

To: Natalie Welsh, BOF Chair and Mark Porter, BOF Vice-Chair
Members of the BOF

From: Jim Hayden, First Selectman

Re: Refurbishment of Fire Engine 3

Date: June 7, 2020 (revised June 17, 2020)

Narrative for Proposed Capital Item - \$150,000 to Refurbish Engine 3

The Board of Selectmen (BOS) approved a capital request for \$150,000 for the refurbishment of Engine 3 on June 3, 2020.

Please note that the Town commissioned an assessment of its fire equipment in 2018. The results and recommendations from the assessment were presented to the Board of Selectmen in December of 2018 by Fire Service Consultant Peter Buonome, M.S. LLC.

For the past two years the BOS has worked with the Fire Department and the BOF to develop a 5-year plan that would provide the next generation of equipment for our Volunteer Fire Department and this refurbishment is one of the keys to the plan.

Fire Chief Kerry Flaherty presented the following information to the BOS on June 3, 2020.

- Purpose is to refurbish Engine 3 to extend its life as a first-line apparatus for an additional 10-15 years. Engine 3 was built in 2005 and is 15-years old. Engine 3 was made by Kovatch Mobile Equipment (KME) and is a 1500 GPM pumper.
- Typically, a fire apparatus is in front line service for 10-15 years and then put in to reserve capacity.
 - a. The reason for this is that technology is ever evolving in the fire service for fire apparatus.
 - b. One of the largest evolutions was the introduction of the four-door cab to provide additional safety to all riding firefighters along with air bags.
 - c. Engine 3 has a four-door cab but does not have an air bag system to provide additional protection.
- This refurbishment will incorporate as many additional safety features such as airbags and a rear facing camera to the apparatus
 - a. All interior seated positions will be serviced by a radio headset for internal and external communications.
 - b. The motor, transmission and fire pump will be closely examined to ensure that they are capable to perform at high efficiency for 10-15 years. There is a contingency in the capital request for any replacement which would be necessary.

- c. All running and warning lights will be converted to high intensity LED components
- d. The engine will have all areas repainted as they are exhibiting rust and deterioration.
- e. High visibility decals will be added to body areas.
- f. Electric cord reels occupy a large amount of space as do the electric fan and generator lights. The reels will be removed, the fan and lights will be replaced with rechargeable battery power.
- g. All compartments will be examined for the installation of aluminum roll-up doors.
- h. The final area to be rebuilt will be the hose trays in the pump panel area. The current hose trays are undersized and difficult to repack hose once it has been deployed. Currently the department is using light weight hose to adapt to the hose tray issues.

The \$150,000 budget number and the scope of work were developed by the Fire Chief, our Consultant and our fire apparatus mechanic and reflects estimates based on similar work to similar units. As a result, there are no bids attached.

The Fire Department will solicit multiple bids from responsible, qualified vendors. It is anticipated that the work will take 6-12 months to complete. The department will request a warranty on all material and workmanship. Any funds not used would be returned to the Capital Fund.