



## TOWN OF WARRENTON

Department of Public Works & Utilities

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### MEMORANDUM

**TO:** Brandie Schaeffer, Town Manager

**FROM:** Frank Cassidy, Director Public Works and Utilities

**DATE:** February 14, 2022

**SUBJECT:** Refuse and Recycling Truck

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Please accept this as information on the refuse and recycling truck:

The discussion of a new refuse and recycling truck has been in the background for the better part of the last year. Although mentioned, I believe the details of the process of selection and the type of truck has gotten diffused. The purpose of this memo is to provide a background on the discussion and a focus on the focused truck.

The original discussion was at the Town Council Work Session in December 2020. This discussion involved the examination of two types of trucks: Fully automated and semi-automated:

Fully Automated: a fully automated refuse truck was discussed. This is a larger truck which has the following:

Pros:

- Single operator
- No staff contact with the refuse- use of an extending arm to “grab” the container
- Staff can operate from inside the cab
- Standardizes the container requirements.

Cons:

- Large size- difficult to navigate on some of our smaller streets especially the historic areas
- Only one hopper- no curb side sorting
- Limited container options- does not provide the flexibility in our historic district nor the complex issues in townhouse communities
- No ability for crew to load without the automated arm

Semi-Automated: A semi- automate refuse truck does not use an arm to “grab” the containers; instead, it uses an assisted lift system.

Pros:

- Requires two staff to operated versus our current three
- Allows limited touch points for staff
- Provides a variety of container options- seven options plus the option of no container
- Provides a lift for dumping the containers in the hopper
- Has two separate hoppers- provides the opportunity for curbside sorting
- Has the ability for staff to dump items directly into the hopper
- Is smaller and more maneuverable- better suited for our variety of streets and access points
- Cab is lower providing better entrance and exit from cab for operators

Cons:

- Staff must exit cab to handle containers

At the Council work session Dec. 2020, it was decided the fully automated refuse truck was too large of a first step and the limited options and size of the required containers were not a good fit for the uniqueness of the Town. We focused our energy to finding a semi-automated refuse truck.

### **Current Refuse Truck**

The quoted cost associated with the refuse truck in our power point presentation at the most recent Council Works session is \$299,000 per truck. We have received an update quote of \$308,402 an increase of \$9,402. This quote is subject to change given the current market.

The refuse truck we are proposing is a Mack LR64 with a Kann 32-yard packer body. This truck functions as outlined above. The specifications list is attached. Here are some pictures to assist:

A video showing the operations is available and we can show as requested.

Please let me know if you require additional information.

Attachment: Specifications for Refuse Truck