

Entire Application

Overview

***Did you attend one of the workshops conducted by DHS's regional fire program specialist?**

No, I have not attended workshop

***Was a workshop within two hours' drive?**

Do Not Know

*** Are you a member, or are you currently involved in the management, of the fire department or non-affiliated EMS organization or a State Fire Training Academy applying for this grant with this application?**

Yes, I am a member/officer of this applicant

If you answered No, please **complete** the information below. If you answered Yes, please skip the Preparer Information section.

Fields marked with an * are required.

Preparer Information

* Preparer's Name

* Address 1

Address 2

* City

* State

* Zip

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In the space below please list the person your organization has selected to be the primary point of contact for this grant. This should be a Chief Officer or long time member of the organization who will see this grant through completion. Reminder: if this person changes at any time during the period of performance please update this information. Please list only phone numbers where we can get in direct contact with the POC.

Primary Point of Contact

* Title

Assistant Deputy Chief

Prefix (check one)

Mr.

* First Name

Kyle

Middle Initial

* Last Name

Merkins

* Business Phone (e.g. 123-456-7890)

415-558-3680 Ext.

* Home Phone (e.g. 123-456-7890)

415-238-5266 Ext.

Mobile Phone/Pager (e.g. 123-456-7890)

Fax (e.g. 123-456-7890)

* Email (e.g. user@xyz.org)

kyle.merkins@sfgov.org

Contact Information

Alternate Contact Information Number 1

* Title	Chief Financial Officer
Prefix	N/A
* First Name	Mark
Middle Initial	
* Last Name	Corso
* Business Phone	415-558-3417 Ext.
* Home Phone	415-558-3400 Ext.
Mobile Phone/Pager	
Fax	
* Email	mark.corso@sfgov.org

Alternate Contact Information Number 2

* Title	Deputy Chief
Prefix	N/A
* First Name	Raymond
Middle Initial	
* Last Name	Guzman
* Business Phone	415-558-3411 Ext.
* Home Phone	415-558-3400 Ext.
Mobile Phone/Pager	
Fax	
* Email	raymond.guzman@sfgov.org

Applicant Information

EMW-2013-FO-07019

Originally submitted on 12/06/2013 by Joanne Hayes-White (Userid: mariotrevino)

Contact Information:

Address: 698 Second Street

City: San Francisco

State: California

Zip: 94107

Day Phone: 4155583417

Evening Phone: 4155583417

Cell Phone: 4155583417

Email: mark.corso@sfgov.org

Application number is EMW-2013-FO-07019

* Organization Name	San Francisco Fire Department
* Type of Applicant	Fire Department/Fire District
* Type of Jurisdiction Served	County
If other, please enter the type of Jurisdiction	
Legal name of your jurisdiction	
Note: This information must match your <u>SAM.GOV</u> profile if your organization is using the DUNS number of your Jurisdiction.	San Francisco Fire Department
* <u>Employer Identification Number</u> (e.g. 12-3456789)	94-6000417
Note: This information must match your <u>SAM.GOV</u> profile.	
* What is your organization's 9 digit <u>DUNS Number</u> ? If you were issued a 4 digit number (DUNS plus 4) in addition to your 9 digit number please enter it in the second box. If not, please leave the second box blank.	033428819 (call 1-866-705-5711 to get a DUNS number)
* Is your <u>DUNS Number</u> registered in <u>SAM.gov</u> (System for Award Management previously CCR.gov)?	Yes
* I certify that my organization/entity is actively registered at <u>www.SAM.gov</u> and registration will be renewed annually in compliance with Federal regulations. I acknowledge that the information submitted in this application is accurate, current and consistent with my organization's/entity's <u>SAM.gov</u> record.	<input checked="" type="checkbox"/>
Headquarters or Main Station Physical Address	
* Physical Address 1	698 Second Street
Physical Address 2	
* City	San Francisco

* State California
 * Zip 94107 - 2015
[Need help for ZIP+4?](#)
 Mailing Address
 * Mailing Address 1 698 Second Street
 Mailing Address 2
 * City San Francisco
 * State California
 * Zip 94107 - 2015
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* Please describe all grants that you have received from DHS, for example, 2008 AFG grant for a vehicle or 2010 HSGP grant for exercises. (Enter N/A if Not Applicable).

The San Francisco Fire Department has applied for and been awarded AFG grants in the past, as well as additional DHS funding. The Department has received the following awards: 2003 AFG (\$211,975 for a Transportation Safety Program), 2004 AFG (\$341,525 for Wild land equipment), 2007 AFG (\$1,173,212 for a Health Check program), 2008 AFG (\$297,030 for a Driving Simulator), 2010 AFG (\$107,296 for washer extractors), the 2011 AFG (\$1,514,184 for SCBAs) and the 2012 AFG (\$1,029,021 for defibrillators and \$742,400 for regional training). In addition to the AFG awards, the Department has been awarded a variety of Port Security Grant Program (PSGP) funding as well as UASI funding.

Account Information

Note: This information must match your [SAM.GOV](#) profile.

* Type of bank account Checking
 * Bank routing number - 9 digit number on the bottom left hand corner of your check 121000358
 *Your account number 0066180050

Additional Information

* For this fiscal year (Federal) is your organization receiving Federal funding from any other grant program that may duplicate the purpose and/or scope of this grant request? No
 * If awarded the AFG grant, will your organization expend more than \$500,000 in Federal funds during your organization's fiscal year? Yes
 * Is the applicant delinquent on any Federal debt? No

If you answered yes to any of the additional questions above, please provide an explanation in the space provided below:

If the Department was to be awarded the amount requested in this grant, the award itself would put the Department over the \$500K threshold.

Fire Department/Fire District Department Characteristics (Part I)

* Are you a member of a Federal Fire Department or contracted by the Federal government and solely responsible for suppression of fires on Federal property? No
 * What kind of organization do you represent? All Paid/Career
 If you answered combination, above, what is the percentage of career members in your organization? %

If you answered volunteer or combination or paid on-call, how many of your volunteer Firefighters are paid members from another career department?

* What type of community does your organization serve?	Urban
* Is your Organization considered a Metro Department?	Yes
* What is the square mileage of your first-due response area? Primary/First Due Response Area is a geographical area proximate to a fire or rescue facility and normally served by the personnel and apparatus from that facility in the event of a fire or other emergency and does not include daily or seasonal population surges.	48
* What percentage of your response area is protected by hydrants?	100 %
* In what county/parish is your organization physically located? If you have more than one station, in what county/parish is your main station located?	San Francisco County
* Does your organization protect critical infrastructure of the state?	Yes
* How much of your jurisdiction's land use is for agriculture, wildland, open space, or undeveloped properties?	31 %
* What percentage of your jurisdiction's land use is for commercial and industrial purposes?	25 %
* What percentage of your jurisdiction's land is used for residential purposes?	44 %
* How many occupied structures (commercial, industrial, residential, or institutional) in your jurisdiction are more than three stories tall? Do not include structures which are not regularly occupied such as silos, towers, steeples, etc.	4225
* What is the permanent resident population of your <u>Primary/First-Due Response Area or jurisdiction served?</u>	805235
* Do you have a seasonal increase in population? If "Yes" what is your seasonal increase in population?	No
* How many active firefighters does your department have who perform firefighting duties?	1255
* How many members in your department/organization are trained to the level of EMT-I or higher?	1413
Do you have <u>Community Paramedics</u> ?	No
* How many stations are operated by your organization?	43
* Is your department compliant to your local Emergency Management standard for the National Incident Management System (NIMS)?	Yes
* Do you currently report to the National Fire Incident Reporting System (NFIRS)? Note: You will be required to report to NFIRS for the entire period of the grant.	Yes

If you answered yes above, please enter your FDIN/FDID 38005

* What percent of your active firefighters are trained to the level of Firefighter I? 100 %

* What percent of your active firefighters are trained to the level of Firefighter II? 100 %

If you answered less than 100% to either question above, are you requesting for training funds in this application to bring 100% of your firefighters into compliance with NFPA 1001?

If you indicated that less than 100% of your firefighters are trained to the Firefighter II level and you are not asking for training funds to bring everyone to the FF II level in this application! Please describe in the box to the right your training program and your plans to bring your membership up to Firefighter II.

* What services does your organization provide?

Structural Fire Suppression	Emergency Medical Responder	Haz-Mat Operational Level
Wildland Fire Suppression	Basic Life Support	Haz-Mat Technical Level
Airport Rescue Firefighting (ARFF)	Advanced Life Support	Rescue Operational Level
Occasional Fire Prevention Program	Formal/Year-Round Fire Prevention Program	Rescue Technical Level
Maritime operations/Firefighting		

* Please describe your organization and/or community that you serve. We recommend typing your response in a Word Document outside of this application, then copying and pasting it into the written field. There is a 4000 character limit.

SFFD's Organizational Profile and Community Served

With an estimated population of 805,235 within approximately 47.5 square miles, the City and County of San Francisco is ranked the second most densely populated major city in the United States, yielding roughly 16,952 persons/square miles on its resident population alone. The population dramatically increases to 1.4 million on any given day with the influx of commuters and tourists.

Within the SFFD's response area is an array of critical infrastructures including National monuments and famous landmarks, bridges, sports arenas, postal facilities, fuel tanks, water treatment facilities, educational, medical, research, financial, technological industries and home to over 30 international financial institutions. San Francisco is ranked one of the top seven Tier 1 Urban Area Cities and the Port of San Francisco is identified as a Group 1 Port at highest risk for terrorist attack.

The SFFD's 1,413 Firefighting and Emergency Medical personnel are part of the Metropolitan Medical Task Force (MMTF), Urban Search and Rescue (USAR) and Regional Taskforce (RTF) Response for Chemical Biological Radiological Nuclear Explosive (CBRNE). The SFFD, California's Emergency Management Agency (Cal-EMA) and surrounding 8 Bay Area Counties have developed the first Regional Disaster Response Plan for responding to a catastrophic man-made or natural disaster, such as a paralyzing major earthquake or pandemic. In 2012, the SFFD responded to 120,315 calls for service. All SFFD's Firefighters are 100% compliant in NFPA 1001/1002 Standard. A number of SFFD apparatus rank in the top ten in runs per year in the National Run Survey annually completed by Firehouse Magazine.

The SFFD also provides first response aid to the San Francisco Presidio, a former U.S. Military base which consists of 1,480 acres with 800 commercial and residential buildings dating back to 1861, and mutual aid response to 8 surrounding Bay Area counties. The SFFD has been a contributor to the State of California Master Mutual Aid Agreement since its inception in 1950, providing mutual aid to 49 counties within the State of California, as well as parts of southern Oregon and western Nevada. The SFFD also provides water response mutual aid under the same Agreement to Alameda, San Mateo, Contra Costa, Marin, Solano and Sonoma counties.

Fire Department Characteristics (Part II)

	2012	2011	2010
* What is the total number of fire-related civilian fatalities in your jurisdiction over the last three years?	2	2	4
* What is the total number of fire-related civilian injuries in your jurisdiction over the last three years?	60	58	63
* What is the total number of line of duty member fatalities in your jurisdiction over the last three years?	0	2	0
* What is the total number of line of duty member injuries in your jurisdiction over the last three years?	279	268	378
* Over the last three years, what was your organization's average operating budget?		313662741	
* What percentage of your TOTAL budget is dedicated to personnel costs (salary, overtime and fringe benefits)?		91 %	
* What percentage of your annual operating budget is derived from: Enter numbers only, percentages must sum up to 100%			
Taxes?	78 %		
<u>EMS Billing?</u>	9 %		
Grants?	0 %		
Donations?	0 %		
Fund drives?	0 %		
<u>Fee for Service?</u>	4 %		
Other?	9 %		

If you entered a value into Other field (other than 0), please explain Payments from other agencies (Port of San Francisco, San Francisco International Airport) for salary and staffing expenditures.

Does your organization intend to provide a financial match greater than the required amount? No

If yes, how much additional funds is you department/agency willing to contribute? Please fill in the amount in the box to the right. \$

* Please describe your organization's need for Federal financial assistance. We recommend typing your response in a Word Document outside of this application, then copying and pasting it into the written field. There is a 4000 character limit.

The San Francisco Fire Department (SFFD) is requesting much needed financial assistance to upgrade and replace its exhaust extractor systems in its fire stations as part of the AFG Modifications to Facilities Activities, as well as provide all of the training courses required to develop a State and FEMA certified Incident Management Team. Given the recent economic recession, the SFFD has found it extremely difficult to fund needed repairs and upgrades to these systems. Due to a variety of factors including reductions to commercial and residential property tax revenue, State sales tax and Vehicle License Fee revenue reductions, increased unemployment rates as well as reductions in State funding for various programs, the City's general fund has seen a large negative impact to its ability to fund City Departments and programs. At the onset of the most recent budget process, the City of San Francisco was looking at a fiscal year with a projected shortfall of \$129 million for Fiscal Year 2013-14 and a cumulative \$263million for Fiscal Year 2014-15.

Given this fiscal environment, the SFFD has not been able to procure funds for the improvements to facilities or provide critical training. Due to the harsh economic realities of the past few years, the Department has not been able to keep pace with needed capital upgrades, and as a result has over \$350 million in deferred maintenance and repair to its facilities, including the replacement and upgrade of its exhaust extractors. Much of this work has been pushed back repeatedly as funding has dried up. As the City of San Francisco continues to grapple with increasing personnel and benefit costs, requests for increases to capital and other facility line items remain challenging.

The SFFD's Fiscal Year 2013-14 Operating budget is approximately \$332 million, over 70% of which is supported through the City's General Fund. The remaining 30% is funded through State sales tax revenue (13%), EMS Ambulance revenue (10%), Fire Prevention fees (4%), and other fees for services (3%). Of the SFFD's total operating budget, 91%

is for personnel costs, including salaries, overtime, and fringe benefits. That leaves the SFFD with 9% to cover all of the non-personnel costs for the Department, including much needed facility upgrades such as exhaust extractors or provide supplemental training.

* How many vehicles does your organization have in each of the types or class of vehicle listed below? **You must include vehicles that are leased or on long-term loan as well as any vehicles that have been ordered or otherwise currently under contract for purchase or lease by your organization but not yet in your possession.** (Enter numbers only and enter 0 if you do not have any of the vehicles below.)

Type or Class of Vehicle	Number of Front Line Apparatus	Number of Reserve Apparatus	Number of Seated Riding Positions
Engines or Pumpers (pumping capacity of 750 gpm or greater and water capacity of 300 gallons or more): Pumper, Pumper/Tanker, Rescue/Pumper, Foam Pumper, CAFS Pumper, Type I or Type II Engine Urban Interface	43	18	172
Ambulances for transport and/or emergency response	46	0	92
Tankers or Tenders (pumping capacity of less than 750 gallons per minute (gpm) and water capacity of 1,000 gallons or more):	1	0	1
Aerial Apparatus: Aerial Ladder Truck, Telescoping, Articulating, Ladder Towers, Platform, Tiller Ladder Truck, Quint	19	8	95
Brush/Quick attack(pumping capacity of less than 750 gpm and water carrying capacity of at least 300 gallons): Brush Truck, Patrol Unit (Pickup w/ Skid Unit), Quick Attack Unit, Mini-Pumper, Type III Engine, Type IV Engine, Type V Engine, Type VI Engine, Type VII Engine	4	0	8
Rescue Vehicles: Rescue Squad, Rescue (Light, Medium, Heavy), Technical Rescue Vehicle, Hazardous Materials Unit	3	4	12
Additional Vehicles: EMS Chase Vehicle, Air/Light Unit, Rehab Units, Bomb Unit, Technical Support (Command, Operational Support/Supply), Hose Tender, Salvage Truck, ARFF (Aircraft Rescue Firefighting), Command/Mobile Communications Vehicle	26	3	38

Department Call Volume

	2012	2011	2010
* How many responses per year by category? (Enter whole numbers only. If you have no calls for any of the categories, enter 0)			
Structural Fires	2271	2287	2381
False Alarms/Good Intent Calls	16810	16419	16130
Vehicle Fires	246	268	277
Vegetation Fires	110	91	102
EMS-BLS Response Calls	34653	33787	32905
EMS-ALS Response Calls	52283	52604	50423
EMS-BLS Scheduled Transports	0	0	0
EMS-ALS Scheduled Transports	0	0	0

Community Paramedic Response Calls	0	0	0
Vehicle Accidents w/o Extrication	3111	3073	3157
Vehicle Extrications	13	27	23
Other Rescue	621	704	650
Hazardous Condition/Materials Calls	1747	1630	1684
Service Calls	3837	3788	3820
Other Calls and Incidents	4613	4185	3243
Total	120315	118863	114795

* How many responses per year by category? (Enter whole numbers only. If you have no calls for any of the categories, enter 0)

What is the total acreage of all vegetation fires?	0	0	0
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* How many responses per year by category? (Enter whole numbers only. If you have no calls for any of the categories, enter 0)

In a particular year, how many times does your organization receive mutual aid?	0	1	0
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In a particular year, how many times does your organization receive automatic aid?	0	0	0
--	---	---	---

In a particular year, how many times does your organization provide mutual aid?	2	0	1
---	---	---	---

In a particular year, how many times does your organization provide automatic aid?	0	0	0
--	---	---	---

Total Mutual / Automatic Aid (please total the responses from the previous two blocks)	2	1	1
--	---	---	---

Out of the mutual/automatic aid responses, how many were structure fires?	0	0	0
---	---	---	---

Request Information

1. Select a program for which you are applying. If you are interested in applying under both Vehicle Acquisition and Operations and Safety, and/or regional application **you will need to submit separate applications.**

Program Name

Operations and Safety

2. Will this grant benefit more than one organization?

No

3. Enter Grant-writing fee associated with the preparation of this request. Enter 0 if there is no fee.

\$0

* From the requested activities, what is the total dollar amount requested for EMS equipment, supplies, training, etc in the Request Details of this application? If none of the items requested are for fire-based EMS, then enter \$0.	\$ 0
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* 4. If you are filing for a micro grant (\$25,000 federal share) or less please click the radio button and answer "YES". Please remember that your total request will be limited to \$25,000 or less in Federal funds in the Operations and Safety portion only.	N/A
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5. By answering yes to question #4 you are giving up the option to apply under Operations & Safety (Equipment, Modifications to Facilities, Personal Protective Equipment, Training and Wellness & fitness) for more than \$25,000 of Federal funding. Do you agree to this? Do you fully understand this option?	
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Request Details

The activities for program **Operations and Safety** are listed in the table below.

Activity	Number of Entries	Total Cost	Additional Funding
Equipment	0	\$ 0	\$ 0
Modify Facilities	1	\$ 1,517,259	\$ 132,756
Personal Protective Equipment	0	\$ 0	\$ 0
Training	0	\$ 0	\$ 0
Wellness and Fitness Programs	0	\$ 0	\$ 0

* Total Funding for all EMS requested in this application \$0

Grant-writing fee associated with the preparation of this request. \$0

View Operations and Firefighter Safety - Modify Facilities

Modify Facilities Details

1. On what type of modification will the funds be spent?(Add one line-item request per facility being modified)

Please provide further description of the item selected from the drop down list.

Source Capture Exhaust System(s)

The Department is requesting to replace Sole Source Capture Exhaust systems at 37 of fire stations. The current units are outdated and in need of constant repair. The AFG funding will allowing the Department to directly improve the health and safety of members inside the fire house.

Please give us the square footage of the area that your modification will directly affect

2. If you are installing an exhaust system, how many vehicles do you plan on attaching to the system (only include currently owned vehicles or vehicles on order - do not include equipment for future capacity)?

95

3. Does the facility you wish to modify have a drive through bay?

No

4. Number of units:

37 (whole number only)

5. Cost per unit:

41007 (whole dollar amounts only)

6. What is the age of the facility that is being modified?

31 years

7. What type of facility will be modified?

Station(s) with sleeping quarters (to include marine fire facilities)

8. What is the level of occupancy for the facility you wish to modify? Note: The occupancy is defined by the number of hours the facility is used within a single 24 hour time period.

Full-Time(24/7)

Firefighting Modify Facilities - Narrative

* Section # 1 Project Description: In the space provided below include clear and concise details regarding your organization's project's description and budget. This includes providing local statistics to justify the needs of your department and a detailed plan for how your department will implement the proposed project. Further, please describe what you are requesting funding for including budget descriptions of the major budget items, i.e., personnel, equipment, contracts, etc. *3000 characters

The San Francisco Fire Department (SFFD) is requesting funding from the 2013 Assistance to Firefighters Grant Program to modify current fire stations for the purchase and installation of new Sole Source Capture Exhaust Extraction Systems at 37 of the Department's Fire Stations. The Department currently has exhaust extractors installed in its stations and most apparatus bays, but these units were installed in the 1980s and are outdated and over 30 years old. AFG funding will be used to purchase and install new exhaust extractors to replace outdated units, as well as install units in apparatus bays that currently do not have an exhaust extractor installed. This project will have direct benefits to the health and safety of the SFFD's members by helping to reduce exposure to cancer-causing toxins.

Cancer is a very real risk of the occupation of firefighters. A recent study by the U.S. Fire Administration (USFA) and National Institute for Occupational Safety and Health

(NIOSH) provided evidence of a relation between firefighting and cancer, a correlation that has long been believed in the profession. While firefighters are exposed to cancer-causing agents in a variety of situations in the field as a direct result of the occupation, the SFFD is requesting to use 2013 AFG funds to address the issue of toxins encountered in the stations themselves, specifically in exposure to diesel exhaust. As a result of studies, NIOSH considers whole diesel exhaust emissions to be a potential occupational carcinogen. In addition, a study in the New England Journal of Medicine suggests diesel exhaust may also be associated with heart disease. The diesel exhaust in the fire stations is combatted by the use of Vehicle Exhaust Extraction Systems.

SFFD stations are staffed 24 hours a day/7 days a week. As part of its Capital program, the SFFD has done a comprehensive assessment of the exhaust extractors at its stations. Due to the age of the current inventory of extractors, many are in need of an upgrade to reach 100% removal of all vehicle exhaust for the apparatus that are housed at the various fire stations. Many of the SFFD's current extractors are in need of frequent repair due to their age, and the vast majority are outdated from an operational perspective and do not capture 100% of diesel exhaust. Old, outdated exhaust extractors can pose significant problems: allowing exhaust to exist in the apparatus bays; potential for the members' PPE stored in the fire house to be coated with diesel residue; contamination of equipment on the apparatus with diesel exhaust; and the potential for exhaust to move into the living and sleeping quarters of the fire station due to the close proximity of the areas to the apparatus bays.

The SFFD is committed to the health and safety of its members, and by installing new exhaust extractors at its stations, the Department can reduce the risks of one of the proven cancer-causing agents encountered by firefighters.

* Section # 2 Cost/Benefit: In the space provided below please explain, as clearly as possible, what will be the benefits your department or your community will realize if the project described is funded (i.e. anticipated savings and/or efficiencies)? Is there a high benefit for the cost incurred? Are the costs reasonable? Provide justification for the budget items relating to the cost of the requested items. *3000 characters

The major benefit of the exhaust extractors that the Department is requesting with this AFG project proposal is directly to the health and safety of firefighters, specifically their long term health. As discussed in Section 1, cancer is an occupational hazard of firefighting. While members are outfitted with PPE and SCBAs to assist with protection from toxins in their normal fire suppression duties, members become vulnerable to hazard exposure upon their return to the station if diesel exhaust is not properly contained and directed out of the station. Exhaust generated by vehicles in the stations can carry throughout the station and into the living and sleeping quarters, settling on walls, food, equipment, and clothing. While advancements have been made in both the composition of diesel fuels as well as apparatus emission controls to limit exposure to fumes, the issue of diesel exhaust and its corresponding hazardous chemicals is still a very real problem. The continued exposure to diesel fumes can lead to increased risks of cancer in the long term, in addition to a variety of other adverse health effects.

Funding to allow for the purchase and installation of new exhaust extractors will help address the concern of exhaust fumes in the fire house. Due to funding issues, the SFFD has over \$350 million in deferred maintenance and repair on its facilities. As such, the SFFD has been unable to begin the much needed replacement and update of exhaust extractors throughout its facilities. This can have a direct impact on member health and safety. In its 1997 document "Safety and Health Considerations for the Design of Fire and Emergency Medical Services Stations," FEMA states that "exhaust source capture is considered the most reliable means to reduce or eliminate exposure of fire station occupants to diesel exhaust emissions". The SFFD is proposing, at an average cost of \$44,595 per station, the installation of a direct source exhaust extractor at 37 of its fire stations. This cost includes purchase and installation of the extractors. The Department has 43 stations in operation on a daily basis, but with general obligation bond funding from the 2010 Earthquake Safety and Emergency Response bond passed by voters, the Department anticipates being able to address the extractors at six of its stations (1, 5, 12, 16, 35, 36) as part of more comprehensive work planned outside of the Department's budget.

There are minor fiscal benefits to the Department as well as a result of this project. Due to the lack of funding to upgrade and replace these exhaust systems, the Department has seen increased maintenance and repair costs for the current extractors. Operational issues pop up more frequently due to the age and condition of the units. With replacement units funded through this grant, the Department anticipates more efficient equipment from an operational perspective, as well as increased reliability and efficiency from the units.

* Section # 3 Statement of Effect: How would this award affect the daily operations of your department (i.e., describe how frequently the equipment will be used or what the benefits will provide the personnel in your department)? How would this award affect your department's ability to protect lives and property in your community? *3000 characters

SFFD firefighters, along with all firefighters, face a large number of risks on a daily basis. Many of these risks relate to the toxins and other contaminants they encounter as a result of their job duties, including exposure to contaminants at a structure fire, contact with blood-borne and communicable diseases, and the threat of hazardous materials and

other chemical agents from a terrorist event. The SFFD is extremely committed to protecting its members to its best ability from these dangers, and has worked with members to reduce the hazards for which it can control. The SFFD implemented a number of projects over the past few years to assist in reducing this risk in the field—the SFFD has undergone a redesign of its personal protective equipment (PPE) to take advantage of technological improvements, and has also done a complete replacement and upgrade of its Self-Contained Breathing Apparatus (SCBA) units, funded in part by 2011 AFG grant funds. However, the exposure to risk does not cease for firefighters when the members return to the station. Exposure to diesel emissions from apparatus within the station poses a significant risk to firefighters. Members are staffed at fire stations on a 24 hour a day/7 day a week basis, and use the quarters for eating and sleeping as well. Many stations have multiple apparatus assigned there, and some stations house upwards of 15 members daily. The exposure to diesel fumes and emissions is of large concern to the Department.

The SFFD is committed to mitigating this risk of diesel emissions to the fullest extent, and is requesting 2013 AFG funds to do so. The current outdated extractors that the Department has at its stations are in use every day. With the large call volume the Department has, and the large number of incidents that the units respond to annually, the extractors play a critical role in protecting members from dangerous toxins at the Stations. Given that the Department's employees work a 24 hours shift, having a properly functioning extractor is crucial to the health and safety of the members. The Department currently operates 43 Fire Stations on a 24hr/7day basis, with over 290 firefighters on duty daily, using those facilities for work but also for eating and sleeping. The health and safety of members are of utmost importance to the Department, and the AFG grant funds can go a long way to improving conditions at the Fire Stations.

The SFFD has used the AFG program in the past to request funding for projects that directly impact firefighter health and safety in a positive way, and this year's request is no different. The SFFD respectfully submits its request for purchase and installation of new exhaust extractors at 37 of its stations to accomplish this goal and continue with the Department's mission to take an active role in protecting its members.

Budget

Budget Object Class

a. Personnel	\$ 0
b. Fringe Benefits	\$ 0
c. Travel	\$ 0
d. Equipment	\$ 1,517,259
e. Supplies	\$ 0
f. Contractual	\$ 0
g. Construction	\$ 0
h. Other	\$ 0
i. Indirect Charges	\$ 0
j. State Taxes	\$ 132,756
Federal and Applicant Share	
Federal Share	\$ 1,485,014
Applicant Share	\$ 165,001

Federal Rate Sharing (%) 90/10

* Non-Federal Resources (The combined Non-Federal Resources must equal the Applicant Share of \$ 165,001)

- a. Applicant \$ 165,001
- b. State \$ 0
- c. Local \$ 0
- d. Other Sources \$ 0

If you entered a value in Other Sources other than zero (0), include your explanation below. You can use this space to provide information on the project, cost share match, or if you have an indirect cost agreement with a federal agency.

The match will be made up of Department general fund dollars from its annual operating budget.

Total Budget \$ 1,650,015

Narrative Statement

For 2011 and on, the Narrative section of the AFG application has been modified. You will enter individual narratives for the Project Description, Cost-Benefit, Statement of Effect, and Additional Information in the Request Details section for each Activity for which you are requesting funds. Please return to the Request Details section for further instructions. You will address the Financial Need in Applicant Characteristics II section of the application. We recommend that you type each response in a Word Document outside of the grant application and then copy and paste it into the spaces provided within the application.

Assurances and Certifications

FEMA Form SF 424B

You must read and sign these assurances. These documents contain the Federal requirements attached to all Federal grants including the right of the Federal government to review the grant activity. You should read over the documents to become aware of the requirements. The Assurances and Certifications must be read, signed, and submitted as a part of the application.

Note: Fields marked with an * are required.

O.M.B Control Number 4040-0007

Assurances Non-Construction Programs

Note: Certain of these assurances may not be applicable to your project or program. If you have any questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States, and if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. Section 4728-4763) relating to prescribed standards for merit systems for programs funded under one of the nineteen statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. Sections 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. Section 794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. Sections 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Acts of 1968 (42 U.S.C. Section 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Title II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-

- assisted programs. These requirements apply to all interest in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
 9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
 10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
 11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
 12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. Section 1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
 13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).
 14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
 15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. 2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
 16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. Section 4801 et seq.) which prohibits the use of lead based paint in construction or rehabilitation of residence structures.
 17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
 18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations and policies governing this program.

Signed by **Kyle Merkins** on 12/06/2013

Form 20-16C

You must read and sign these assurances.

Certifications Regarding Lobbying, Debarment, Suspension and Other Responsibility Matters and Drug-Free Workplace Requirements.

Note: Fields marked with an * are required.

O.M.B Control Number 1660-0025

Applicants should refer to the regulations cited below to determine the certification to which they are required to attest. Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 44 CFR Part 18, "New Restrictions on Lobbying; and 44 CFR Part 17, "Government-wide Debarment and Suspension (Non-procurement) and Government-wide Requirements for Drug-Free Workplace (Grants)." The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Homeland Security (DHS) determines to award the covered transaction, grant, or cooperative agreement.

1. Lobbying

A. As required by the section 1352, Title 31 of the US Code, and implemented at 44 CFR Part 18 for persons (entering) into a grant or cooperative agreement over \$100,000, as defined at 44CFR Part 18, the applicant certifies that:

(a) No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with the making of any Federal grant, the entering into of any cooperative agreement and extension, continuation, renewal amendment or modification of any Federal grant or cooperative agreement.

(b) If any other funds than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of congress, or an employee of a Member of Congress in connection with this Federal grant or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying Activities", in accordance with its instructions.

(c) The undersigned shall require that the language of this certification be included in the award documents for all the sub awards at all tiers (including sub grants, contracts under grants and cooperative agreements and sub contract(s)) and that all sub recipients shall certify and disclose accordingly.

2. Debarment, Suspension and Other Responsibility Matters (Direct Recipient)

A. As required by Executive Order 12549, Debarment and Suspension, and implemented at 44CFR Part 67, for prospective participants in primary covered transactions, as defined at 44 CFR Part 17, Section 17.510-A, the applicant certifies that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency.

(b) Have not within a three-year period preceding this application been convicted of or had a civilian judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain or perform a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification: and

(d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default; and

B. Where the applicant is unable to certify to any of the statements in this certification, he or she shall attach an explanation to this application.

3. Drug-Free Workplace (Grantees other than individuals)

As required by the Drug-Free Workplace Act of 1988, and implemented at 44CFR Part 17, Subpart F, for grantees, as defined at 44 CFR part 17, Sections 17.615 and 17.620:

(A) The applicant certifies that it will continue to provide a drug-free workplace by:

(a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;

(b) Establishing an on-going drug free awareness program to inform employees about:

(1) The dangers of drug abuse in the workplace;

(2) The grantee's policy of maintaining a drug-free workplace;

(3) Any available drug counseling, rehabilitation and employee assistance programs; and

(4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;

(c) Making it a requirement that each employee to be engaged in the performance of the grant to be given a copy of the statement required by paragraph (a);

(d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will:

(1) Abide by the terms of the statement and

(2) Notify the employee in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction.

(e) Notifying the agency, in writing within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to the applicable DHS awarding office, i.e. regional office or DHS office.

(f) Taking one of the following actions, against such an employee, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted:

(1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or

(2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement or other appropriate agency.

(g) Making a good faith effort to continue to maintain a drug free workplace through implementation of paragraphs (a), (b), (c), (d), (e), and (f).

(B) The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance

Street

City

State

Zip

Action

If your place of performance is different from the physical address provided by you in the Applicant Information, press *Add Place of Performance* button above to ensure that the correct place of performance has been specified. You can add multiple addresses by repeating this process multiple times.

Section 17.630 of the regulations provide that a grantee that is a State may elect to make one certification in each Federal fiscal year. A copy of which should be included with each application for DHS funding. States and State agencies may elect to use a Statewide certification.

Signed by **Kyle Merkins** on 12/06/2013

FEMA Standard Form LLL

Only complete if applying for a grant for more than \$100,000 and have lobbying activities. See Form 20-16C for lobbying activities definition.

Submit Application

Application 100% complete, Submitted

Please click on any of the following links to visit a particular section of your application. Once all areas of your application are complete, you may submit your application.

Application Area	Status
Overview	Complete
Contact Information	Complete
Applicant Information	Complete
Applicant Characteristics (I)	Complete
Applicant Characteristics (II)	Complete
Department Call Volume	Complete
Request Information	Complete
Request Details	Complete
Budget	Complete
Assurances and Certifications	Complete

PLEASE READ THE FOLLOWING STATEMENTS BEFORE YOU SUBMIT.

- **YOU WILL NOT BE ALLOWED TO EDIT THIS APPLICATION ONCE IT HAS BEEN SUBMITTED.** If you are not yet ready to submit this application, save it, and log out until you feel that you have no more changes.
- When you submit this application, you, as an authorized representative of the organization applying for this grant, are certifying that the following statements are true:

To the best of my knowledge and belief, all data submitted in this application are true and correct.

This application has been duly authorized by the governing body of the applicant and the applicant will comply to the Assurances and Certifications if assistance is awarded.

To sign your application, check the box below and enter your password in the space provided. To submit your application, click the Submit Application button below to officially submit your application to FEMA.

Note: The primary contact will be responsible for signing and submitting the application. Fields marked with an * are required.

I, Kyle Merkins, am hereby providing my signature for this application as of 06-Dec-2013.