

From: [100 Club](#)
To: [Sandy Russell](#)
Subject: External Email: Your Application
Date: Tuesday, February 6, 2024 9:17:32 AM

Your application has been saved successfully, and the tracking number is 25469. For your records, here is a copy of the contents of your application:

Safety Enhancement Stipend Application

Thank you! Your application has been saved. You should receive an e-mail confirmation shortly.

Safety Enhancement Stipend Application

DISCLAIMER: The 100 Club of Arizona is a 501c3 non-profit organization that will utilize contact information and email addresses provided for on-going communication with you and your agency or department.

DEPARTMENT INFORMATION

Department/Agency Requesting Stipend

NW Fire

Confirm Department/Agency Tax ID

Northwest Fire District

86-0472471

Please upload a copy of your current signed department W-9:

[Northwest Fire District W9.pdf](#)

Number of sworn/certified personnel in your agency

226

Number of

volunteer

personnel in your

agency

0

Number of residents in your service area

135865

Estimated number of annual

incidents

18983

In relation to the estimation of incidents above, please estimate how many of those incidents fall into the category of:

Structural Fire Calls

132

Wildland Fire Calls

96

EMS Calls

9240

EQUIPMENT INFORMATION

Total amount of funds being requested:

16994.90

Specific need you are requesting stipend for:

300 Innotex 25 Gray Particulate-Blocking Hoods

Are the items requested replacing existing equipment?

Yes

If yes, is the current equipment defective or expired?

Expired

Are the items requested new equipment for the department/agency?

No

If yes, have your members been trained to use the equipment requested?

Reason such item(s) cannot be provided for in your normal operating budget

The total cost of this project is \$33,889.80. Northwest Fire District (NWFD) is requesting 50% of the total project cost, \$16,944.90, in this 100 Club of Arizona Safety Enhancement Stipend Application. Our equipment committee in coordination with our partnering agency, (Golder Ranch Fire District), did not come to an agreement regarding the type of hood that would be purchased and provided during the hood exchange program until after our budget was finalized. We have identified capacity within our operating lines to fund 50% of the cost of particulate blocking hoods this year. Northwest Fire District values our relationships with our partnering agencies and does not want to delay implementation of this program, but we are unable to identify additional capacity to cover the entire cost of the hoods in the current fiscal year.

Are there any other sources of funding that were considered and why could they not be used?

The District submitted a grant application for the entire cost of the project; we did not receive that award. The District then examined capacity within budget lines to fund the entire project, but we could not reallocate large amounts of budget at this stage of our fiscal year.

Studies undertaken by your department or others that would indicate that such item(s) would enhance the personal safety of officers/firefighters

Northwest Fire District is seeking to replace personal protective equipment (PPE) protective hoods with new particulate-blocking hoods. The current inventory of hoods is approaching end of life utility and is inferior to the advanced material and construction of hoods available today. In collaboration with Golder Ranch Fire District (GRFD), we identified and tested particulate-blocking hoods that will comply with updated National Fire Protection Association (NFPA) code revisions required next year. During structure fires, hoods are swapped out frequently to reduce contaminate exposure and heat stress. During auto-aid call responses, the District that provides the air/light support truck will exchange contaminated hoods with fresh hoods to firefighters in both Districts. The hood exchange program adds a layer of efficiency to the goal of firefighter safety. The particulate-blocking hoods will reduce health risks to our firefighters and reduce heat stress during fire suppression. This will enable the

firefighters to safely respond to structure fires and remain as long as necessary to extinguish the risk to the community.

A 2010 study completed by the National Institute for Occupational Safety and Health (NIOSH) determined that firefighters have a 9% higher cancer rate than the general population, and a 14% higher risk of dying from cancer than the general population. The study also reported significantly higher percentages for some specific types of cancer. It is widely accepted that firefighters increased risk of developing health issues may be connected to their exposure to chemicals and toxic substances, primarily present in the smoke produced by structure fires. Subsequent research has robustly focused on the risk posed by dermal absorption – contaminants entering the body through the skin. The Illinois Fire Service Institute (IFSI), National Institute for Occupational Safety and Health (NIOSH), and the UL Firefighter Safety Research Institute (FSRI) have conducted several studies examining particulate exposure and the impact of laundering on PPE effectiveness. The studies reported high levels of contamination in the neck area. The Firefighter Cancer Support Network reports a 400% increase in contamination risk for every 5-degree increase in skin temperature. The culmination of studies resulted in the research and development of new PPE (particularly hoods) to reduce dermal absorption of contaminants. The research prompted National Fire Protection Association code modification (NFPA 1971) to include the protective hood as a required element for the structural firefighting protective ensemble. This code will be modified again next year to require particulate-blocking hoods as a required element. Manufacturers have created firefighting protective hoods that protect the head and neck from toxic airborne particulates, with an air permeable feature that allows clean air to flow through and allows moisture to escape to help reduce heat stress.

QUOTES

Please attach two quotes below for equipment requested.

Quote 1:

Amount Vendor Info
33889.80 Curtis

Please upload a copy here:
[Curtis Quote.pdf](#)

Quote 2:

Amount Vendor Info
44728.80

Please upload a copy here:

If two recent quotes are not attached please explain why

AGENCY HEAD APPROVING THIS REQUEST:

Prefix First Name Last Name
Norman "Brad" Bradley III

Title
Fire Chief

E-Mail
Please note that we will utilize this email address to communicate on-going status
bbradley@nwfdaz.gov

AGENCY CONTACT SUBMITTING REQUEST:

Prefix First Name Last Name
Sandy Russell

Title
Grant Manager

Complete Mailing Address
13535 N Marana Main Street

City State Postal Code
Marana Arizona 85653

E-mail
Please note that we will utilize this email address to communicate on-going status of this application
srussell@nwfdaz.gov

Office Phone Extension Mobile Phone Fax
5208871010 2940

By submitting this application form I agree that I am authorized to submit a request on behalf of the agencies and individuals listed on this application.

Type your initials below

Additional information may be requested by The 100 Club of Arizona's Safety Enhancement Stipend Committee in support of this application.

Links contained in this email have been replaced. If you click on a link in the email above, the

link will be analyzed for known threats. If a known threat is found, you will not be able to proceed to the destination. If suspicious content is detected, you will see a warning.