



Legislation Text

File #: ID 17-131, **Version:** 1

AGENDA INFORMATION SHEET

DEPARTMENT: Materials Management

ACM: Bryan Langley

AGENDA DATE: February 21, 2017

SUBJECT

Consider adoption of an ordinance of the City of Denton authorizing the City Manager or his designee to execute 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). The Public Utilities Board recommends approval (5-0).

FILE INFORMATION

The City of Denton Solid Waste and Recycling Department began mining an old landfill cell during the spring of 2016. The purchase of the sorting station, trommel, mobile slow-speed shredder and a mobile horizontal high speed grinder will enable staff to process commodities that will be recovered during the approved mining operations, along with building materials recovery (BMR) processing operations to meet State and local recycling and waste diversion goals. 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. This operation will be conducted in phases with additional equipment scheduled for acquisition in the next five (5) years. An equipment schedule showing the breakdown of equipment is included as Exhibit 1.

The trommel will be used to separate the dirt from the municipal solid waste that will be excavated during the 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 placed directly below the equipment. 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 and Recycling Department to achieve greater efficiencies and materials reduction in processing mattresses, various bulky items, yard trimmings and C&D materials. 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 and Recycling Department will fund the non-grant funded portion of the costs to purchase and deliver the shredder and grinder using Solid Waste & Recycling bond funding.

Request for Proposals were sent to 48 prospective suppliers. In addition, specifications were placed on the Purchasing website for prospective suppliers to download. Nine proposals were received but some vendors did not provide pricing for all four items. Proposals were evaluated based upon published criteria, including price, delivery, compliance with specifications, and probable performance by the supplier. Each of the four pieces of equipment was evaluated and scored separately by a committee comprised of Solid Waste, Fleet and Purchasing staff. The committee recommends award of the equipment to the vendors shown on Exhibit 2 as providing the best value for the City. Exhibit 1 does not include vendors that did not provide pricing for that specific item. The lower priced vendors shown for the Item 2-Trommel did not meet specifications that are required by the existing landfill mining permit. For Item 3-Slow Speed Shredder and Item 4-Grinder, the low bid machines did not meet the minimum horsepower specifications required by the mining operation.

RECOMMENDATION

Award the purchase of mining equipment to multiple vendors as shown on Exhibit 1 in the amount not-to-exceed \$1,905,610.

PRINCIPAL PLACE OF BUSINESS

Powerscreen Texas, Inc.
La Grange, TX

McCourt & Sons Equipment, Inc.
La Grange, TX

Rotochopper Inc.
St Martin, MN

ESTIMATED SCHEDULE OF PROJECT

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

FISCAL INFORMATION

The equipment will be funded from various Solid Waste Capital Fund accounts. The City of Denton will be reimbursed for \$200,000 of the cost of the shredder and grinder through a reimbursement grant from the North Central Texas Council of Governments. The account numbers and requisitions for each item are listed on Exhibit 3.

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: Sustainable & Environmental Stewardship
Related Goal: 5.6 Promote sustainable materials resource management

EXHIBITS

Exhibit 1: Landfill Mining Equipment Schedule

Exhibit 2: Evaluation and Ranking Sheet

Exhibit 3: Equipment Funding List

Exhibit 4: PUB Minutes

Exhibit 5: Ordinance

Respectfully submitted:
Ethan Cox, 349-7421
Customer Service Manager

For information concerning this acquisition, contact: Terry Kader at 349-8729.