

## MINUTES

**Central Arizona Fire and Medical Authority  
Central Arizona Fire and Medical Authority Board of Directors  
Regular Meeting  
Monday, May 23, 2022, 5:30 pm - 6:30 pm  
Central Arizona Fire and Medical Authority, Administration, 8603 E. Eastridge Drive,  
Prescott Valley**

### **In-Person Attendance**

Darlene Packard; Dave Tharp; Kathy Goodman; Matt Zurcher; Rick Anderson;  
Scott A Freitag; Susanne Dixson

### **Remote Attendance**

Dave Dobbs; Nicolas Cornelius

### **Not In Attendance**

Owen Mills

## **NOTICE OF MEETING**

1. CALL TO ORDER / ROLL CALL OF BOARD MEMBERS

**Chair Zurcher called the meeting to order at 5:41 p.m.**

2. PLEDGE OF ALLEGIANCE

**Chair Zurcher led the Pledge of Allegiance.**

3. CORRESPONDENCE AND PRESENTATIONS

**Chair Zurcher reported that Director Mills tendered his resignation today for both the Chino Valley Fire District and the Central Arizona Fire and Medical Authority Boards. He expressed that Director Mills will be missed.**

- A. CAFMA Drone Program

**Chief Freitag stated that he requested this presentation for many reasons, but it was in large part due to successful drone deployment during the recent U-Pick-It Fire.**

**Captain Karl Postula provided a presentation on CAFMA's Drone Program. The presentation is attached.**

**Chair Zurcher inquired as to whether the police department has their own drone or still requests CAFMA assistance. Captain Postula responded that CAFMA was the first local agency to create a drone program. Prescott Valley Police Department and YCSO now have their own drone programs, and Prescott Fire and Prescott Police have a joint program.**

**Director Anderson inquired as to the cost difference between the Agency's current drone and a new drone. Captain Postula replied that the current drone**

cost about \$4,500. The new non-Forward Looking Infrared (FLIR) costs \$10,000; the price with FLIR would be \$14,000.

Chair Zurcher inquired as to the likelihood of receiving grant money. Captain Postula stated that it should be possible. Chief Freitag added that there is also the possibility of tribal grants.

B. Letters from the Public and Board Recognition

**Chair Zurcher stated that Human Resources Manager Patty Brookins retired a few weeks ago; the Board will present a certificate to her at the next Retirement Ceremony.**

4. REPORTS

A. Board Member Reports

**Chair Zurcher attended the Dewey-Humboldt Wildfire Expo a few weeks ago; it was a good crowd and he enjoyed his time.**

B. Division Reports

**Chief Freitag spoke with Priority Ambulance regarding their Certificate of Necessity (CON), which was approved in March, and they reported that the Bureau of EMS is busy and will not be able to issue their CON before July 10, 2022. The Bureau is also having difficulty understanding the urbanicity response time standards set forth in Priority's CON. Urbanicity response time standards have been in State statute for years, but the Department of Health Services does not adhere to them. He also reported that the Agency's recruiter received 22 candidates for the Human Resources Manager position, narrowed down to 12 that will go through a pre-interview. The recruiter will have packets to Staff by June 2, 2022 and final interviews will be held June 15 and 16, 2022. There will be a meet and greet reception for employees and families at CARTA on the June 15th.**

5. CALL TO THE PUBLIC

**There were no public comments.**

6. CONSENT AGENDA

A. Approve Budget Work Study Session Minutes - April 18, 2022

B. Approve Regular Session Minutes - April 25, 2022

C. Approve Executive Session Minutes - April 25, 2022

D. Approve General Fund Financial Statements

E. Approve Fire Protection Agreements: Weber

**Motion to approve the Consent Agenda.**

Move: Rick Anderson Second: Darlene Packard Status: Passed

Yes: Dave Dobbs, Darlene Packard, Matt Zurcher, Rick Anderson

7. VOTE TO GO INTO EXECUTIVE SESSION

**Executive Session was waived.**

- A. Legal Advice Pursuant to A.R.S. §38-431.03(A)(4) Regarding The Radio Guy LLC and SpeedConnect Sublease Agreements
- B. Legal Advice Pursuant to A.R.S. §38-431.03(A)(4) Regarding Agreement for Communications Infrastructure Expansion

8. OLD BUSINESS

- A. Discussion and Possible Action Regarding the Radio Guy LLC and SpeedConnect Sublease Agreements

**Attorney Cornelius reminded the Board that The Radio Guy signed an agreement; however, he did not pay rent per the agreement. Attorney Cornelius then sent notice of termination to The Radio Guy. He has also been in touch with SpeedConnect, but they did not respond by the time of this meeting. He will follow-up with SpeedConnect tomorrow. Each was informed in writing that they had until the end of this month to respond.**

9. NEW BUSINESS

- A. Discussion and Possible Direction to Staff Regarding Agreement for Communications Infrastructure Expansion

**Chief Rose reminded the Board that Priority Ambulance will begin working in the area once they receive their paper CON. Priority would like to move into the Prescott Regional Communications Center (PRCC) so they may dispatch jointly with Fire, but PRCC would need to expand the areas to which they can dispatch, including Wickenburg and Williams. The ability is there; Priority would pay the monthly fee for the private Yarnell site. Chief Freitag added that CAFMA would own and maintain the equipment, and that this is something that falls under Agency long-term plans to expand, but this would push up the timeline.**

**Chair Zurcher instructed Staff to begin looking at frequencies and continue working on the agreement.**

- B. Discussion and Possible Approval to Purchase a Warehouse Delivery Vehicle Not to Exceed \$85,000

**Chief Rose reminded the Board that a Warehouse vehicle was discussed in a previous Board meeting, but a vehicle was not available at the time. He reported that there is currently a vehicle available in Pennsylvania that will be available in July. The price out the door is \$70,995, not including tax and tags.**

**Motion to approve the purchase of a Warehouse delivery vehicle not to exceed \$85,000.**

Move: Darlene Packard Second: Rick Anderson Status: Passed

Yes: Dave Dobbs, Darlene Packard, Matt Zurcher, Rick Anderson

- C. Discussion and Possible Action Regarding Fire Chief's Evaluation

**Chief Tharp advised the Board that the Fire Chief's evaluation is scheduled for next month in Open Session. Board members have been emailed the evaluation form, and should return completed evaluations to Chief Tharp or to their CAFMA representative.**

**Attorney Cornelius confirmed that Chief Freitag wants his evaluation in Open Session.**

10. ADJOURNMENT

**Motion to adjourn at 6:17 p.m.**

Move: Darlene Packard Second: Rick Anderson Status: Passed

Yes: Dave Dobbs, Darlene Packard, Matt Zurcher, Rick Anderson

DRAFT



*CAPTAIN K. POSTULA*

# ***CENTRAL ARIZONA FIRE DRONE PROGRAM***



**CENTRAL ARIZONA  
FIRE**



# PROGRAM HISTORY

- December 2018 Structure Fire Inspiration
  - County Building Department Used Their Drone
- Research Drone Program Implementation
  - Significant Process for Public Agencies
- Policies, Procedures, Training, Budget
- Form 107 Certified
- First Day In Service 9-18-2019
- First Fire Department Drone Program Locally
- Currently 6 Pilots (In Training)



# HOW DO DRONES HELP?



- Real Time Aerial View (Up to 400 Feet)
- Force Multiplier
  - (Cover Ground Faster)
- Increase Situational Awareness
- Improve Firefighter and Public Safety
- Improve Documentation and After Action Reviews
- Aides In Preplanning
- Able to Live Stream an Incident to Command
- High Resolution Ortho Mosaic Maps



An aerial photograph of a blue drone with the identifier 'E-54' on its top deck. The drone is positioned on a large, rectangular concrete slab. The surrounding area is dark, possibly asphalt or a wet surface, with some patches of snow or ice. The drone's landing gear and propellers are visible. The text 'WHEN DO WE USE OUR DRONES?' is overlaid in large, bold, white letters with a red outline across the center of the image.

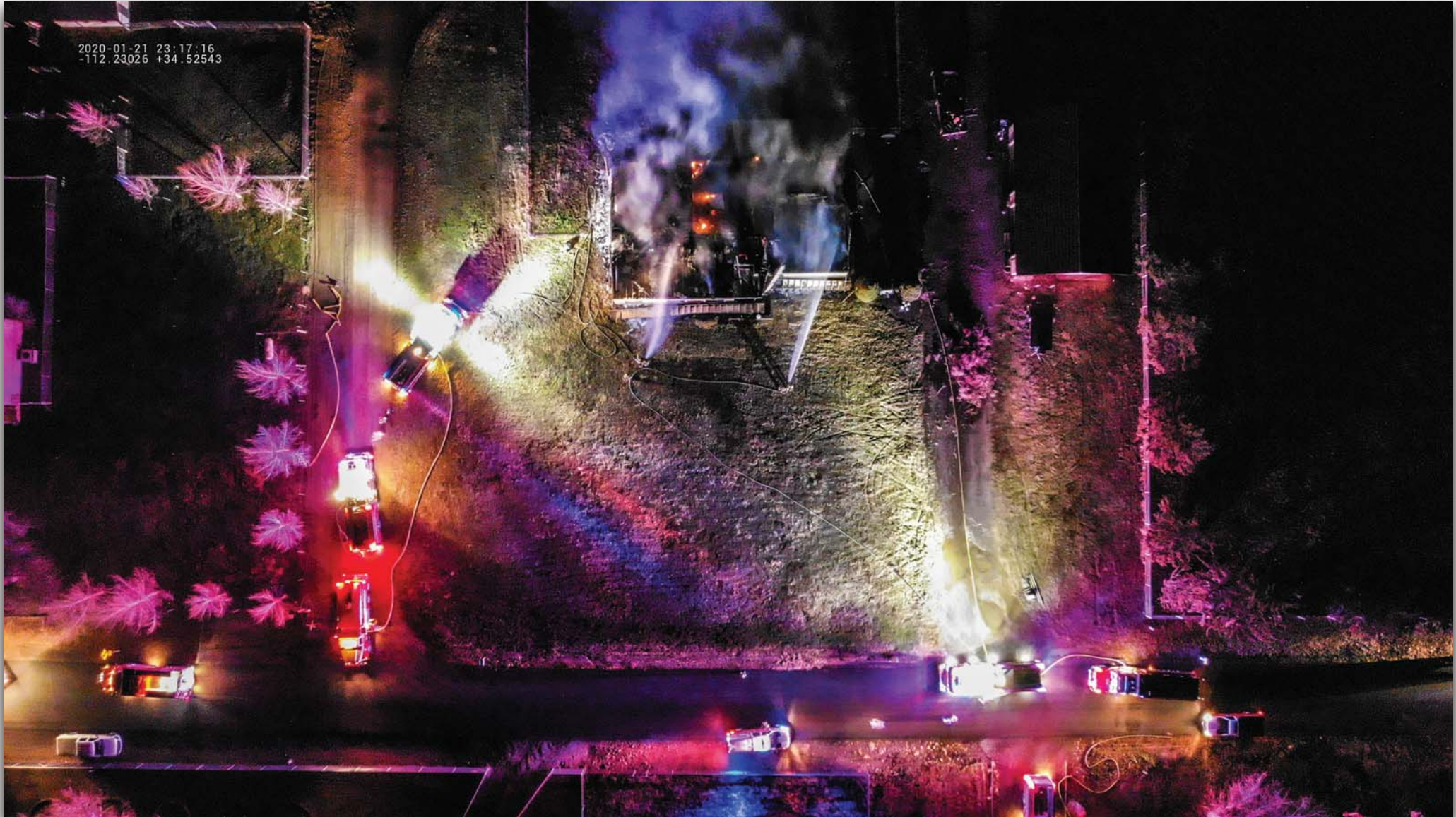
**WHEN DO WE USE  
OUR DRONES?**

# STRUCTURE FIRES

- Aerial View of Resources
- Hazard ID
- Assessing Structural Stability
- Exposure Awareness
- Fire/Heat Location with FLIR (Forward Looking Infrared)
- Active 360
- Scene Mapping
- IC Can Make Informed Decisions



2020-01-21 23:17:16  
-112.23026 +34.52543



# WILDLAND FIRES



- **Prior To Arrival of Forest Service or State Air Attack**
- **Increase Situational Awareness**
- **Determine Exposures**
- **Identify Fire Spread and Head Direction**
- **Identify Shelter/Safety/Evacuation/Escape Routes**
- **Mop Up (Hot Spot ID)**
- **Incident Mapping**

# HAZMAT

- Provide Aerial Reconnaissance and Remote Hazmat Monitoring
- ID of an Environment that is IDLH
- Capability to Quickly ID Injured Persons
- Determine Exposure Issues
- Determine the Problem (Leaking/Ruptured Tank, Broken Valve, Fire/Flame Impingement, Structural Integrity, Direction of Spill Flow, etc.).
- Hazardous Polymerization/Reactive Chemical ID (FLIR)
- Chemical ID
- Increase Situational Awareness



# SEARCH AND RESCUE



- Swift Water

- Scout Down Stream or Locate Victims
- Scout Upstream to ID floating Hazards
- Able to Deliver a LifeVest to a Victim

- MVA's

- Located Victims During an Ejection

- Trail Rescues

- Visual Beacon
- Help Assess Routes For Rescue Team

- Missing Children or Elderly

# TRAINING AND PREPLANNING

- A Tool For After Action Reviews
- Training Videos
- Incident Pre-plans
  - High Resolution Maps
- Risk Assessments
- Damage Assessments
- Support Services
  - Facilities and IT-Infrastructure Inspection
- Promoting Our Organization
  - Public Education



# CAFMA'S FLEET

## Mavic 2 Enterprise Dual x2

- 4K and FLIR Cameras
- Digital Zoom
- Strobe, Spotlight, Speaker Payloads
- 30 Min Flight Time Per Battery
  - U-Pick It Fire (2.5 hrs Airtime)
- 2 Mile Range





# **CAFMA'S FLEET** Continued...

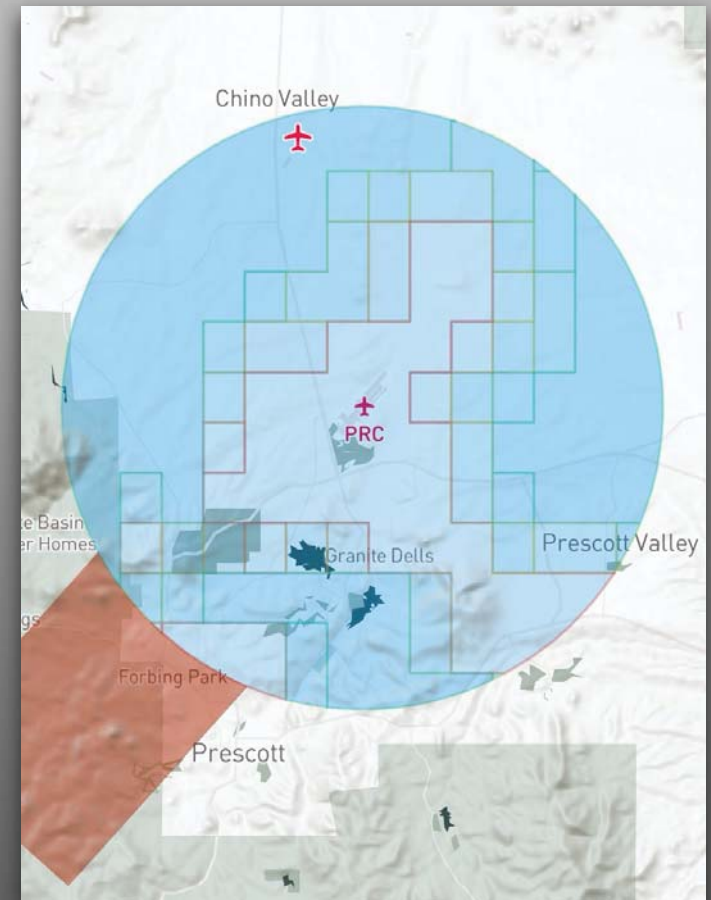
## **Mavic Mini 2 Training Drone**

- **4K Camera**
- **Same Flight Controls as Main Aircraft**
- **31 Min Flight Time Per Battery**
- **2 Mile Range**



# CURRENT LIMITATIONS

- **Airspace**
  - **Class D Airspace**
- **Weather**
  - **Not Waterproof**
- **Extreme Heat/Cold**
  - **Batteries Limited To 95 Degrees F**
- **Batteries**
  - **Full Battery Storage**
- **Small FLIR Sensor**
  - **Limited Ability To Search For People**
- **FAA Remote ID Laws**
- **Line Of Sight**
- **400 FT AGL**



# DRONE PROGRAM FUTURE

- **New Pilots Being Trained**
  - **At Least One Pilot in Each Battalion/ Each Shift**
- **1 Drone in Each Battalion**
  - **Goal is to Store Them On BC Trucks**
- **Quarterly Training Development**
- **Certificate of Authority**
  - **Allows CAFMA to Have Its Own Predetermined Airspace with the FAA**
  - **Ability to Train Numerous Pilots In House**
  - **This Will Allow Us To Fly Where Needed**



# DRONE PROGRAM FUTURE



- Grant Funding For New More Capable Aircraft
  - ***Matrice M30T***
    - Superior Infrared
      - Search and Rescue
    - 200x Zoom
    - 42 Min Flight Time
    - Waterproof
    - Extreme Heat/Cold Capable
    - Laser Range-Finding
    - Future Base Station Ready

CENTRAL ARIZONA  
FIRE

**QUESTIONS?**

DRONE RESPONSE TEAM