



CITY COUNCIL AGENDA ITEM

Date: August 6, 2015

To: Brian Kischnick, City Manager

From: MaryBeth Murz, Purchasing Manager
William S. Nelson, Fire Chief

Subject: Standard Purchasing Resolution 4: Award – HGAC Cooperative Purchasing Contract – Fire Apparatus

History

The Fire Department initiated a project to replace front line rescue pumpers in 2008. Extensive research was conducted to determine the configuration that would best support the operations of the Fire Department. The research indicated that the PUC – Pump Under Cab – design created by Pierce Manufacturing Inc. was best suited for the Troy Fire Department because this design offers significant advantages compared to conventional fire apparatus design:

- Easily accessible pump location under the cab which greatly simplifies maintenance and repair.
- Larger storage capacity than comparable apparatus while maintaining a shorter wheelbase to permit maneuvering on boulevards and in apartment/business complexes.
- Power take-off pump drive which eliminates the typical pump transmission which requires maintenance and occupies space that could otherwise be utilized for equipment storage.
- Standardizing on one design simplifies training of personnel and maintenance.

The City has purchased five of these rescue pumpers since 2008 and they have performed very well. The last front line pumper to be replaced is Engine 4, which is a 2005 conventional body pumper. Engine 4 is being replaced slightly ahead of schedule in order to add an additional engine to the department inventory. Insurance Service Office standards require that the department have a minimum of nine engines in order to obtain full rating credit. The Fire Department currently has a total of eight engines.

Purchasing

- HGAC is the Houston Galveston Area Council Cooperative Purchasing Program that has been in existence for over 30 years; specializing in high ticket, capital intensive products and services that require technical, detailed specifications and extensive professional skills to evaluate bid responses. Products available thru the HGAC Program are products utilized in Public Safety, Public Works and Communications.
- The bid was hosted by the HGAC Cooperative. Contracts were awarded to the lowest responsible bidder for each product item category as detailed in the bid specifications; FS12-13, Fire Apparatus (All Types).



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Purchasing (continued)

- The pricing for the Pierce Enforcer PUC pumper through the HGAC Buying Consortium is detailed as follows:

Manufacturer List Price	\$635,437.00
Bid Price	\$605,437.00
Less HGAC Purchase Discount	-\$8,644.00
HGAC Purchase Price	\$596,793.00
Less 100% Pre-Payment Discount	-\$24,699.16
Total Cost	\$572,093.84

- Included in this memo are pictures of the last Pierce PUC pumper the City purchased. The Saber chassis that was used in the past is no longer available. The new apparatus will have the new Enforcer chassis. The brochure for the new vehicle is enclosed for review. The rest of the vehicle would remain the same with the same body and graphics of the apparatus that was delivered in March of 2013.

Financial

Funds are budgeted in the amount of \$585,000.00 and currently available in the Fire Department Capital account for the purchase of this Fire Apparatus.

Recommendation

City management recommends that a contract be awarded to *Halt Fire Apparatus, Inc. of Wixom, MI*, the local authorized dealer in Michigan for Pierce Manufacturing, Inc. for one Pierce PUC Rescue Pumper for an estimated total cost of \$572,093.84 utilizing the HGAC Cooperative Purchasing Contract and the upfront payment discount option; Halt Fire Apparatus will supply a 100% performance bond to guarantee satisfactory delivery.





Pierce

THE NEW **ENFORCER™** CHASSIS



The legacy grows.

Proven reliability returns. The Pierce® Enforcer™ chassis is back and more capable than ever. With TAK-4® independent front suspension, your choice of two powerful engines and side roll protection, the new Enforcer performs like never before. Plus you can take advantage of significant improvements in visibility, space, ergonomics and serviceability.

New Enforcer Features

- Detroit Diesel DD13 or Cummins ISL 9 engine
- Single bonded windshield with no center post and three-wiper system advance visibility
- Larger front door and smaller A-pillar improve side sight lines
- 96" wide cab and lower, smaller engine tunnel maximize space
- Greater seat belt access
- Forward roof design expands frontal visibility and configurable space
- Patent pending adjustable rear wall allows repositioning of forward-facing rear seats in 3" increments
- Exterior door handles designed for a firefighter's gloved hand
- Low, offset steps provide safer entry and exit
- Ergonomically designed console and metal overhead switch panel improve convenience and comfort
- Gauges and switches within easy reach of driver without interrupting lines of sight
- Flat officer work space configurable for options such as mobile data terminals
- Repositioned fluid check and access door located on the rear portion of the engine tunnel
- Easy access to defroster and wiper motor through removable officer-side panels
- Power distribution relocation provides more interior space and fewer harnesses in the frame/through the cab for easier servicing
- 54" raised air intake for emergency water fording conditions

SPECIFICATIONS*

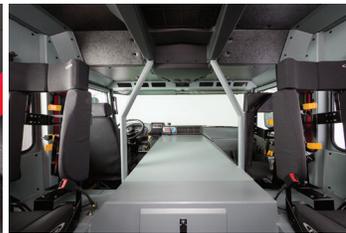
ENFORCER	
Engine	Detroit Diesel DD13 or Cummins ISL 9
Engine Horsepower	370 HP – 500 HP
Transmission	Allison 3000 EVS or 4000 EVS
Alternator	275 – 340 Amp
Front GAWR (max)	22,800 Lb.
Front Axle Suspension	TAK-4® Independent Front Suspension
Cramp Angle (max)	50°
Rear GAWR (max)	31,000 Lb.
Rear Axle Suspension	Leaf; Single
Frame Rail	10.25"
Cab Width	96"
Cab Length	60" or 70"
Cab Roof Style	Raised (10")
Seating Capacity	8
Doors	Barrier or Full Height
Side Roll Protection	Default
Frontal Air Bags	N/A
Cab Tilt	45°
Electrical System	Hard Wired



Smaller, lower engine tunnel maximizes driver and officer space while improving visibility across the cab
All seats equipped with ReadyReach Seatbelts for easy usage in full gear



Standard wire raceways improve servicing



Forward roof design increases visibility and communication



Adjustable rear wall allows repositioning of forward-facing seats



Low stair-style steps allow easier and safer exit/entry



Daily checks access moved to rear of engine tunnel for easier maintenance



Flat, minimally contoured floor provides a safer platform



Cleaner switch layout with enhanced elbow and hip room

Learn more about the Pierce® ENFORCER™ chassis at piercemfg.com

*Some features listed are options.

