

# CITY OF HIGH POINT

## AGENDA ITEM

**Title: Knuckle Boom Truck**

**From:** Terry Houk, Public Services Director  
Robby Stone, Asst. Public Services Director

**Meeting Date:** August 5, 2019

**Public Hearing:** N/A

**Advertising Date /** N/A

**Advertised By:** N/A

**Attachments:** Quote

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**PURPOSE:**

The Environmental Services Division currently has four Knuckle Boom trucks. These trucks are used to collect waste that cannot be placed inside the customers cart and illegal dumped materials such as tires, appliances, and yard waste piles. The current four trucks are being utilized in excess of 40 hours per week to perform the minimal clean up. The addition of one boom truck will assist in meeting the current collection needs while improving performance and neighborhood appearance.

**BACKGROUND:**

The Environmental Services Division is currently using four Knuckle Boom trucks with Petersen grapple buckets and dump bodies. These trucks are used daily for residential bulk waste collection and seasonally for the two home furnishing markets. Additionally, these trucks are used for debris removal following tornadoes, ice storms, hurricanes, and illegal dumping. Due to continued growth and sprawl, Public Services is requesting an additional bulk collection truck. In calendar year 2017 these trucks collected 3,710 tons of material citywide at 15,566 locations. In 2018 these trucks collected 4,263 tons of material citywide at 17,606 locations. In the first six months of 2019 these trucks have collected 2,085 tons of material citywide at 13,335 locations. We have selected a truck that is similar to our current truck configuration and approved by Fleet Management. The selected truck is a 2018 lease program truck costing \$119,000. The current cost for this truck new is around \$155,000. The selected truck is currently available in Kernersville with 9,086 miles and 1,410 hours of service and has the remaining factory warranty. The truck was a lease truck that had to be maintained to the manufacturers specification to avoid penalty.

**BUDGET IMPACT:**

Funds are available in 2019-20 budget

**RECOMMENDATION / ACTION REQUESTED:** The Public Services Department recommends purchasing one 2018 Freightliner M2-106 with a Petersen body, grapple bucket and 24-yard Hardox model 1824 dumping body from Carolina Environmental Systems, Inc. in Kernersville, NC in the total amount of \$119,000.





Carolina Environmental Systems, Inc.

306 Pineview Dr.

Kernersville, NC 27284

PH 800-239-7796

FX 336-869-9979

### SPEC SHEET

STOCK#: UT1964  
YEAR: 2018  
MAKE: FREIGHTLINER  
MODEL: M2-106  
VIN#: 3FVACXFE0JHU3433  
ENGINE: ISL9-330 HP  
MILES: 9,086  
HOURS: 1,410  
ENG. BRAKE: NO  
TRANS: 3500-6 SPD WORLD ALLISON  
FRONT AXLE: 12,000 LB  
REARAXLE: 23,000 LB  
TRI-AXLE: NO  
TIRES: FRONT: 11R22.5 75%  
REAR: 11R22.5 75%  
AM/FM: YES  
CRUISE: YES  
A/C: YES

### BODY

YEAR: 2017  
MAKE: PETERSON  
MODEL: TL3  
CAPACITY: 24 YARD DUMP HARDOX MODEL 1824  
OPTIONS: HEAVY DUTY GRAPPLE, OUT RIGGERS JOYSTICK CONTROLS

PRICE: \$ 124,900.00  
SALE: \$ 119,000.00