

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date:	March 19, 2018
	Agenda Item No.	50
	Roll Call No.	<u>18-0485</u>
	Communication No.	<u>18-152</u>
	Submitted by:	Carl Metzger, Deputy City Manager

AGENDA HEADING:

Accept and approve the purchase of 11 replacement truck chassis with specified components including 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:

Staff is now requesting City Council approval for:

1. The purchase of seven (7) single-axle and four (4) tandem-axle purpose built Cab over Engine (COE) chassis in the amount of \$1,390,385 utilizing the Houston Galveston Area Council (HGACBuy) procurement process and assignment to Housby Mack, Inc. 4747 NE 14th Street, Des Moines, IA 50313 (Kelly Housby, President).
2. The purchase of snow and ice equipment for nine (9) of the above referenced truck chassis in the amount of \$668,449.70, in varying configurations including different types of snow plows, dump boxes, and anti-icing systems, and material spreaders with electronic and hydraulic control systems, utilizing the National Joint Powers Alliance (NJPA) cooperative contract purchasing program contract terms, to Henderson Products, 916 South 10th Street, Manchester, IA 52057 (John Sievert, President).
3. Specialized asphalt equipment comprised of a micro-surfacing paver and a bituminous distributor applicator will be installed on two (2) of the chassis. Council acted to purchase the specialized asphalt equipment, approving the purchase on January 22, 2018.

Ten units including chassis with either snow and ice equipment or specialized asphalt equipment will be assigned to Public Works; one (1) unit chassis with snow and ice equipment will be assigned to the Parks and Recreation Department.

Though the purchase price of a COE truck chassis is higher than a traditional cab vehicle, the COE trucks should deliver a notable 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 residential streets faster, with fewer accidents and fewer injuries to workers anticipated.

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 additional COE chassis for use outside of solid waste collection is an integral part of a program redesign for Street Maintenance and Sewers Divisions of the Public Works Department and the Parks and Recreation Department. The COE truck chassis configuration provides increased maneuverability, visibility, accessibility, and serviceability compared to traditional conventional cab chassis, especially when in use for residential neighborhood snow removal operations.
- Replacement COE vehicle are powered by heavy duty diesel engines for warm weather construction use and cold weather emergency snow and ice control operations, achieving reduced fuel consumption, compared to a typical medium duty engine, resulting in reduced engine repair costs, and provides a longer life cycle and results in lower life cycle costs when compared to a conventional cab chassis with a medium duty engine used in municipal operations.
- COE chassis configurations have been used by the Solid Waste Division of the Public Works Department for collection of municipal solid waste, recycling, and yard waste since 2001. The replacement units recommended for use by the Public Works Department and Parks 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.
- Public Works is currently assigned 87 conventional cab trucks for emergency snow and ice control operations and warm weather operations. The program redesign described above would (over a multi-year period) complete the conversion of 64 units to COE from conventional cab. Certain segments of the public works fleet may not fully benefit from COE chassis configurations due to specialized use, but as replacements are scheduled these should be analyzed on a case by case basis for potential COE replacement.
- 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, preparation 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-March 19, 2018		
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 Division operations within the next 60 days.

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