

Agenda Report

July 11, 2016

TO: Honorable Mayor and City Council
FROM: Department of Public Works
SUBJECT: AUTHORIZE PURCHASE ORDER WITH SEAGRAVE FIRE APPARATUS, LLC FOR THE PURCHASE OF ONE AERIAL LADDER TRUCK FOR AN AMOUNT NOT TO EXCEED \$1,300,000

RECOMMENDATION:

It is recommended that the City Council:

1. Find that this action is exempt under the California Environmental Quality Act (CEQA) in accordance with Section 15061(b)(3), the General Rule that CEQA only applies to projects that may have an effect on the environment;
2. Authorize a purchase order contract with Seagrave Fire Apparatus, LLC for one aerial ladder truck in an amount not to exceed \$1,300,000. Competitive Bidding is not required pursuant to City Charter Section 1002(H) contracts with other governmental entities or their contractors for labor, materials, supplies or services; and
3. Grant the proposed contract an exemption from the Competitive Selection process pursuant to Pasadena Municipal Code Section 4.08.049(B) contracts for which the City's best interests are served.

BACKGROUND:

The Fire Department is in need of replacing a ladder truck (equipment #1910), currently in service at Fire Station 31. Per the National Fire Protection Association (NFPA) the life cycle for fire apparatus is 15 years front-line. Properly maintained and serviceable fire apparatus may be placed in reserve status if they are upgraded according to NFPA 1912, and incorporate as many features as possible of the current standard. Apparatus over 25 years old should be replaced (according to NFPA). The ladder truck proposed for replacement is 22 years old with 139,561 miles. Once the new truck arrives, the old truck (#1910) will be used as a reserve truck and for training (see attached vehicle condition report).

Consistent with previous purchases, this acquisition is proposed through the Houston-Galveston Area Council (HGAC) Cooperative Purchasing Program. The HGAC assists local governments in reducing costs through this government-to-government procurement service which is available for States, State Agencies, Local Governments, Districts, Authorities, and qualifying Not-for-Profit Corporations. In California, there are 264 local government entities and qualifying non-profit corporations participating in the purchasing program, including the City of Pasadena. HGAC has been procuring services and products for over 30 years. Items offered to the City through this program have been subject to either the competitive bid or competitive proposal format.

The HGAC followed the following process in regard to Fire Service Apparatus:

- An Invitation to Bid for Fire Service Apparatus (as well as other products and services) was distributed on July 9, 2015.
- Bids were due by August 13, 2015 at 1:00 p.m. CT.
- Public response was opened on the same day at 2:00 p.m.
- HGAC evaluated 26 bids from 88 vendors.
- Recommendations for bid awards were made to the lowest responsive bidder at the HGAC Board meeting on October 20, 2015.
- The base contract was made available for use by HGAC members (including the City of Pasadena) through November 30, 2017.

The HGHC bid specifications set forth minimum design and construction characteristics for various types of fire service apparatus including compliance with all applicable standards.

Of the 26 bids evaluated by the HGAC, seven met the City's base-line specifications (100' Tractor Drawn, Mid-Mount Telescoping Ladder). The price list was established for base model pricing, subject to adjustments based on additional requirements of purchasing agencies.

MANUFACTURERS WITH BASE SPECIFICATIONS			
PRODUCT CODE	MANUFACTURER	MODEL & DESCRIPTION	BASE OFFERED PRICE
HA07	EMERGENCY ONE (E-ONE)	E-One Cyclone II, 4-Door Full-Tilt Welded Extruded Aluminum Cab, Six (6) Man Seating, Welded Extruded Aluminum Body, Tandem Axle, 1500 GPM Single Stage Pump, 300 Gallon Tank, Welded Extruded Aluminum L193 - 95' 1305# Tip Load, Mid-Mounted Telescoping Ladder Platform	\$1,027,766
MA07	KME	KME, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Single Axle, 100' 500# Tractor (Mid-Mount), Telescoping Steel Ladder	\$980,642
TA10	PIERCE	Pierce Arrow Chassis, 4-Door Full-Tilt Aluminum Cab, Formed Aluminum Body, Single Axle, 100' Tractor Drawn - Mid-Mounted Telescoping Ladder (#500)	\$963,334
AAA06	SPARTAN	Spartan 4-Door Full-Tilt Aluminum Cab, Aluminum Body, Single Axle, 100' 500# Steel Tractor Mid-Mounted Telescoping Ladder	\$937,627
ZA13	SMEAL	100' Tractor Drawn Telescoping Ladder (PLT)- 100, Aluminum Body, Spartan Gladiator 4-Door Tilt Cab, Single Axle	\$892,408
VA09	ROSENBAUER, MINNESOTA LLC	Rosenbauer Commander, 4-Door Tilt Cab, Extruded Aluminum Body, Single Axle, 104' Tractor Drawn Steel Ladder	\$838,928
XA03	SEAGRAVE	Seagrave Marauder II Custom 4-door Full Tilt Stainless Steel Tractor and Body, Single Axle, 100' Tractor Drawn Aerial - Mid-Mounted Telescoping Ladder (250#)	\$811,837

The ladder truck offered by Seagrave was the lowest priced vehicle resulting from the HGAC bid process. Moreover, the Department selected Seagrave for the following reasons: 1) Pasadena service history; 2) it provides the most important operational components desired by Pasadena Fire Fighters; 3) added efficiencies from equipment standardization; 4) fiscal responsibility; providing high value for a relatively low cost.

1. In 1909, Pasadena received the first motorized rig Seagrave delivered to the Western States powered by a six cylinder air-cooled engine. It was a combination chemical engine, described as an elegant four-wheeled chemical giant to become the famous No. 5. It has been restored by firefighters, appeared many times in the Tournament of Roses Parade, and sits on display at Fire Station 31, 135 S. Fair Oaks Ave. The City purchased its first motorized pumper (a Gorham-Seagrave) in 1912, and a Seagrave aerial ladder truck in 1914, which was not retired until 1936. Pasadena ladder trucks have an exemplary service performance history and are not known to fail in operations.
2. The Department has an Apparatus Committee which makes recommendations to the Fire Chief. This group exists to develop specifications based on Department needs from what they experience in the field and through research. The committee is comprised of fire staff (officers, engineers, firefighters), fleet

mechanics and other experienced personnel. The committee solicits input from employees in both Fire and Public Works to determine desired capabilities, review safety features, evaluate longevity trends, assess maintenance and repairs, and understand environmental limitations. These communications support continuous improvement of apparatus specifications, which is the Department's overall goal.

- Examples of the committee's specifications include:
 - Steel construction of the cab, body, and aerial, which has been found to provide the highest level of safety for firefighters during travel to an emergency, and while operating on the aerial ladder device. Aluminum fails at approximately 300 degrees, while steel does not fail until about 1000 degrees.
 - An A Frame outrigger. An outrigger is a projecting structure that extends under a truck to stabilize the apparatus so the unit does not topple over during ladder operations. The A Frame outrigger angles down and out with a footprint of 12' 6" wide. Other vendors provide an H Style outrigger which leaves a footprint of 17' 6" wide. A wider footprint would limit the Department's ability to navigate narrow streets and alley's found in Pasadena, or could impede the ability of other units to pass by.
- 3. The Department has been moving toward standardization of equipment. Of the 10 front-line engines and trucks, only two (20%) will be from a different manufacturer (both are Pierce). This standardization allows the City to:
 - Streamline and reduce costs for parts, repairs, and third-party contracts
 - Boost firefighter confidence at emergencies by increased familiarization
 - Support staff by avoiding complexities of multiple manufacturers
 - Decrease the turnaround time for maintenance and repairs
 - Lessen staff training required to maintain, repair and operate the vehicles
- 4. Of the specifications provided by the seven manufactures listed above:
 - Only six have a 100 foot aerial ladder
 - Only three are constructed with a steel ladder
 - Only one (Seagrave) has both the specifications of the 100 foot aerial, a steel ladder, as well as a steel constructed body and cab which houses the City's firefighters
- 5. The Department's requirements are based on its assessment of emergency operations and training needs. Some manufacturers offer options that are not considered important to the Pasadena Fire Department. For example, some manufacturers' ladders are rated to allow two Fire Fighters at the tip of an

extended ladder. The Pasadena Fire Department operational practices limit the number of personnel at the tip of a ladder to one. Moreover, other features such as a water tank and pump is not needed on a ladder truck in Pasadena thanks to short response times staffing eight engines.

Even though the HGAC was a competitive bid, contracts with other governmental entities or their contractors for labor, materials, supplies or services are exempt from Competitive Bidding, pursuant to Pasadena City Charter Section 1002(H). The City joined HGAC in 2013 and has approved four purchases for the Fire Department since that time. This purchase is in the best interest of the City because it provides for the highest safety components desired by the Department, incorporates features that allow for aerial apparatus access in unique areas of Pasadena, improves efficiencies through increased standardization, and gives the highest value to our customers and users by including key features for our community while excluding amenities that are not needed.

COUNCIL POLICY CONSIDERATION:

Seagrave Fire Apparatus, LLC has extended to the City of Pasadena the opportunity to purchase one 2016 Seagrave Tiller Drawn Aerial ladder truck on the HGAC contract #FS 12-15. This purchase is consistent with the City Council's goals to ensure public safety, increase conservation and sustainability, and maintain fiscal responsibility and stability. Additionally, this purchase complies with United Nations Urban Environmental Accords Action 14, purchase of advanced emission controls on all public fleets to reduce particulate matter and smog-forming emissions by 50 percent by the year 2012.

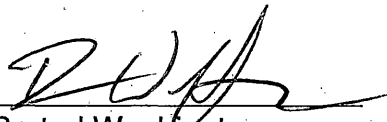
ENVIRONMENTAL IMPACT:

This purchase complies with all South Coast Air Quality Management District rules and regulations for engine emissions and clean air standards in the South Coast Air Basin.

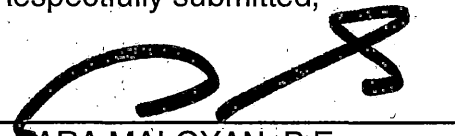
FISCAL IMPACT:

The total cost of this action is \$1,300,000. Funding for the purchase will be available through existing budgeted appropriations from the Public Works Department, Building Systems and Fleet Management operating budget (account 50322060-850500). It is anticipated that the total funds spent will occur during Fiscal Year 2017. Indirect and support costs such as maintenance and repair are anticipated to be \$394,000, will occur over the lifecycle of the vehicle, and will be funded annually through anticipated budgeted appropriations in the Fire Department's operating budget (account 10131015-861600). Additionally, annual maintenance costs for the reserve vehicle are anticipated to be \$42,000 (in FY2018), and will be funded annually through anticipated budgeted appropriations in the Fire Department's operating budget (account 10131015-861600).

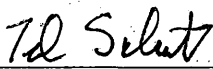
Respectfully submitted,


Bertral Washington
Fire Chief

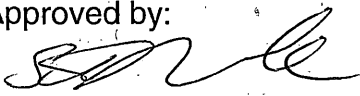
Respectfully submitted,


ARA MALOYAN, P.E.
Director of Public Works

Prepared by:


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Approved by:


STEVE MERMELL
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Attachment A – Vehicle Condition Report