



**Contra
Costa
County**

To: Board of Supervisors

From: Jeff Carman, Chief, Contra Costa County Fire Protection District

Date: February 13, 2018

Subject: Andeavor Foundation Grant for Hazardous Gas Monitor Project

RECOMMENDATION(S):

Acting as the Governing Board of the Contra Costa County Fire Protection District, APPROVE and AUTHORIZE the Fire Chief, or designee, to accept grant funding from the Andeavor Foundation in an amount not to exceed \$25,000 for the purchase of hazardous multi-gas detection equipment.

FISCAL IMPACT:

100% Andeavor Foundation Grant. No local agency matching funds required.

BACKGROUND:

In recent years, the fire service has recognized the need for engine company carbon monoxide (CO) detection. CO, a by-product of incomplete combustion, has always existed. However, as energy efficiency has become more important, houses and offices have become tighter and the potential for CO build-up has increased. The number of CO calls has outstripped the ability of our Hazardous Materials teams to respond to each call, so fire engine companies have often been tasked with and given the assets to do CO detection. Additionally, the equipment can detect flammable atmospheres, lower explosive limits, oxygen deficient or enriched atmospheres, as well as hydrogen sulfide or sewer gas. All of

☒ APPROVE

☐ OTHER

☒ RECOMMENDATION OF CNTY
ADMINISTRATOR

☐ RECOMMENDATION OF BOARD
COMMITTEE

Action of Board On: **02/13/2018** ☒ APPROVED AS RECOMMENDED ☐ OTHER

Clerks Notes:

VOTE OF SUPERVISORS

AYE: John Gioia, District I Supervisor
Candace Andersen, District II
Supervisor
Diane Burgis, District III Supervisor
Karen Mitchoff, District IV Supervisor
Federal D. Glover, District V Supervisor

I hereby certify that this is a true and correct copy of an action taken and entered on the minutes of the Board of Supervisors on the date shown.

ATTESTED: February 13, 2018

David Twa, County Administrator and Clerk of the Board
of Supervisors

Contact: Eddie Gonzales, Asst Fire
Chief (925) 941-3300 ext 1102

By: June McHuen, Deputy

cc:

which can pose serious hazards to first responders.

With the support from Andeavor Refinery's community service grant, the Contra Costa County Fire Protection District can purchase the following equipment to help support the air monitoring program.

- 4 Gas sampling kits: Sampling kits remotely sample toxic and combustible gases in the field using QRAE3 4 gas monitors. Kits include probe, tubing, filters and aspirator options.
- Bump gas with trigger: QRAE 3 4 gas monitors shall be calibrated monthly and bump tested prior to use. The purpose of a bump test is to ensure that the instrument's sensors respond to gas and all the alarms are enabled and functional.
- ConneXt confined space pack – Rescue 69: The ConneXt Pack is a combination of leading wireless gas monitors combined with an EchoView Host portable controller. It can provide real-time, man down alarms and alert site safety managers, site operators, or confined space attendants to atmospheric contaminants.
- Truck mounted chargers: The truck mounted chargers will be mounted in all apparatus and will mount the QRAE 3 securely inside the cab. This will ensure a fully charged 4 gas air monitor, secured from damage, and securely located in a common place.

CONSEQUENCE OF NEGATIVE ACTION:

The District will not be able to take advantage of this generous funding opportunity to provide each of the District's fire companies with multi-gas detection equipment to identify hazardous conditions.

CHILDREN'S IMPACT STATEMENT:

No impact.