



**Northwest Fire District  
Governing Board**  
13535 North Marana Main Street  
Marana, Arizona

**SCHEDULED**

**MEMORANDUM NO. {{item.tracking\_number}}**

---

**Date:** February 27, 2024  
**To:** Governing Board  
**From:** Sandy Russell, Analyst  
**Division:** Finance Services  
**Type of Action:** Formal Action/Motion  
**Strategic Plan Goals:** Create greater financial efficiencies and ensure financial sustainability and responsibility  
**Agenda Item:** Adoption of Resolution No. 2024-002 Approving the Submittal of a Grant Application to the Arizona Department of Forestry and Fire Management in the Amount of \$141,203 to Purchase Battery Powered Positive Pressure Ventilation Fan and Tools

---

**RECOMMENDATION:**

The Northwest Fire District (NWFD) Equipment Work Group and staff recommends approval of Resolution No. 2024-002 submitting a grant to purchase battery powered positive pressure ventilation fan and tools.

**MOTION:**

Move to adopt Resolution No. 2024-002 approving the submittal of a grant application to the Arizona Department of Forestry and Fire Management in the amount of \$141,203 to purchase battery powered positive pressure ventilation fan and tools.

**DISCUSSION:**

The decision to apply for this grant application was identified in a timeframe which did not allow for prior Board approval as the application deadline was February 2, 2024. As required in the District's Grant Policy, should application time constraints limit prior Board approval, temporary approval to submit the application can be obtained from the appropriate Assistant Fire Chief, with formal Board approval required at the next scheduled Board meeting.

The battery powered positive pressure ventilation fan project was initiated by the NWFD Equipment Work Group in April of 2021. The primary objectives of improving safety of frontline personnel and seeking equipment efficiencies by leveraging advancements in technology led to the evaluation of the current gas-powered positive pressure ventilation fans against battery powered platforms. The evaluation in June 2021 resulted in the recommendation of converting the fleet of frontline apparatus to battery powered positive pressure fans and associated tools.

The greatest safety benefit is the elimination of carbon monoxide exposure to firefighters due

to operating gas-powered ventilation fans. Additionally, hydrocarbon products such as fuel and oil for the fans could be eliminated along with the routine maintenance of a gas-powered power plant. An added benefit was the reduction of noise associated with battery powered equipment, thus improving hearing conservation practices. An additional feature and value of the battery operated fans is that they are compatible with misting components that were not available with the current gas-powered units. This feature will provide rehabilitation services to our first responders.

**ALTERNATIVES:**

None recommended.

---

**Fiscal Impact**

**FISCAL YEAR:** 23/24

**BUDGETED Y/N:** No

**AMOUNT REQUESTED:** \$14,120

**FISCAL IMPACT:** The District would have a 10% match obligation of \$14,120. This expense would be from the fund balance in the Grant Fund.

---

**Attachments**

Resolution No. 2024-002  
DFFM Application  
Questionnaire (Form A)  
Budget (Form B)  
Equipment Quote  
Letter of Support – Representative Teresa Martinez  
Letter of Support – Representative Juan Ciscomani