

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: January 22, 2018
	Agenda Item No. 35 Roll Call No. <u>18-0141</u> Communication No. <u>18-033</u> Submitted by: Carl Metzger, Deputy City Manager

AGENDA HEADING:

Approving the purchase of 11 replacement truck chassis with specified components including emergency snow and ice control equipment for use by the Street Maintenance and Sewers Divisions of the Department of Public Works and the Parks and Recreation Department.

SYNOPSIS:

Recommend approval of the purchase of seven (7) single-axle and four (4) tandem-axle purpose built Cab Over Engine (COE) truck chassis with specified snow and ice control equipment installed as follows:

- 11 Cab Over Engine chassis (COE) from Housby Mack, Inc. 4747 NE 14th Street, Des Moines, IA 50313, (Kelly Housby, President), through the Houston Galveston Area Council (HGACBuy) contract, in the amount of \$1,390,385.
- Snow and ice control equipment for nine (9) of the above referenced truck chassis in varying configurations including different types of snow plows, dump boxes, anti-icing systems, and material spreaders with electronic and hydraulic control systems from Henderson Products, 916 South 10th Street, Manchester, Iowa 52057, (John Sievert, President), through the National Joint Powers Alliance (NJPA) cooperative purchasing contract, in the amount of \$668,449.70.

Two (2) of the chassis will have specialized asphalt equipment of a micro-surfacing paver and bituminous distributor applicator installed from recommended awards to low compliant bids under separate action on this Council meeting agenda.

The 11 units being replaced and one (1) additional unit assigned to the Park and Recreation Department, not proposed for replacement (fleet reduction), will be remarketed through the City’s auction contractor and have an estimated residual value of \$167,000.

Though the purchase price of a COE truck chassis is higher than a traditional cab vehicle, the COE trucks deliver a superior operational and ownership experience. COE trucks will burn less fuel, have a higher resale value, are safer to operate, safer to enter and exit, and will let Public Works plow city streets faster, with fewer accidents and with fewer injuries to workers. These benefits are expected to yield a savings of \$376,000 over the ten-year life of the vehicles over a traditional cab vehicle.

FISCAL IMPACT:

Amount: \$2,058,834.70

Funding Source: \$1,486,209.70 Equipment Replacement Fund IS201 CM024021, and \$572,625 PW247410 Sewers Maintenance Clearing

ADDITIONAL INFORMATION:

- The purchase of COE truck chassis is an integral part of a recent program change for Street Maintenance and Sewers Divisions of the Public Works Department and the Park and Recreation Department. COE chassis configurations have been used by the Solid Waste Division of the Department of Public Works for collection of municipal solid waste, recycling, and yard waste since 2001. The COE truck chassis configuration provides increased maneuverability, visibility, accessibility, and serviceability compared to the traditional conventional cab chassis. Use of heavy duty diesel engines compared to typical medium duty engines for warm weather construction use and cold weather emergency snow and ice control operations reduces fuel consumption by 14%, results in reduced engine repair costs, provides a longer life cycle and results in a lower life cycle costs when compared to a typical conventional chassis with a medium duty engine used in municipal operations.
- The replacement units recommended for use by the Public Works Department and Park and Recreation Department are identical in component specifications to the previously awarded 17 truck chassis for refuse collection; therefore, fleet consistency will be enhanced. These units will have a typical left-hand drive as opposed to the preferred right-hand drive for refuse collection.
- The City of Des Moines is a member of the HGACBuy, a national government-to-government cooperative purchasing program. HGACBuy establishes purchasing contracts nationwide on behalf of local governments, special districts and private non-profits providing a government service. The HGACBuy procurement process includes research, reparation of specifications, pre-bid and pre-proposal conferences, legal notice posting and advertising, bid/proposal review and contract execution.
- The HGAC contract has been utilized in previous awards for emergency fire and rescue equipment, refuse truck chassis and collection equipment, and street sweepers. The contract quotes for tandem-axle COE chassis utilizing HGAC includes the current 2018 model year and represents an increase in cost of \$396 or (.003%) over the previous model year and resulted in a current lower cost than competitive quotes obtained in March 2017 as shown below:

HGAC BUY Contract Comparisons		
Purpose Built Tandem-Axle Refuse Application Truck Chassis- March 20, 2017		
Manufacturer	Type of Equipment	HGACBuy Contract Cost/Unit
Mack	Purpose built refuse truck chassis	\$133,164.00 (least cost quote)
Peterbilt	Purpose built refuse truck chassis	\$133,837.00
Autocar	Purpose built refuse truck chassis	\$136,714.73
Purpose built chassis for emergency snow and ice control and specialty equipment, January 8, 2017		
Mack	Tandem-Axle Chassis	\$133,560.00
Mack	Single-Axle Chassis	\$122,135.00

- The City participates in the National Joint Powers Alliance (NJPA) cooperative contract purchasing program and has utilized NJPA for equipment purchases previously. Henderson Products is a provider of emergency snow and ice control operations equipment and can provide the necessary equipment, control systems, and installation under NJPA contract terms. Henderson Products has consistently responded to previous competitive bids and was the single bidder with multiple responses to the last competitive bid solicitation. Henderson Products has specifically

engineered an underbody scraper plow and rear mounted wing plow systems that can be installed on COE chassis. Therefore, the recommended award is to Henderson Products for emergency snow and ice control operations equipment and installation.

PREVIOUS COUNCIL ACTION(S):

Date: June 26, 2017

Roll Call Number: [17-1087](#)

Action: Purchases from the following:

- (C) [Trans](#)-Iowa Equipment Inc. (Eric Thorson, General Manager) for six (6) replacement street sweeper trucks per Houston-Galveston Area Council Contract for use by Fleet Maintenance, \$1,498,862.34. ([Council Communication No. 17-503](#)) Moved by Hensley to adopt. Motion Carried 6-1. Absent: Cownie.

Date: March 20, 2017

Roll Call Number: [17-0500](#)

Action: Bids from the following:

- (D) [Housby](#) Mack Inc. (Kelly Housby, President) for seventeen (17) replacement truck chassis per Houston-Galveston Area Council Contract, \$2,264,388 and McNeilus Truck & Manufacturing (Brad Nelson, President) for seventeen (17) replacement refuse bodies per HGAC Contract, \$1,853,141 for use by the Public Works Department. ([Council Communication No. 17-290](#)) Moved by Hensley to adopt. Motion Carried 7-0.

Date: March 6, 2017

Roll Call Number: [17-0391](#)

Action: Bids from the following:

- (C) [Foster](#) Coach Sales Inc. (Steve Foster, President) for two replacement ambulances per Houston Galveston Area Council (HGAC) Contract for use by the Fire Department, \$580,971. ([Council Communication No. 17-254](#)) Moved by Hensley to adopt. Motion Carried 6-1. Absent: Gatto.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Approval of purchase and installation of aerial man lift and log loader for Forestry operations within the next 60 days.

For more information on this and other agenda items, please call the City Clerk's Office at 515-283-4209 or visit the Clerk's Office on the first floor of City Administration Building, 400 E. Court Avenue Ste.116. Council agendas are available to the public at the City Clerk's Office on Thursday afternoon preceding Monday's Council meeting. Citizens can also request to receive meeting notices and agendas by email by calling the Clerk's Office or sending their request via email to cityclerk@dmgov.org.