



Excelsior Fire District

Proudly Serving the Communities of:

Deephaven – Excelsior – Greenwood – Shorewood – Tonka Bay

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Excelsior Fire District Aerial 11 Replacement September, 2016 Aerial 11 / TRUCK #29 TRUCK RECOMMENDATION

Background

As the EFD Board, you are aware that we are in the final stages of recommending a replacement for the existing ladder / aerial truck. During this process we have reviewed several trucks from several manufacturers. The purpose of the reviews of various manufactures was to see the current options and how the changes to the industry have been handled by each manufacture.

We had demos of the manufactures listed below and these where attended by firefighters, Board Member Erickson and Chief Gerber. Although this truck replacement has not had a “formal EFD Truck Committee” assigned for the specification and bidding of this truck, we have utilized member expertise to develop and finalize the specific specifications for this replacement truck.

Apparatus Reviews were performed with the following manufactures:

- Pierce
- Rosenbauer
- E-One
- KME
- Sutphen
- Spartan

I vision the process for the truck replacement to move forward similar to this:

- September 28th Board meeting
 - Discussion of the aerial devices and recommendation provided from staff
 - Preliminary approval from the EFD Board to move forward with the purchase and ordering of a new truck
- October
 - EFD Board member review the process and recommendation with their councils. Obtain approval from all councils
 - Hold Special EFD Board meeting in late October to give Final approval to order a new truck

- November/December
 - Fire Chief and EFD Board Chair sign agreement to purchase a new truck.
 - Financing in place to pay for truck once final agreement signed.
- First Quarter of 2018
 - New aerial / ladder truck arrives at EFD

As a part of our overall review process we have evaluated/considered different options. In July a few EFD staff, EFD Board Member Erickson, and a few other outside individuals spent a day at a number of different locations in our EFD Fire District comparing the various aerial/ladder devices. At these sites we used our current EFD Aerial (65 foot), a Minnetonka Ladder (75 foot mid-mount), and a 107 foot Pierce demo. We went to the following sites:

- Minnewashta Elementary
- Residential home in Shorewood
- Residential home in Tonka Bay
- Multi-family apartment in Excelsior
- Residential home in Deephaven
- Multi-family home in Deephaven

We shot video at each site of the operations of each truck. From setup to reach we looked at how each truck was able to handle the need for that site. That video was sent to you for review on September 13, 2016. The purpose of the video is to help show the various applications of the different aerial/ladder devices.

Recommendation

Based on our overall review to date, the EFD Leadership is recommending the EFD Board authorize the Fire Chief to finalize a bid utilizing the HGAC process with Pierce. The truck purchased would be the Pierce 107 Ascendant.

The CIP has allotted \$730,000.00 for the truck, \$35,000.00 for equipment, and \$97,225.00 for financing for a total of \$862,225.00.

Basis for the Recommendation:

- We believe this Pierce Ascendant 107 foot ladder on a single axle truck is the best option for the Excelsior Fire District for short term and long term operations.
 - Water – 500 gallons
 - Foam – 20 gallons
 - Pump – 1500 gpm
 - Ground Ladders – 105 feet total
 - 1 - 35 ft. ground ladder
 - 1 - 24 ft. ground ladder
 - 1 - 16 ft. roof ladder
 - 1 - 20 ft. roof ladder
 - 1 - 10 foot folding attic ladder
 - Set-up – easy set-up and operations
 - Reach – most reach for any of the apparatus
 - Safety – firefighter safety while operating on any roof or conducting any roof operations in today’s construction is critical. This truck allows the most reach and the most opportunity that is needed to work on a roof, the operational functionality is the most of any truck reviewed.

The EFD Leadership believes this truck meets the needs of the Fire District as outlined in the attached documents and does not provide a duplication of services with other fire departments in the area. The EFD Leadership realizes the truck price is \$38,000.00 over the allotted amount of \$730,000.00 for the truck portion in the CIP. However, the overall allocated amount for the purchase of this truck will not exceed the budget amount. The EFD Leadership is confident that we will not exceed the overall budget of \$862,225 allotted in the CIP for the truck, equipment, and financing.

Chief Gerber is handling the finance portion of the truck. We believe that because of the low interest rates currently available, the finance portion of the truck will be much less than the \$97,000.00 allotted in the CIP. The City of Shorewood and the City of Tonka Bay are interested in providing the financing for this truck.

The EFD Leadership is confident that the Pierce 107 Ascendant meets all the truck replacement criteria and specifications which were determined by the District, EFD Leadership, and members during the truck replacement process. The final truck specifications will be negotiated by the Fire Chief not to exceed the overall allocated CIP dollars of \$862, 225.

Equipment bids will also be obtained for this truck. Equipment will be purchased at a later date. EFD Leadership is confident that we can purchase the needed equipment on this truck for the budgeted \$35,000