



City Council Report

Date: May 17, 2021
To: City Council
Through: Michael Kennington, Deputy City Manager/Chief Financial Officer
From: Edward Quedens, Business Services Director
Matt Bauer, Procurement Administrator
Subject: Three-Year Term Contract with Two Years of Renewal Options for F-500 Encapsulating Agent for the Mesa Fire and Medical Department (**Sole Source**) (**Citywide**)

Recommendation

Council is requested to approve the award as recommended.

The Mesa Fire and Medical Department (MFMD) and Purchasing recommend awarding the contract to the sole source vendor, FDC Rescue, LLC, at \$65,000 annually, with an annual increase allowance of up to 5%, or the adjusted Consumer Price Index.

Background / Discussion

F-500 Encapsulator Agent has been researched, demonstrated and vetted and is recommended by the MFMD assigned committee made up of Fire Operations, Special Operations, Fire Training, Fire Safety Division and fire apparatus mechanics. The committee's final plan is to use F-500 for Class A (wood, paper), B (flammable liquids), D (metals) and lithium-ion battery fires.

The F-500 Encapsulator Agent provides one product for all fire suppression applications and will replace our current Class A and Class B foams which is a cost savings. F-500 is non-hazardous and contains no PFAS or PFOS (fluorinated) chemicals which will provide better firefighter safety. Several of our regional auto-aid partners (Queen Creek Fire, Glendale Fire and Gilbert Fire) also switched to the F-500 product because of its non-fluorinated properties and its effectiveness on Class A, B, D and lithium-ion battery fires. On large events with our regional partners, we can supply each other with the F-500 product to continue the firefighting efforts as you cannot mix different firefighting suppression agents within each fire apparatus. No other fire suppression agent that we have researched was able to suppress lithium-ion battery fires or remove toxic carcinogens from the air in fire and smoke-filled environments. Research on the reduction of ambient carcinogens from the use of F-500 was quantitatively verified by a study at Clemson University. The risk of cancer among firefighters is high and according to the studies, F500 can reduce this risk.

FDC Rescue, LLC, is sole distributor for F-500 Encapsulator Agent and its complete product line in Arizona and southern Nevada for municipal fire service.

Purchase Information

Action: Award

Procurement Type: Sole Source

Contract Number: 2021159

Local Consideration: Policy did not apply to this procurement method

Protests Received: None

Initial Contract Term: Three Years

Possible Renewals: Up to a maximum of two years subject to Administrative review and approval

Funding Source: Mesa Fire and Medical Department General Fund operating budget