


COUNCIL COMMUNICATION

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|  | Number: | 21-150 | Meeting: | April 5, 2021 |
| | Agenda Item: | 25A | Roll Call: | 21-0553 |
| | Submitted by: | Nickolas Schaul, Finance Director | | |

AGENDA HEADING:

Approving the purchase of two (2) replacement truck chassis and specialized equipment bodies for use by the Department of Public Works.

SYNOPSIS:

Recommend approval of the purchase of one (1) heavy duty conventional cab truck chassis with specialized material/debris hydraulic grapple loader and one (1) medium duty conventional cab truck chassis with specialized Forestry dump box utilizing various Sourcewell purchasing contracts as follows:

- Two (2) conventional cab truck chassis from Housby Mack Inc.(4747 NE 14th Street, Des Moines, IA 50313, Kelly Housby, CEO), in the amount of \$170,050, utilizing Sourcewell purchasing contract number 060920-MAK.
- One (1) material handling grapple loader from Mid-Iowa Solid Waste (5105 NW Beaver Drive, Johnston, IA 5013, Jeff Firestone, Owner), in the amount of \$110,063.05, utilizing Sourcewell contract # 041217-PAF.
- One (1) forestry dump box body from Henderson Products Inc. (916 South 10th Street, Manchester, IA 52057, John Sievert, President), in the amount of \$34,938 utilizing Sourcewell contract # 080818-HPI.

FISCAL IMPACT:

Amount: \$315,051.05

Funding Source: \$255,051.05 from 2021-2022 Operating Budget, Equipment Replacement Fund page 83. \$60,000 from IDOT VW Grant Settlement funding award

ADDITIONAL INFORMATION:

- Two (2) existing truck chassis with existing specialized equipment bodies that exceed replacement criteria were approved for replacement by the Fleet Oversight Committee (FOC) in the Finance Department's 5-year replacement plan. The identified units are also eligible for previously awarded Iowa Department of Transportation (IDOT), Volkswagen (VW) Settlement Grant of \$30,000 per chassis.

- Staff investigated and researched the availability of an all-electric truck chassis for both applications. Currently, there is not an all-electric chassis suitable for the operation of these units. It appears the first availability to obtain pricing and order a full production model of heavy-duty truck chassis meeting the needs of the City will be during the first quarter of calendar year 2022. As future replacements or additions are considered, heavy duty electric trucks will be evaluated. The capacity for charging infrastructure for heavy duty trucks has been designed into Municipal Services Center Phase 2 plans.
- The recommended purpose-built conventional cab truck chassis are powered by clean burning diesel engines, which result increased fuel efficiency and reduced emission compared to the existing units in the fleet. The diesel engines can utilize up to 20% renewable biodiesel fuel. The recommended truck chassis engines are also equipped with engine control modules (ECM) that constantly capture and report idle time along with over 100 other engine operating parameters. In addition to measuring idle time, the system allows programming a maximum idle time. If the maximum time is reached the engine shuts off to reduce fuel consumption. Initially, trucks will be programmed for a maximum idle time of 10 minutes.
- The specialized material/debris hydraulic grapple loader body equipment will be installed on the heavy duty conventional cab truck chassis for use in the Solid Waste, Property Cleanup, and Forestry Divisions of the Department of Public Works for collection of bulk items, used appliances, property cleanup debris, and natural disaster debris cleanup.
- The customized forestry dump box body will be installed on the medium duty conventional cab truck chassis for use in scheduled and emergency forestry operations.

PREVIOUS COUNCIL ACTION(S):

Date: January 11, 2021

Roll Call Number: [21-0031](#)

Action: Purchases from the following:

- (D) [Housby](#) Mack Inc. (Kelly Housby, President) for three truck chassis, McNeilus Truck and Manufacturing (Brad Nelson, President) for two rear loading refuse collection equipment bodies, Gradall Industries Inc. (Mike Hoverman, President) for one sewer cleaning and maintenance equipment body all per Sourcewell Purchasing Contracts for use by the Public Works Department, \$754,349.32. ([Council Communication No. 21- 008](#)) Moved by Gatto to adopt. Motion Carried 7-0.

Date: November 9, 2020

Roll Call Number: [20-1787](#)

Action: [Agreement](#) with Iowa Department of Transportation for Iowa's Volkswagen Settlement Environmental Mitigation Trust Program for reimbursement funds for City fleet vehicles and equipment replacements. ([Council Communication No. 20-472](#)) Moved by Boesen to adopt. Motion Carried 7-0.

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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