

Museum Flood Mitigation Updates

June 28, 2022





Agenda



- Monsoon forecast
- Emergency management overview
- Volunteer events
- Financial focus group
- Project updates
- Communications

Monsoon 2022 Forecast

National Weather Service





Your National Weather Service

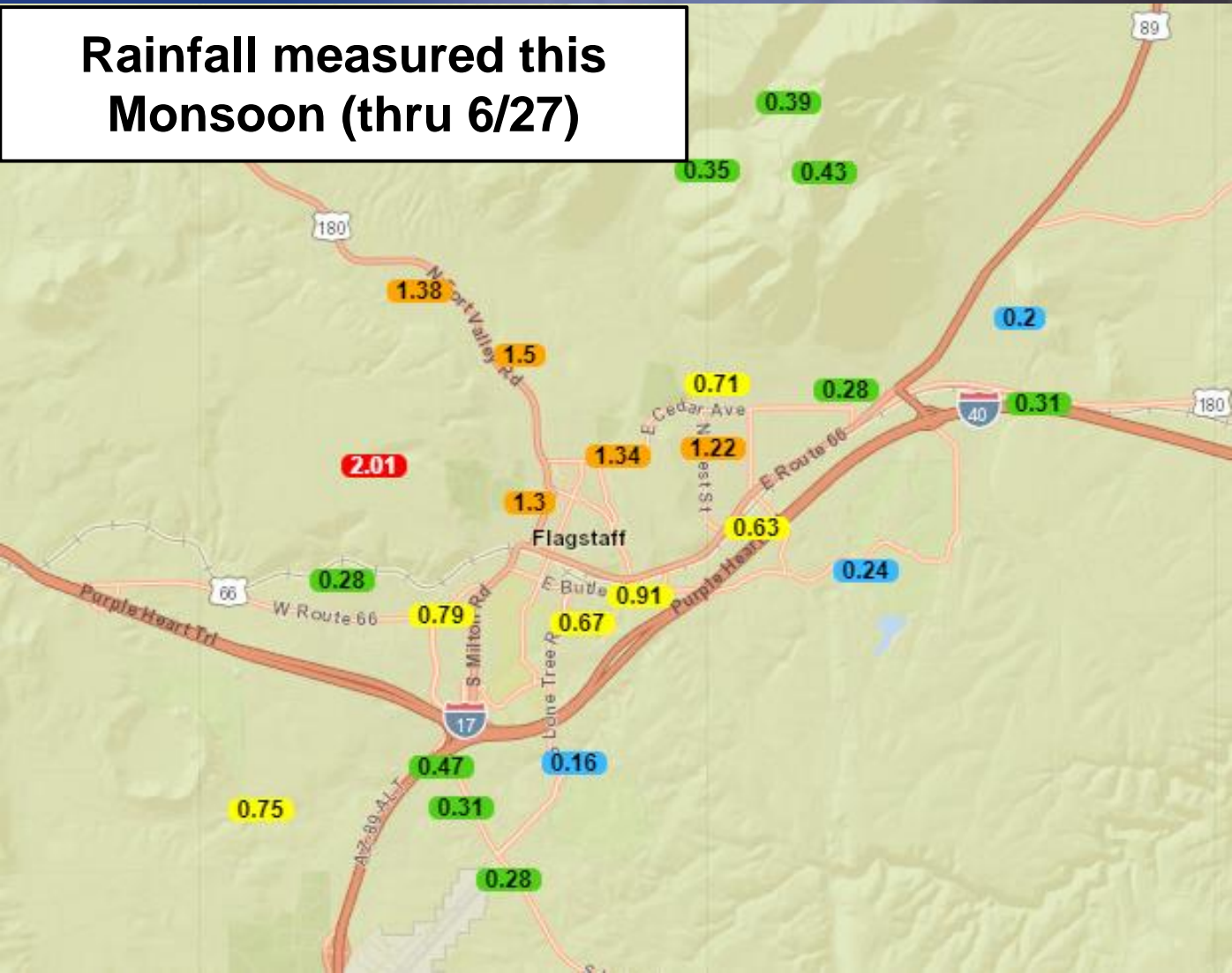
- Our Mission is to serve as the authoritative source of weather data, forecasts and warnings, for the protection of lives and property over northern Arizona.
- 22 dedicated professionals serving you 24/7.
- Great history of working closely with the City and County in providing critical forecasts and alerts to our community.



The 2022 Monsoon Begins Early

Great start to the 2022 monsoon (with a price).

Rapidly diminishing fire risk, evolving into the traditional monsoon threats of storms, locally heavy rain, and flooding.





Next Three to Four Weeks

Typical ebb and flow of the Monsoon over the next month.

Wet periods (later this week), followed by a 'monsoon breaks'.

Flood threat over area burn scars will be high this Summer.

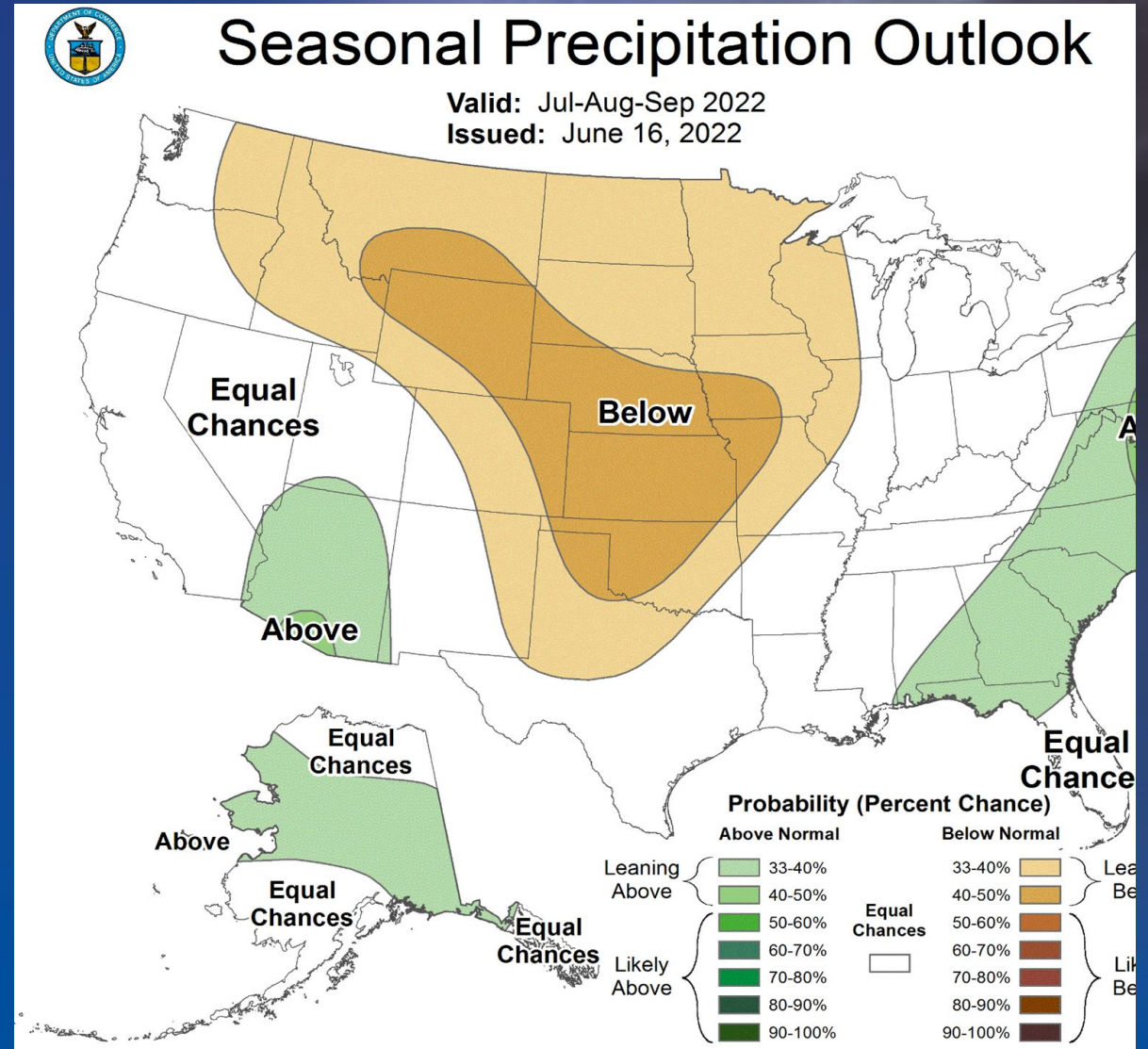




Outlook for Monsoon (July-Sept)

Leaning toward above normal precipitation for the monsoon period.

Enhanced threat of flooding over area burn scars will continue.





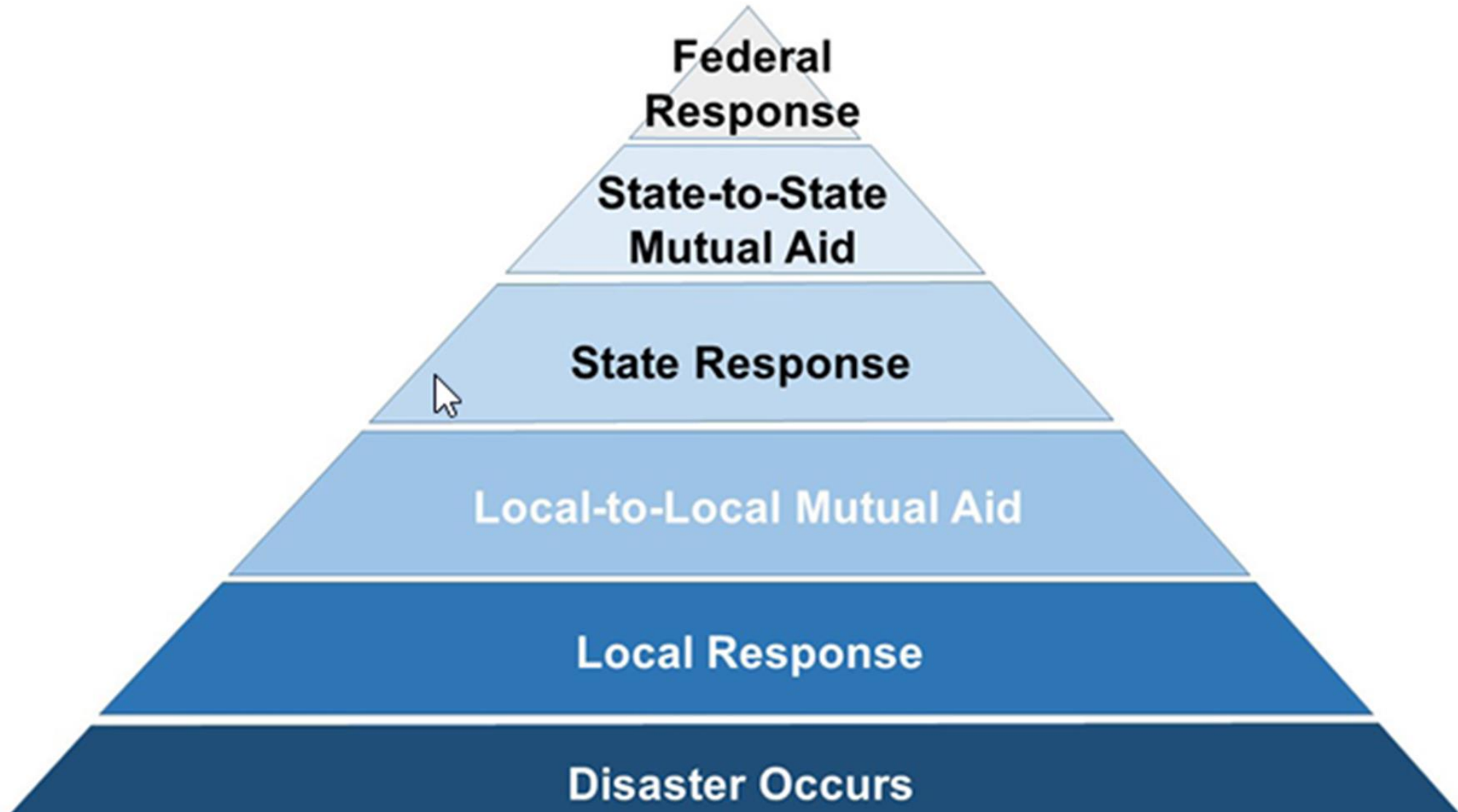
Emergency Management



Emergency Management is the managerial function charged with creating the framework within which the City of Flagstaff will reduce vulnerability to hazards and cope with disasters.



Emergency Management





Authorities

Arizona Revised Statutes

- Title 26-308

Flagstaff City Code

- Chapter 1-22



City Services Contributing to the Phases of Emergency Management



Preparedness

- EOP
- Hazard Mitigation Plan
- COOP Plan
- EOC Operations SOPs
- PFAC Exercise
- Training
- Wildfire Preparedness Plan
- COF Climate Action and Adaptation Plan



Response

- Fire
- Police
- Dispatch
- Public Works
- Water Services
- Storm Water
- Communications
- Community Development



Mitigation

- Flagstaff Watershed Protection Project
- Rio de Flag
- Development Standards
- Code Enforcement
- Sustainability



Recovery

- Public Assistance
- Individual Assistance
- Red Cross
- BAER

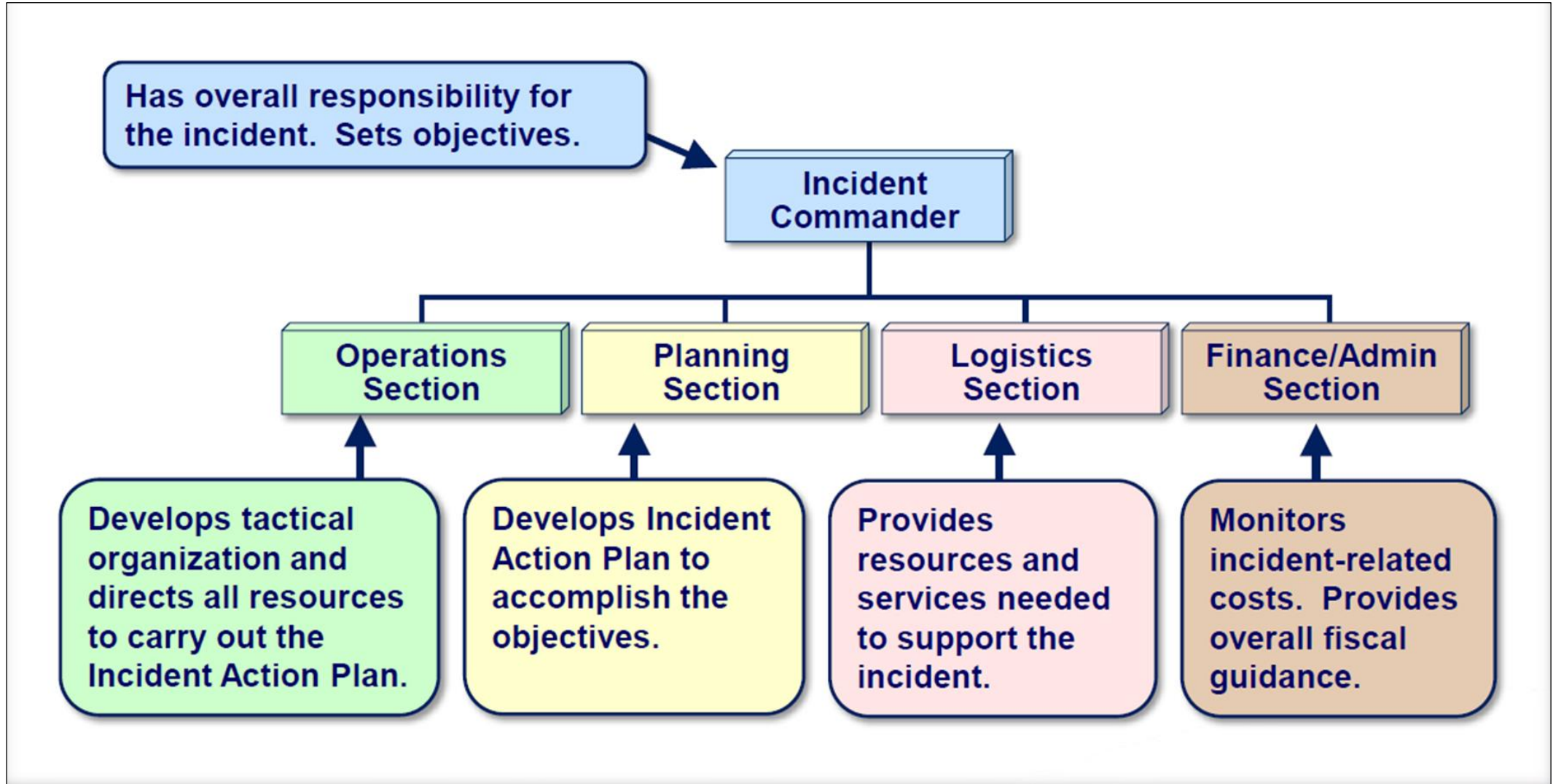


What is ICS?

- The Incident Command System (How we organize and how we communicate):
 - Is a standardized, on scene, all hazards incident management concept.
 - Allow its users to adopt an integrated organization structure to match the complexities and demands of single or multiple incident without being hindered by jurisdictional boundaries.



ICS – Who Does What?





Role of Flagstaff Elected Officials

Mayor

- Declare an emergency
- During emergencies by proclamation
 - Impose curfews
 - Close businesses
 - Close public buildings, streets, places
 - Call for law enforcement assistance
 - Close governmental Functions
 - Provide Mutual Aid

City Council

- Make, amend, rescind orders, rules, regulations (Suspend rules)
- During war: Suspend procurement/contract regulations
- Take emergency measures



Role of Flagstaff Elected Officials

Policy Group

- These officials provide the following to the Incident Commander:
 - Policy
 - Mission
 - Strategic direction
 - Authority



Role of Flagstaff Elected Officials

Information Release

- Executives/Senior Officials must coordinate and integrate messages with on-scene Public Information Officers and other agencies.
- A Joint Information System (established procedures and protocols) is used to help ensure coordination of messages.



Joint Information System (JIS)

Multiagency Coordination Entities



EOC



JIC

JIC Coordinates:

- Critical emergency information.
- Crisis communications.
- Public affairs functions.



PIO

PIO:

- Represents and advises Incident Command.
- Manages media and public inquiries.



**Senior Official
& Spokesperson**
woman at a podium



Managing Public Information



The Public Information Officer (PIO):

- Manages media and public inquiries.
- May be separate PIOs for:
 - Incident Command
 - EOC
 - Senior Official / MAC Group



PIOs coordinate and disseminate incident information through the JIC:

- Critical emergency information
- Crisis communications
- Public affairs functions

Community volunteer events

Upcoming event

July 9

8:00 am – noon

[Register Here](#)



- Four events held 5/21, 6/4, 6/18, 6/25
- 203 volunteers with an estimated 866 hours
- Wash clean up and 35 residences refreshed





Museum Flood Financial Focus Group



- Pre-monsoon action financial considerations
 - Potentially up to \$400,000 in preparation costs
 - Stormwater Fund biggest impacted
- Flood response action financial considerations
 - Related to potential actions and costs during the event
 - Does not include damage costs/repairs
 - Material costs in Street clearing, debris removal, sandbags
 - Potential \$426,000 to \$916,000





DFFM-funded resources

- Approved Request
 - 1-Combo vac truck
 - 1-Mini excavator & trailer
 - 2-Digital vehicle mounted signboards
 - 200,000 Empty sandbags-Delivered
 - 1-New manual sandbags machine-Delivered





Cedar to Dortha channel and inlet



- **Project Scope:** Channel improvements for capacity and stability, Dortha Avenue undercrossing and inlet reconstruction for increased capacity
- **Construction Estimate:** \$2,600,000
- **Schedule:** Completion of critical infrastructure prior to monsoons 2022
- **Current activities:**
 - Floor, walls, and top of Dortha inlet and concrete box structure is complete
 - Shotcrete open channel is complete from Cedar to Dortha
 - Dortha Avenue surface improvements to be complete by end of August





Ponderosa Park

- Multiple City Divisions worked to:
 - Clear debris and sediment from the park (200 CY)
 - Set new concrete barrier
 - Align park water flow with Killip inlet.





NRCS Mount Elden Estates Fan

- Long-term sediment reduction and erosion control is critical in post-wildfire areas.
- Projects focus on
 - stabilizing alluvial fans,
 - promoting erosion control,
 - reducing downstream sediment,
 - Improving channel capacity to convey floodwater out of neighborhoods.





Communications



Outputs

- June volunteer days communications
- Flood risk remains e-newsletter
- Siren testing communications

In production

- July community volunteer day
- Preparation for possible events

Museum Flood Area Volunteer Event

Distributing Sandbags

Saturday, June 18

8am-12pm & 1pm-4pm



Meet at Coconino County Health and Human Services at 2625 N. King St.

Please wear sturdy shoes, pants, and sun protection, and bring a refillable water bottle, a face covering for dust, and work gloves if able. Food will be provided!

Volunteers should register online in advance at: <https://loom.ly/kYtSY4k>



CITY OF
FLAGSTAFF



Council Discussion

