

PASCUA YAQUI TRIBE



REVENUE SHARING APPLICATION

SECTION A – APPLICANT INFORMATION

Date of Application: 2/14/2025 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: \$ 64,439.68

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. U.S. National Transportation Board data reports
approximately 25 fires for every 100,000 EVs sold. While EV vehicle fires

occur less frequently than gas powered vehicles, the fires are significantly more dangerous. EV accidents that involve battery damage often result in fire. These fires create additional challenges for 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 gases, 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 spread of fire 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. 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. This equipment would be new to the Northwest Fire District. Our funding is derived nearly exclusively from property taxes collected from the taxpayers in our jurisdictional boundaries. The NWFD is finding it increasingly difficult to replace equipment currently in place. In addition to required replacements, other expenses have taken priority. A private ambulance provider has significantly reduced its service within the District. To ensure rapid response, the District had to purchase an additional ambulance and purchase the necessary equipment to place an additional ambulance into service, incurring an estimated \$420,000 in unbudgeted expenses. This expense along with the demand to replace our aging fleet limits our ability to implement new equipment. EV Suppression equipment was omitted from the current budget due to financial constraints.

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: Jon Post 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