

City Council Staff Report



Applicant

Mapleton City

Prepared By

Nicholas Glasgow,
Fire Chief

Public Hearing

No

Attachments

No

Request

Authorization to use vehicle replacement funds to purchase a new 2021 Smeal Metro Star Type 1 Fire Engine.

Background & Description

1. On October 22, 2021, all three of our front line fire engines failed annual pump testing. Engine 101, our current front line pumper, is 24 years old. It's failure left it unable to pump or drive. Engine 101 has estimated repairs of \$20,000 and with part shortages we are looking at months for it to be back in service. Engine 102, our volunteer engine, is 16 years old. Its failure left it only to be able to pump in one mode. E102 also needs further repairs and parts. Water Tender 101 was repaired the same day but it is a water transport truck with half the rated pump capacity as the other two front line fire engines.
2. This testing of our Fire Departments aging fleet brings to question the reliability of our 20+ year old fire apparatus. NFPA recommends that cities place fire apparatus in reserve status after 15 years. Two of our three fire engines are past that standard. In our cities insurance standard office (ISO) rating of a class 3 fire department, ISO requires a city the size of Mapleton to have three 1250 GPM+ pumpers. Plans are underway to make the required repairs but the reliability of our 24 year old front line engine can only be fixed with the purchase of a new front line fire engine.
3. Purchasing custom fire engines that meet our replacement needs would be in the \$750,000 range and would take 12 – 18 months to build. I reached out to multiple vendors to see if we can find a deal on something like a demo pumper that is already built and available immediately. Our options nationwide were limited because competition is fierce to buy these already built pumpers. We found an available demo Type 1 Engine that meets all our needs for \$579,000. Specs are as follows: 2021 Smeal metro Star, 450 HP Cummins L9 engine, Allison 3000 EVS transmission, 2 wheel drive, 1500 GPM Waterous pump, 700 gallon water tank, 30 gallons class A foam, Auxillary pump for pump and roll capability.
4. On November 4th, 2021, verbal authorization was given by the city council to send a purchase order to secure this pumper. Estimated delivery is within the month.

RESOLUTION NO. 2021-

CONSIDERATION OF A RESOLUTION OF THE MAPLETON CITY COUNNCIL ALLOWING THE PUBLIC SAFETY DIRECTOR TO USE VECHICLE REPLACEMENT FUNDS TO PURCHASE A FIRE ENGINE.

WHEREAS, Mapleton City currently has three fire engines in accordance with the ISO safety rating of our city.

WHEREAS, the age of two of the three fire engines has exceeded the life expectancy of a front line fire engine per the NFPA guidelines.

WHEREAS, our current twenty four year old front line engine is out of service with major mechanical issues. Once repaired the reliability of this engine is questionable due to its age.

NOW THEREFORE, BE IT RESOLVED by the City Council of Mapleton, Utah, to allow the Public Safety Director to access vehicle replacement funds for the purchase of a new fire engine and equip it with EMS and fire rescue equipment.

PASSED AND ORDERED PUBLISHED BY THE CITY COUNCIL OF MAPLETON, UTAH, this 16th day of, November 2021.

Dallas Hakes, Mayor

ATTEST:

Camille Brown
City Recorder