

 <p style="text-align: center;">Council Communication Office of the City Manager</p>	Date: June 13, 2011
	Agenda Item No. 43H Roll Call No. <u>11-1015</u> Communication No. <u>11-351</u> Submitted by: Allen McKinley, Deputy City Manager

AGENDA HEADING:

Approving the purchase of three replacement purpose-built, three-wheeled, mechanical broom street sweepers for use by the Street Cleaning Division of the Public Works Department.

SYNOPSIS:

Recommend approval to purchase three purpose-built, three-wheeled, mechanical street sweepers. Contract from Trans-Iowa Equipment Inc., Eric Thorson, General Manager, 4607 SE Rio Court, Ankeny, IA 50021, utilizing the National Joint Powers Alliance (NJPA) established purchase agreement for \$488,450. NJPA is a service and purchasing cooperative offering products, equipment and services to government and non-profit agencies.

The street sweeping units will be used in the Public Works Department for routine scheduled street cleaning and in the Park and Recreation Department for facility street and parking lot cleaning. This purchase will replace three current units that exceed replacement criteria, with increasing maintenance and repair costs.

FISCAL IMPACT:

Amount: \$488,450

Funding Source: FY2011-12 Operating Budget, Storm Water Utility Operations Fund, Street Cleaning, EN301, PWK077009, page 270.

ADDITIONAL INFORMATION:

Three existing street sweepers exceeding established replacement criteria were identified for replacement with current mechanical sweeping technology. Fleet Services previously conducted simultaneous performance testing in a controlled functionality test and determined the Elgin Pelican NP best performs the street cleaning task necessary in Public Works and the Park and Recreation Department. Elgin, a subsidiary of Federal Signal Corporation markets their Elgin brand products exclusively through established dealers in targeted marketing areas, making competitive bids for like products unavailable from multiple dealers. This replacement equipment, with all necessary options, is available off the NJPA purchasing contract from Trans-Iowa Equipment. The units will be assigned for use on both shifts of Public Works Street Cleaning Division operations and will be available to clean streets and parking lots within the Parks system. Life cycle expectancy of the new units is 8,500 hours of use, or approximately 6 years. The three units being replaced will be remarketed through auction.

The units being purchased have diesel engines with minimum horsepower and torque necessary to operate units and sweeper functions. They meet the 2007 clean air emissions standards for off-road heavy equipment: requirement of 60 percent reduction in Nitrogen Oxides (NOx) and a 65 percent reduction in Particulate Matter (PM), or soot, compared to the units that are being replaced. These units can utilize up to 20 percent Bio-Diesel (B20) fuel to further reduce emissions that impact the environment. Purpose built (non-truck, chassis-mounted) street sweepers are self-propelled by hydraulically-driven wheel motors and therefore, no electric or diesel electric hybrid engines are available.

PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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