

PASCUA YAQUI TRIBE



REVENUE SHARING APPLICATION

SECTION A – APPLICANT INFORMATION

Date of Application: 9/24/2024 Name of Applicant: Northwest Fire District
Work Number: (520) 887-1010 Cell Number: _____
Mailing Address: 13535 N. Marana Main Street, Marana, AZ 85653
Email Address: SRussell@nwfdaz.gov

SECTION B – PROGRAM FUNDING REQUEST

Program or Project Name: Northwest Fire District Electric Vehicle Fire Suppression
Equipment Program

Project or Program Type: Government Non – Profit Other: _____

Non-profit status: In good standing Not in good standing EIN No: 86-
0472471

Amount Requesting: \$ 62,923.94 Total Project Cost: \$ 62,923.94

If approved for funding check should be addressed to: Northwest Fire District

Please note the mailing address for the check: 13535 N. Marana Main Street, Marana, AZ
85653

Has your program received funding from PYT? Yes No If so, when? 2022

Population Served by the Program/Project: Northwest Fire District extends their services
throughout the region, to include rural fire
districts, tribal entities and a community of
Pascua Yaqui members who reside within our
district.

Program Goals: The program goal is to ensure firefighter and public safety during an
Electric Vehicle (EV) fire incident by acquiring and implementing EV
suppression equipment. The following equipment is needed to implement
this program: fifteen fire suppressor blankets to smother EV fires, fifteen
emergency plug kits to disable EV engines, and twelve fire suppressor
mistlers to spray water under EV's by an unmanned source to cool the
battery compartment. As EV sales increase, correspondingly, accidents
involving EV's increase. EV accidents that involve battery damage often
result in a fire. These fires create additional challenges to first responders

due to the high temperature of the fires (4,900 degrees as opposed to a fueled engine that burns at 1,500 degrees), likelihood of the fires reigniting due to stranded energy, risk of electric shock, harmful toxic gasses, and the massive quantity of water required to suppress these fires.

Results Measured:

Much of the equipment that is being developed for fighting EV fires is born simply of desperation. Desperation, because as of now, no extinguishment method exists to deal with a battery-powered EV fire. The only methods currently recommended are extensive amounts of water, time, smothering, and more time. The requested equipment will result in our ability to limit the fire spread to the vehicle and surrounding area, reduce toxic fumes spreading into the community, cool the battery compartment, and prevent the vehicle from moving under its own power eliminating the potential of injuring first responders, members of the public, and other property. The EV equipment will enhance our safety on scene, while also protecting the public allowing NWFD to accomplish our mission of saving lives, protecting property, and caring for our community.

Indicators of Success:

The Electric Vehicle Fire Suppression Equipment Program will be a success when Northwest Fire District is able to respond quickly and effectively to an EV fire by utilizing equipment specifically designed for the unique challenges created by this type of fire, while ensuring first responder and public safety. Currently, NWFD does not have any EV fire suppression equipment. This program would provide one EV fire suppression blanket, one emergency plug, and one EV fire suppressor mister for every front-line engine in the District. The two Battalion Chiefs and Safety Officer on shift would also receive an EV blanket and emergency plug for additional response capabilities.

Current Source of Funding

Electric Vehicle fires are the result of newer technology. Northwest Fire District has not historically budgeted for this type of suppression equipment; funding was not included in the

current budget cycle.

Approached other tribes for funding: Yes No If so, what Tribe?

SECTION C – INDICATE TARGETED AREA (mark all that apply)

- Education Public Safety Transportation Health Care
 Recreation Social Services Economic Development
 Cultural, Historical and/or Environmental Protection and Restoration
 Other:

SECTION D – RESIDING CITY INFORMATION

Name of City Mayor: Ed Honea City, Town or County: Marana

SECTION E – APPLICANT CHECK LIST

- Required Supporting Documents to be Attached: Cover letter from senior elected official
 Supporting letter from governing body (city, town, county) Program detailed budget