



Administrative Report

H.17., File # 22-4915

Meeting Date: 10/4/2022

To: MAYOR AND CITY COUNCIL
From: TED SEMAAN, PUBLIC WORKS DIRECTOR

TITLE

APPROVE THE PURCHASE AND INSTALLATION OF ONE CUMMINS ENGINE FOR FIRE ENGINE/PUMPER E-62 FOR A TOTAL COST NOT TO EXCEED \$65,000 FROM CUMMINS SALES AND SERVICES

EXECUTIVE SUMMARY

Staff is seeking authorization to purchase and install one new Cummins engine for Fire Department Pumper E-62 (Unit #116) to get the vehicle back in service. Funding for the repair is available in the Fleet-Maintenance and Operations budget. E-62 houses a Cummins chassis and drive-train and it is necessary that the replacement engine be a Cummins product. E-62 is a 2015 vehicle and is the primary Pumper unit that operates out of Fire Station 2.

BACKGROUND

At the end of August 2022, the Fire Department Pumper E-62 (Unit #116) experienced multiple fault codes and was taken to a Cummins authorized sales and service center in Downey. Following extensive troubleshooting, it was determined that the cylinder block was damaged beyond repair. A new or reconditioned engine or long-block is required to repair the vehicle and get it back in service.

The Public Works Department, working closely with the Fire Department, liaised with Cummins Sales and Service in Downey to acquire quotes and timelines for the replacement of the engine and the cylinder block. The E-62 pumper houses a Cummins chassis and drive-train and therefore, a Cummins engine/long-block needs to be installed. The unit is at the Cummins Sales and Service Center in Downey and is ready for repair once Council authorizes the purchase and installation.

A number of quotes were requested and received from Cummins Sales and Services on the different repair options available, and are summarized as follows:

Recommended Option New Engine Quote: \$59,574.70

Estimated Timeline: 45-60 days lead time

Warranty: 2 years / 250,000 miles

Reconditioned Engine Quote: \$61,020.31

Estimated Timeline: 90 days lead time

Warranty: 2 years / 100,000 miles

Reconditioned Long Block Quote: \$41,208.69

Some of the components like the turbo, EGR cooler, air compressor and fuel pump will need to be reused and transferred from the old engine

Estimated Timeline: 15 days lead time

Warranty: 1 year / 50,000 miles

The Public Works and Fire Departments reviewed the costs, timelines and other factors including newer components and the extended warranty of products. Staff determined that the recommended option provides longer-term viability and is comparable in price. It is recommended that the Council approve the purchase and installation of a new Cummins engine at the estimated cost of \$59,574.70, and provide contingency not to exceed \$65,000.

COORDINATION

The Public Works Department coordinated this report with the Fire Department.

FISCAL IMPACT

Funding for the purchase and installation of the engine at an estimated \$59,574 (not to exceed \$65,000) is available in the Fleet Maintenance and Operations budget. However, as this was not a planned repair/replacement this Fiscal Year adjustments to the Vehicle Fund will be recommended at Mid-Year to cover the cost.

APPROVED BY:

Mike Witzansky, City Manager

ATTACHMENTS

- Quote from Cummins Sales and Services