



PFD UAS 2024 Year-in-Review

January 1 – Dec 31, 2024



971

Total Flights

146.2

Flight Hours

9

Drones

10

Pilots

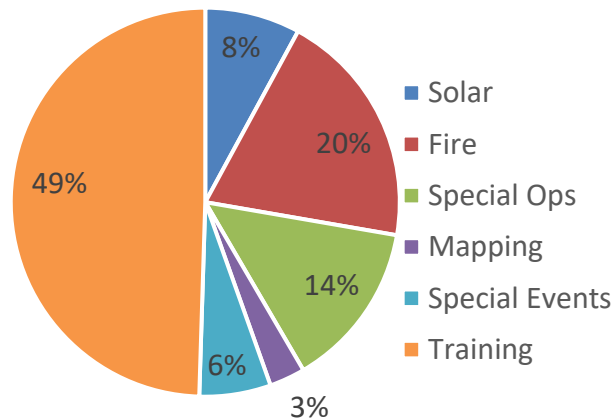
2

Visual Observers

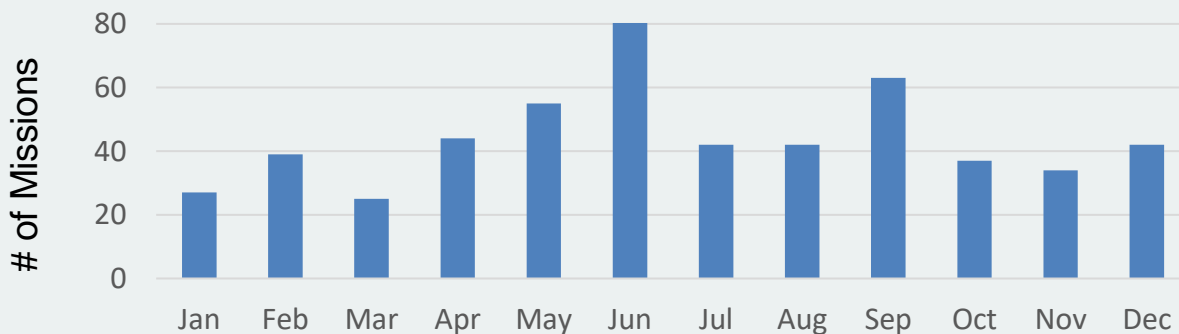
Overview

In 2024, the Phoenix Fire Department's Unmanned Aerial Systems (UAS) program continued to expand its capabilities and impact, solidifying its role as an essential tool for emergency response and operational efficiency. Equipped with both tethered and non-tethered drones, the program provided critical support for incident assessments, including Fires, Prevention, Special Operations, as well as Special Events. With a focus on innovation and member engagement, the program delivered real-time aerial intelligence, improved situational awareness, and helped ensure the safety of first responders and the community alike.

Missions



(Non-Training) Monthly Activity



The Phoenix Fire Department's UAS program began flying missions for Fire Prevention, including outside storage inspections and solar panel inspections, to enhance efficiency and safety. Using drones for these tasks allows inspectors to quickly and thoroughly assess hard-to-reach or expansive areas without the need for ladders or other equipment, significantly reducing time and physical risks. This innovative approach not only improves the quality of inspections but also ensures compliance with fire codes more effectively, supporting the department's mission to protect the community.



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● Large Events



3rd Alarm Structure Fire.



Mountain Rescue - Camelback



Apartment Fire



Large Brush Fire



Storm Assessment



Structural Collapse



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● Advancements



AZ Task Force-1 utilized UAS for the first time when deployed to New Mexico.



Implemented Tethered Drones

● Community

The Phoenix Fire Department's UAS program plays a vital role in supporting community events by providing aerial oversight to enhance safety and operational coordination. Drones are used to monitor large gatherings, offering real-time situational awareness to ensure swift responses to potential emergencies. Through these efforts, the UAS program fosters a safer environment for attendees while highlighting the innovative use of technology in community-focused initiatives.



Fallen Firefighter Memorial



Community Service Fund Drive

Enhanced Situational Awareness

Increased Efficiency

Increased Safety

Cost Effective Solution