

Meeting Date: 12/2/2014

Report Type: Consent

Report ID: 2014-00879

Title: Grant: Station Alerting, Training, Exercise, and Hazardous Materials Detection Equipment

Location: Citywide

Recommendation: Pass a Resolution 1) authorizing the City Manager, or his designee, to apply for grant funding for the purchase of Station Alerting, Training, Fitness, and Hazardous Materials Detection Equipment (Equipment); 2) accepting any federal funds awarded in an amount not to exceed \$1,800,000; 3) establishing an operating grant project, if awarded, for the Equipment including revenue and expenditure budgets; and 4) authorizing the transfer of the City's match for the grant from the Fire Department's operating budget to the grant project.

Contact: Michelle Basurto, Program Specialist, (916) 808-1357; Walt White, Fire Chief, (916) 808-1601, Fire Department

Presenter: None

Department: Fire

Division: Special Projects

Dept ID: 12001051

Attachments:

1-Description/Analysis

2-Resolution

City Attorney Review

Approved as to Form

Lan Wang

11/24/2014 9:33:54 AM

Approvals/Acknowledgements

Department Director or Designee: Lloyd Ogan - 11/14/2014 9:43:22 AM

Description/Analysis

Issue Detail: The U.S. Department of Homeland Security, Federal Emergency Management Agency is currently accepting grant applications for the 2014 Assistance to Firefighters Grant (AFG) program. The purpose of the AFG Program is to enhance the health and safety of the public and the firefighting community. Additionally, this financial grant assistance will fund critically needed resources to protect the public, train emergency personnel, foster interoperability, and support community resilience.

The Fire Department is seeking grant funding for the following items:

- Fire Station Alerting System. One of the most critical components of an effective emergency response and communication system is station alerting. Each of the Fire Department's fire stations is connected to the Sacramento Regional Fire Communications Center via data and telephone lines, receiving dispatch alerts and incident information through the Fire Station Alerting System.

Four of the 25 fire stations that were recently constructed have new Fire Station Alerting Systems which provides a reliable, supportable, and broad functionality. The alerting systems in older stations were designed using custom-built, proprietary components, all of which are now obsolete, unreliable, and not supported by the manufacturer. As the system has approached the end of its service life, the only solution for providing continuous fire station alerting capability is to replace it with a commercially available and supportable system. The estimated cost for this item is \$766,000.

- Fixed Fire/Evolution Prop and Training. To ensure the best possible training, reproducing typical scenarios and the hazardous situations that occur in a fire are vital. Props provide realistic representation of flame patterns and incorporate the necessary details found in a variety of situations, which results in well-rehearsed actions, builds confidence and ensures safe procedures in real life firefighting. Due to the limitations with our current training props, we rely on acquired structures to replicate hands-on firefighting scenarios. There are multiple difficulties associated with obtaining/prepping these structures including finding suitable structures, following standard protocols, the cost to prepare a structure to National Fire Protection Association (NFPA)/Occupational Safety and Health Administration (OSHA) standards, limited number of actual live burn evolutions, potential safety issues and consistency of scenarios. Multi-story, multi-room, multi-fire structural props and associated supplies and training provide many advantages to safely allow our firefighters to train in: entry, search & rescue, suppression, ventilation, communications, firefighter safety/survival and Rapid Intervention Team (RIT). The estimated cost is for this item is \$626,000.
- Non-Motorized Treadmills. Treadmills are the most used piece of fitness equipment in the fire house because of its versatility and the need to improve cardio respiratory fitness. The current equipment is over ten years old, difficult to find replacement parts, and leading to an

increase in firefighter musculoskeletal injuries. Non-motorized treadmills will help reduce injuries, requires no facility upgrades, uses less floor space, has better versatility, and is a more cost effective choice over time. The estimated cost for this item is \$159,000.

- Chemical, Biological, Radiological and Nuclear (CBRN) Respiratory Protection. The Fire Department's two hazardous materials response teams require personnel to enter contaminated areas of all types. The purchase of this equipment would be replacing the existing cache of respirators that is coming close to expiration. Obtaining this equipment will enable the Fire Department to continue providing at the same high level of service. This estimated cost for this item is \$90,000.
- Rapid Deployment Kit (RDK) Wireless Detection System. The Fire Department currently has one Rapid Deployment Kit (RDK) host controller that was purchased from a previous grant and was used at a command post during a Hazardous Materials Incident. The current equipment used by the Fire Department has become outdated and is difficult to support with newer computer technology. Upgrading this equipment will provide the ability to obtain higher quality information, will be compatible to current industry standards and will be compatible with neighboring fire agencies outside of Sacramento County, as well as, other existing federal resources. The estimated cost for this item is \$64,000.
- Weatherpak TRx2. The purchase of a Weatherpak TRx2 portable meteorological station would assist our emergency response personnel during hazardous materials incidences, natural disasters and terrorist attacks. This weather monitoring station is essential in aiding and ensuring the health and safety of the public, emergency responders, and recovery workers. This equipment is used in combination with US Environmental Protection Agency (EPA) Computer-Aided Management of Emergency Operations (CAMEO)/Areal Locations of Hazardous Atmospheres (ALOHA) software during hazardous emergencies. The estimated cost for this item is \$8,000.

Policy Considerations: The continued response to community, industry, construction, and business for rescue services is consistent with the City Council goal of improving and expanding public safety. Applying for the AFG is consistent with City Council actions relative to state and Federal grant awards and the City's goal of establishing and strengthening community and regional partnerships.

Economic Impacts: None.

Environmental Considerations: Ongoing administrative maintenance activities, such as purchases of supplies, equipment or materials which are not made for purposes of a public construction project, do not constitute a "project" and are exempt from the California Environmental quality Act (CEQA). CEQA Guidelines, Section 15061(b)(1), 15378(b)(3).

Sustainability: There are no sustainability considerations applicable to applying for or accepting Federal funds through the AFG Program.

Commission/Committee Action: None.

Rationale for Recommendation: Grant funding through the AFG Program would provide the opportunity to offset a significant portion of the cost to replace obsolete and unreliable equipment that has become a challenge to support. Additionally, funding for the new equipment will improve incident operations and support the health and safety of our firefighters.

Financial Considerations: Following is the estimated cost for the items:

Fire Station Alerting System:		\$ 766,000
Fixed Fire/Evolution Prop and Training:	626,000	
Non-Motorized Treadmills:		159,000
CBRN Respiratory Protection:		90,000
Rapid Deployment Kit (RDK) Wireless Detection System:		64,000
Weatherpak TRx2:		<u>8,000</u>
TOTAL:		\$1,713,000

The AFG program requires successful applicants to provide a share, in an amount equal to ten percent, of the total cost of the items awarded. Therefore, City matching funds of approximately \$171,300 would be required contingent upon receipt of award. If awarded, the match will be funded through the Fire Department’s operating budget.

Local Business Enterprise (LBE): If awarded, City procurement policies will be adhered to in the acquisition of goods and services related to this grant.

RESOLUTION NO.

Adopted by the Sacramento City Council

AUTHORIZATION TO APPLY FOR AND ACCEPT GRANT FUNDING, IF AWARDED, FOR THE PURCHASE OF STATION ALERTING, TRAINING, EXERCISE AND HAZARDOUS MATERIALS DETECTION EQUIPMENT

BACKGROUND

- A. The U.S. Department of Homeland Security, Federal Emergency Management Agency is currently accepting grant applications for the 2014 Assistance to Firefighters Grant (AFG) program.
- B. The Fire Department is seeking grant funding for the purchase of Station Alerting, Training, Fitness, and Hazardous Materials Detection Equipment.
- C. The Fire Station Alerting System is one of the most critical components of an effective emergency response and communication system is station alerting. The alerting systems in older stations were designed using custom-built, proprietary components, all of which are now obsolete, unreliable, and not supported by the manufacturer. As the system has approached the end of its service life, the only solution for providing continuous fire station alerting capability is to replace it with a commercially available and supportable system.
- D. The Fire Training equipment is for a fixed Fire/Evolution prop that can provide realistic representation of flame patterns and incorporate the necessary details found in a variety of situations, which results in well-rehearsed actions, builds confidence and ensures safe procedures in real life firefighting. Multi-story, multi-room, multi-fire structural props and associated supplies and training provide many advantages to safely allow our firefighters to train in: entry, search & rescue, suppression, ventilation, communications, firefighter safety/survival and Rapid Intervention Team (RIT).
- E. The Fire Fitness equipment is for Non-Motorized Treadmills. Treadmills are the most used piece of fitness equipment in the fire house because of its versatility and the need to improve cardio respiratory fitness. The current equipment is over ten years old, difficult to find replacement parts, and leading to an increase in firefighter musculoskeletal injuries. Non-motorized treadmills will help reduce injuries, requires no facility upgrades, uses less floor space, has better versatility, and is a more cost effective choice over time.
- F. The Hazardous Materials Detection Equipment is for:
 - a. The Chemical, Biological, Radiological and Nuclear (CBRN) Respiratory Protection equipment would be replacing the existing cache of respirators that is coming close to expiration. By obtaining this equipment, the Fire

Department will be maintaining a level of service that it has already provided.

- b. The Rapid Deployment Kit (RDK) Wireless Detection System is to update the current equipment used by the Fire Department that has become outdated and has become difficult to support with newer computer technology. Upgrading this equipment will provide the ability to obtain higher quality information, will be compatible to current industry standards and will be compatible with neighboring fire agencies outside of Sacramento County as well as other existing federal resources.
- c. The purchase of a Weatherpak TRx2 portable meteorological station would assist our emergency response personnel during hazardous materials incidences, natural disasters and terrorist attacks. This weather monitoring station is essential in aiding and ensuring the health and safety of the public, emergency responders, and recovery workers. This equipment is used in combination with US Environmental Protection Agency (EPA) Computer-Aided Management of Emergency Operations (CAMEO)/Areal Locations of Hazardous Atmospheres (ALOHA) software during hazardous emergencies.

G. The anticipated cost to purchase this equipment is \$1.713 million dollars. The AFG program requires successful applicants to provide a share, in an amount equal to ten percent, of the total cost of the items awarded. Therefore, City matching funds of approximately \$171,300 would be required contingent upon receipt of award. If awarded, the match will be funded through the Fire Department's operating budget.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

- Section 1. The City Manager, or his designee, is authorized to apply for grant funding for the purchase of Station Alerting, Training, Fitness and Hazardous Materials Detection Equipment (Equipment).
- Section 2. The City Manager, or his designee, is authorized to accept federal funds awarded in an amount not to exceed \$1,800,000.
- Section 3. An operating grant project for the Equipment, including revenue and expenditure budgets, shall be established in the amount awarded.
- Section 4. The City Manager, or his designee, is authorized to transfer the City's match for the grant from the Fire Department's operating budget to the grant project.