

1 appropriated to the Fire Department in the Operating Grant Fund 265 for Fiscal
2 Year 2018.

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Mayor Timothy M. Keller

CITY OF ALBUQUERQUE
Albuquerque, New Mexico
Office of the Mayor

INTER-OFFICE MEMORANDUM

April 05, 2018

TO: Ken Sanchez, President, City Council

FROM: Timothy M. Keller, Mayor *TK*

SUBJECT: APPROVING THE AWARD FOR THE FY2017 ASSISTANCE TO
FIREFIGHTERS GRANT

The Federal Emergency Management Agency (FEMA) and the Department of Homeland Security (DHS) has awarded the Albuquerque Fire Department a grant in the amount of \$987,980. A local match totaling \$89,816 is available from the General Fund (110) to support this grant.

This funding will be used to purchase NO SMOKE systems and self-contained breathing apparatus. Also, to fund a clinical program facilitator and equipment for the wellness and fitness program.

This resolution is forwarded to the Council for consideration and action.


Legislation Title: FY2017 ASSISTANCE TO FIREFIGHTERS GRANT

Recommended:



Sarita Nair 4/12/18
Chief Administrative Officer Date

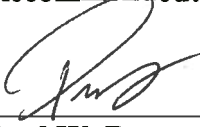
Approved as to Legal Form:



Esteban A. Aguilar Jr. 4-16-18 Date
City Attorney

NHB 4/13/18

Recommended:



Paul W. Dow 4/10/18
Fire Chief Date

Cover Analysis

1. What is it?

Resolution approving an agreement for FY2017 Assistance to Firefighters Grant with the Federal Emergency Management Agency (FEMA) and the Department of Homeland Security (DHS) and providing an appropriation.

2. What will this piece of legislation do?

This legislation approves an agreement for federal funding to purchase Automated External Defibrillators to meet medical needs in the field.

3. Why is this project needed?

This funding will be used to purchase NO SMOKE systems and self-contained breathing apparatus. Also, to fund a clinical program facilitator and equipment for the wellness and fitness program.

4. How much will it cost and what is the funding source?

The FY2017 Assistance to Firefighters grant is \$987,980 with \$898,164 in federal funds and requires a cash match of \$89,816 which are available in the General Fund (110).

5. Is there a revenue source associated with this contract? If so, what level of income is projected?

\$898,164- in Federal Funds.

Entire Application

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
AFG Application (General Questions and Narrative)

OMB No.: 1660-0054

Expiration Date: August, 31 2019

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this data collection is estimated to average 9 hours per response for FEMA Form 080-0-2 "AFG Application (General Questions and Narrative)". The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting this form. This collection of information is required to obtain or retain benefits. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW., Washington, DC 20472-3100, Paperwork Reduction Project (1660-0054) NOTE: Do not send your completed form to this address.

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 12/26/2017 to 02/02/2018 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 **Martin D Salazar** on 2018-02-02 04:00:38.0

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	Captain
Prefix (select one)	N/A
* First Name	Martin
Middle Initial	D
* Last Name	Salazar
* Primary Phone	505-934-8731 Ext. Type work
* Secondary Phone	505-228-6491 Ext. Type cell
Optional Phone	Type
Fax	505-768-9340
* Email	mdsalazar@cabq.gov

FEMA Form 080-0-2

Contact Information

Alternate Contact Information Number 1

* Title	Fire Chief
Prefix (select one)	N/A
* First Name	Paul
Middle Initial	
* Last Name	Dow
* Primary Phone	505-934-8717 Ext. Type cell

* Secondary Phone 505-768-9307 Ext. Type work
 Optional Phone Type
 Fax 505-768-9340
 * Email pdow@cabq.gov

Alternate Contact Information Number 2

* Title Assistant Fire Chief
 Prefix (select one) N/A
 * First Name Sean
 Middle Initial
 * Last Name Frazier
 * Primary Phone 505-768-1900 Ext. Type work
 * Secondary Phone 505-362-0878 Ext. Type cell
 Optional Phone Type
 Fax 505-768-9340
 * Email sfrazier@cabq.gov

FEMA Form 080-0-2

Applicant Information

EMW-2017-FO-05399

Originally submitted on 02/02/2018 by Martin Salazar (Userid: AFDFire)

Contact Information:

Address: 11500 Sunset Gardens S.W.

City: Albuquerque

State: New Mexico

Zip: 87121

Day Phone: 5052286491

Evening Phone:

Cell Phone: 5059348731

Email: gsaint@cabq.gov

Application number is EMW-2017-FO-05399

* Organization Name

Albuquerque Fire Department

* Type of Applicant

Fire Department/Fire District

* **Fire Department/District, Non-Affiliated EMS, and Regional applicants**, select type of Jurisdiction Served :
If "Other", please enter the type of Jurisdiction

City

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. Albuquerque 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

11500 Sunset Gardens SW

Mailing Address 2

* City

Albuquerque

* State

New Mexico

* Zip

87121 - 7748
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* Employer Identification Number (e.g. 12-3456789)

Note: This information must match your SAM.gov profile.

85-6000102

* 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?

835523911

(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

11500 Sunset Gardens S.W.

Physical Address 2

* City

Albuquerque

* State

New Mexico

* Zip

87121 - 7758
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Mailing Address

* Mailing Address 1

11500 Sunset Gardens S.W.

Mailing Address 2

* City

Albuquerque

* State

New Mexico

* Zip

87121 - 7758
Need help for ZIP+4?

Bank Account Information

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

107000327

* **Your account number**

0109677682

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

* 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:

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)

189

* 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?

Bernalillo

* Does your organization protect critical infrastructure?

Yes

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

Albuquerque Fire Department (AFD) currently responds to structural fire, wildland/urban interface, EMS, and hazardous materials events in the city and surrounding areas. Agreements are in place for mutual and/or automatic aid with the smaller county fire department that surrounds Albuquerque, as well as with departments in the mid-Rio Grande region, including four tribal pueblo jurisdictions. Community threats that AFD is charged with protecting include government and private services such as waste disposal, water treatment and distribution, and public utilities, including both energy and telecommunications, are considered critical assets for the continued operation of public and private sector services. While interruption of these services may occur briefly during an emergency, the protracted interruption of these services may degrade the community's ability to respond to specific emergency incidents and may cause localized incidents to escalate into community-wide disasters.

Specific critical infrastructure includes two major interstate highways that cross through the city, and a major railway which serves as a primary commercial and public transportation artery; it runs through the heart of the city in north-south directions. Radioactive waste continues to be transported along interstate roadways to the WIPP storage site in southeastern New Mexico. High hazard occupancies include Sandia National Laboratories - located at the southeastern edge of the city, along with Kirtland Air Force Base; a large international airport - NM's largest commercial airport, which serves more than six million travelers per year; and a large petroleum storage tank farm that lies directly under the busiest, west-east airport flight paths. Numerous chemical plants and hazardous materials plants are located within the city, as are two small nuclear reaction facilities. The San Juan/Chama water project, which provides drinking water for the city and surrounding areas. Albuquerque is also home to the only level one trauma center in the state.

Also considered critical are the city's cultural and academic institutions. The University of New Mexico and the Central New Mexico Community College attend to the educational needs of more than 50,000 students. Both are located within the city, along with the UNM Stadium and Arena (The Pit). The National Hispanic Cultural Center is a 15,000 square foot facility with auditoriums used for musical, theatrical, educational, and political events. The New Mexico State Fairgrounds, located in the center of the city, attracts almost a half-million visitors. The annual International Balloon Fiesta sees more than 1,000,000 visitors during its nine-day run each October.

* What percentage of your primary response area is for agriculture, wildland, open space, or undeveloped properties?

30 %

* What percentage of your primary response area is for commercial and industrial purposes?

20 %

* What percentage of your primary response area is used for residential purposes? 50 %

* What is the permanent resident population of your Primary/First-Due Response Area or jurisdiction served? (whole numbers only) 559277

* Do you have a seasonal increase in population? Yes

If "Yes" what is your seasonal increase in population? 1000000

* How many active firefighters does your department have who perform firefighting duties? (whole numbers only) 646

* How many members in your department/organization are trained to the level of EMR or EMT, Advanced EMT or Paramedic? (whole numbers only) 646

Does your department have a Community Paramedic program? No

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

* How many stations are operated by your organization? (whole numbers only) 22

* 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 01007

* How many of your active firefighters are trained to the level of Firefighter I (or equivalent)? (whole numbers only) 646

* 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) 646

Are you requesting training funds in this application to bring 100% of your firefighters into compliance with NFPA 1001? No

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	Haz-Mat Operational Level	Rescue Operational Level
Basic Life Support	Haz-Mat Technical Level	Rescue Technical Level
		Structural Fire Suppression
		Wildland Fire Suppression

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

The Albuquerque Fire Department (AFD) is a paid, all-risk-capable, municipal department serving a jurisdiction of more than 188 square miles and a greater metro population of close to a million residents (according to 2016 Census projections). As the State's largest and busiest fire department, AFD maintains 22 strategically-located fire stations throughout the city, housing 58 frontline fire apparatus - staffed by 646 uniformed firefighters, about 243 of whom are EMT-I or nationally licensed paramedics, with the balance being EMT-basics. Our staffing has decreased by 8% or 44 firefighters in the last year.

In addition to providing an all-hazards-capable response to New Mexico's largest urban area, AFD is also responsible, by mutual aid response agreements, for response to any major event within a fifty-mile radius of the city - on Pueblo, County, or State jurisdictions. AFD has the only full time Hazardous materials, Heavy Technical Rescue, and wildland teams that are used throughout the State, through state-wide contracts. We routinely commit dozens of sworn personnel to help fight wildland fires throughout New Mexico and the country during the summer months. Albuquerque is the largest city in New Mexico, and represents almost a quarter of the state's total population. Located just northwest of the State's geographic center, about fifty miles south of Santa Fe (the state's capitol), in the fifth largest state in the Union, Albuquerque is home to an estimated 559,277 - with the metro area at more than 909,000 (according to 2016 estimates). It is ranked as the 32nd most populous city in America, and the 59th most populous metropolitan area - with a metropolitan area population of almost a million.

Albuquerque is considered both a destination city and a convention city, hosting hundreds of conventions a year. Albuquerque is home to Kirtland Air Force Base and Sandia National Laboratories. The University of New Mexico and the Central New Mexico Community College - both located near the City's center - attend to the educational needs of more than 50,000 students. The UNM campus (home to AFD's Fire Station #3) also maintains the states only level one medical hospital, medical school, law school, nursing school, business school, and paramedic school. The Department's call volume for 2017s was 106,908 and in 2015 it was 94,328 - an increase of 12,580 (or 11.8%) over a 2 year span. This translates to an increase of about 34 calls per day with 44 less Firefighters than in 2015. As the largest city north of the US/Mexico border, the FBI has long considered the area to be one of the top targets for potential terrorist activity in the country. According to NM's Department of Homeland Security, the Joint Terrorism Taskforce, and the FBI's Anti-terrorism program have identified and tracked defined terrorist activity within the state. They are also aware of narco-cartel and extremist connections within the state.

In 2015, the Insurance Services Office (ISO) recognized AFD as a Class-1 municipal fire department.

FEMA Form 080-0-2

Fire Department Characteristics (Part II)

	2016	2015	2014
* What is the total number of fire-related civilian fatalities in your jurisdiction over the last three calendar years?	1	4	1
* What is the total number of fire-related civilian injuries in your jurisdiction over the last three calendar years?	5	15	4
* 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?	56	60	52
*Over the last three years, what was your organization's operating budget?	73000000		
* How much of your TOTAL budget is dedicated to personnel costs (salary, overtime and fringe benefits)?	92		
Does your department have any rainy day reserves, emergency funds, or capital outlay?	Yes		
If Yes, what is the total amount currently set aside?	638384		
If Yes, describe the planned purpose of this fund	Albuquerque Fire Departments emergency reserve funds (Rainy Day) are utilized to help ensure emergency services continue for the citizens of Albuquerque when large scale incidents or natural disasters occur. The funds are utilized for addition staffing and emergency purchases during such events.		

* What percentage of your annual operating budget is derived from:
 Enter numbers only, percentages must sum up to 100%

	2016	2015	2014
Taxes?	91 %	91 %	91 %
Bond Issues?	7 %	7 %	7 %
EMS Billing?	0 %	0 %	0 %
Grants?	1 %	1 %	1 %
Donations?	0 %	0 %	0 %
Fund drives?	0 %	0 %	0 %
Fee for Service?	1 %	1 %	1 %

* 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.

While Albuquerque was one of the fastest-growing metros at the beginning of the millennium - growing by 22% between 2000 and 2010, it saw zero net growth in 2017. As a consequence, municipal revenues have been stagnant. Compounding that issue is the fact that Albuquerque has been slow to recover from the recession of 2009. The state has so far bucked the generally-improving national jobs trend by posting only a slight increase in unemployment. According to a report from the Brookings Institution, the metro area remains bogged down in a sluggish to nonexistent recovery. Albuquerque's unemployment rate was unchanged from a year ago at 7.5 percent, and job growth remains negative for the year. While growth continues in the construction industry, it is slower than was seen last spring. Albuquerque had a brief recovery in early 2013, but has since been losing jobs. The slow-moving economy has put many behind on mortgage payments, resulting in a foreclosure rate of 1 in every 1939, as reported by RealtyTrac. The area also posted a 2.3% decline in housing prices over the past year. Since the City's general funds are primarily reliant upon tax revenues, those economic drivers directly translate to a decrease in gross receipts and other tax revenue, and subsequent City funding of Department needs.

The Albuquerque metro area remains in the midst of a double-dip recession, ranking last among the nation's largest 100 metro areas in terms of its recovery from the recession (according to the Brookings Institution). Moody's Analytics shows the area still in a moderating recession. After conducting an intensive financial need assessment, AFD determined the AFG to be a necessity for this fiscal year's operational needs. As with all municipal departments within the City, AFD is funded primarily through gross receipts taxes. The poor economic climate has resulted in a steady and progressive reduction of this income - again compounded by the fact that New Mexico is also suffering from falling oil prices and subsequent tax revenues. This has resulted in decreases in State augmentation funds for the Department, and decreases in Homeland Security funding. Funds not appropriated to operational needs or personnel costs are insufficient to meet pending Departmental needs.

While 2017 is ending with a moderate increase in job growth for New Mexico, unemployment is still at 6.1% - higher than the national rate of 4.1%, and the state has the third highest unemployment rate in the nation as of November 2017.

In spite of Albuquerque's zero net growth, AFD has seen an increase in call volume - up 11.8% in only the last two years. Total calls dispatched for 2017 increased to 106,908 - an increase of 12,580 calls, or about 34 calls per day, over 2015. In the past year, the budget has only increased by less than 1%, while both operating and personnel expenses increased. The coming year promises to be another fiscally challenging one for AFD, as we continue to juggle expenses. For example, at the end of FY17, AFD was \$3,030,624 over its appropriated overtime budget, which rolls over into consecutive months and is covered by creating a deficit in other budgetary line items (generally Operations). For 2017, the department's General Fund appropriation was \$73,779,000, of which \$68,090,181 is allocated to salaries and benefits - leaving only \$5,688,819 for routine operational expenditures.

After expending a full 92% of our operational budget to personnel costs, we are left with minimal funds for fire apparatus fuels and maintenance, maintain facilities, replace apparatus, purchase medical equipment, and other fire service necessities. Any funds remaining are - by statute - reverted to the City's General Fund. Acquisition of our grant request, without federal financial assistance, is highly unlikely.

* 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	22	5	108
Ambulances for transport and/or emergency response:	20	5	50
Tankers or Tenders (pumping capacity of less than 750 gallons per minute (gpm) and water capacity of 1,000 gallons or more):	0	0	0
Aerial Apparatus: Aerial Ladder Truck, Telescoping, Articulating, Ladder Towers, Platform, Tiller Ladder Truck, Quint	7	2	36
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	6	1	25
Rescue Vehicles: Rescue Squad, Rescue (Light, Medium, Heavy), Technical Rescue Vehicle, Hazardous Materials Unit	3	1	16
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	33	3	144

FEMA Form 080-0-2

Fire Department Call Volume

2016

2015

2014

* **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	1993	2589	1306
Overpressure Rupture, Explosion, Overheat (No Fire) - NFIRS Series 200	290	223	54
Rescue & Emergency Medical Service Incident - NFIRS Series 300	78821	68706	65221
Hazardous Condition (No Fire) - NFIRS Series 400	745	705	582
Service Call - NFIRS Series 500	1431	1026	897
Good Intent Call - NFIRS Series 600	2951	4119	11631
False Alarm & False Call - NFIRS Series 700	4417	3798	2841
Severe Weather & Natural Disaster - NFIRS Series 800	5	2	5
Special Incident Type - NFIRS Series 900	512	437	311

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)	743	1254	641
Of the NFIRS Series 100 calls, how many are "Vehicle Fire" (NFIRS Codes 130-138)	245	168	166
Of the NFIRS Series 100 calls, how many are "Vegetation Fire" (NFIRS Codes 140-143)	378	86	96

What is the total acreage of all vegetation fires?	1033	80	27
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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)	5219	4270	3198
Of the NFIRS Series 300 calls, how many are "Extrications from Vehicles" (NFIRS Code 352)	2	4	3
Of the NFIRS Series 300 calls, how many are "Rescues" (NFIRS Codes 300, 351, 353-381)	225	883	175
How many EMS-BLS Response Calls	58950	52433	42368
How many EMS-ALS Response Calls	34257	28041	22853
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?	2397	1776	1566
How many times did your organization receive Automatic Aid?	2674	2445	2482
How many times did your organization provide Mutual Aid?	1333	1280	2605
How many times did your organization provide Automatic Aid?	1485	1191	995
Of the Mutual and Automatic Aid responses, how many were structure fires?	51	52	45

FEMA Form 080-0-2

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?

Yes

If you answered "Yes" to Question 2, please explain how this request benefits other organizations below:

The Albuquerque Fire Department (AFD) has trained personnel from numerous fire, EMS, and hospital services, including the fire departments of Rio Rancho, Bernalillo County, Santa Fe City and County, Laguna, Corrales, and Colorado Springs (CO), as well as Tribal EMS, emergency medical flight services, and ski patrols. The AFDs Training Academy currently serves as a de facto regional training center and has delivered regionally-offered training in all facets of emergency response, including structural firefighting, heavy technical rescue, and hazardous materials. The AFD Academy routinely is the venue for hosting multi-jurisdictional and multi-service peer support conferences, mental behavioral health symposia, CPR training, system-wide protocol changes offered to more than 1100 providers), and continuing education blocks offered to all EMS providers. Albuquerque Fire Department does not charge fees for training or use of our facilities by public safety organizations.

* 3. Is your department facing a new risk, expanding service to new area, or experiencing an increased call volume?

Yes

If you answered "Yes" to Question 3., please explain how your department is facing a new risk, expanding service to new area, or experiencing an increased call volume

The Albuquerque Fire Department (AFD) serves a jurisdiction of more than 188 square miles and a greater metro population of close to a million residents (according to 2016 Census projections). As the State's largest and busiest fire department, our staffing has decreased by 8% or 44 firefighters in the last year. The Department's call volume for 2017s was 106,908 and in 2015 it was 94,328 - an increase of 12,580 (or 11.8%) over a 2 year span. This translates to an increase of about 34 calls per day with 44 less Firefighters than in 2015. If emergency response calls continue to grow at this pace, 2018s call volume will surpass 120,000 emergency calls for service.

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

\$0

* 5. 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

FEMA Form 080-0-2

Request Details

DEPARTMENT OF HOMELAND SECURITY

Federal Emergency Management Agency

Activity Specific Questions for AFG Operations and Safety Applications

OMB No.: 1660-0054

Expiration Date: August, 31 2019

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this data collection is estimated to average 4.6 hours per response for FEMA Form 080-0-2b "Activity Specific Questions for AFG Operations and Safety Applications". The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting this form. This collection of information is required to obtain or retain benefits. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments

regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW., Washington, DC 20472-3100, Paperwork Reduction Project (1660-0054) NOTE: Do not send your completed form to this address.

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

Activity	Number of Entries	Total Cost	Additional Funding
Equipment	1	\$ 559,360	\$ 0
Modify Facilities	0	\$ 0	\$ 0
Personal Protective Equipment	1	\$ 408,500	\$ 0
Training	0	\$ 0	\$ 0
Wellness and Fitness Programs	1	\$ 20,120	\$ 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?

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

Diesel Filter Device

NO SMOKE is an apparatus-mounted, direct source capture exhaust removal system that works automatically to protect you from the dangers of breathing diesel exhaust. The system captures the harmful particulate and gases that you shouldn't be exposed to. The NO SMOKE System consists of a filter, a diverter unit, and an electronic control module.

NFPA 1500 9.1.6: "The fire department shall prevent exposure to firefighters and contamination of living and sleeping areas to exhaust emissions."

2. Number of units: (whole number only)

64

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

\$ 8740

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

Obtain equipment to achieve minimum operational and deployment standards for existing missions

5. Will the equipment being requested bring the organization into voluntary compliance with a national standard, e.g. compliance with NFPA, OSHA, etc?

Yes

In your Narrative Statement, please explain how this equipment will bring the organization into voluntary compliance.

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?

No

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

Over time, it has been shown that sick and injured members create financial costs to their organizations. The overall concept of this grant request is to keep members safe from exposures, while protecting organizations from long term injury, illness and even death. The Albuquerque Fire Department (AFD) is requesting funds to help protect the lives of its fire fighters and citizens that may visit their fire station. AFD is seeking assistance in purchasing apparatus-mounted, direct source capture exhaust removal system that works automatically to protect us from the dangers of breathing diesel exhaust. The system captures the harmful particulate and gases that you shouldn't be exposed to. Diesel exhaust is a complex mixture of toxic compounds including the termed "carcinogen" Diesel Particulate Matter (DPM), commonly termed "soot". Diesel exhaust also contains certain Nitrogen Oxides (NOx), Polyaromatic Hydrocarbons (PNAs), Sulfur Dioxide (SO2), and Carbon Monoxide (CO). Some DPM (soot) particles are large or dark enough to be seen as soot or smoke. Others are so small that several thousand of them could fit on the period at the end of this sentence. The smallest diesel particles are diameters below 50 nanometers (a nanometer is one million times smaller than the head of a pin). Newer diesel engines emit higher numbers of small particles than the older vehicles. Research has shown that the smallest diesel particles are of the greatest health concern as they will penetrate deep into sensitive areas of the respiratory tract. Fire fighters statistically have a higher chance of cancer that your average citizen and are at greatest risk even when in the station because of the proximity to living areas and fire apparatus bay. The Albuquerque Fire Department is committed to firefighter health and is in desperate need of 64 NO SMOKE Systems to be mounted on our units. The system consists of a filter, a diverter unit, and an electronic control module. The system is installed beyond all of the after treatment devices and before the diffuser tip, it does not interfere with the vehicle exhaust system. Cost per unit is \$8,739 installed and with a one year warranty. The total cost for sixty-four lifesaving units is \$559,299.

* 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

Most previous research on firefighter cancer risk has focused on exposures encountered while fighting fires and does not account for potential additional carcinogens they may be exposed to at the fire station. Firefighters spend large portions of their shift waiting for calls in a station, during which they can be exposed to diesel exhaust from idling trucks (which is a known carcinogen) and off-gassing from contaminated post-fire gear. Diesel exhaust is a complex mixture of toxic compounds including the termed "carcinogen" Diesel Particulate Matter (DPM), commonly termed "soot". Diesel exhaust also contains certain Nitrogen Oxides (NOx), Polyaromatic Hydrocarbons (PNAs), Sulfur Dioxide (SO2), and Carbon Monoxide (CO). Some DPM (soot) particles are large or dark enough to be seen as soot or smoke. Others are so small that several thousand of them could fit on the period at the end of this sentence. The smallest diesel particles are diameters below 50 nanometers (a nanometer is one million times smaller than the head of a pin). Newer diesel engines emit higher numbers of small particles than the older vehicles. Research has shown that the smallest diesel particles are of the greatest health concern as they will penetrate deep into sensitive areas of the respiratory tract.; however, the sampling periods in these studies were either 4 or 8 hours. This is much less time that the 48-hour shifts of Albuquerque firefighters and therefore may not accurately represent their exposures.

The limitations of these previously completed studies and potential exposure misclassification may underestimate firefighters' true risk of cancer. Albuquerque Fire Department currently has multiple Firefighters suffering from various forms of cancer linked to exposures while working around fire apparatus .(Daniels RD, Bertke S, Dahm MM, et al. Exposure response relationships for select cancer) By purchasing and installing vehicle mounted filtration systems, AFD will protect the lives of its firefighter and reduce the the cost of treatment for exposure related illnesses. The limitations of these previously completed studies and potential exposure misclassification may underestimate firefighters' true risk of cancer. Exposure misclassification may also explain some of the inconsistencies seen in the epidemiologic literature, such as why certain cancers are at elevated risk in some studies but not in others. Albuquerque Fire Department currently has multiple Firefighters suffering from various forms of cancer linked to exposures while working around fire apparatus .(Daniels RD, Bertke S, Dahm MM, et al. Exposure response relationships for select cancer)

* 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 health and well being of its firefighters and the citizens is the Albuquerque Fire Departments number one priority. By ensuring that anyone working around or near a fire apparatus is free from deadly toxins, it creates safe environment for everyone. Today's vehicle exhaust removal systems are a critical component in maintaining a fire station atmosphere that is free of the particulates and gases present in diesel engine emissions. NFPA 1500 9.1.6: states "The fire department shall prevent exposure to firefighters and contamination of living and sleeping areas to exhaust emissions." Diesel exhaust has long been suspected of being a human carcinogen, but in June 2012, the World Health Organization (WHO) classified it as carcinogenic to humans. "The National Fire Protection Association has said for the last 10 years that removal of exhaust in the fire station is important for the health and safety of firefighters," The advantages to vehicle mounted filtration systems for AFD are that it captures engine emissions before they enter station. And the system automatically engages without human intervention. There is also no equipment hanging from ceiling to apparatus floor, and apparatus can move anywhere in station and system still functions. By not having equipment hang down it also protects fire fighters from head injuries if they were to strike one of the heavy hoses used in station mounted systems.

FEMA Form 080-0-2b

Personal Protective Equipment

Personal Protective Equipment Details

- 1. Select the PPE that you propose to acquire (select one): SCBA: SCBA Unit includes: Harness/Backpack, Face Piece and 2 cylinders
 Please provide a detailed description of the item selected above. Scott Safety Air-Pak X3 SCBA NFPA 1981 and 1982 standards, 2013 Edition
 Full face piece assembly
 Removable, face piece-mounted, positive pressure breathing regulator with air-saver switch
 Automatic dual path redundant pressure-reducing regulator
 Harness and backframe assembly
 Shoulder strap mounted, remote gauge indicating cylinder pressure;
 A rapid intervention crew/universal air connection (RIC/UAC)
 Cylinder and valve assembly for storing breathing air under pressure.
- 2. Number of units: (whole number only) 50
- 3. Cost per unit: (whole dollar amounts only; this amount should reflect any volume discounts, rebates, etc.) \$8170
- 4. Please provide your amount for the appropriate question below: 227
 - 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? Replace damaged broken inoperable equipment to current standard

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

N/A

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		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25 or more		

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

N/A

Year	Current Inventory		Being Replaced	
	SCBA	Cylinders	SCBA	Cylinders
2013 Edition	2	0	0	0
2007 Edition	225	523	0	0

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.

2002 Edition and older	50	0	50	0
Obsolete/damaged	0	0	0	0

6. Are you requesting for members that currently do not have above-mentioned item? If Yes, enter the number of members that do not have this item. If No, click N/A.

N/A

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

FEMA Form 080-0-2b

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 Albuquerque Fire Department (AFD) is requesting funding assistance from Assistance to Firefighters Grant to purchase 50 new self-contained breathing apparatus (SCBA). The cost of this life-saving program is \$408,500. This will allow total interoperability with our SCBA inventory, compliance with National Fire Protection Association (NFPA) and Occupational Safety and Health Administration (OSHA) This new Personnel Protective Equipment (SCBA's) is part of a project aimed at lowering the risk of inhalation hazards to fire department personnel, increasing firefighter safety, and increasing the effectiveness and efficiency of Rapid Intervention Teams (RIT). Our current inventory of SCBA's requested to be replaced are NFPA 1981 2002 edition, which is more than two editions old and soon to be three editions this coming year.

The 50 new SCOTT self-contained breathing equipment purchased with these grant funds will be Scott Safety Air-Pak X3 SCBA NFPA 1981 and 1982 standards, 2013 Edition and include:

- Scott 4.5 X3 Pro with snap change @ \$5750
- Removable, face piece-mounted, positive pressure breathing regulator with air-saver switch;
- Automatic dual path redundant pressure-reducing regulator;
- End-of-service time indicators;

Harness and backframe assembly for supporting the equipment on the body of the wearer;
 Shoulder strap mounted, remote gauge indicating cylinder pressure;
 Rapid intervention crew/universal air connection (RIC/UAC); a
 Cylinder and valve assembly for storing breathing air under pressure.
 Full face piece assembly; Scott AV-3000 @ \$275
 Scott 4500 PSI 30 Minute Carbon Fiber Cylinder @ \$925
 Scott 4500 PSI 60 Minute Carbon Fiber Cylinder @ \$1220
 Cost per complete unit \$8170
 X 50 = \$408500

* 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 Albuquerque Fire Department (AFD) is a paid, all-risk-capable, municipal department serving a jurisdiction of more than 188 square miles and a greater metro population of close to a million residents (according to 2016 Census projections). The new SCBAs will prove invaluable in saving the lives of our firefighters so they protect the citizens of Albuquerque. Our fire department has the responsibility for safeguarding those visitors who travel from around the state, the country, and the world with the same due diligence as our residents and business owners. As the State's largest and busiest fire department, we are called to assist and train other departments within our state. By having current and compliant SCBAs, AFD will be able to safely and cost effectively protect the citizens of Albuquerque. In addition to providing an all-hazards-capable response to New Mexico's largest urban area, AFD is also responsible, by mutual aid response agreements, for response to any major event within a fifty-mile radius of the city - on Pueblo, County, or State jurisdictions. AFD has the only full time Hazardous materials and Heavy Technical Rescue teams in the state. Both of these specialized teams rely on properly working SCBAs to mitigate complex emergencies. Albuquerque is the largest city in New Mexico, and represents almost a quarter of the state's total population. As the largest city north of the US/Mexico border, the FBI has long considered the area to be one of the top targets for potential terrorist activity in the country. According to NM's Department of Homeland Security, the Joint Terrorism Taskforce, and the FBI's Anti-terrorism program have identified and tracked defined terrorist activity within the state. All of these factors plus the thousands of mutual and automatic aid responses that our firefighters respond to, make it imperative to have equipment that is not substandard and obsolete, which is presently the situation. With our state and local budgets in uncertain situations, it is impossible for us to purchase the new compliant SCBAs with our current budget.

* 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

Self-Contained Breathing Apparatus (SCBA) is a critical component in the personal protective equipment (PPE) used by today's fire service. This equipment is essential for allowing fire fighters to operate in hostile fire ground environments. However, in recent decades there have been significant shifts with the environments encountered by structural fire fighters and how they operate in those environments. The acquisition of SCBAs will greatly augment our capabilities for the protection of the health, safety and lives of our firefighting personnel. Our firefighters already have the challenge of delivering protection services because of increased call volume. Properly outfitted with this new equipment, our firefighters will be better prepared upon arrival at incidents involving smoke filled structures. Therefore, we would have the solid ability to initiate a timely rescue in a structure fire or other incidents lacking breathable air. Additionally, we will be in compliance with current NFPA and OSHA standards.

FEMA Form 080-0-2b

Fire Department/Fire District Wellness and Fitness

Program Area The activities below are Priority 1	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
* Initial Physical Exam				

* Job Related Immunization Program

#Yes	#No	#Yes	#Yes
------	-----	------	------

* Periodic Physical Exam/Health Screening

#Yes	#No	#Yes	#Yes
------	-----	------	------

* Behavioral Health NFPA 1500 or equivalent

#No	#Yes	#Yes	#Yes
-----	------	------	------

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.

The objectives of Mind Body Fire are to: 1) recruit 30 Albuquerque area firefighters to participate in 8-week F-MBSR program; 2) teach F-MBSR stress reduction techniques to trainees involved in the AFD cadet program. Decreasing the extent to which firefighters are effected by stress allows them to: 1) both physically and mentally perform better 2) Work Safely; 3) have better relationships with their family due to minimizing stress brought home; 4) Help prevent suicide which has occurred in AFD

* Select Object Class

Personnel

If you selected other above, please specify

* Number of units: (whole number only) 1

* Cost per unit: (whole dollar amounts only; this amount should reflect any volume discounts, rebates, etc.) \$ 20120

FEMA Form 080-0-2b

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

Firefighters, like other first-responders, face unique stressors in their work. Of the most intense of these stressors for firefighters are witnessing gruesome victim incidents and rendering aid to the seriously injured, working with particularly vulnerable victims, catastrophic injury of self or coworker, and exposure to death and dying (Beaton, Murphy, Johnson, Pike, %26 Corneil, 1998). Not surprisingly, prevalence rates for posttraumatic stress disorder (PTSD) are generally around 8%, but as high as 37% (Del Ben, Scotti, Chen, %26 Fortson, 2006). It could be expected that an even larger proportion of firefighters suffer from sub-clinical PTSD symptoms as well; the most common of them being rumination and sleep disturbance (Haslam %26 Mallon, 2003).

These intense experiences, compounded by constant states of high arousal when on duty, result in firefighters experiencing considerable physiological strain (Smith, Manning, %26 Petruzzello, 2001). The intense stressors, high arousal, and strain are most likely the main contributing factors to the high rates of hypertension. It has been found that three-quarters of emergency responders have prehypertension or hypertension (Kales, Tsismenakis, Zhang, %26 Soteriades, 2009). Hypertension is a major risk factor for cardiovascular morbidity and mortality (Smith et al., 2001), and, not surprisingly, coronary heart disease has been found to be responsible for 45% of on-duty deaths among firefighters (Kales, Soteriades, Christophi, %26 Christiani, 2003).

In addition to these documented adverse effects of firefighter's stress, there are most likely a wide range of undocumented consequences. The increased health risk of firefighters may lead to earlier than expected retirement, increased missed work days, and a greater utilization of medical treatment. First, these consequences put a strain on fire departments due to their need to train and/or call on additional firefighters. Second, these consequences not only effect the general well-being of the firefighters, but also undoubtedly have negative emotional effects on their family (Steffen, Brown, %26 Smith, 2012). Finally, and possibly most importantly, firefighter's high stress and subsequent decreased health may hinder their ability, both physically and mentally, to best serve and aid the community; effecting the safety of the community.

In fire departments nationwide there is a growing awareness of the necessity to address firefighters' mental health. Recently there has been a sharp increase in resources dedicated to mental health programs, such as peer support groups and one-on-one therapy. All these programs, however, address mental health needs after firefighters have experienced adverse events and resulting impairment in daily life functioning. To date, there is a lack of implementing preventative programs to teach firefighters tools to effectively cope with stress, despite the clear need for them (Smith et al., 2001). Initial research lends support for the efficacy of preventative programs targeting firefighters' mental attitude/approach towards their work and the stressors they experience. One study, for example, found that trainees use of catastrophic appraisals of stressful events predicted post traumatic stress symptoms (Bryant & Guthrie, 2005). Reactions of fear, helplessness, and/or horror have also been found to predict PTSD symptoms (Del Ben et al., 2006).

Budget

Clinical Specialist x 1 @ \$9000
 Facilitator x 2 @ 22 per hour x 90 %3D \$3,960
 Equipment needs
 40 Cushions @ \$35 %3D \$1400
 80 Blankets @ \$18 %3D \$1440
 40 Mats @ \$20 %3D \$800
 40 Bolsters @ \$35 %3D \$1400
 40 Sandbags @ \$9 %3D \$360
 80 Blocks @ \$6 %3D \$520
 80 Weighted balls @ \$8 %3D \$640
 40 Neck bolsters @ 16 %3D \$640

Total Cost: \$20120

* 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 recruitment of the 30 front line AFD members that will be a portion of the 2018 Mind.Body.Fire program will be conducted by the program Community Subject Matter Expert (CSME) in conjunction with the input and strategy from the program director, and research assistant. The 40 trainees involved in the program will not need to be recruited as they will have gone through an rigorous hiring process to be selected into the AFDs 90th cadet class. The strategy to recruit the 30 frontline members will be to target the AFD population with more than 5 years of experience in the Field of Emergency Medicine that may include previous employment to AFD. As seen above, the path through the Albuquerque Fire Department is unique to every Firefighter. Though all start off as a Cadet, many opportunities and pathways are opened as seniority and rank are achieved. The opportunity for various pathways and career opportunities have road blocks and exposure to traumatic stress unique to each. Thus personnel that are recruited will not be rank specific or assignment specific but share in the potential for post traumatic stress due to their collective experiences. It has also been noted that personnel who have a minimum of 5 years experience are also more likely to have gone through the many life experiences outside of work that lead to stress and hardship. Whether it be the birth of a child, marriage, divorce, death of friend or family member, promotion, financial challenges, etc., the potential for non-work stressors/life experiences increase with the age of the member.

As outlined in the program outline, members will be recruited with the understanding that the program will have 15 members per class and that a commitment of meeting once a week for 2 hours for a total of 8 week with home practice was expected. Members will be recruited from the same Shift (A,B,C) as to optimize logistical challenges such as meeting times.

As to try and increase knowledge of the program, the CSME will make station visits with the intention to inform crews of the basic concepts and history of Mindfulness-based Stress Reduction and the Mind.Body.Fire project. Through these station visits, the CSME will hope to identify those affected greatly by both the acute and chronic stress faced by all who have responded to traumatic emergencies as well as those who have high amounts of stress outside of their work responsibilities.

* 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 Albuquerque Fire Department proposing a one year project with three main focuses: (1) To positively affect the population amongst Albuquerque Fire Fighters that are in most need of stress reducing skills through two 8 week F-MBSR program, (2) to begin implementing the F-MBSR program in the Albuquerque Fire Department trainees during their 20 week para-military cadet class, and (3) to investigate sustainable ways for F-MBSR programming to continue in

fire departments throughout the International Association of Fire Fighters.

Anticipated Outcomes: We expect to find increases in overall mental health, decreases in behaviors like excessive substance use and poor sleeping, as well as an increase in firefighters' utilization of mindfulness tools to prevent and decrease heightened stress reactions. Through explorative qualitative questions we hope to better tailor the F-MBSR and identify further aspects necessary for successful sustainability.

Mind.Body.Fire is applying for the FY2017 Assistance to Fire Fighters Grant. A 12 month grant would go towards costs of one year of implementation, with the aim that a second year of feasibility and implementation can be widely established. The core team is Carmen Martinez-Tittmann, Principal Facilitator, along with multiple Albuquerque Fire Fighters (subject matter experts) that have completed the 8 week training and are active in other Fire Fighter Wellness initiatives among their membership. These SMEs will also function as co-facilitators within the program. The target population of the proposed MBF one-year project will be veteran firefighters in the Albuquerque Fire Department as well as cadets/trainees in the AFD training program. The AFD serves the Municipality of Albuquerque, New Mexico where the population is approximately 600,000 (1 million including the surrounding areas). In 2017 AFD responded to 106,941 emergencies with its front line response firefighters working 48 hour shifts on the line and 96 hours off (2 days out of every 6). The high call volume in the Albuquerque Fire Department is significant to and has a direct impact on the mental health of its firefighters.

The unique stressors faced by firefighters, along with an increase in firefighter suicides and post traumatic stress injuries in the last ten years, has raised awareness of the need for increased behavioral health services that are relevant to the culture of firefighting. There is also growing evidence that mindfulness-based interventions increase resilience in first responders and military personnel (Christopher et al., 2016; Stanley & Jha, 2009) which may lead to decreased rates of suicides. Research has also found that greater levels of trait mindfulness in firefighters predicted better health outcomes (Setti & Argentero, 2014; B. W. Smith et al., 2011). While it appears that firefighters would stand to benefit from mindfulness-based interventions, few mindfulness programs have been adopted for firefighters, or have incorporated stress-reduction/coping into their training.

FEMA Form 080-0-2b

Budget

Budget Object Class

a. Personnel	\$ 7,160	\$ 20,120
b. Fringe Benefits		\$ 0
c. Travel		\$ 0
d. Equipment		\$ 967,860
e. Supplies		\$ 0
f. Contractual	\$ 12,960	\$ 0
g. Construction		\$ 0
h. Other		\$ 0
i. Indirect Charges		\$ 0
j. State Taxes	987,980	<u>\$ 0</u>
Federal and Applicant Share		
Federal Share		\$ 898,164
Applicant Share <i>City MATCH</i>		\$ 89,816
Applicant Share of Award (%)		10

* **Non-Federal Resources** (The combined Non-Federal Resources must equal the Applicant Share of \$ 89,816)

a. Applicant	\$ 89,816
--------------	-----------

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

\$ 987,980

FEMA Form 080-0-2b

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 **Martin Salazar** on **02/02/2018**

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
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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 **Martin Salazar** on **02/02/2018**

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.

- o 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.
- o 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 asterisk (*) are required.

I, Martin D Salazar, am hereby providing my signature for this application as of 02-Feb-2018.