Legislation Details (With Text)

File #:	23-0111	**Version:**	1	**Name:**	2/21/23 - Resolution to Approve Purchase of Two Bucket Trucks from Terex Utilities Inc. and Appropriate Funds
Type:	Resolution			**Status:**	Passed
File created:	2/21/2023			**In control:**	City Council
On agenda:	2/21/2023			**Final action:**	2/21/2023
Enactment date:	2/21/2023			**Enactment #:**	R-23-049

Title: Resolution to Authorize the Purchase of One All Electric Bucket Truck and One Electric Hybrid Bucket Truck from Terex Utilities Inc. and to Appropriate $228,300.00 in Funding from the Major Streets Fund Balance (Sourcewell - $871,274.00) (8 Votes Required)

Sponsors:

Indexes:

Code sections:

Attachments: 1. Terex Utilities LT40 Elect Hybrid Bucket Truck Quote - Sourcewell.pdf, 2. Terex Utilities HR55 EV Bucket Truck Quote - Sourcewell.pdf, 3. Terex HR55 Electric Brochure.pdf, 4. Terex Contract 110421.pdf

Date	Ver.	Action By	Action	Result
2/21/2023	1	City Council	Approved	Pass

Resolution to Authorize the Purchase of One All Electric Bucket Truck and One Electric Hybrid Bucket Truck from Terex Utilities Inc. and to Appropriate $228,300.00 in Funding from the Major Streets Fund Balance (Sourcewell - $871,274.00) **(8 Votes Required)**

The attached resolution authorizes the purchase of one new Terex Optima HR55 all electric bucket truck at $612,931.00 and one new Terex Hi-Ranger LT40 electric hybrid bucket truck at $258,343.00 for a total cost of $871,274.00 for use by the Public Services Area, Engineering Unit, Signs and Signals operations.

The proposed Terex Optima HR55 will replace a 2009 Terex aerial device on an International chassis (#4616) with over 7,815 hours of use and which is beyond its useful life. The proposed Terex Hi-Ranger LT40 will replace a 2011 Terex aerial device on a Ford F-750 chassis (#4617) with over 13,856 hours of use and which is beyond its useful life.

The all-electric Terex Optima HR55 is a battery powered 55’ Terex boom system mounted on an all-electric International eMV607 chassis. The chassis and boom system are operated from two separate battery systems that operate independently of one another. The battery pack for the chassis is designed for 135 miles of driving range. The battery pack for the boom system is designed for 5 hours of aerial movement. Aerial movement only draws on the battery when the boom is actually moving, not when standing still even in the raised position. This truck will require the purchase and installation of a Level 2 electric charger for the boom system and either a second Level 2 electric charger or a DCFC fast charger for the chassis. The needed charging infrastructure at the Wheeler Service Center is not part of this resolution.

The electric hybrid Terex Hi-Ranger LT40 is a battery powered 40’ Terex boom system mounted on a

Ford F-550 gasoline powered chassis. Terex does not currently offer an electric chassis for this smaller sized truck. The smaller chassis is important to allow Signs and Signals staff to operate in alleys and tight spaces. The battery pack for the boom system handles all the load for aerial movement. Aerial movement only draws on the battery when the boom is actually moving, not when standing still even in the raised position. This truck will require the purchase and installation of a Level 2 electric charger at the Wheeler Service Center for the boom system which is not part of this resolution.

The chassis for the Terex Hi-Ranger LT40 is subject to a possible chassis surcharge by the chassis manufacturer and a contingency of $10,000.00 is requested by staff if it occurs. The chassis for the Terex Optima HR55 is not subject to surcharge.

The proposed purchase enhances the City's commitment to carbon reduction. The purchase is consistent with many of the City's established sustainability efforts including the Green Fleets Policy and the A^2 ZERO Plan.

Terex Utilities Inc. was awarded contract #110421-TER by the Sourcewell cooperative purchasing program for Public Utility Equipment & Services.

Terex Utilities Inc. complies with the requirements of the City's conflict of interest and non-discrimination ordinances.

Budget/Fiscal Impact: Adequate funding for the purchase of these vehicles is available in the FY23 Fleet Services Fund Operations and Maintenance budget and the FY23 Major Streets Fund Operations and Maintenance budget upon approval of the appropriation request from the Major Streets Fund Balance.

Each bucket truck will be placed on 12-year replacement schedule which is consistent with our other pieces of like equipment. Major Streets Fund will have an annual replacement cost of approximately $65,542.00 for the Terex HR55 and $27,625.00 for the Terex LT40 for a total annual replacement cost of $93,167.00.

Green Fleet Policy: At their December 14, 2022 meeting, the Green Fleet Committee approved the need for the purchase of this replacement equipment, that the proposed equipment is consistent with the Green Fleet Policy and recommended the approval of this resolution. The Sustainability and Innovations Manager has concurred with the actions of the Committee.
Prepared by: Matthew J. Kulhanek, Fleet and Facility Unit Manager
Reviewed by: John Fournier, Deputy City Administrator
Approved by: Milton Dohoney Jr., City Administrator
Whereas, The Fleet & Facilities Unit needs to purchase replacement equipment for the City's fleet;

Whereas, Competitive bids were received by the Sourcewell cooperative purchasing program and Terex Utilities Inc. was awarded contract #110421-TER for Public Utility Equipment & Services;

Whereas, Terex Utilities Inc. complies with the requirements of the City's Conflict of Interest and Non-Discrimination Ordinances;

Whereas, Staff has requested an additional authorization for Terex Utilities Inc. in the amount of

$10,000.00 to cover any change orders for chassis surcharge; and

Whereas, Adequate funds for the purchase of this equipment is available in the approved FY2023 Fleet Services Fund Operations and Maintenance budget and the FY2023 Major Streets Fund Operations and Maintenance budget upon approval of the appropriation request from the Major Streets Fund Balance;

RESOLVED, That City Council approve the issuance of a purchase order to Terex Utilities Inc. for the purchase of one new Terex Optima HR55 all electric bucket truck at $612,931.00 and one new Terex Hi-Ranger LT40 electric hybrid bucket truck at $258,343.00 for a total cost of $871,274.00 and authorize an additional $10,000.00 contingency for any potential chassis surcharge;

RESOLVED, That funding in the amount of $228,300.00 be appropriated from the Major Streets Fund balance to the FY2023 Major Streets Fund Operations and Maintenance budget; thereby, increasing both the revenue and expenditure budgets;

RESOLVED, That funds for the purchase of these vehicles in the amount of $652,974.00, which includes contingency, comes from the FY2023 Fleet Services Fund Operations and Maintenance budget and in the amount of $228,300.00 comes from the FY2023 Major Streets Fund Operations and Maintenance budget with funds to be available without regard to fiscal year;

RESOLVED, That the vehicles being replaced (nos. 4616, 4617) be sold at the next City auction after the asset is removed from service; and

RESOLVED, That the City Administrator be authorized to take the necessary actions to implement this resolution including the approval and execution of change orders within the approved contingency amount.

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