



Legislation Details (With Text)

File #: PUB17-030 **Version:** 1 **Name:**

Type: Public Utilities Board

File created: 1/13/2017 **In control:** Public Utilities Board

On agenda: 2/13/2017 **Final action:**

Title: Consider recommending approval of a contract for the acquisition of (1) trommel, (1) sorting station, (1) mobile horizontal high speed grinder and (1) mobile slow speed shredder for use in landfill mining operations by the City of Denton Solid Waste Department; and providing an effective date (File 6212-awarded to multiple vendors in the amount not to exceed \$1,905,610).

Sponsors:

Indexes:

Code sections:

Attachments: 1. Exhibit 1 Sorting Station Pricing Sheet.pdf, 2. Exhibit 2 Trommel Pricing Sheet.pdf, 3. Exhibit 3 Shredder Pricing Sheet.pdf, 4. Exhibit 4 Grinder Pricing Sheet.pdf

Date	Ver.	Action By	Action	Result
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Agenda Information Sheet

DEPARTMENT: Fleet Services

CM/ ACM: Howard Martin

Date: January 23, 2017

SUBJECT

Consider recommending approval of a contract for the acquisition of (1) trommel, (1) sorting station, (1) mobile horizontal high speed grinder and (1) mobile slow speed shredder for use in landfill mining operations by the City of Denton Solid Waste Department; and providing an effective date (File 6212-awarded to multiple vendors in the amount not to exceed \$1,905,610).

BACKGROUND

The City of Denton Solid Waste & Recycling Department will begin mining an old landfill cell during the spring of 2017. The purchase of the sorting station, trommel, mobile slow-speed shredder and a mobile high speed grinder will enable staff to process commodities that will be recovered during the upcoming landfill mining operation. This equipment will assist in the recovery of different commodities including, wood, cardboard, metal, plastics, various bulky items, mattresses, yard trimmings, commercial and demolition (C&D) materials and various materials recovered from the operations. These pieces of equipment will be utilized in both daily landfill mining and building materials recovery (BMR) materials processing operations.

The trommel will be used to separate the dirt from the municipal solid waste that is excavated during the upcoming landfill mining operation. Once the material is processed through the trommel it will be conveyed onto the sorting station where staff will separate the recyclables into different roll off containers located below. In 2016 staff received a \$200,000 grant from North Central Texas Council of Governments (NCTCOG), to

provide partial funding to purchase a mobile slow-speed shredder and a mobile high speed grinder which will enable the Solid Waste & Recycling Department to achieve greater efficiencies and materials reduction in processing mattresses, various bulky items, yard trimmings and C&D materials. The trommel, sorting station, shredder and grinder are important pieces of processing equipment that will be utilized in both daily landfill mining and BMR operations to process and recover resources to meet state and local recycling and waste diversion goals. The shredder will separate recyclable materials in mattresses and various bulky items to facilitate their recovery. These materials include interior metal springs, cotton fibers and wood. The metal will be recycled through the local commodity market, cotton fibers will be used for bio-reactor feedstock, and the wood will be further processed with the high speed grinder to a 4" minus material to be used for compost or fuel feedstock. The high speed grinder will process yard trimmings and various C&D material that are collected during the BMR and mining operations. The processed material will be used in various applications such as erosion control materials, mulch product production for retail and wholesale marketing and feedstock for the composting operation.

The City of Denton Solid Waste & Recycling Department will fund the non-grant funded portion of the costs to purchase and deliver the shredder and Grinder using Solid Waste & Recycling bonds.

The request for proposals for these items was opened on September 12, 2016 with response due by October 4, 2016. Responses were received from 9 vendors and best and final offers were requested from 5 vendors. The pricing sheets for the various pieces of equipment are attached as exhibits 1-4.

RECOMMENDATION

Award the purchase of a sorting table to Powerscreen Texas, Inc. in the amount of \$193,000. Award the purchase of a trommel and slow speed shredder to McCourt & Sons Equipment, Inc. in the amount of \$976,710. Award the purchase of a high speed grinder to Rotochopper Inc. in the amount of \$735,900.

ESTIMATED SCHEDULE OF PROJECT

The purchase and delivery the equipment will occur within 90 days of purchase order issuance.

PRIOR ACTION/REVIEW (Council, Boards, Commissions)

The equipment was approved in the Fiscal Year 2016-2017 Solid Waste CIP budget.

FISCAL INFORMATION

The equipment will be funded from various Solid Waste accounts using Solid Waste and Recycling revenue bonds.

BID INFORMATION

Proposals were accepted from 9 vendors. The equipment was open for proposals from September 12, 2016 to October 4, 2016.

STRATEGIC PLAN RELATIONSHIP

The City of Denton's Strategic Plan is an action-oriented road map that will help the City achieve its vision. The foundation for the plan is the five long-term Key Focus Areas (KFA): Organizational Excellence; Public Infrastructure; Economic Development; Safe, Livable, and Family-Friendly Community; and Sustainability and Environmental Stewardship. While individual items may support multiple KFAs, this specific City Council agenda item contributes most directly to the following KFA and goal:

Related Key Focus Area: **Public Infrastructure**

Related Goal: **2.3 Promote superior utility services and facilities**

EXHIBITS

Exhibit 1: Sorting Station Pricing Sheet

Exhibit 2: Trommel Pricing Sheet

Exhibit 3: Slow Speed Shredder Pricing Sheet

Exhibit 4: High Speed Grinder Pricing Sheet

Respectfully submitted:

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