

RESOLUTION NO. R-25-23

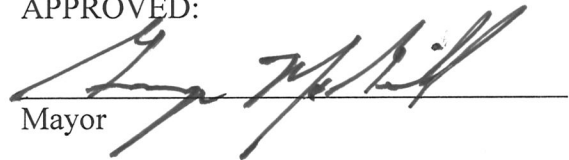
**RESOLUTION ACCEPTING BIDS FOR THE PURCHASE OF VEHICLES AND
EQUIPMENT FOR THE SOLID WASTE SERVICES DEPARTMENT**

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE CITY OF FORT SMITH,
ARKANSAS, THAT:

The bids, as indicated by enclosures for the purchase of various vehicles and equipment for the
Solid Waste Services Department, are accepted.

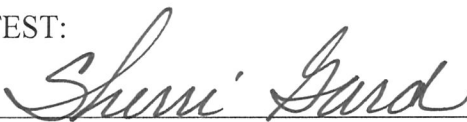
This Resolution adopted this 7th day of February, 2023.

APPROVED:



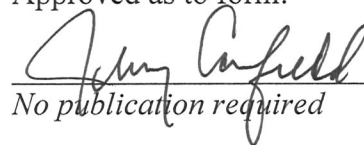
Mayor

ATTEST:



City Clerk

Approved as to form:



No publication required



Solid Waste Services
 5900 Commerce Road
 P.O. Box 1908
 Fort Smith, AR 72916

MEMORANDUM

To: Carl Geffken, City Administrator

From: Nicole Riley, Director Solid Waste Services

cc: Jeff Dingman, Deputy City Administrator

Date: January 23, 2023

Re: 2023 Equipment Purchase Request

The Solid Waste Services Department is requesting to begin the acquisition of the equipment presented in the 10-year CIP plan, and budgeted for in the 2023 Adopted Budget. With the continued challenges to secure equipment due to supply chain issues, procurement is becoming increasingly more difficult and expensive; therefore, the Department is opting to utilize cooperative purchasing agreements as authorized per Ordinance 93-05 to save on both delivery time and purchase price. This process will enable the City to take advantage of other negotiated contracts that the State of Arkansas currently participates in. The two contracts that will be utilized for the purchase of these pieces include HGACBuy and Sourcewell; national municipal contracting agencies offering national contract purchasing solutions by facilitating and awarding national competitively bid contracts. The budgeted and cooperative purchasing bid amounts for each piece of equipment is summarized in the table below and will be funded from fleet replacement funds in the Department’s Landfill Construction & Sinking Fund Budget 1118-6065.

Program	Equipment	Budgeted Amount	Cooperative Purchasing Bid Amount	Contract Number
6302	14-Yard Rear Loader	\$400,000.00	\$384,737.60	Sourcewell #091219-LEG
6302	28 CY Side Loader	\$485,000.00	\$478,079.00	Sourcewell #091219-LEG
6302	28 CY Side Loader	\$485,000.00	\$478,079.00	Sourcewell #091219-LEG
6303	25 CY Rear Loader	\$469,000.00	\$401,828.40	Sourcewell #091219-LEG
6305	Aljon Compactor	\$1,350,000.00	\$1,253,337.00	HGACBuy #SM10-20
6305	Deere 700L Crawler	\$200,000.00	\$285,364.03	Sourcewell #032119-JDC
6305	Vermeer HG6000 Grinder	\$150,000.00	\$100,788.12	Sourcewell #050119-VRM
	TOTALS	\$3,539,000	\$3,382,213.15	

The Residential Collections Division (6302) includes a replacement of one (1) 13-cubic yard Rear Loader vehicle and two (2) 28-cubic yard Automated Side Loader vehicles. The requested 14-yard rear loader will replace Asset #51, a 2005 Crain Carrier with 204,242 miles; this asset will be disposed of

with the replacement. The requested two 28-CY side loaders will replace Asset #128, a 2010 Mack with 242,100 miles, and Asset #141, a 2011 Mack with 126,256 miles; both assets will be disposed of due to the high wear and metal fatigue on all plates, sweeps and panels, and require hydraulic cylinder repairs and/or replacements. These requested vehicles will be utilized to support the existing automated and semi-automated refuse collection programs. Our maintenance challenge is to keep the residential collections fleet in good working order by paying special attention to brakes, tires, axle alignment, air and fluid filtration, cooling system, batteries, transmission linkages, and all chassis and body fasteners. Brakes and tires rate particular attention because of the stop-and-go nature of refuse collection, which exacerbates wear on those components. It should be noted that these three new vehicles would replace diesel-fueled equipment with CNG.

The Commercial Collections Division (6303) is requesting the replacement of one Rear Loader. Asset #109 is a 2016 32-cubic yard Rear Loader Mack with 77,019 miles will be replaced with the requested CNG fueled 25-CY Rear Loader. The mileage and lifetime repair costs of Asset #109 have begun to and will continue to rise if left on the main line. Upcoming, costly repairs could include walking beam-brushing replacement, slides-ins-brushing equipment for packer system, body rust and wear, steering and suspension issues, and weakening hydraulics. Asset #109 will remain in the SWS fleet as a back-up to be utilized when a truck on the main line is inoperable; at this time there are not sufficient back-up vehicles and keeping this as an additional asset in SWS will ensure continued operations when a truck is being repaired.

The Landfill Operations Division (6305) is requesting a compost grinder, a compactor, and a dozer. All three requested pieces of equipment will add net assets to the Division in order to maintain an adequate backup system. As required by regulations, it is mandatory that we have access to backup within a 24-hour period of the primary equipment going down, and as these are very specialized pieces of equipment, we have been unable to secure rentals in a timely manner.

Asset #4030, a 2012 Vermeer HG6000 compost grinder with 3500 hours has just exceeded its life expectancy of 10 years and will be replaced with a 2023 Vermeer HG6000 Grinder. It has had an engine, several belts, grinder anvils, and grinder drum bearings replaced. Due to the poor condition of the grinder, this year was the first time no compost could be processed in time for spring or summer usage, which negatively affected the residents of Fort Smith. The requested grinder will be utilized for producing compost along with material to be used as alternate daily cover for the landfill.

Asset #200067, a 2018 Caterpillar D4 bulldozer with 4,000 hours, has reached the end of its useful life and has already required replacement of the final drive. The costly replacement of the undercarriage will be next. The requested John Deere 700L Crawler dozer will be utilized in the daily operations of the landfill for slope maintenance, constructing roads, and cleanup work around the working face.

Asset # 200331, a 2016 Caterpillar 836K compactor has exceeded the 5-year life expectancy for it to function as a primary piece of equipment in daily operations. The compactor has logged 10,500 hours and has required the replacement of the transmission, turbo, rear differential, and the resonator on the exhaust. The requested 2003 Aljon ADV600 compactor will be employed as primary equipment in daily operations to ensure maximum efficiency is being achieved in conserving airspace, and to extend the life span of the landfill.