

New Mexico Forestry Division

George Ducker

Prevention & Communications Coordinator



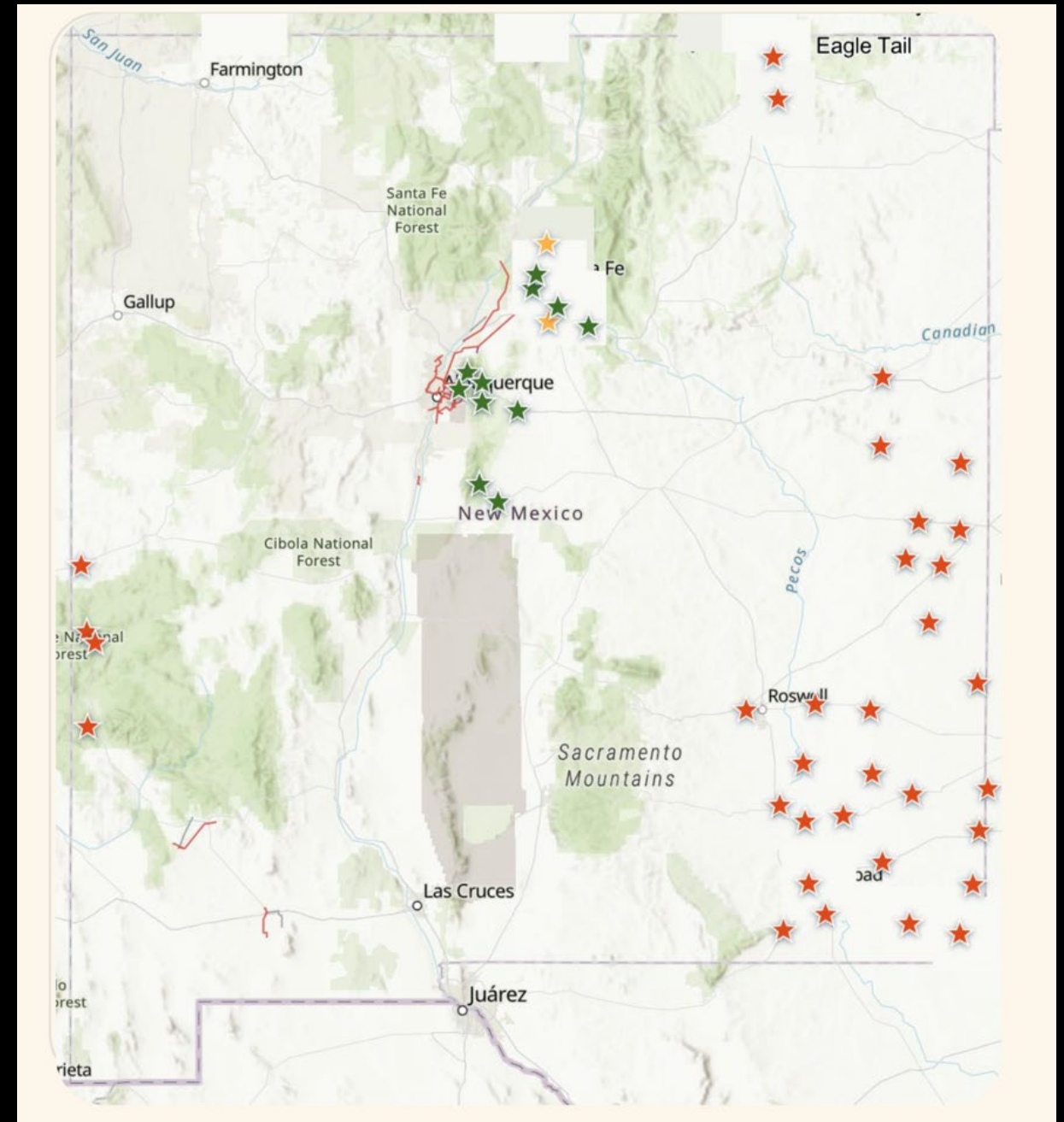
Pano cameras in New Mexico

2025 – NM Legislature allocated \$300,000 to support the state's pilot program for 10 early detection wildfire cameras

- Created state's first comprehensive AI enabled wildfire detection network
- Response to catastrophic wildfires in 2022 and 2024
- In-line with recommendations from a Senate Memorial 2 wildfire study group

2026 – NM legislature approved a 1-year special appropriation to provide additional 11 cameras throughout the state

- Guided by data on wildfire risk, home density and vulnerable watersheds





One state. One mission.

Multiple partners operate Pano stations across New Mexico: utilities, the State, and municipalities.

Together, we are building a statewide wildfire detection network

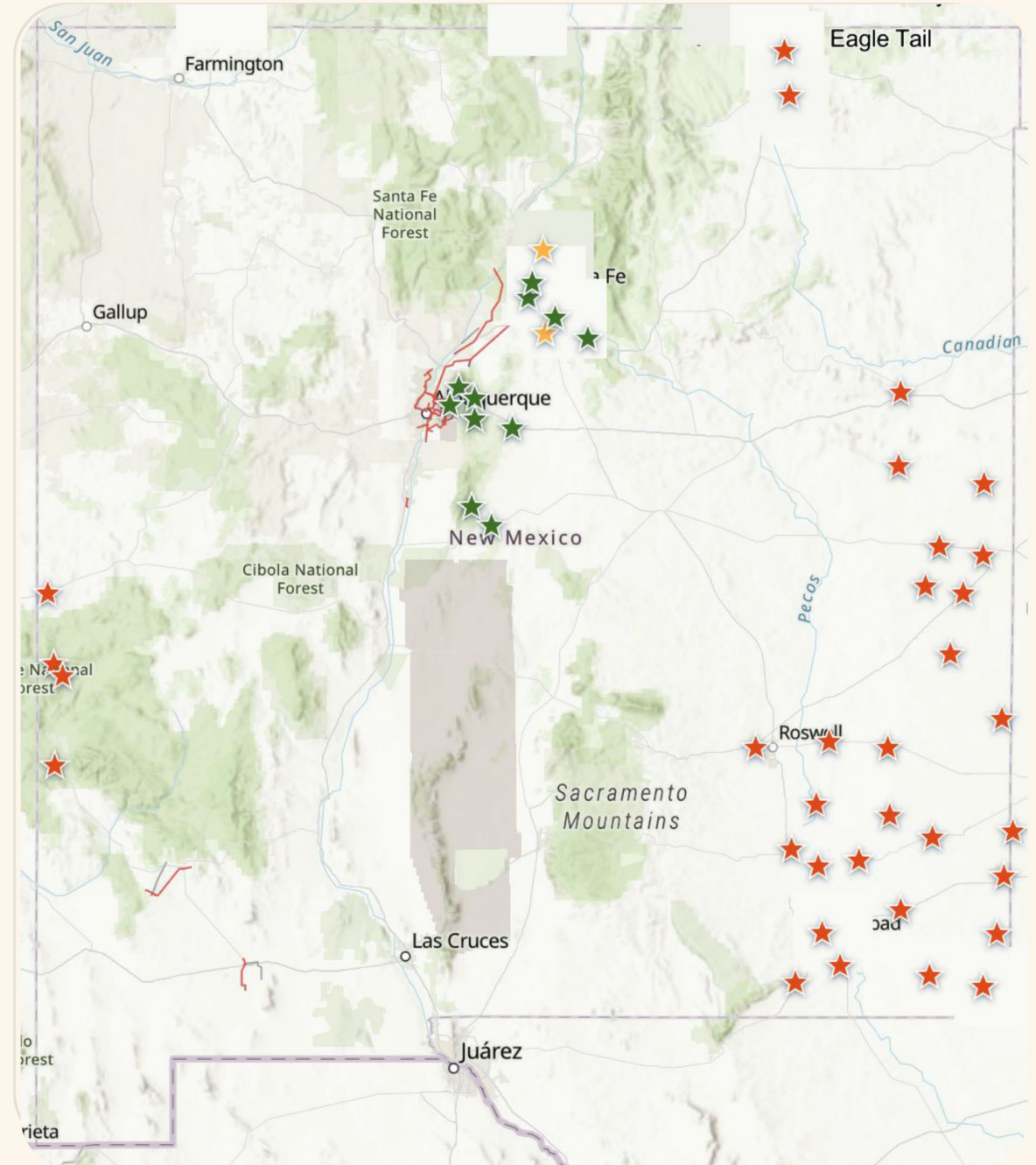
CAMERAS BY PARTNER

 PNM	2
 EMNRD · State Forestry	21
 Xcel Energy	30
 TEP	4
 City of Raton	2

NEW MEXICO NETWORK **59**

By partnering across the state, Pano reaches high-risk country no single deployment could cover alone.

58 Stations and Counting



Pano cameras in New Mexico

Location consideration for new camera placement:

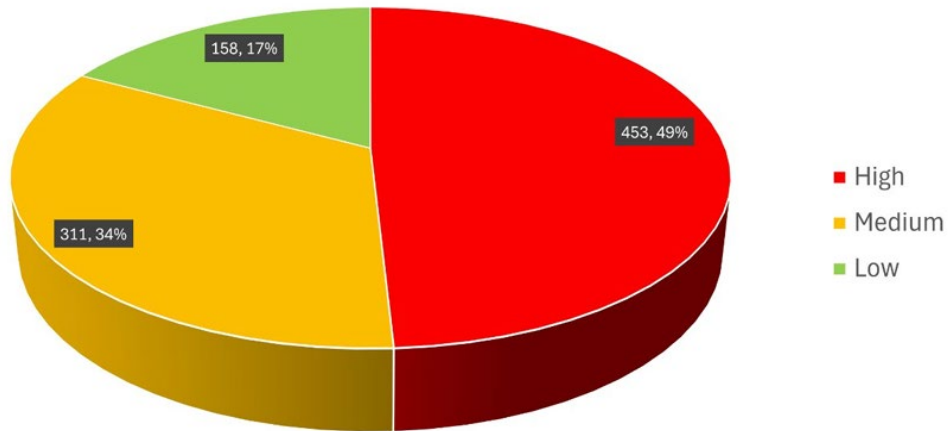
- WUI communities
- Areas at high risk for wildfire
 - Sourced from Communities at Risk Report (CAR)
- Locations with available sites for installation
- Maximizing “viewsheds” for multiple-point triangulation
- Most bang for the buck



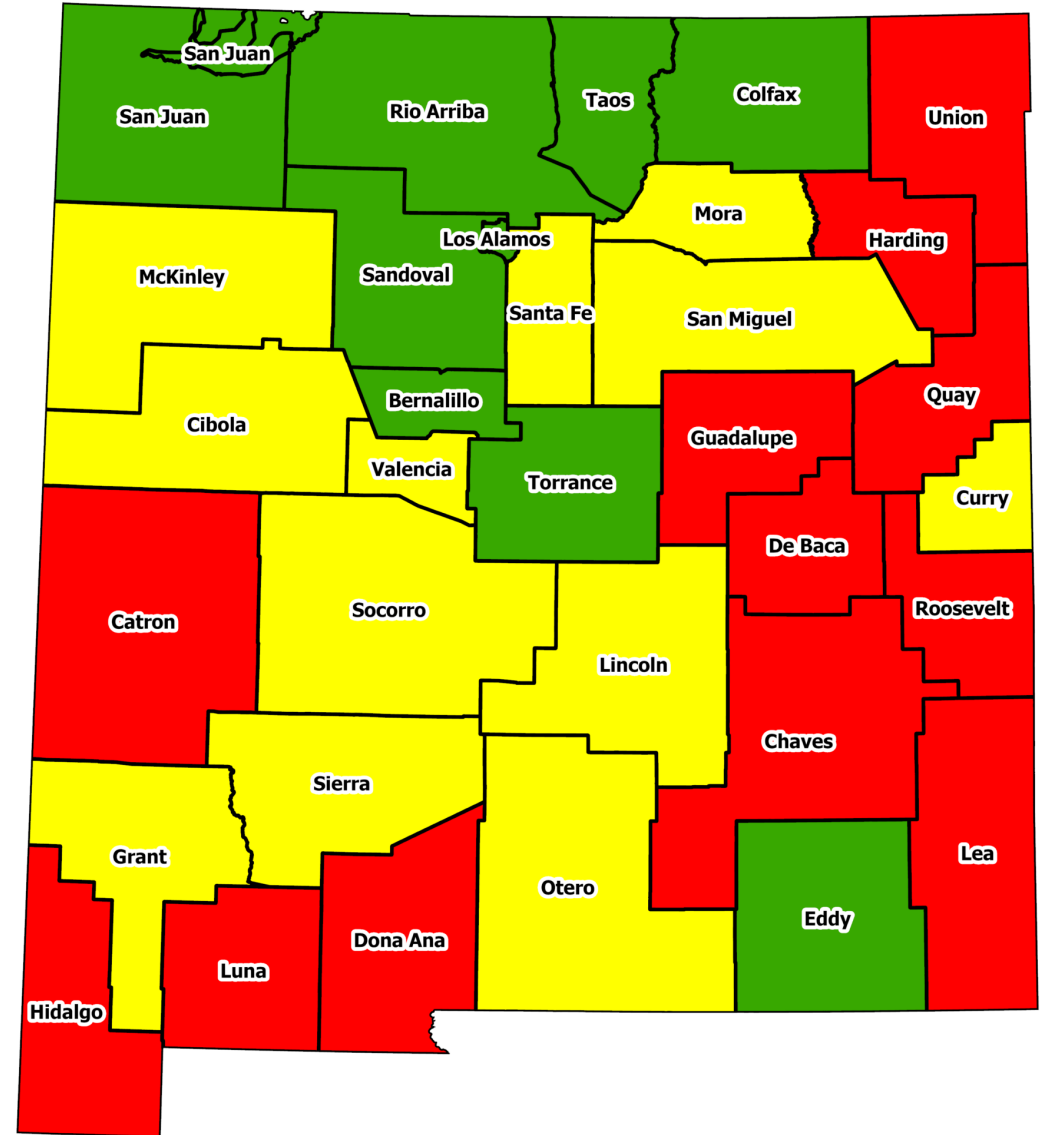
Communities at Risk Report (CAR)

- Updated every year, based on CWPPs
- Identifies communities at high risk to wildfire
- Currently 453 communities across the state
 - nearly 50% of New Mexico at high risk

Communities at Risk Statewide Totals

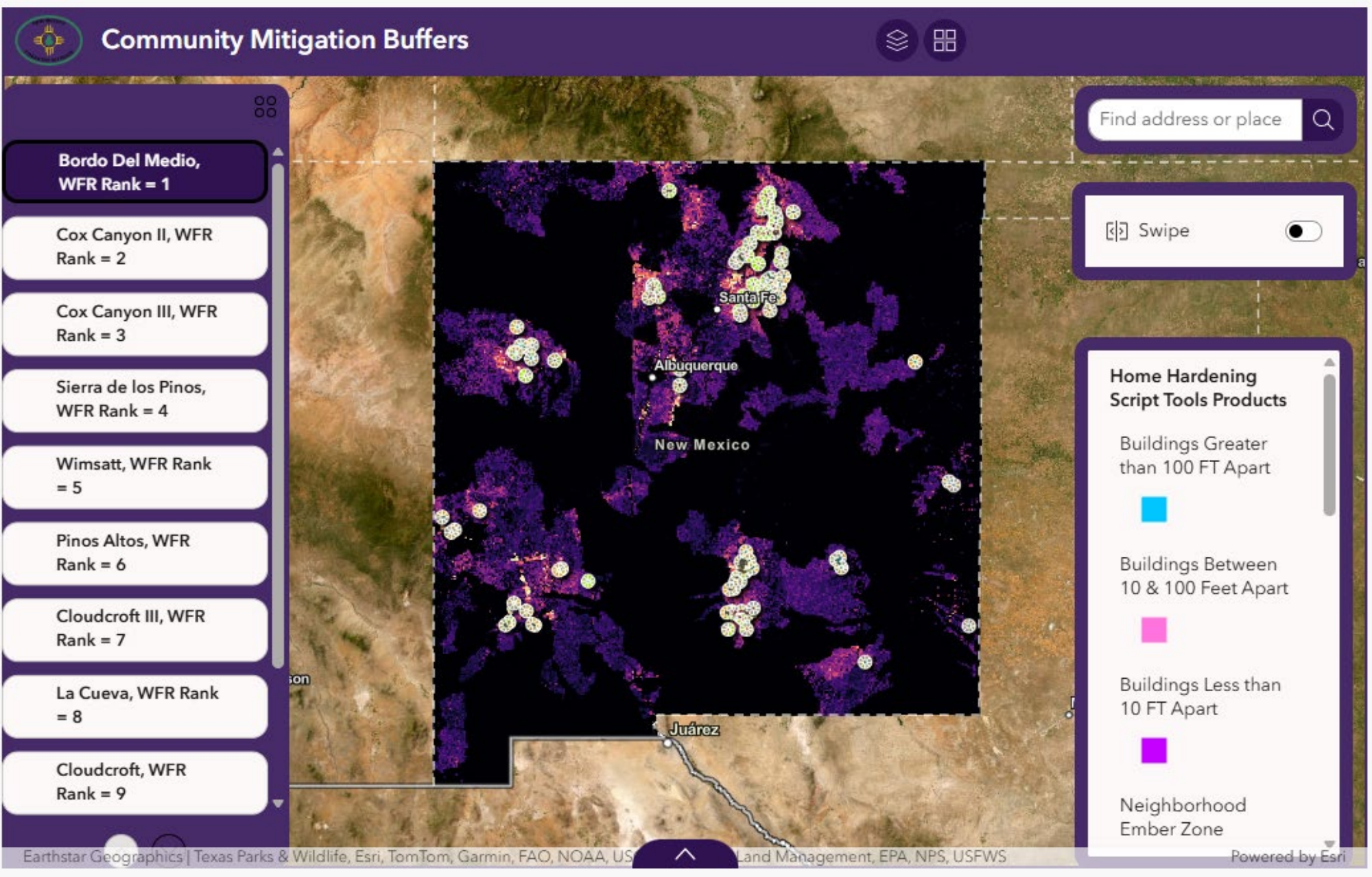


New Mexico CWPP Update Status (2025)



CWPP 2025

Communities at Risk / Treatments Interactive Map

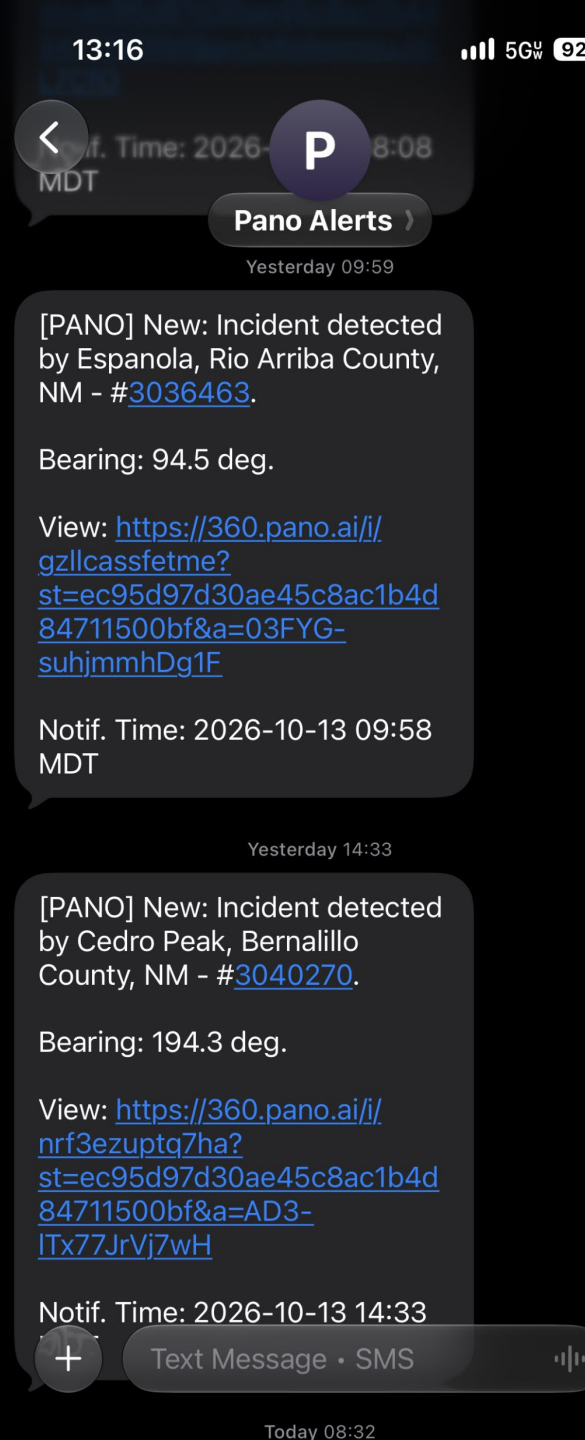
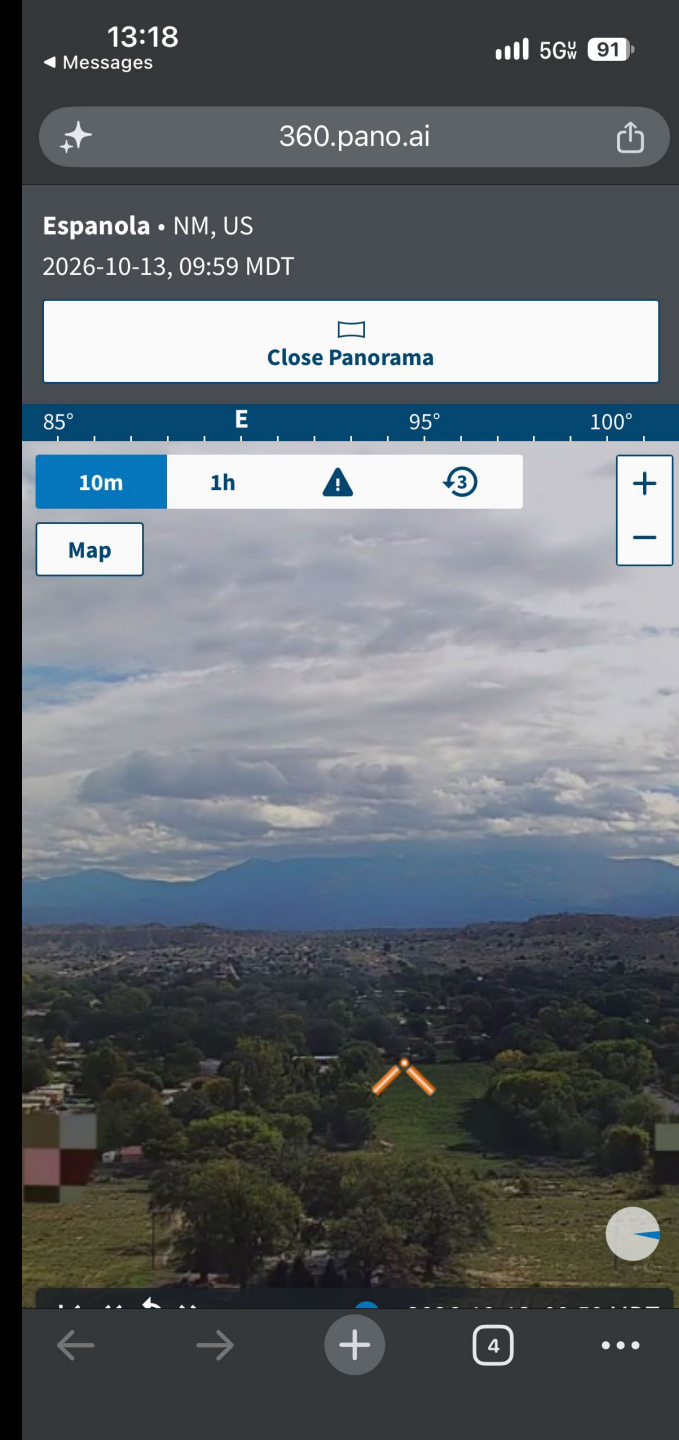


NM
Forestry
Division

Staff Side Functionality of Pano Tech

Increasing fire intelligence for new starts / initial attack

- Alert is created when camera sees smoke
- Alert travels to dispatchers, state, cooperating agencies via text and/or email
- Contains a bearing location (if one camera) or a lat/long (if two or more cameras)
- Operators can zoom in, note column size, terrain and other features
- Helps bridge gaps that exist through traditional methods – ex: public call-in, accessibility



Staff Side Functionality of Pano Tech

Pano Dashboard elements

- Active wildfire footprints
- Thermal hotspots
- Temperature, wind speed and weather
- Lightning layer between 0-72 hrs
- Developing more functionality to improve fire intelligence
- Very responsive to agency input / improvement requests
- Not a replacement for our other systems, but an addition to those systems

The screenshot displays the Pano Tech dashboard interface. On the left, there are two tabs: 'Incidents' and 'Stations', with 'Stations' currently selected. Below the tabs is a search bar labeled 'Search station ID number, county, etc.'. Two station cards are visible: 'Mountainair' in Torrance County with coordinates 34.52522, -106.24398, and 'Rowe Mesa' in San Miguel County with coordinates 35.46203, -105.65405. The central map shows a geographic area with various markers, including lightning bolts and station icons. On the right, a 'Layers' panel is open, showing 'NOAA Weather' data with options for Temperature, Humidity, Wind Speed, Wind Gusts, and Wind Direction. The 'Integration' section includes toggles for Aircraft and Lightning (0-24 hours). The 'Public' section has a toggle for Red Flag Warnings.

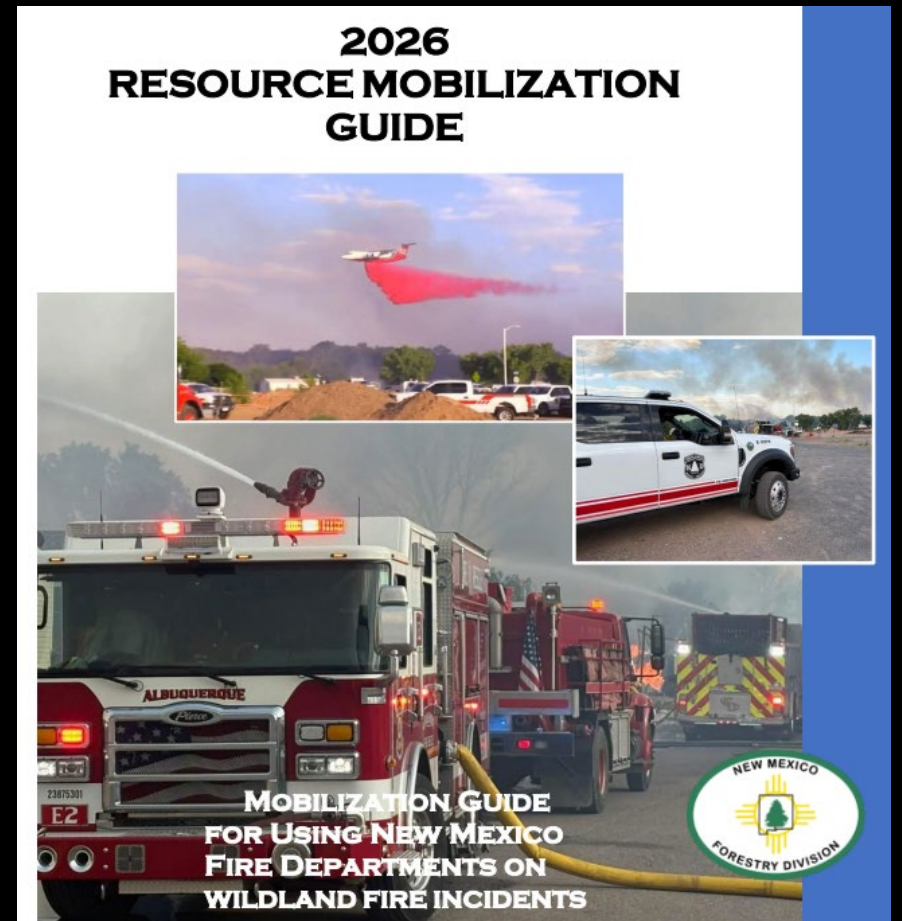
Resource Mobilization Program (RMP) Cooperators

NM Forestry Division works with county and municipal cooperators to strengthen response coordination.

- Cooperators have access to cameras and dashboard technology
- Training provided
- Growing network of users

Users include

- SW Area Coordination Center
- Cibola National Forest
- EMNRD – Forestry Division
- Bernalillo County
- Torrance County
- NWS Albuquerque
- Santa Fe National Forest
- Silver City Dispatch Center
- Santa Fe Interagency Dispatch Center



Thank you!



george.ducker@emnrd.nm.gov