

Entire Application

Applicant's Acknowledgements

- * I certify the DUNS number in this application is our only DUNS number and we have confirmed it is active in SAM.gov as the correct number.
- * As required per 2 CFR § 25, I certify that prior to submission of this application I have checked the DUNS number listed in this application against the SAM.gov website and it is valid and active at time of submission.
- * I certify that the applicant organization has consulted the appropriate Notice of Funding Opportunity and that all requested activities are programmatically allowable, technically feasible and can be completed within the award's one (1) year Period of Performance (POP).
- * I certify that the applicant organization is aware that this application period is open from 10/11 to 11/18/2016 and will close at 5 PM EST; further that the applicant organization is aware that once an application is submitted, even if the application period is still open, a submitted application cannot be changed or released back to the applicant for modification.
- * I certify that the applicant organization is aware that it is solely the applicant organization's responsibility to ensure that all activities funded by this award(s) comply with Federal Environmental planning and Historic Preservation (EHP) regulations, laws, and Executive Orders as applicable. The EHP Screening Form designed to initiate and facilitate the EHP Review is available at: http://www.fema.gov/media-library-data/1431970163011-80ce3cd907072a91295b1627c56d8fd2/gpd_ehp_screening_form_51815.pdf
- * I certify that the applicant organization is aware that the applicant organization is ultimately responsible for the accuracy of all application information submitted. Regardless of the applicant's intent, the submission of information that is false or misleading may result in actions by FEMA that include, but are not limited to: the submitted application not being considered for award, an existing award being locked pending investigation, or referral to the Office of the Inspector General.

Signed by **Mark Corso** on **2016-11-03 23:08:51.0**

Overview

* **Did you attend one of the workshops conducted by an AFG regional fire program specialist?**

No, I have not attended workshop

* **Did you participate in a webinar that was conducted by AFG?**

No

* **Are you a member, or are you currently involved in the management, of the fire department or nonaffiliated 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 department officer or member of the organization who will see this grant through completion, including closeout. 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	Deputy Director
Prefix (select one)	N/A
* First Name	Mark
Middle Initial	
* Last Name	Corso

* Primary Phone	415-558-3417	Ext.	Type work
* Secondary Phone	415-558-3401	Ext.	Type home
Optional Phone			Type
Fax	415-558-3455		
* Email	mark.corso@sfgov.org		

Contact Information

Alternate Contact Information Number 1

* Title	Assistant Deputy Chief		
Prefix (select one)	N/A		
* First Name	Shane		
Middle Initial			
* Last Name	Francisco		
* Primary Phone	415-558-3680	Ext.	Type work
* Secondary Phone	415-558-3400	Ext.	Type cell
Optional Phone			Type
Fax			
* Email	shane.francisco@sfgov.org		

Alternate Contact Information Number 2

* Title	Deputy Chief		
Prefix (select one)	N/A		
* First Name	Raemona		
Middle Initial			
* Last Name	Williams		
* Primary Phone	415-558-3411	Ext.	Type work
* Secondary Phone	415-558-3258	Ext.	Type cell
Optional Phone			Type
Fax			
* Email	raemona.williams@sfgov.org		

Applicant Information

EMW-2016-FO-06447

Originally submitted on 11/18/2016 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-2016-FO-06447

* Organization Name

San Francisco Fire Department

* Type of Applicant

Fire Department/Fire District

* **Fire Department/District, nonaffiliated EMS, and Regional applicants**, select type of Jurisdiction Served :

Other (explain)

If "Other", please enter the type of Jurisdiction

City and County

SAM.gov (System For Award Management)* What is the legal name of your Entity as it appears in [SAM.gov](#)?Note: This information must match your [SAM.gov](#) profile if your organization is using the DUNS number of your Jurisdiction.

San Francisco Fire Department

* What is the legal business address of your Entity as it appears in [SAM.gov](#)?Note: This information must match your [SAM.gov](#) profile if your organization is using the DUNS number of your Jurisdiction.

* Mailing Address 1

698 Second Street

Mailing Address 2

* City

San Francisco

* State

California

* Zip

94107 - 2015

[Need help for ZIP+4?](#)* [Employer Identification Number](#) (e.g. 12-3456789)Note: This information must match your [SAM.gov](#) profile.

94-6000417

* Is your organization using the DUNS number of your Jurisdiction?

Yes

I certify that my organization is authorized to use the DUNS number of my Jurisdiction provided in this application. (Required if you selected Yes above) * What is your 9 digit [DUNS number](#)?

033428819

(call 1-866-705-5711 to get a DUNS number)

If you were issued a 4 digit number (DUNS plus 4) by your Jurisdiction in addition to your 9 digit number please enter it here.

Note: This is only required if you are using your Jurisdiction's DUNS number and have a separate bank account from your Jurisdiction. Leave the field blank if you are using your Jurisdiction's bank account or have your own [DUNS number](#) and bank account separate from your Jurisdiction.* Is your [DUNS Number](#) registered in [SAM.gov](#) (System for Award Management previously CCR.gov)?

Yes

* I certify that my organization/entity is registered and active at [SAM.gov](#) 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 [SAM.gov](#) record. **Headquarters or Main Station Physical Address**

* Physical Address 1

698 Second Street

Physical Address 2

* City San Francisco
 * State California
 * Zip 94107 - 2015
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Mailing Address

* Mailing Address 1 698 Second Street
 Mailing Address 2
 * City San Francisco
 * State California
 * Zip 94107 - 2015
[Need help for ZIP+4?](#)

Bank Account Information

* The bank account being used is: (Please select one from right)

Maintained by my Jurisdiction

Note: The following banking 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, will your organization expend more than \$750,000 in Federal funds during your organization's fiscal year? If "Yes", your organization will be required to undergo an A-133 audit. Reasonable costs incurred for an A-133 audit are an eligible expenditure and should be included in the applicant's proposed budget. Please enter audit costs only once under any "Additional Funding" in the "Request Details" section of the application.

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 awarded, the Department will expend more than \$750,000 due to the fact that the Department's application requests a Federal amount greater than \$750,000 itself. The Department has received a number of Federal awards that will be expended during its fiscal year. These funds predominately come in the form of Federal grants. The Department was allocated funding in the 2014 Assistance to Fire Fighters grant that will be expended in the fiscal year. The Department was also the recipient of an 2014 and 2015 SAFER grant. In addition, the Department has received a number of Homeland Security (UASI) grant awards as well as a Port Security grant award that will push the Department's Federal allocation past the threshold.

Fire Department/Fire District Department Characteristics (Part I)

* Is this application being submitted on behalf of a Federal Fire Department or organization contracted by the Federal government which is solely responsible for the suppression of fires on Federal property?

No

* What kind of organization do you represent?

All Paid/Career

If you answered "Combination", above, how many career members in your organization? (whole numbers only)

If you answered "Volunteer" or "Combination" or "Paid on-call", how many of your volunteer Firefighters are paid members from another career department? (whole numbers only)

* What type of community does your organization serve?

Urban

* Is your Organization considered a Metro Department? (Over 350 paid career Firefighters)

Yes

- * What is the square mileage of your first-due response area? (whole number only) 48
- * What percentage of your response area is protected by hydrants? (whole number only) 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
- * Does your organization protect critical infrastructure? Yes

If "Yes", please describe the critical infrastructure protected below:

San Francisco is home to a variety of critical infrastructure, both for the City itself, but also for State, National, and International interests. Within the San Francisco Fire Department (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, under bay fuel transmission lines, power and energy infrastructure, educational, medical, research, financial, technological industries and home to over 30 international financial institutions. The SFFD services a major international airport, and is home to a regional Federal Reserve Bank. 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. San Francisco makes up a large component of the Bay Area Rapid Transit (BART) system, which has an underwater Transbay railway tube serving over 400,000 commuters each week. The City is also a large hub for a variety of other regional transit systems that service the rest of the Bay Area and the State of California, such as Cal Train and the Bay Ferry System, which will transport 6.5 million riders per year.

- * What percentage of your primary response area is for agriculture, wildland, open space, or undeveloped properties? 31 %
- * What percentage of your primary response area is for commercial and industrial purposes? 25 %
- * What percentage of your primary response area is used for residential purposes? 44 %
- * What is the permanent resident population of your [Primary/First-Due Response Area or jurisdiction served](#)? (whole numbers only) 852469

- * Do you have a seasonal increase in population? No

If "Yes" what is your seasonal increase in population?

- * How many active firefighters does your department have who perform firefighting duties? (whole numbers only) 1333
- * How many members in your department/organization are trained to the level of EMR or EMT, Advanced EMT or Paramedic? (whole numbers only) 1698

Does your department have a [Community Paramedic](#) program? Yes

How many personnel are trained to the [Community Paramedic](#) level? (whole numbers only) 2

- * How many stations are operated by your organization? (whole numbers only) 44
- * 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. AFG does not require NFIRS reporting for Nonaffiliated EMS Organizations and State Fire Training Academy. Yes

If you answered "Yes" above, please enter your [FDIN/FDID](#) 38005

- * How many of your active firefighters are trained to the level of Firefighter I (or equivalent)? (whole numbers only) 1333
- * How many of your active firefighters are trained to the level of Firefighter II (or equivalent)? (whole numbers only, include all personnel who have attained Firefighter I) 1333

Are you requesting 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 Firefighter II level in this application, please describe in the box below your training program and your plans to bring your membership up to Firefighter II.

• What services does your organization provide?

Advanced Life Support	Emergency Medical Responder	Rescue Operational Level
Airport Rescue Firefighting (ARFF)	Haz-Mat Operational Level	Rescue Technical Level
Basic Life Support	Haz-Mat Technical Level	Structural Fire Suppression
Community Paramedic	Maritime Operations/Firefighting	Wildland Fire Suppression

• Please describe your organization and/or community that you serve.

The City and County of San Francisco has an extremely diverse, multi-national population of 864,816, a 7% increase from 2010, comprising 49 square miles, with 29 miles of coastline. It is ranked as the second most densely populated major city in the United States, yielding roughly 18,451 persons/square mile with its resident population alone. In 2015, 18 million tourists visited San Francisco and with hundreds of thousands of commuters entering the City every day, the average daily population swells to over 1.5 million during the week. The city, surrounded by water on 3 sides, has two major bridges, the Golden Gate Bridge and the Bay Bridge, and together these two bridges will see 83 million vehicles per year. Within the SFFD's response area is an array of critical infrastructures including: an International Airport, National monuments, famous landmarks, sports arenas, postal facilities, fuel tanks, water treatment facilities, educational (129 schools, 27 colleges/universities), medical (14 hospitals), biotech-research, technological industries, the Pacific Stock Exchange and home to over 30 financial institutions, including a Federal Reserve. San Francisco is ranked as one of the top seven Tier 1 Urban Area Cities and the Port of San Francisco, which has ferry and cruise ship terminals, is identified as a Group 1 Port at highest risk for terrorist attack. The cruise ship terminal will see 80 cruise ship port calls per year.

San Francisco is experiencing a commercial boom with new high rises currently under construction that will add to the existing inventory of high rises. In addition, two major construction projects are underway in San Francisco, for its version of the "Big Dig". The central subway/underground is under construction with a 1.7-mile extension that will provide underground rail access to additional neighborhoods. Secondly, a new Transbay Transit Center will replace the old train/bus station, extend the current train line, and accommodate California's new high speed rail project.

The SFFD's approximately 1,600 Firefighting and Emergency Medical personnel are part of the Metropolitan Medical Response System (MMRS), Urban Search and Rescue (USAR), and Regional Task Force (RTF) response for Chemical, Biological, Radiological Nuclear, Explosive (CBRNE) incidents. The SFFD, the California Office of Emergency Services (Cal-OES), and the surrounding eight 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 2015, the SFFD responded to over 135,000 calls for service. All SFFD Firefighters are 100% compliant in NFPA 1001/1002 Standards. For 2015, Firehouse Magazine ranked the SFFD's Engine 3 as the busiest Engine in the country with 10,853 runs and Truck 3 also ranked as the 3rd busiest Ladder Truck with 5,246 runs. The City has approximately 380,971 housing units; 67% of those units are multi-unit structures. With 14,000 Victorian houses, much of the City's housing stock is old and primarily constructed of wood; 50% of the City's residential housing was built before 1940 and 25% was built between 1940 and 1959. SFFD responds to this community with 44 Engines and 20 Trucks divided into two Divisions, with ten Battalion Districts. Specialty units of the SFFD include: 2 Heavy Rescue Squads, 2 Coastal Rescue units (Cliff & Surf), 1 Rescue Boat, 2 Rescue Water Craft, 3 Fireboats, a Mobile Command Vehicle, 2 Multi-Casualty Units, a Hazardous Materials Unit, a CO2 unit, and a Mobile Air Unit.

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, as well as parts of southern Oregon and western Nevada. The SFFD also provides water response mutual aid under the same agreement to the Counties of Alameda, San Mateo, Contra Costa, Marin, Solano and Sonoma Counties.

Fire Department Characteristics (Part II)

	2015	2014	2013
• What is the total number of fire-related civilian fatalities in your jurisdiction over the last three calendar years?	5	7	7
• What is the total number of fire-related civilian injuries in your jurisdiction over the last three calendar years?	30	59	45
• What is the total number of line of duty member fatalities in your jurisdiction over the last three calendar years?	0	0	0
• What is the total number of line of duty member injuries in your jurisdiction over the last three calendar years?	537	525	527
• Over the last three years, what was your organization's operating budget?	360061089		
• How much of your TOTAL budget is dedicated to personnel costs (salary, overtime and fringe benefits)?	316918779		

Does your department have any rainy day reserves, emergency funds, or capital outlay? No

If yes, what is the total amount currently set aside?

• What percentage of your annual operating budget is derived from:	2015	2014	2013
Enter numbers only, percentages must sum up to 100%			
Taxes?	86 %	87 %	87 %
Bond Issues?	0 %	0 %	0 %
EMS Billing?	9 %	9 %	9 %
Grants?	0 %	0 %	0 %

Donations?	0 %	0 %	0 %
Fund drives?	0 %	0 %	0 %
Fee for Service?	5 %	4 %	4 %

* Applicants should describe their financial need and how consistent it is with the intent of the AFG Program. This statement should include details describing the applicant's financial distress, including summarizing budget constraints, unsuccessful attempts to obtain vehicle and outside funding, and proving the trouble is out of their control.

The San Francisco Fire Department (SFFD) is requesting much needed financial assistance to purchase new and replacement equipment for its members, specifically thermal imaging cameras for its engines and trucks, as well as personal protective equipment in the form of turnout coats and pants. In addition, the SFFD is requesting resources to support its behavioral health efforts.

Given years of economic difficulties in the City over the past decade, the SFFD has found it extremely difficult to fund needed projects for equipment and health resources. Even given the overall health of the San Francisco economy in recent years, the City's general fund has seen a large negative impact to its ability to fund City Departments and programs due to expenditure growth outpacing revenue growth. At the onset of the current budget process, the City of San Francisco is looking at a fiscal year with a projected shortfall of approximately \$125 million for Fiscal Year 2017-18 and \$275 million for Fiscal Year 2018-19. Without major changes, the City is looking at a budget deficit of approximately \$850 million in FY2021-22.

Given this fiscal environment, the SFFD has been unable to procure operating funds for the purchase of this critical front-line equipment or health resources. As the City of San Francisco attempts to grapple with structural issues such as rising personnel and benefit costs, the City's economic outlook presents many challenges for a Department such as the SFFD that relies on support from the City's general fund to make up its operating budget. While still amid a healthy local economy, the City's economic growth factors have slowed considerably, while projected personnel costs are anticipated to grow at accelerated rates, resulting in a larger and larger deficit. The City, like many other jurisdictions, is dealing with a large future pension obligation along with rising health benefit costs for its employees. With these constraints, requests for increases to non-personnel items (such as equipment) remain challenging.

The SFFD's Fiscal Year 2016-17 Operating budget is approximately \$375 million, 75% of which is supported through the City's General Fund. The remaining 25% is funded through State sales tax revenue (13%), EMS Ambulance revenue (8%), Fire Prevention fees (3%), and other fees for services (1%). Of the SFFD's total operating budget, 92% is for personnel costs, including salaries, overtime, and fringe benefits. That leaves the SFFD with 8% to cover all the non-personnel costs for the Department, such as the projects requested as part of this grant proposal.

During Fiscal Year 2016-17 budget process, the Department has been requested to reduce its general fund support by 1.5%. This was in addition to previous reductions over the past fiscal years, and is anticipated to increase in the upcoming FY2017-18 budget process. The Department is prepared for the potential of mid-year cuts on the horizon in the current year given current projections as well as the impacts of the local, State and national elections.

While fortunate to not have laid off any members during the most recent economic downturn, the Department was unable to properly fund infrastructure needs, including equipment, training, and contract services. The Department has requested funding for equipment in its annual operating budget request for the past few years, but funding that was allocated has been designated to begin to address an aging fleet that has not been refreshed in years. The Department has not been able to secure funding to replace the substantial number of equipment units that are aged and outdated, both from an operational as well as technological perspective, nor has it been able to purchase new equipment.

*** How many vehicles does your organization have in each type 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	44	16	176
Ambulances for transport and/or emergency response:	54	0	108
Tankers or Tenders (pumping capacity of less than 750 gallons per minute (gpm) and water capacity of 1,000 gallons or more):	1	1	2
Aerial Apparatus: Aerial Ladder Truck, Telescoping, Articulating, Ladder Towers, Platform, Tiller Ladder Truck, Quint	20	5	100
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	5	2	20
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	5	38

Fire Department Call Volume

2015

2014

2013

* **Summary** of responses per year by category (Enter whole number only. If you have no calls for any of the categories, Enter 0)

Fire - NFIRS Series 100	4210	5055	4432
Overpressure Rupture, Explosion, Overheat (No Fire) - NFIRS Series 200	124	125	109
Rescue & Emergency Medical Service Incident - NFIRS Series 300	107527	96876	93996
Hazardous Condition (No Fire) - NFIRS Series 400	1564	1611	1768
Service Call - NFIRS Series 500	5861	5223	4425
Good Intent Call - NFIRS Series 600	1822	1656	2252
False Alarm & False Call - NFIRS Series 700	13903	13814	13870
Severe Weather & Natural Disaster - NFIRS Series 800	28	45	6
Special Incident Type - NFIRS Series 900	276	261	428

FIRES

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

Of the NFIRS Series 100 calls, how many are "Structure Fire" (NFIRS Codes 111-120)	1317	1351	2158
Of the NFIRS Series 100 calls, how many are "Vehicle Fire" (NFIRS Codes 130-138)	313	286	235
Of the NFIRS Series 100 calls, how many are "Vegetation Fire" (NFIRS Codes 140-143)	126	93	127
What is the total acreage of all vegetation fires?	0	0	0

RESCUE AND EMERGENCY MEDICAL SERVICE INCIDENTS

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

Of the NFIRS Series 300 calls, how many are "Motor Vehicle Accidents" (NFIRS Codes 322-324)	2775	2100	3051
Of the NFIRS Series 300 calls, how many are "Extrications from Vehicles" (NFIRS Code 352)	56	46	27
Of the NFIRS Series 300 calls, how many are "Rescues" (NFIRS Codes 300, 351, 353-381)	103518	93738	89514
How many EMS-BLS Response Calls	54138	47642	47137
How many EMS-ALS Response Calls	53389	49234	46859
How many EMS-BLS Scheduled Transports	0	0	0
How many EMS-ALS Scheduled Transports	0	0	0
How many Community Paramedic Response Calls	0	0	0

MUTUAL AND AUTOMATIC AID

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

How many times did your organization receive Mutual Aid?	13	10	3
How many times did your organization receive Automatic Aid?	2	16	0
How many times did your organization provide Mutual Aid?	5	18	0
How many times did your organization provide Automatic Aid?	10	64	0
Of the Mutual and Automatic Aid responses, how many were structure fires?	2	5	2

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

* 4. Are you requesting a Micro Grant?
A Micro Grant is limited to \$25,000 Federal share. Modification to Facilities activity is ineligible for Micro Grants.

No

Request Details

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

Activity	Number of Entries	Total Cost	Additional Funding
Equipment	1	\$ 621,000	\$ 54,338
Modify Facilities	0	\$ 0	\$ 0
Personal Protective Equipment	2	\$ 1,294,223	\$ 113,246
Training	0	\$ 0	\$ 0
Wellness and Fitness Programs	1	\$ 365,309	\$ 0

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

\$0

Equipment

Equipment Details

1. What equipment will your organization purchase with this grant?

Thermal Imaging Camera (Must be NFPA 1801 Compliant)

* Please provide a detailed description of the item selected above.

Purchase of new thermal imaging cameras (TICs) to replace existing units over ten years old on Department Truck companies and purchase new units to outfit Department engines with TICs.

2. Number of units: (whole number only)

69

3. Cost per unit: (whole dollar amounts only; this amount should reflect any volume discounts, rebates, etc.)

\$ 9000

4. Generally the equipment purchased under this grant program will:

Replace obsolete or damaged equipment that can no longer meet the applicable standards

If you selected "Replace obsolete or damaged equipment" (from Q4) above, please specify the age of equipment in years. 11

5. Will the equipment being requested bring the organization into voluntary compliance with a national standard, e.g. compliance with NFPA, OSHA, etc?
In your Narrative Statement, please explain how this equipment will bring the organization into voluntary compliance.

No

6. Is your department trained in the proper use of the equipment being requested?

Yes

7. Are you requesting funding to be trained for these item(s)? (Funding for requested training should be requested in the Equipment Additional Funding section).(Under the Action column select Update Additional Funding)

No

8. If you are not requesting training funds through this application, will you obtain training for this equipment through other sources?

Yes

Firefighting Equipment - Additional Funding (optional unless you're applying for Training funds)

[Budget Object Class Definitions](#)

Additional Funding

a. Personnel	Help	\$ 0
b. Fringe Benefits	Help	\$ 0
c. Travel	Help	\$ 0
d. Equipment	Help	\$ 0
e. Supplies	Help	\$ 0
f. Contractual	Help	\$ 0
g. Construction	Help	\$ 0
h. Other	Help	\$ 0
i. Indirect Charges	Help	\$ 0
j. State Taxes	Help	\$ 54338

Explanation

California/San Francisco Sales tax rate of 8.75%

Firefighting Equipment - 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. ***4000 characters**

The San Francisco Fire Department (SFFD) is requesting AFG funding to purchase much needed equipment to support its mission. The SFFD proposes to replace outdated thermal imaging cameras on all of its aerial ladder trucks and rescue squads (25 units). These units are over ten years old and are both obsolete as well as in need of constant repair due to the frequency and intensity of use and their age. In addition, the Department is also requesting funding to purchase 44 new thermal imaging cameras (TICs) for all of its front-line engine units which do not have TICs at all, enhancing those units' response capabilities.

The Department's request is for \$675,338 (\$9,000/each before tax of 8.75%) to purchase 69 NFPA 1801-compliant Thermal Imaging Cameras to replace outdated units on its aerial ladder trucks and rescue squads as well as for deployment to all 44 Fire Engines. Currently, the SFFD does not have TICs on any Engines, as they are only deployed on its Trucks, Battalion Chiefs and specialty units. The goal is to improve operational efficiency by increasing tools available to first responders. As Engines are typically arriving on-scene first, TICs can help Engine company Firefighters assess the scene and search for victims, fire, flow path of heated air, or fire extension, and can even help crew leaders maintain Firefighter accountability. Of the City's residential homes, 67% are multi-unit, multi-floor and multi-family units. If a Truck Officer takes the TIC to the roof, there is only one interior TIC for multiple companies, floors and units. Quotes were obtained from two vendors which were nearly identical. If funding was awarded and a specific brand of TIC was purchased, specific training to that brand would be conducted through our in-service Battalion based training module program.

The SFFD has done an informal needs assessment of equipment, and has identified thermal imaging cameras as being of high priority, both for replacement of obsolete units as well as the deployment of thermal imagers on engines (which is a new capability for our engines). Given the increased challenges faced by the Department, along with annual increases in call volume, the Department must ensure that its members have the tools required to do their jobs. The SFFD believes the equipment in this proposal would greatly benefit the operations of the Department by increasing Firefighter safety and enhancing our current mission of saving lives and property in San Francisco.

All funding requested would be allocated for the purchase of equipment. The SFFD anticipates completing the project within the performance period's one-year timeframe. The project would consist of a competitive bidding procurement process for the equipment, and then once the equipment was received, an initial training session prior to deployment of the equipment for the engine crews. On-going training would then be incorporated into the Department's training curriculum.

*** 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. ***4000 characters**

The SFFD has identified the replacement of and the deployment of Thermal Imaging Cameras (TICs) as a high priority for its field operations and commitment to its mission statement. An AFG award for these items would be of great benefit to the Department, both in the arena of fulfilling its mission to protect the lives and property of the residents and visitors of the City of San Francisco, but also to improving the safety of Department members in their duties as first responders.

The incorporation of TICs into the regular operations of fire departments has been one of the best advances in firefighting equipment that the profession has seen in its recent history. The use of TICs in Department operations has a clear number of benefits, as there are a number of uses for these pieces of equipment in everyday operations. The TICs serve as a crucial tool in thousands of calls for service per year, including any potential fire or search and rescue incident. TICs allow crews to look and search for fire victims in environments with extremely limited visibility. In addition, crews use these cameras to search for fire locations or hot spots from a safe distance. TICs are used in any number of rescues and search missions for patients. For example, due to the geographic characteristics of San Francisco, the Department responds to a number of cliff and water rescues. In these situations, visibility may be very limited, especially at night. By using TICs, crews can identify victims by the heat they are giving off and locate them more quickly. In addition to improving response to incidents, TICs can be used to directly assist in firefighter safety. TICs can aid crews in the search for a downed firefighter, through darkness, smoke and other barriers to visibility.

The Department has 25 TICs in its inventory (assigned to truck companies and specialty units) that exceed the 10-year operational life. By replacing these outdated and obsolete TICs, the Department will be able to upgrade the technologic capabilities of newer NFPA 1801-compliant TIC units while at the same time saving money by eliminating many of the repairs the Department must undertake as a result of having an old inventory of TICs. When compared to older units that the Department is trying to replace, newer TIC technology provides firefighters with much improved image resolution that increases contrast on the scene and provides improved interpretation of the image by the firefighter. Newer units can also operate at higher temperatures for longer periods of time. The Department has seen older units past their useful life fail due to engine core failure, resulting in high repair costs.

If awarded funding for these projects, the Department would be able to replace all Truck TICs at the same time and place new, first time purchases of TICs on the Engines. This is a benefit for the Department, as it would lend itself to consistency, both in the type of equipment being used as well as the training for those units. An award would allow the SFFD to purchase the latest rescue tools and TICs and the real winners, of course, would be to the visitors and residents of San Francisco.

*** Section # 3 Statement of Effect:** How would this award impact the daily operations of your department? How would this award impact your department's ability to protect lives and property in your community? ***4000 characters**

Funding the SFFD's proposal of Thermal Imaging Cameras (TICs), will allow the SFFD to make a significant investment in firefighter equipment, replacing 25 outdated cameras that are older than 10 years on its truck and specialty units while enhancing the capabilities of its engine companies by providing them with the additional tool of a thermal imager. If awarded, all Engine companies will be able to utilize a TIC to search for downed Firefighters, victims, to locate fire and/or flow path, to check for extension or hidden fire, or possibly check vehicles for ejected passengers. If TICs were on all Engines, Firefighters will become more familiar with their use and their knowledge will increase as well. The practical use of TICs will become more widespread into daily operations. Engine companies currently do not have TICs, and are generally the first on-scene at an incident. By not having TICs on Engine companies, the Department is not able to take advantage of this tremendous technology to assist with our operations, increase Firefighter safety, and our ability to conduct rescues.

The deployment of TICs to all Department Engines would be an enhancement to benefit the Department's operations. TICs are a very important tool currently only used on our Truck companies and specialty units, allowing for heightened search capabilities for victims, other Firefighters, or fire locations. In our City of 14,000 Victorian homes made of mostly wood and plaster wall construction, TICs can be an extremely valuable tool in searching for hidden fire or fire extension, not to mention the search capabilities of saving lives. TICs will enhance our current mission, have a direct impact on Firefighter safety, and help us save civilian lives in the process. Deployment of TICs to Fire Engines would benefit the Incident Commander and crews on scene, by providing multiple TICs to be used at an incident as well as increasing the flexibility with the manner in which the TICs can be deployed at a scene, helping develop a plan of attack at an incident.

There are real life examples of how TICs can potentially save lives in the course of fighting fires. In a review on firefighter fatalities suffered by the Houston Fire Department, the National Institute of Occupational Safety and Health (NIOSH) reinforced the important role that the training and use of a thermal imager can play in responding to an incident. At a structure fire, the thermal imager may help identify the location of the fire or the extent of fire involvement prior to fire fighters being deployed into a structure, stated NIOSH. Currently, the Department does not have this capability, as its crews that generally arrive first on scene, its engines, are not currently equipped with TICs. The Department believes that an investment in these units for its engines would be of great potential benefit to firefighter safety.

AFG funding for these projects will directly increase the operational safety for the Firefighters of San Francisco and the citizens we serve. The SFFD, with the proposed equipment, will be able to conduct searches for victims and fires more efficiently and safely. The requested funding will increase Firefighter safety, improve fire ground and emergency scene operations and, therefore, provide a better chance for victims to be rescued while also reducing Firefighter injuries.

The City and County of San Francisco and the San Francisco Fire Department would like to thank the Peer Review Committee for their time and consideration of this application.

Personal Protective Equipment

Personal Protective Equipment Details

1. Select the PPE that you propose to acquire (select one): Coats

Please provide a detailed description of the item selected above.

Purchase of new sets of turnout coats for Department members to replace outdated coats that are over ten years old.

2. Number of units: (whole number only)

703

3. Cost per unit: (whole dollar amounts only; this amount should reflect any volume discounts, rebates, etc.)

\$1068

4. Please provide your amount for the appropriate question below:

1423

- For turnout requests, what number of your on-duty active members **currently have** PPE that meets applicable NFPA and OSHA standards?
- If you are requesting new SCBA, how many of your seated riding positions **currently have** compliant SCBA assigned to it?
- If you are asking for specialized PPE (e.g., Haz-Mat), how many applicable members **currently have** specialized PPE that meets established standards?

5. What is the purpose of this request?

To replace obsolete/damaged PPE/SCBA (it must be a minimum of 10 years or older and two NFPA cycles)

6. Is your organization facing a new risk?

Yes, increase in call volume

What are the specific ages of the type of PPE you are requesting?

Please assure that you've accounted for ALL gear for ALL members declared in Department Characteristics - not just the gear you wish to replace. If you have 30 members then account for 30 sets of PPE.

Age (in Years)	Current Inventory	Being Replaced
Less than 1	50	0
1	144	0
2	446	0
3	294	0
4	265	0
5	319	0
6	312	0
7	99	0
8	87	0
9	402	402
10	61	61
11	132	132
12	12	12
13	18	18
14	23	23
15	55	55
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25 or more	0	0
Number of members without PPE	0	0

If you have indicated you are requesting SCBA or Cylinders in Question 1, to which edition(s) of the NFPA 1981 standard are your SCBA or Cylinders compliant? If not requesting SCBA/Cylinders, please select "N/A" and continue on to the next question. **Please account for ALL SCBA/Cylinders currently in your department's inventory - not just the SCBA/Cylinders you wish to replace. If you have damaged or inoperable SCBA/Cylinders/Face Pieces please list them in the "Obsolete/Damaged" section.**

N/A

Year	Current Inventory		Being Replaced	
	SCBA	Cylinders	SCBA	Cylinders
2013 Edition				
2007 Edition				
2002 Edition and older				
Obsolete/damaged				

7. Is your department trained in the proper use of the PPE/SCBA being requested?

Yes

8. Are you requesting funding for training for this PPE/SCBA?

No

9. If you are not requesting training funds through this application, will you obtain training for this PPE/SCBA through other sources?

Yes

Personal Protective Equipment

Personal Protective Equipment Details

1. Select the PPE that you propose to acquire (select one):

Pants

Please provide a detailed description of the item selected above.

Purchase turnout pants for Department members to replace units that are over 10 years of age

2. Number of units: (whole number only)

703

3. Cost per unit: (whole dollar amounts only; this amount should reflect any volume discounts, rebates, etc.)

\$773

4. Please provide your amount for the appropriate question below:

1423

- For turnout requests, what number of your on-duty active members **currently have** PPE that meets applicable NFPA and OSHA standards?
- If you are requesting new SCBA, how many of your seated riding positions **currently have** compliant SCBA assigned to it?
- If you are asking for specialized PPE (e.g., Haz-Mat), how many applicable members **currently have** specialized PPE that meets established standards?

5. What is the purpose of this request?

To replace obsolete/damaged PPE/SCBA (it must be a minimum of 10 years or older and two NFPA cycles)

6. Is your organization facing a new risk?

Yes, increase in call volume

What are the specific ages of the type of PPE you are requesting?

Please assure that you've accounted for ALL gear for ALL members declared in Department Characteristics - not just the gear you wish to replace. If you have 30 members then account for 30 sets of PPE.

Age (in Years)	Current Inventory	Being Replaced
Less than 1	50	0
1	144	0
2	446	0
3	294	0
4	265	0
5	319	0
6	312	0
7	99	0
8	87	0
9	402	402
10	61	61
11	132	132
12	12	12
13	18	18
14	23	23
15	55	55
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25 or more	0	0
Number of members without PPE	0	0

If you have indicated you are requesting SCBA or Cylinders in Question 1, to which edition(s) of the NFPA 1981 standard are your SCBA or Cylinders compliant? If not requesting SCBA/Cylinders, please select "N/A" and continue on to the next question. **Please account for ALL SCBA/Cylinders currently in your department's inventory - not just the SCBA/Cylinders you wish to replace. If you have damaged or inoperable SCBA/Cylinders/Face Pieces please list them in the "Obsolete/Damaged" section.**

N/A

Year	Current Inventory		Being Replaced	
	SCBA	Cylinders	SCBA	Cylinders
2013 Edition				
2007 Edition				
2002 Edition and older				
Obsolete/damaged				

7. Is your department trained in the proper use of the PPE/SCBA being requested?

Yes

8. Are you requesting funding for training for this PPE/SCBA?

No

9. If you are not requesting training funds through this application, will you obtain training for this PPE/SCBA through other sources?

Yes

Firefighting PPE - Additional Funding (optional unless you're applying for Training funds)

[Budget Object Class Definitions](#)

Additional Funding

a. Personnel	Help	\$ 0
b. Fringe Benefits	Help	\$ 0
c. Travel	Help	\$ 0
d. Equipment	Help	\$ 0
e. Supplies	Help	\$ 0
f. Contractual	Help	\$ 0
g. Construction	Help	\$ 0
h. Other	Help	\$ 0
i. Indirect Charges	Help	\$ 0
j. State Taxes	Help	\$ 113246

Explanation

Sales tax paid at the current rate of 8.75%

Firefighting PPE - 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. ***4000 characters**

The San Francisco Fire Department (SFFD) is requesting AFG funding to purchase much-needed personal protective equipment (PPE) to replace obsolete sets of turnout coats and pants. The SFFD believes the personal protective equipment proposed in this application will have positive benefits for firefighter safety and will continue the Department's recent efforts to improve its PPE program.

The SFFD is seeking \$1,407,483 (\$1,841/per set before 8.75% sales tax) for new PPE (703 turnout coats and pants) to replace old sets past the NFPA recommended useful life that the Department has not otherwise been able to replace due to financial constraints. All uniform firefighting personnel are assigned turnout coats and pants upon hire at the Department. These coats and pants are crucial to the protection of members at a fire scene, given the harmful toxins members are exposed to. NFPA 1851 requires that structural turnout gear be retired after either it is no longer able to pass an NFPA 1851 advanced inspection or after ten years from date of manufacture. As of 2017, the Department will have 1,406 pieces of PPE (coats and pants) that will be past ten years of age since they were manufactured.

Cancer in the firefighting profession continues to be a hazard that firefighters are confronted with throughout the profession. Working with the San Francisco Firefighters Cancer Prevention Foundation, the Department is always looking to minimize and reduce exposure of members to harmful toxins that exist in the firefighting environment as a result of the nature of the job. In recent years, the Department had undergone several initiatives to improve firefighter safety related to the use of PPE, to try and limit as much as possible the carcinogens that members are exposed to over time. In 2012, the Department implemented General Order 12-A55, which was its "Personal Protective Equipment Cleaning and Maintenance Program". This program was designed to improve the condition and management of its PPE inventory as well as offer more opportunities for a safe working environment to reduce hazards that members are exposed to. As part of this program, the Department implemented a PPE cleaning, repair and inventory program with a vendor, where the vendor regularly collects PPE for cleaning, inspection, testing, and repair if necessary. All pieces of PPE are barcoded and attached to member's profile in a database, so that the service and performance history of the garment can be tracked and maintained. The Department has worked with a consultant to analyze the specification for new turnout coats and pants, to ensure members are getting the safest and best turnouts to help them do their job. These efforts have resulted in a new term contract for turnouts.

This project currently being proposed is also in alignment with a previous AFG project awarded to the Department. In the FY2010 Assistance to Firefighters Grant award, the Department purchased seven heavy-duty wash extractors for station. In addition, the Department purchased seven heavy duty washer extractors that were installed at Department stations. This allowed crews at the Stations to wash their own PPE after an incident, and not wait to send out their sets to the contracted vendor. Since that time of the FY10 award, the Department has procured units for all of the Department's remaining stations, which are currently in the process of being installed. When completed, the Department will have these washer extractors installed at all fire stations.

The SFFD anticipates completing the project within the performance period's one-year timeframe. The project would consist of procuring the requested units, based on the updated turnout specifications that have recently been developed. Once delivered, the units are then barcoded and entered into the Department's database. Training on the proper use and cleaning of the PPE is incorporated into the Department's training curriculum.

*** 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. ***4000 characters**

The SFFD has identified the replacement of outdated turnout coats and pants as a high priority for its field operations and commitment to its mission

statement. An AFG award for these items would be of great benefit to the Department towards improving the health and safety of Department members in their duties as first responders.

The Department's current turnout inventory is aging quickly, as the Department has not had sufficient funding to be able to replace all outdated units per the NFPA guidelines. Currently, over 11% (601 pieces) of the Department's turnout coat and pants pieces (5,434 pieces) are past ten years since their date of manufacture. Without any replacement, the Department will see that number rise to over 25% of its total inventory in 2017 (1,406 pieces) by the time of a potential award.

There are several benefits for the Department and its members as a result of replacing outdated PPE with new sets of coats and pants. By purchasing new turnout pieces, the Department would be upgrading its outdated pieces with new pieces that have incorporated improvements in materials for turnouts and in addition have benefitted from the implementation of new safety requirements in recent years. In addition, there would be savings on repair costs for the old units, as many of the older sets are in need of repair more frequently than new sets would be.

The cost of turnout coats and pants is a significant financial investment in the health and safety of Department members, albeit a necessary and crucial one. In addition, the investment in employees is of extreme importance. In order to protect these investments, proper care, maintenance and replacement of turnout coats and pants is essential. A dirty set of turnouts used to be viewed as a source of pride for firefighters. However, given the knowledge and awareness of the dangers of carcinogens and other toxins that firefighters are exposed to on an everyday basis as part of their job duties, the proper care and cleaning of turnouts is crucial to minimize risk as much as possible.

In recent years, the City has been allocated funding for the purchase of PPE in its annual budget. However, given the relatively small percentage of the Department's budget that is not allocated to personnel and benefits, this funding has not been sufficient to enact a full replacement plan for outdated sets of turnouts. In the past two fiscal years, the Department has hired approximately 200 new firefighters, with an additional 150 scheduled to be hired by the end of FY17-18. This has replenished Department firefighting staff after years of no hiring due to budget constraints, but has also meant that any funding allocated to the purchase of PPE has gone to outfit new hires, leaving the need of replacing coats and pants of current members that are over 10 years old to compound annually.

The result of the Department's recent project to develop specification for turnout coats and pants was a term contract for these PPE pieces. The prices listed in the budget represent the result of that bid process, and are reasonable based on the bids received.

*** Section # 3 Statement of Effect: How would this award impact the daily operations of your department? How would this award impact your department's ability to protect lives and property in your community? *4000 characters**

This AFG award for funds to purchase replacement PPE coats and pants will allow the SFFD to replace outdated turnout coats and pants. These new units are required to support the Department's recent initiatives to improve its PPE program. These units would be used by front line personnel as their primary protection against the elements of a fire incident.

The turnout coats and pants are one of the most crucial pieces of equipment a firefighter can have as part of their job and responsibilities. These turnout coats and pants will be used daily by Department members. These garments shelter the firefighter from the harsh effects of a fire environment, directly protecting their lives. However, as a result of this protection, these garments also collect toxins and contaminants that can severely impact the health of the member from both short term and, more importantly, long-term exposure to these carcinogens. It is crucial that the Department support the cleaning, maintenance, repair and replacement of these units when appropriate and in line with NFPA recommended standards. With its recent programs, the Department has ramped up its efforts surrounding the cleaning, maintenance and repair of turnout coats and pants. However, due to financial constraints, the Department has been unable to address the final component, replacement. As a result, the Department is requesting Federal assistance to replace outdated sets of turnouts.

These new coats and pants will improve firefighter safety by offering the latest advancements in materials and NFPA requirements. These new units, in conjunction with the Department's PPE Cleaning and maintenance program, will go a long way to protecting the long-term health of the men and women of the Department by reducing the exposure to toxins in the firefighting environment.

The City and County of San Francisco and the San Francisco Fire Department would like to thank the Peer Review Committee for their time and consideration of this application.

Fire Department/Fire District Wellness and Fitness

Program Area
The activities below are Priority 1

- Initial Physical Exam
- Job Related Immunization Program
- Periodic Physical Exam/Health Screening

Does your organization currently offer this activity?	Are you requesting funding for this activity in this application?	Will this activity be mandatory?	Will this activity be offered to all members?
#Yes	#No	#Yes	#Yes
#Yes	# No	# No	#Yes
#Yes	#No	#No	# Yes

- * Behavioral Health NFPA 1500 or equivalent

Behavioral health programs are described in NFPA 1500 chapter 11. If you have any questions call the AFG help desk at 866-274-0960.

#No	#Yes	#No	#Yes
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Budget Item - Behavioral Health NFPA 1500 or equivalent

- * Item (select one) Behavioral Health NFPA 1500 or equivalent
- * Please provide a detailed description of the item selected above. Three separate items make up this project - funding for salary and benefits of one peer counselor (\$176,309), funding for Critical Incident Response Team training (\$30,000), professional coaching session for peer counselor (\$14,000) and mental health insurance (\$145,000)
- * Select Object Class Other
- If you selected other above, please specify Combination of Salary/Benefits, Training and Contractual
- * Number of units: (whole number only) 1
- * Cost per unit: (whole dollar amounts only; this amount should reflect any volume discounts, rebates, etc.) \$ 365309

Firefighting Wellness and Fitness Programs - 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. *4000 characters

The San Francisco Fire Department (SFFD) is requesting \$365,309 for a Priority 1 Behavioral Health Program & Critical Incident Stress Management Program (CISM). This project has three components that we are seeking funding for: 1) \$176,309 to fund one firefighter/Peer Counselor (salary & benefits) to be a trainee, handle overflow cases, and for succession planning (of our 2 peer counselors, one will retire soon and one will promote); 2) \$44,000 to fund training, education and certification for 40 SFFD members to develop a Critical Incident Response Team (CIRT), and \$14,000 for an accredited professional coaching certification for 1 peer counselor; and 3) \$145,000 for an independent Mental Health contract to provide up to 12 visits per year with a mental health professional for responders and their families.

Currently, the SFFD's Stress Unit is staffed by two firefighters working 24/7 (per union MOU) that serve as peer counselors for 1700 members, plus retirees. These two peer counselors easily handle 60-80 cases each, with many of those cases requiring attention for years. Meanwhile, new cases keep coming in, steadily increasing the case load. For example, the Unit is still handling firefighters that were affected by two Line of Duty Deaths at the Berkeley Way Fire 5 years ago and the Asiana Airlines Flight crash at SF International Airport 3 years ago. The Stress Unit is currently dealing with 200 active open cases, including suicide threats. This workload is unsustainable. They continue to work through their days off, family time, and vacations. Only through their own selflessness and desire to help our brothers and sisters in distress do they continue to provide lifesaving intervention. This project will put a system in place to deal with the increasing demands and provide appropriate and advanced mental health care for our members and their families. The Stress Unit responds and provides support for incidents with injuries to firefighters/EMS personnel, to the scene of critical incidents, and to any firefighter, retiree or family member requesting assistance for alcohol/drug/tobacco addiction issues, financial, family relationships, Post-Traumatic Stress Disorder (PTSD), cancer, depression and even threats of suicide. When there are critical incidents, the Stress Unit provides debriefing for all members involved and follows up with the members as needed.

Under the AFG Wellness and Fitness Category, the requesting agency must offer or plan to offer all four of the following Priority 1 activities. 1) The SFFD does have mandatory initial medical exams for new hires which are conducted by the SFFD's Department Physician. 2) The Physician's office also offers voluntary work-related immunizations for Hepatitis A & B, Influenza, and Pertussis for all employees. 3) The SFFD has a contract with a private vendor to offer annual medical & fitness evaluations called "Health Check", which provides a full physical health screening. The fourth activity, Behavioral Health, is where the SFFD seeks AFG funding to establish a CISM/CIRT Program that will follow the best practices outlined in NFPA 1500 Chapter 12 and by the IAFF/IAFC document on Developing Critical Incident Stress Management Programs. The first component, a mental health contract, will provide referral options for our CIRT counselors and provide our members with appropriate professional clinicians trained in the specific area of need. CIRT members will work on various shifts in all parts of the city and be able to respond as needed. With a performance period of 1 year, these funds will serve to jumpstart our CISM/CIRT program. The SFFD will be on its way and committed to supporting the mental health of its members and their families. Funding this project will provide our CISM program with 5 aspects: assessment & referral, short term counseling, family outreach, trauma debriefing & critical incident stress debriefing, and, lastly, provide after-care & follow-up.

* **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. *4000 characters

The most important resource for an agency is its employees, who serve as the basis and foundation of any organization. The larger an agency is, the more the individual potentially becomes less visible or lost in the system. It's our duty to identify and address the needs of the members and to always be alert to the signs & symptoms of a member in distress. This project will realize a significant cost savings in lost work time, overtime, worker's compensation & disability. Benefits to the department include: decreased absenteeism, decreased physical ailments, increases in morale, improved decision making from reduced stress, reduction of poor coping strategies (e.g., substance abuse), longer retention of qualified personnel, and a reduction of psychological problems. The benefits in terms of "Human Cost", are immeasurable.

The first component of this project will fund a Stress Unit trainee, \$176,309 for salary & benefits for 1 year. The 2 current peer counselors will either retire or promote in the next 2 years and to date, there is nobody trained to replace them. If we can hire a peer counselor to serve as a trainee for 1 year, we can train this person under the tutelage of experienced counselors, allowing the trainee to handle overflow with oversight and guidance from an experienced counselor, providing a proper transition & succession plan. This will free up time for the Stress Unit to train & develop a cadre of 40 members to begin a Critical Incident Response Team Program. Waiting to fill 2 vacancies at the same time with no transition period will be detrimental to

the Stress Unit's success, which is due to the ability of the counselors to develop rapport and trust, a skill which takes time, commitment and experience to convey, and only moments to lose. Members in distress must learn that they can trust the peer counselor and they themselves can be trusted. Replacing two counselors at the same time, without time for a trainee will lose members' confidence in the Stress Unit, which will be detrimental to those seeking and needing assistance. We may lose them forever, destroying families and our work force. AFG Funds are needed to accomplish this, as the SFFD does not have the authorization and funding to staff this position for one year. Funding this one-year position will greatly enhance the Stress Unit's succession and provide time for the CIRT Program development. After 1 year, this position will transition into one of the permanent peer counselor spots.

The second component of this project will provide the training, education and certification for 40 SFFD members to be developed as a Critical Incident Response Team (CIRT). \$44,000 will pay for two classes of 20 people, \$15,000 per class and \$14,000 for an accredited professional coaching certification course for one peer counselor. With a CIRT Program, we will be able to reach out to more members on a consistent basis, respond quicker to members' needs, provide better follow-up, and allow our two full time Stress Unit peer counselors to focus on the most serious cases that require a higher level of skills.

The third component (\$145,000) will fund an independent mental health care contract that specifically targets first responders. The goal of this contract is to provide free professional mental health clinicians for up to 12 visits a year for all employees of the SFFD and their families. This will also provide an appropriate professional clinician for critical incident debriefings when needed. These clinicians will be vetted by the SFFD Stress Unit for "cultural competency", meaning that they understand the culture that first responders work and live in. This contracted service will be a resource for the Stress Unit/CIRT to provide referrals to an appropriate professional clinician for the specific area needed. The SFFD members and their families will also be able to use this service on their own without the referral of the CIRT or Stress Unit.

* **Section # 3** Statement of Effect: How would this award impact the daily operations of your department? How would this award impact your department's ability to protect lives and property in your community? *4000 characters

The community will see benefits which include a healthier, a more cohesive and compassionate emergency Fire and EMS workforce. Responders will be better focused and able to make better on-scene decisions due to reduced stress. A comprehensive approach to CISM will benefit the families of first responders by lessening the adverse effects on the responders, and by providing direct support to the family as needed. It reduces the family's feelings of helplessness. It allows responders to be safe and more effective by dealing with stressors that can potentially bring down individuals, their families and other co-workers. A CISM program can provide second chance management options by identifying fair, equitable, positive & non-punitive resources and realistic solutions designed to return a member in distress back into a positive and productive member of the department, their family and the community. It will provide the Stress Unit and CIRT with initial recommendations and referrals for employees who are experiencing emotional issues which are or have the potential to impact job performance. It addresses issues in a preventative phase to reduce medical expenses and support employees before issues become critical. The CIRT Program as a Stress Unit force multiplier will be able to evaluate the necessary level of care required to address presenting issues and determine the most suitable clinical setting.

Nationally, firefighters are being recognized for an increase in job related PTSD that is on par with rates seen in the U.S. Military. The changing of the fire culture from "staying quiet" about a problem to one of "reaching out" for assistance is a slow paradigm change nationally. The need for education and peers that have successfully overcome PTSD, addiction and stress related to field experience is urgently needed on a national level to meet the responder's needs of today. Emergency responders committing suicide has reached an urgent level and needs to be addressed with the strongest support available.

In summary, a relatively small investment of \$365,309 will allow a peer counselor trainee to properly transition into the SFFD Stress Unit, provide succession continuity, decrease workload, provide the ability to create a CISM/CIRT Program, and provide contracted, professional mental health clinicians that will benefit hundreds of responders and their families. This project will establish a system to identify a member in distress, provide trusted peer counseling, connect that member with the best resources and actually get them back to a healthy state. This benefits the Department, the individual employee and their families, and in turn, allows our healthy work force to provide a high level of service to the community. It is the goal of our CISM/CIRT Program to minimize the emotional impact of critical incidents on emergency responders, to increase firefighter's resistance and resilience to this type of stress, to prevent the harmful effects of critical incidents, and to prevent the chronic effects of PTSD.

The San Francisco Fire Department would like to thank the Peer Review Panel for their time and consideration for this worthwhile project that will not only benefit the SFFD and its members, but will save an unknown number of emergency responders lives, due to stressors that haven't even happened yet.

Budget

Budget Object Class

a. Personnel	\$ 0
b. Fringe Benefits	\$ 0
c. Travel	\$ 0
d. Equipment	\$ 1,915,223
e. Supplies	\$ 0
f. Contractual	\$ 0
g. Construction	\$ 0
h. Other	\$ 365,309

i. Indirect Charges	\$ 0
j. State Taxes	\$ 167,584
Federal and Applicant Share	
Federal Share	\$ 2,225,560
Applicant Share	\$ 222,556
Applicant Share of Award (%)	10

* [Non-Federal Resources](#) (The combined Non-Federal Resources must equal the Applicant Share of \$ 222,556)

a. Applicant	\$ 222,556
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.

Total Budget **\$ 2,448,116**

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 **Mark Corso** on **11/18/2016**

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 grantees 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 **Mark Corso** on 11/18/2016

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
Applicant's Acknowledgements	Complete
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, Mark Corso, am hereby providing my signature for this application as of 18-Nov-2016.