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Standard Form 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.

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.

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 OPMs 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

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- 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

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FEMA Form 20-16C

You must read and sign these assurances.

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.

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

1. 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.
2. 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.
3. 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

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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

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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:

Street	City	State	Zip

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: Chad Brocato on 2018-10-18 18:37:54 in the legacy AFG system

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Paperwork burden disclosure notice

OMB No.: 1660-0054

Expiration date: August 31, 2019

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.

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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 09/24 to 10/26/2018 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: Chad Brocato on 2018-10-18 18:37:54 in the legacy AFG system

Organization Information

Pompano Beach Fire Rescue

Pompano Beach, Florida

110473 (City) | All Paid/Career | 212 active firefighters

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

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

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Organization name

**Pompano Beach Fire
Rescue**

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nonaffiliated EMS, and regional applicants, the type of jurisdiction served

Additional information

Is the 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**

Explanation to any questions answered, "Yes," above

Applicant characteristics

Is the 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**

How many career members in your organization?

How many of volunteer Firefighters are paid members from another career department?

What type of community does your organization serve? **Urban**

Is the organization **No**



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In what county/parish is the organization physically located?

Broward

Does the organization protect critical infrastructure?

Yes

Critical infrastructure description

The City of Pompano Beach has over 9.3 million square feet of institutional/governmental properties. Pompano Beach is also home to thirteen chemical production/packing facilities, two liquid petroleum gas storage facilities, an underground natural gas pipeline, as well as a major telecommunication facility. There are two major railways that transect the City, Florida East Coast Railroad and CSX Railroad, as well as two major highways, Interstate 95 and the Florida Turnpike. Two drawbridges at Atlantic Boulevard and NE 14th Street provide access over the Intracostal Waterway to the barrier island, as well as a drawbridge over the Hillsboro Inlet which connects the Intracostal Waterway to the Atlantic Ocean. Water and sewer facilities are located at four locations within the City. There is also Pompano Airpark, which is a community airport that is operated by the City.

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Percentage of response
area used for commercial
and industrial purposes **32%**

Percentage of the primary
response area for
residential purposes **35%**

Permanent resident
population of the
Primary/First-Due
Response Area or
jurisdiction served **110473**

Percentage of seasonal
increase in population **17612%**

Amount of fire stations **6**

EMR or EMT, Advanced
EMT or Paramedic Level
Trained Personnel **212**

Active Emergency Medical Responders

Does your department
have a Community
Paramedic program? **No**

Community Paramedic level Trained Personnel

Firefighter I-Level Trained
Personnel **212**

Firefighter II-Level Trained
Personnel **212**

Are training funds being
requested to bring 100% of
the firefighters into
compliance with NFPA
1001? **No**

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Does the department currently report to the National Fire Incident Reporting System (NFIRS)?

Yes

FDIN/FDID

10172

Training program description and plans to bring your membership up to Firefighter II.

N/A

Community description

Description of the organization and/or community served

Located in Broward County on Florida's southeast coast, the City of Pompano Beach has a permanent population of 110,473 (U.S. Census Bureau) within its 25 square miles. The daytime population demonstrates a 16.0% increase, in addition to a 16.1% seasonal increase. As a major business center, the City has nearly 41.2 million square feet of industrial/commercial properties and over 9.3 million square feet of institutional/governmental properties. High-rises exist throughout the City, with 228 buildings five or more stories and more than 80 buildings that are three or four stories. In total, the City has over 38.9 million square feet of multi-family properties and 29.2 million square feet in single family properties. Pompano

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natural gas pipeline, as well as a major telecommunication facility. There are two major railways that transect the City ∫ Florida East Coast Railroad and CSX Railroad, as well as two major highways ∫ Interstate 95 and the Florida Turnpike. Two drawbridges at Atlantic Boulevard and NE 14th Street provide access over the Intracostal Waterway to the barrier island, as well as a drawbridge over the Hillsboro Inlet which connects the Intracostal Waterway to the Atlantic Ocean. Water and sewer facilities are located at four locations within the City. There is also Pompano Airpark, which is a community airport that is operated by the City. Pompano Beach Fire Rescue has 212 uniformed personnel which operate out of six fire stations with five engines, two ladder quints, one heavy rescue squad and seven rescue/ambulances providing fire and one-tier advanced life-support emergency medical transport services on a 24-hour basis. An eighth rescue/ambulance is placed into service when staffing permits. In 2017, the Department responded to 31,334 calls for fire rescue service. That is 284 incidents per 1000-population. There were 19,014 patients transported by Fire Rescue to the hospital.

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community to the south of the City of Pompano Beach. In addition, Pompano Beach Fire Rescue provides fire rescue services under an automatic aid agreement with the City of Lighthouse Point, an adjacent community on the northeastern boarder of the City of Pompano Beach. Pompano Beach also participates in the Broward County Fire Chiefs Mutual Aid Agreement with all 31 cities in Broward County. Moreover, Pompano Beach Fire Rescue provides surf lifeguard protection on three miles of beachfront utilizing its Ocean Rescue Division.

Services provided by the organization

Structural Fire Suppression, Airport Rescue Fire Fighting (ARFF), Basic Life Support, Advanced Life Support, Haz-mat Operational Level, Rescue Operational Level, Maritime Response

Budget and financial Need

Organization's operating budget over the last three years **\$32,764,647.00**

Total Budget dedicated to personnel costs (salary, overtime, fringe benefits) **\$31,210,665.00**

Does the department have any rainy day reserves, **No**

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If Yes, describe the planned purpose of this fund.

Percentage of annual budget derived from:	2017	2016	2015
Taxes	48	47	46
Bond issues	0	0	0
EMS billing	11	10	11
Grants	0	0	0
Donations	0	0	0
Fund drives	0	0	0
Fee for service	41	43	43

In cases of demonstrated economic hardship, and upon the request of the grant recipient, the FEMA Administrator may waive or reduce an AFG grant recipient's cost share requirement. Is it your department's intent to apply for cost share waiver?

Applicant and community trends

Fatalities/Injuries	2017	2016	2015
Total number of fire-related civilian fatalities	2	1	1
Total number of fire-related civilian injuries	28	17	23
Total number of line of duty member fatalities	0	0	0
Total number of line of duty member injuries	40	51	65

Vehicles the organization has in each type or class of vehicle listed below	Number of Front Line Apparatus	Number of Reserve Apparatus	Number of Seated Riding Positions
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and Water

capacity of 300
gallons or more):Pumper,
Pumper/Tanker,
Rescue/Pumper,
Foam Pumper,
CAFS Pumper,
Type I or Type II
Engine Urban
InterfaceAmbulances for
transport and/or
emergency
response:

8

3

33

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

2

0

12

Brush/Quick

0

0

0

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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

Rescue Vehicles:	1	1	8
Rescue Squad,			
Rescue (Light,			
Medium, Heavy),			
Technical Rescue			
Vehicle,			
Hazardous			
Materials Unit			

Additional	2	1	6
Vehicles: EMS			
Chase Vehicle,			
Air/Light Unit,			
Rehab Units,			
Bomb Unit,			
Technical			
Support			
(Command,			
Operational			
Support/Supply)			

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Communications
Vehicle

Total	18	8	91
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Call volume

Summary	2017	2016	2015
Fire - NFIRS Series 100	354	349	343
Overpressure Rupture, Explosion, Overheat (No Fire) - NFIRS Series 200	15	11	11
Rescue & Emergency Medical Service Incident - NFIRS Series 300	23278	21970	22416
Hazardous Condition (No Fire) - NFIRS Series 400	560	500	487
Service Call - NFIRS Series 500	940	816	702
Good Intent Call - NFIRS Series 600	2883	2557	2330
False Alarm & Falls Call - NFIRS Series 700	1641	1490	1441
Severe Weather & Natural Disaster - NFIRS Series 800	2	2	5
Special Incident Type - NFIRS Series 900	168	414	314

Fires	2017	2016	2015
"Structure Fire" (Of the NFIRS Series 100 calls, NFIRS Codes 111-120)	167	152	139
"Vehicle Fire" (Of the NFIRS Series 100 calls, NFIRS Codes 130-138)	81	91	85
"Vegetation Fire" (Of the NFIRS	40	45	44

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Rescue and Emergency Medical Service Incidents	2017	2016	2015
"Motor Vehicle Accidents" (Of the NFIRS Series 300 calls, NFIRS Codes 322-324)	1819	1925	1766
"Extractions from Vehicles" (Of the NFIRS Series 300 calls, NFIRS Code 352)	16	16	13
"Rescues" (Of the NFIRS Series 300 calls, NFIRS Code 300, 351, 353-381)	496	391	401
EMS-BLS Response Calls	10595	10911	11747
EMS-ALS Response Calls	13431	12700	12642
EMS-BLS Scheduled Transports	0	0	0
EMS-ALS Scheduled Transports	0	0	0
Community Paramedic Response Calls	0	0	0

Mutual and Automatic Aid	2017	2016	2015
Amount of times the organization received Mutual Aid	56	92	59
Amount of times the organization received Automatic Aid	8	5	10
Amount of times the organization provided Mutual Aid	66	71	81
Amount of times the organization provided Automatic Aid	77	70	66
Of the Mutual and Automatic Aid responses, amount that were structure fires	8	9	10



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Title

Assistant Chief

Prefix

N/A

First name

Michael

Middle name

Last name

Hohl

Primary phone

954-786-4368 Ext. N/A
Type: work

Secondary phone

954-547-7081 Ext. N/A
Type: cell

Optional phone

Ext. N/A Type:

Fax

954-786-4347

Email

michael.hohl@copbfl.com

Alternate Contact Information #1

Title

Fire Chief

Prefix

N/A

First name

John

Middle name

Last name

Jurgle

Primary phone

954-786-4327 Ext. N/A
Type: work



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Fax

954-786-4347

Email

john.jurgle@copbfl.com

Alternate Contact Information #2

Title

Assistant Chief

Prefix

Dr.

First name

Chad

Middle name

E

Last name

Brocato

Primary phone

954-786-4279 Ext. N/A
Type: work

Secondary phone

754-235-8781 Ext. N/A
Type: cell

Optional phone

Ext. N/A Type:

Fax

954-786-4347

Email

chad.brocato@copbfl.com

Preparer Information

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

Yes



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Address 1

Address 2

City

State

Zip

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Grant Activity Request Summary

Activity	Number of Entries	Total Cost	Additional Funding
Personal Protective Equipment	1	\$518,630.00	\$0.00
Equipment	1	\$8,702.00	\$0.00

Will this grant benefit more than one organization? **Yes**

Is this a micro grant request? (A micro grant is limited to \$25,000 Federal share.) **No**

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

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Personnel	\$0.00
Fringe Benefits	\$0.00
Travel	\$0.00
Equipment	\$527,332.00
Supplies	\$0.00
Contractual	\$0.00
Construction	\$0.00
Other	\$0.00
Indirect Charges	\$0.00
Total	\$527,332.00

Total federal and applicant shares

Applicant share of award 10%
(%)

Applicant total \$47,939.00

Federal total \$479,393.00

Non-Federal Resources

Resource	Total
Applicant	\$47,939.00
State	\$0.00
Local	\$0.00
Other sources	\$0.00

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

N/A

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Review the recipient's activities below.

Personal Protective Equipment: \$518,630.00

SCBA: SCBA Unit Includes: Harness/Backpack, Face Piece And 2 Cylinders

DESCRIPTION

New SCBA units that are fully compliant with the latest NFPA 1981 standard to replace our existing SCBA units for all seated positions. Each SCBA would include a harness, face piece, and 2 cylinders in accordance with the grant guidelines.

QUANTITY	UNIT PRICE
62	\$8,365.00
TOTAL	
\$518,630.00	

BUDGET CLASS

Equipment

More Details for SCBA: SCBA Unit includes: Harness/Backpack, Face Piece and 2 cylinders.

Detailed description

New SCBA units that are fully compliant with the latest NFPA 1981 standard to replace our existing SCBA units for all seated positions. Each SCBA would include a harness, face piece, and 2 cylinders in

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Cost per unit:

\$8,365.00

Please provide your amount for the appropriate question below: 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 a specialized PPE (e.g., Haz-Mat), how many applicable members currently have specialized PPE that meets established standards?

The equipment purchased under this grant program will: **Replace non-compliant to current standard**

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

Age (in Years)	Current Inventory	Being Replaced
Less than 1	0	0
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0

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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

If you have indicated you are requesting SCBA or Cylinders in Question 1, to which editions(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.

Year	Current Inventory	Being Replaced	
	SCBA	Cylinders	SCBA Cylinders
2013 Edition	0	0	0
2007 Edition	0	0	0
2002 Edition and older	0	0	0
Obsolete/damaged	0	0	0

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

Is the department trained in the proper use of the PPE/SCBA being requested? **Yes**

Are you requesting funding for training for this PPE/SCBA? **No**

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More Details for Personal Protective Equipment.

Narrative

Project Description

Pompano Beach Fire Rescue is requesting grant funding in the amount of \$518,630 for replacement of all SCBA on our front-line apparatus. The grant funding would be used to purchase 62 SCBA units, 124 cylinders (45-minute size), and 62 fitted face masks. The current SCBA units are two NFPA cycles removed, (NFPA 1981, 2007 compliant) with a range in age of packs and bottles from 14 years at the oldest to 8 years at the newest. They have reached the end of their serviceable life and are often in need of repairs, which is problematic for a busy fire-rescue agency. Perhaps more importantly, the current agency SCBAs lack many of the new safety and communications features found in modern SCBA units. There have been many enhancements in safety through the years, including improved ergonomics to reduce the risk of back injuries. The newer SCBA designs also help to reduce firefighter fatigue, which would assist in

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decontaminated following firefighting operations. There are also features in newer models that offer materials that are more resistant to chemical and water penetration, which translates into a reduced risk of absorption of dangerous chemicals into the firefighter. Additional important SCBA improvements in safety resulted from the updating of NFPA standard 1981. For example, the 2007 standard required the low air alarm to sound when 25 percent of the cylinder's available air was left, but the 2013 edition requires the alarm to sound when the cylinder air is at 33 percent. The more recent version of NFPA 1981 also provided a standard for an improved safety feature in the SCBA facepiece inasmuch as the face piece must now be able to withstand radiant heat at 15 kW/m². The newer edition of the standard also requires that the entire SCBA assembly be mounted to a test manikin and be subjected to a 500 degree Fahrenheit oven test. One of the most profound changes in SCBA models in recent years is the improvement in voice intelligibility requirements, which is also found in the new edition of NFPA 1981. For years, communications during interior structural

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through the SCBA. Communications during these dangerous events are often garbled and difficulties arise in both the delivery and receipt of important messages from interior crews to the exterior command post. The update of NFPA 1981 provides a standard for a mechanical speaking system to be included in the SCBA. There is also a new test (speech transmission index) that will influence - and has influenced - the speech communications through the use of Bluetooth technology, allowing a substantial improvement in the clarity of critical fireground communications. None of the features listed above are found on the aged and worn SCBA units that exist in Pompano Beach Fire Rescue today. Grant funds would allow for a full replacement of all seated position SCBA units, which will increase the safety of all PBFR firefighting personnel and offer improved communications for fireground operations.

Cost/Benefit

If this grant were awarded, all of the SCBA in the seated positions would be replaced with newer model SCBAs that feature numerous safety features that were not available when our existing SCBA units were manufactured. There have been major improvements in

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atmospheres designated as immediately dangerous to life and health (IDLH). Funding for this project will provide a wide array of benefits as listed below:

1. All seated positions will have SCBA units that feature decontamination abilities that are not available in the current models. Research is continuing to demonstrate the link between cancer and the exposure to hazardous products found at structure fires. The improved chemical resistance and ease of decontaminating components of the SCBA units will help to reduce the risk of cancer through improved decontamination at the end of each fire.
2. The improved ergonomic designs of modern SCBA units will help to reduce fatigue associated with the wearing and use of the SCBA at firefighting and other emergency incidents. Fatigue remains a major contributor to injuries incurred by firefighting personnel on the fireground. Purchasing SCBA units with the improved ergonomics will help to reduce injuries by reducing certain fatigue factors.
3. Communications at emergency incidents will be greatly enhanced through the Bluetooth communications ability of the modern SCBA units. In addition, the

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immediately dangerous to life and health (IDLH). 4. The newer SCBA units offer an enhanced safety feature for the firefighter inasmuch as the low pressure alarm will sound when the cylinder pressure is at 33% as opposed to our current SCBA units, which cause the alarm to sound at only 25% pressure. 5. The face piece on the 2013 complaint SCBAs have an added safety measure compared to this agency's currently deployed SCBA units in that the later model face pieces have been designed and tested to melt at a higher temperature 6. The full SCBA assembly in the new models have also been improved by ensuring that they are designed and tested to withstand the 500 degree Fahrenheit oven test. This offers additional safety for the firefighter in terms of the SCBA's ability to remain intact and functional when exposed to extreme temperatures that are often found in structure fires. 7. The newest SCBA models will also be equipped with the emergency breathing safety system (EBSS) in accordance with NFPA 1981, 2018 Edition. The EBSS models will be fitted with connections that are not compatible with our existing models (Rectus 95 - male; and Rectus 96 - female). If the grant is funded, safety

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Statement of Effect

universal PASS device tone that was not previously a standard for older-model SCBA units. This feature is important for PBFR and other agencies that operate on structural fire incidents as mutual aid. A universal tone would reduce confusion that would otherwise result from PASS devices that have varying alarm tones, such as those that exist today.

None of the improvements listed above are found on the aged and worn SCBA units that exist in Pompano Beach Fire Rescue today. Grant funds would allow for a full replacement of all seated position SCBA units, which will increase the safety of all PBFR firefighting personnel and offer improved communications for fireground operations. Firefighters would be subjected to a lower level of fatigue owing to the improvements in ergonomically designed features. This will allow the firefighters to perform firefighting operations with less fatigue, which correlates to a reduced risk of injury and an increased ability for the firefighter to function more effectively during a fire or other event that requires donning an SCBA. The advancements in communications in the

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interior firefighting crews is often difficult to understand due to the need to communicate to a radio microphone through the face piece, a significant amount of ambient noise arising from the fire, and interference of message communication because of the sound related to breathing from an SCBA. All of these communication problems have been addressed in the later editions of NFPA 1981. The newer standard of voice intelligibility will improve message communications for those personnel operating in extreme conditions. This will also help the incident commander to understand the conditions, actions and needs for firefighting crews, which will help to facilitate supporting incident needs. The incident commander is reliant upon communications from crews operating within a structure fire, and the new enhancements in SCBA communication technology will help facilitate good communications from the interior crews to the external command staff. This will hopefully translate to less miscommunication and a better understanding of what the interior crews are facing. The newer standard for the EBSS provides an additional

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EBSS become standardized will also facilitate improved emergency operations when PBFR is operating at larger structure fires that necessitate a mutual aid response from external agencies. Currently, all structure fires require at least a ladder apparatus response from Lighthouse Point Fire Rescue. Having the EBSS in place for both agencies increases the chances that a firefighter having low or no air in the SCBA will be able to quickly connect to the EBSS irrespective of the differences from one fire department to the next. By purchasing newer model SCBA units, PBFR will realize the benefits noted above as well as other safety improvements. One notable improvement is that the face piece assembly must be constructed to withstand the melting test noted above. Another improvement is that the secondary regulator connection is tested to a higher standard than prior years. This forces the manufacturers to create sturdier and more reliable connections between the secondary regulator and the face piece. There are also improvements in the PASS manufacturing in an effort for manufacturers to meet the newest standards, such as the universal



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The benefits for upgrading the aging SCBA units are numerous, and many of the new safety factors are critical to safe firefighting operations. If awarded, the direct safety and well-being of all firefighting personnel in PBFR will be positively enhanced through the myriad of technological advanced noted herein.

Equipment: \$8,702.00

RIT Pack/Cylinder

DESCRIPTION

Two RIT Pack/Cylinder kits available from manufacturers of SCBA units. The RIT pack shall include, at a minimum, an SCBA cylinder, low and high pressure hose, face piece, regulator, carrying bag, and bottle pressure gauge.

QUANTITY	UNIT PRICE
2	\$4,351.00
TOTAL	
\$8,702.00	

BUDGET CLASS

Equipment

More Details for RIT Pack/Cylinder.

Detailed description

Two RIT Pack/Cylinder kits available from manufacturers of SCBA units. The RIT pack shall

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Number of units 2

Cost per unit \$4,351.00

The equipment purchased under this grant program will:

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

Current equipment age

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

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

Yes

Is the department requesting funding to be trained for these item(s)?

No

Is the department requesting training funding from other sources?

Yes

More Details for Equipment.

Narrative

Project Description

In addition to seeking replacement of all seated position SCBA units, PBFR is also seeking to

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two (2) battalion chief model for management of day-to-day operations as well as during active firefighting and related emergency response incidents. The goal of the grant funding is to have one (1) of the grant-funded (if awarded) RIT packs carried on the second battalion chief's (Battalion 103) vehicle, and the second RIT pack placed onto Platform 11, which is the aerial device dispatched to all structure fires. These newer RIT packs would supplement the RIT packs that exist on only one (1) battalion chief vehicle (Battalion 63) and on our heavy rescue (Squad 52). The heavy rescue is not always in service as the crews are assigned to Quint 52 when that apparatus is in service. This staffing issue means that only one (1) RIT pack is typically available at any structure fire, and that pack may not be available if Battalion-63 is operating on another emergency incident at the time that a structure fire occurs. If funded, the two (2) new RIT packs would provide redundancy that does not currently exist and offer an expansion of the department's ability to perform RIT operations on emergency incidents.

Cost/Benefit

The benefit of adding two (2) additional RIT packs involves adding redundancy that does

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our current configuration with two (2) RIT packs, there exists a risk that an incident will take place and no RIT pack will be available due to another emergency incident occurring at the same time or because the battalion chief is on another incident. These "simultaneous" incidents are occurring more frequently due to the continued escalation in call volume that the department has been experiencing in recent years. In the week prior to preparing this application, there were two structure fires that were occurring at the same time, which meant that at least one of those emergency incidents would occur without the benefit of the RIT pack for firefighter rescue. The cost of adding two (2) additional RIT packs is just over \$8,000, which is a small price to pay for purchasing devices that are intended for firefighter rescue during a reported or known trapped, lost, or injured firefighter or crew. There are over 12,000 commercial properties within the City of Pompano Beach, and the need to effect a rescue in one of these commercial properties is not limited to solely structural firefighting. A release of a hazardous material, structural collapse, or other emergency incident could occur in one of the commercial

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Statement of Effect

If this grant is awarded, Pompano Beach Fire Rescue will be able to ensure that at least one RIT pack - but likely two (2) - would be available for each and every structure fire within the service area or during automatic or mutual aid responses to surrounding cities. The department recently experienced a significant fire in which multiple crews were operating at a high rise structure fire. The crews were operating at remote locations due to the configurations of the stairwells and location of the fire. A reported incident of a firefighter entrapment would have resulted in a RIT pack being deployed up one of the two existing stairwells, and that RIT crew may not have been able to access a downed firefighter due to the location of the fire and how the crew approached the stairwell. If two RIT packs were available, two RIT crews could have easily been dispatched with each team using the two separately located stairwells, thereby improving the chances of being able to rescue a trapped or injured firefighter. This scenario is not unusual as there are hundreds of multi-story buildings in the jurisdiction with access afforded through two stairways. Moreover, if

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in a staging area one or two floors below the fire. This approach would allow deployment of a RIT crew from the closest location, and it would offer the ability to rescue a crew that became trapped above or below the staging location. It would also allow for the deployment of two (2) RIT crews from either the two different locations noted herein or by having both crews stage a couple floors below the fire. Purchase of the RIT packs will also facilitate compliance with NFPA 1500 8.8.2.1 and 8.8.2.2 inasmuch as both standards having requirements related to rapid intervention teams and equipment. Having the RIT packs being sought in this grant would ensure that at least 1 (one) RIT pack would be available at all structure fires and other emergency incidents requiring a RIT standby and response, particularly if more than one incident is occurring at the same time. 8.8.2.1 requires "specialized rescue equipment" and an "SCBA," and the RIT packs would ensure that the department is compliant with this standard. Further, 8.8.2.2 requires a "RIC universal air connection," which is included in the RIT pack being sought in this grant opportunity.