



2023 Disaster Education & Outreach Series

Emergency Preparedness and Notifications

Megan Davis, Jeff Fisher - City of Louisville
Mike Chard, Monika Weber, Steve Silbermann, Dave
Salaman - Boulder County
Dave Beebe - Mountain View Fire

February 13th, 2023

Agenda



01. Introduction

Overview of systems and functions; What has changed since Marshall Fire?

03. Preparedness

Self-assessment and planning basics.

02. Alert and Warning

Overview of alert and warning systems, new tools and how to sign-up.

04. Evacuation

Overview of the evacuation process, and what to plan for during an evacuation.

05. Q&A

Q&A with City officials, fire, and law personnel.

Introduction



Series overview

- Progress that's been made
- Looking ahead (plans that are in the works)
- Preparing for the future

Tonight's session

- Recorded, and able to be reviewed on the Resilient Louisville and Superior websites
- Will answer questions received in advance online and will take questions at end of presentation

Everbridge Signup

- **Sign up for emergency notifications today!**
- Laptops at the back of room - stop by and see Allison James, Disaster Preparedness & Recovery Manager for Town of Superior



Alert and Warning

- Initiating an alert
- Terminology
- Delivery methods
- Developing a footprint
- Coming soon in 2023



Initiating an Alert



Incident Command

Dispatch

Public

Emergency alerts are a layered approach

- You
- Door to door
- Neighbors helping neighbors
- Everbridge alerting
 - Landlines
 - Opt-ins
 - Texts
 - Emails
 - Faxes
- IPAWS/WEA
- Sirens
- Social media with PIO involvement



Terminology - Alert Severity

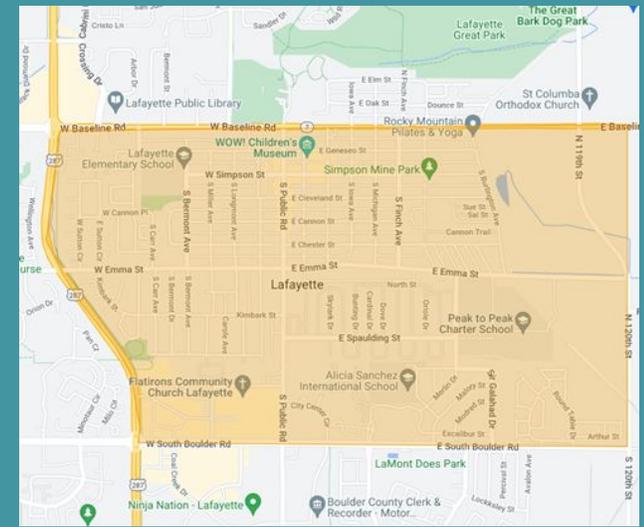
- **Advisory**
 - Informational message about a situation that is likely to impact one of the addresses listed in an opt-in profile or a registered landline. Advisory messages will not be disseminated on the IPAWS system by dispatch personnel.
- **Warning**
 - Messaging which encourages recipients to prepare to act due to an emergency in their immediate area. Individuals needing extra time due to animals or friends or family members who have functional needs should consider taking immediate action when a warning notification is issued. Warning messages will not be disseminated on the IPAWS system.
- **Order**
 - Messaging intended to have the recipient take the listed required action immediately due to an imminent threat to life.

Terminology - Action Requested

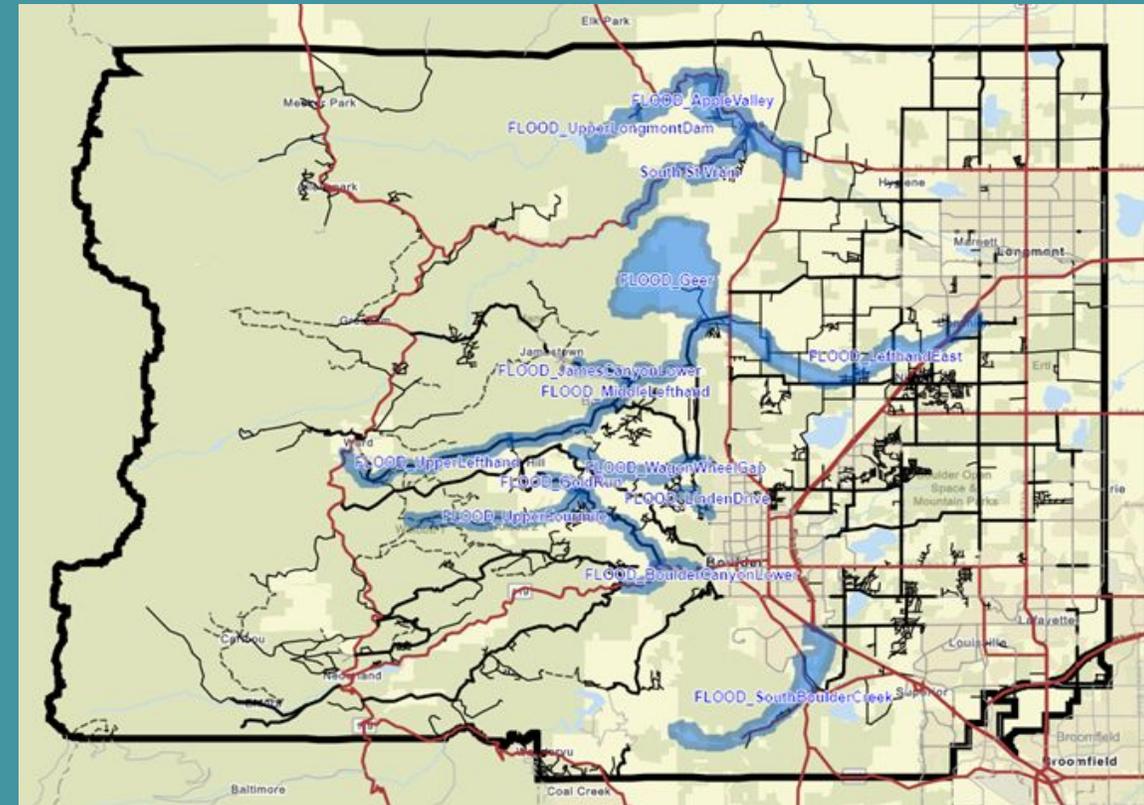
- Evacuation
- Climb to higher ground
- Shelter-in-place
- Missing/endangered person(s)
- All clear



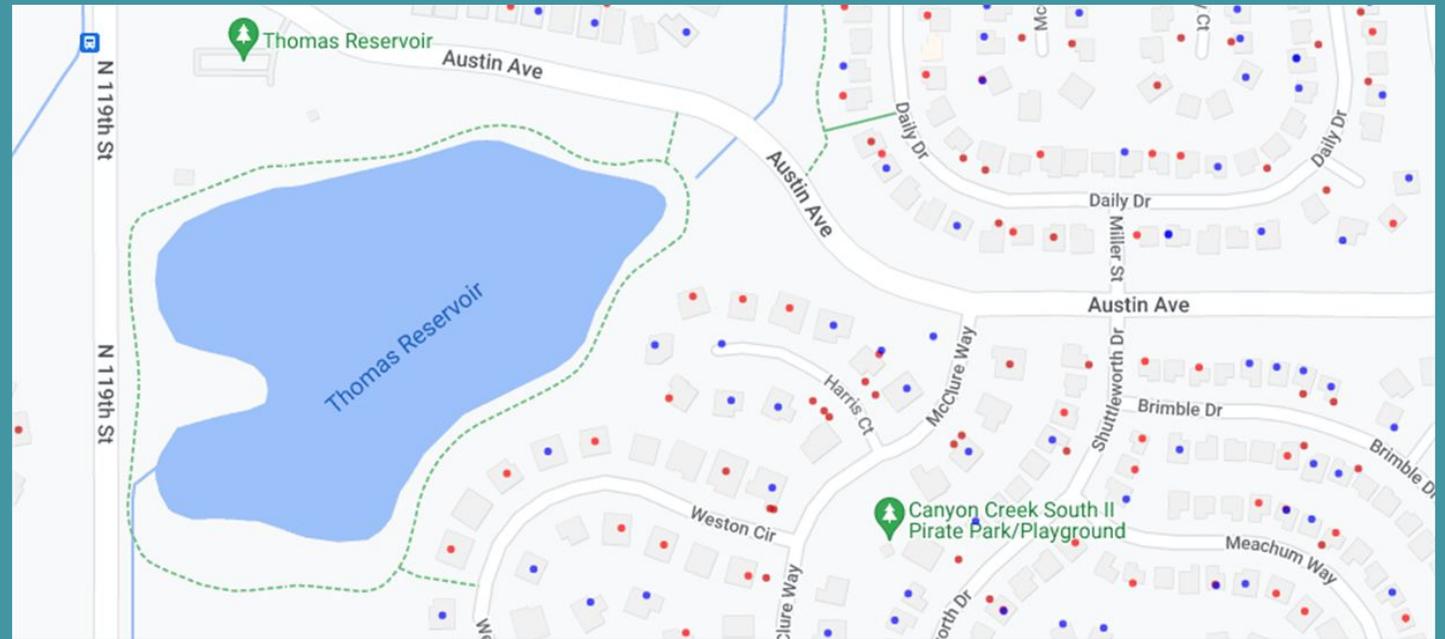
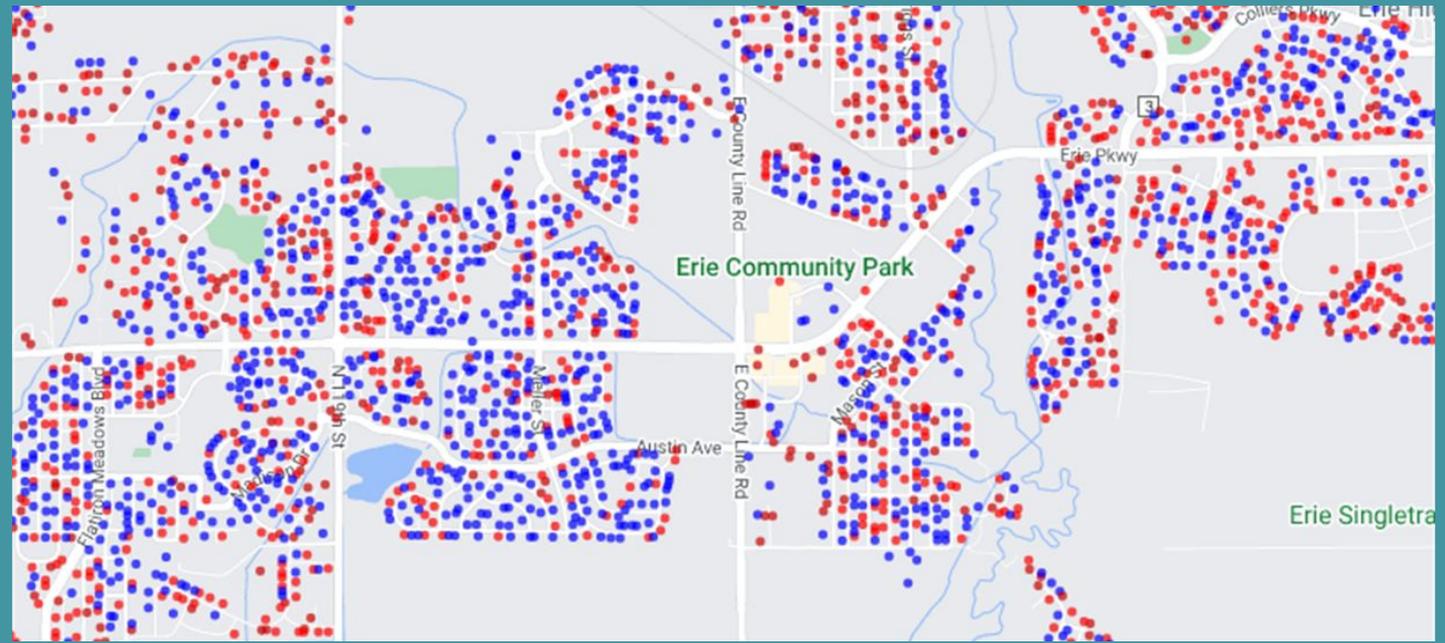
Developing the Footprint



- **Less simple**
 - Custom shape drawn on a map; email/text to dispatch
- **Least desirable**
 - Verbally relayed over the phone or radio

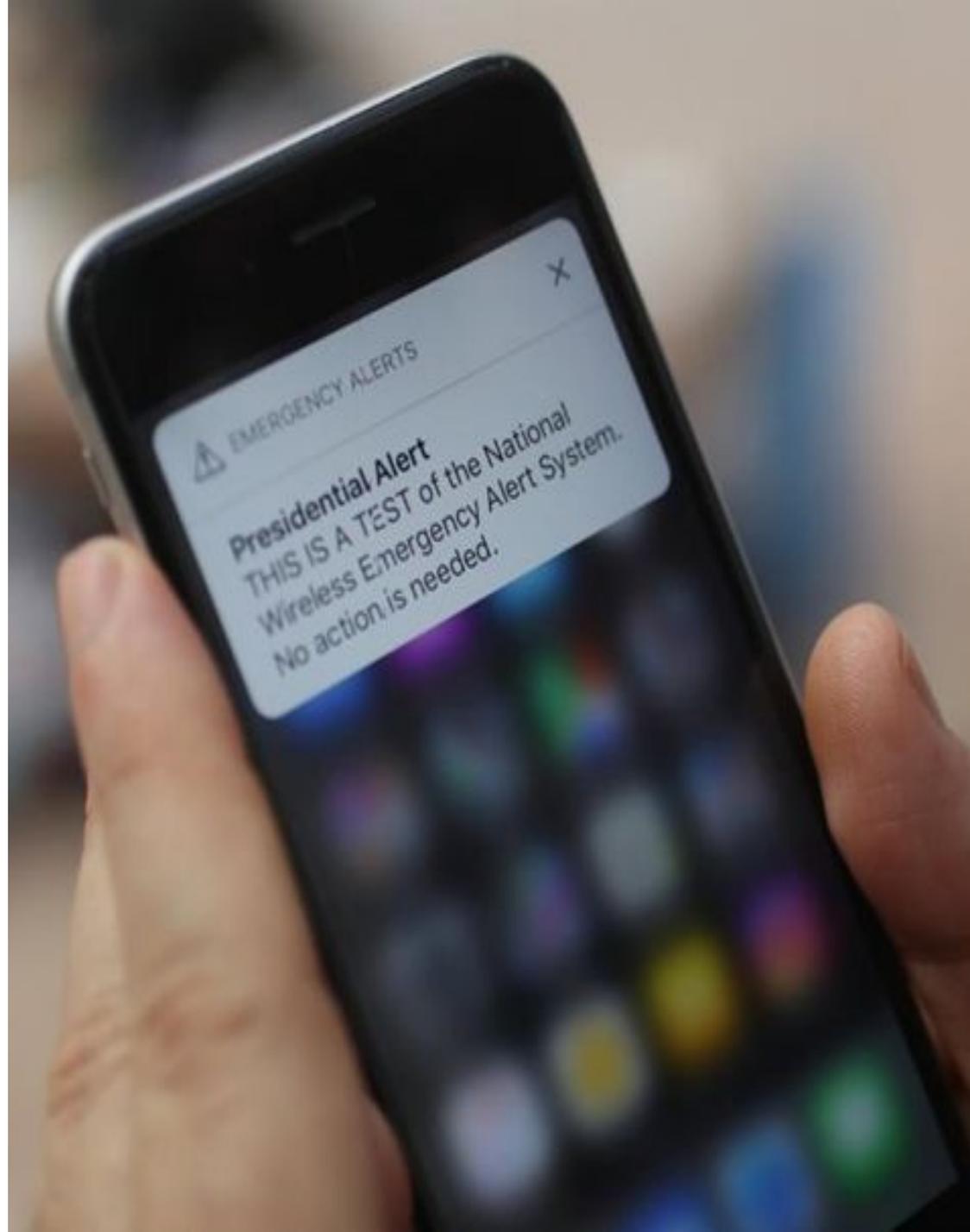


Landlines & Opt-in/Self Registration



Integrated Public Alert and Warning System (IPAWS)

- Wireless Emergency Alerts (WEA)
- Emergency Alert System (EAS)
- Inconsistent delivery impacts due to cell carrier distribution
- WEA and EAS are VOLUNTARY
- Escalating law enforcement incidents; potential to alert suspect of victim hiding spots



IPAWS Message Impacts

- WEA Version
 - Character limitation
 - Version 1 phones allow 90 characters
 - Version 2 and 3 phones allow 360 characters
 - 100 vertices limitation
 - 10 shape limit
- App redistribution challenge



Search template and scenario

Individual Incidents

BCSO



BCSO - IPAWS



BCSO - IPAWS - Climb to Higher Ground Order

BCSO - IPAWS - Evacuation Order

BCSO - IPAWS - Monthly Scenario Training

BCSO - IPAWS - Shelter In Place Order

COB



COB - IPAWS



LGMT



OSMP



PIO



BolderBoulder

NO LINK TEST

BCSO - IPAWS - Evacuation Order

Enter / update incident details below

1 Today's Date

05-01-2022

Date Format:MM-DD-YYYY

2 Current Time

22:50:12

Time Format:HH:MM:SS

* 3 Agency

Boulder County Sheriff's Office



* 4 Location

[TEST ONLY] Tally Ho Trail & Twin Lakes Road

216 characters remaining

* 5 Hazard

[TEST ONLY] Wildfire

240 characters remaining

* 6 Protective Action

EVACUATE IMMEDIATELY

240 characters remaining

* 7 Duration

Until Further Notice

240 characters remaining

Next >

Message

Imminent Threat to Life 

High priority  

* TITLE

Boulder County Sheriff's Office - Evacuation Order

TEXT

Use custom SMS message 

Use custom Email/Everbridge Mobile App message 

Hide list of variables

All delivery methods

This is the Boulder County Sheriff's Office Emergency Notification System. At {Current Time} on {Today's Date}, a Mandatory Evacuation Order has been issued for the area(s) of [TEST ONLY] Tally Ho Trail & Twin Lakes Road due to [TEST ONLY] Wildfire. Take the following protective actions immediately: EVACUATE IMMEDIATELY. This Order stands Until Further Notice

For updates, monitor <https://tinyurl.com/BOCOAlert>. Please do not call 9-1-1 unless you are in danger. Thank you.

Characters remaining: 1973 - Email/Fax | 0 - Twitter  | 0 - SMS  

SPEECH

Text-to-speech  

Use a voice recording

MESSAGE TYPE:

Standard Polling Conference Bridge

Only Standard message type is allowed for the selected sending and publishing option(s).

Attach Files 

Settings

View: **Read-only** | [Edit](#)

* Sender E-Mail Display:	911_Alert@BoulderCounty.org <no reply>
* Sender caller ID:	View
* Sender SMS ID: 	View
* Request Confirmation:	No
* Delivery methods:	Cell or Home Phone SMS (Text to Cell) Cell or Other Phone SMS (Text to Cell) 2 Cell or Work Phone Primary Email Secondary Email TTY / TDD GEO Push Alert

> [More options](#)

Send

Send: Now Schedule

CLOSE incident after successful send



The message or title contains variable tokens that will be replaced for the actual value at the message delivery time. If the final delivery message character count exceeds the allowed limit, it will be truncated.

Publishing Options

Everbridge Network Social Media Nixle Channels Member Portal

Common Alerting Protocol (CAP):

- iPAWS - Wireless Emergency Alerts (WEA)
 iPAWS - Emergency Alert System (EAS)
 Non-Weather Emergency Messages (NWEM)
 iPAWS - COG-to-COG (CAPEXCH)

▼ CAP CHANNELS (WEA, EAS)

Test

Live

Live Mode - This message will be sent to the public.

Refresh Status

Status: ● Available ⓘ

CAP Fields

		WEA	EAS
*Message Status	Actual	●	●
Source	Boulder County ⓘ	●	●
*Scope	Public	●	●
Restriction			
Addresses			
*Message Category	Public Safety ⓘ	●	●
*Event Name	Evacuation Immediate	●	●
*WEA Handling	Imminent Threat	●	
*Urgency	Immediate	●	●
*Severity	Extreme	●	●
*Certainty	Observed	●	●
*Expires	Hour(s) 1	●	●
*Sender Agency Name	Boulder County	●	●
Headline	Boulder County Sheriff's Office - Evacuation Order	●	

* WEA English Message

Required - 90 characters

[TEST ONLY] Wildfire near [TEST ONLY] Tally Ho Trail & Twin Lakes Road. Evacuate Now [https](https://tinyurl.com/BOCOAlert)

0 characters remaining

Remove optional WEA message fields

WEA English Message

Optional - 360 characters

Mandatory Evacuation Order has been issued for the area(s) of [TEST ONLY] Tally Ho Trail & Twin Lakes Road due to [TEST ONLY] Wildfire. <https://tinyurl.com/BOCOAlert>

195 characters remaining

WEA Spanish Message

Optional - 90 characters

90 characters remaining

WEA Spanish Message

Optional - 360 characters

360 characters remaining

* Message (for all channels except WEA)

This is the Boulder County Sheriff's Office Emergency Notification System. At (Current Time) on (Today's Date), a Mandatory Evacuation Order has been issued for the area(s) of [TEST ONLY] Tally Ho Trail & Twin Lakes Road due to [TEST ONLY] Wildfire. Take the following protective actions immediately: EVACUATE IMMEDIATELY. This Order stands Until Further Notice.

Instruction

Web Link

<https://tinyurl.com/BOCOAlert>

*U.S. Time Zones

Mountain Time Zone

*Area Description

Boulder County

*Affected Region SAME code(s)

008013 - Boulder County

Polygon

No shape selected. Use contact selection Map link to add the shapes.

Audio Message

None Use Everbridge recorder Upload a file



04/22/22 - Boulder County has enacted Level 1 Fire Restrictions

Boulder Office of Emergency Management

EMERGENCY STATUS

FOR UPDATES ON EMERGENCIES AND SEVERE WEATHER UPDATES, CLICK THE BUTTON BELOW.

[EMERGENCY UPDATES](#)

[PUBLIC INFORMATION MAP](#)

[VIEW RECENT ALERTS](#)

Emergency Messages Sign-Up



Sign-up at <https://member.everbridge.net/453003085612231/login> to receive messages about imminent threats and hazards by text message, email, and/or on your cell, home or work phone. For more ...

Notifications

General Weather

[Boulder County Sheriff - All Clear](#)

2022-04-20 16:44:39 MDT



This is the Boulder County Sheriff's Office Emergency Notification System. On 04-20-2022 an All Clear has been issued for the area(s) of 51st to 65th and Nelson to Neva. Public safety officials have determined there is no life, safety, or property threat from...

[Boulder County Sheriff's Office - Evacuation Order](#)

2022-04-20 15:24:06 MDT



This is the Boulder County Sheriff's Office Emergency Notification System. At 15:24:06 on 04-20-2022, a Mandatory Evacuation Order has been issued for the area(s) of the 51st to 65th and Nelson to Neva due to a Wildland Fire. Take the following protective actions i...

[Boulder County Sheriff's Office - Evacuation Update](#)

2022-04-16 17:08:20 MDT



This is the Boulder County Sheriff's Office Emergency Notification System with an evacuation update. At 17:08:19 on 04-16-2022, Fire officials have lifted the evacuation warning (voluntary evacuation) for the 37E (Blue Mountain) fire area. Residents may return home ...

[Boulder County Sheriff's Office - Evacuation Downgrade](#)

2022-04-16 16:56:51 MDT



Notifications

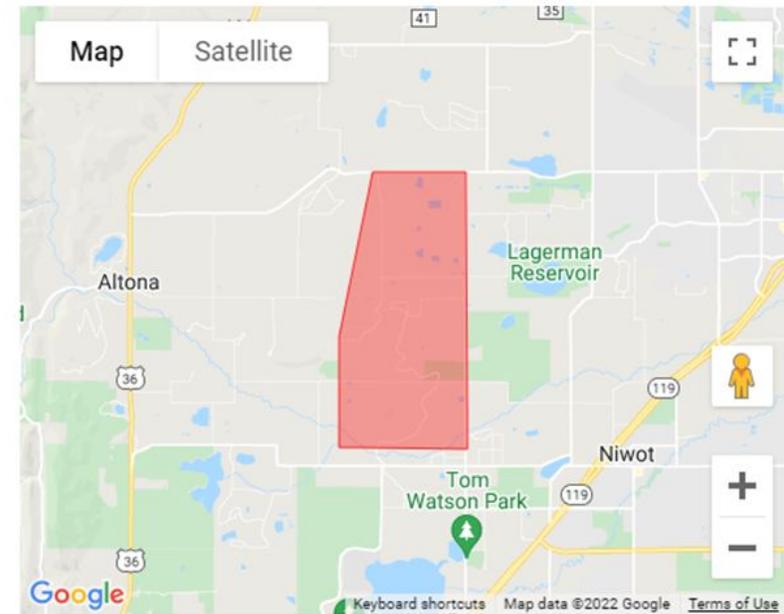
General [Weather](#)

[« Back](#) |  **Boulder County Sheriff's Office - Evacuation Order**

2022-04-20 15:24:06 MDT

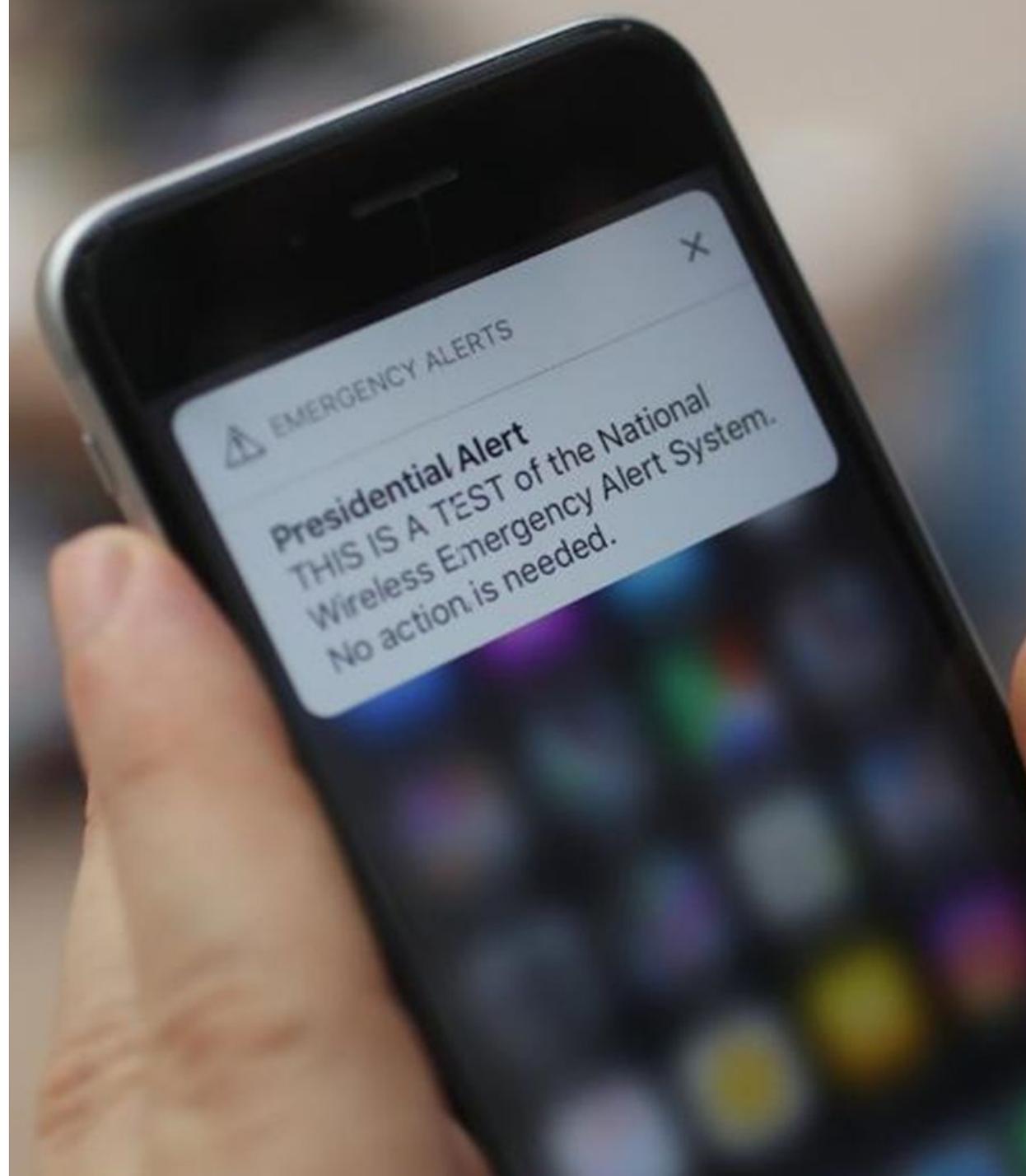


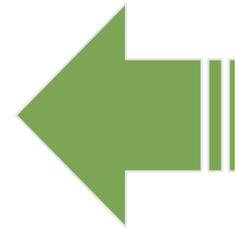
This is the Boulder County Sheriff's Office Emergency Notification System. At 15:24:06 on 04-20-2022, a Mandatory Evacuation Order has been issued for the area(s) of the 51st to 65th and Nelson to Neva due to a Wildland Fire. Take the following protective actions immediately: Evacuate Now. This Order stands Until Further Notice.



Coming Soon

- Resident Connect layer
- Spanish translation for all WEA messages
- ReachWell App
 - Translation in over 100 languages
 - Non-geo based opt-in
- New educational materials





**Scan this QR code
with your
smartphone to
sign-up for
emergency alerts,
or visit one of our
sign-up stations
before you leave!**

Preparedness

- Alert and notification
- Self-assessment and developing capability
- Plan creation
 - Actionable
 - Sustainable



Preparedness

- Components of a plan
 - Communication
 - Grab list
 - Evacuation



Disaster Strong Series

Become a Community Preparedness Ambassador with Boulder OEM!

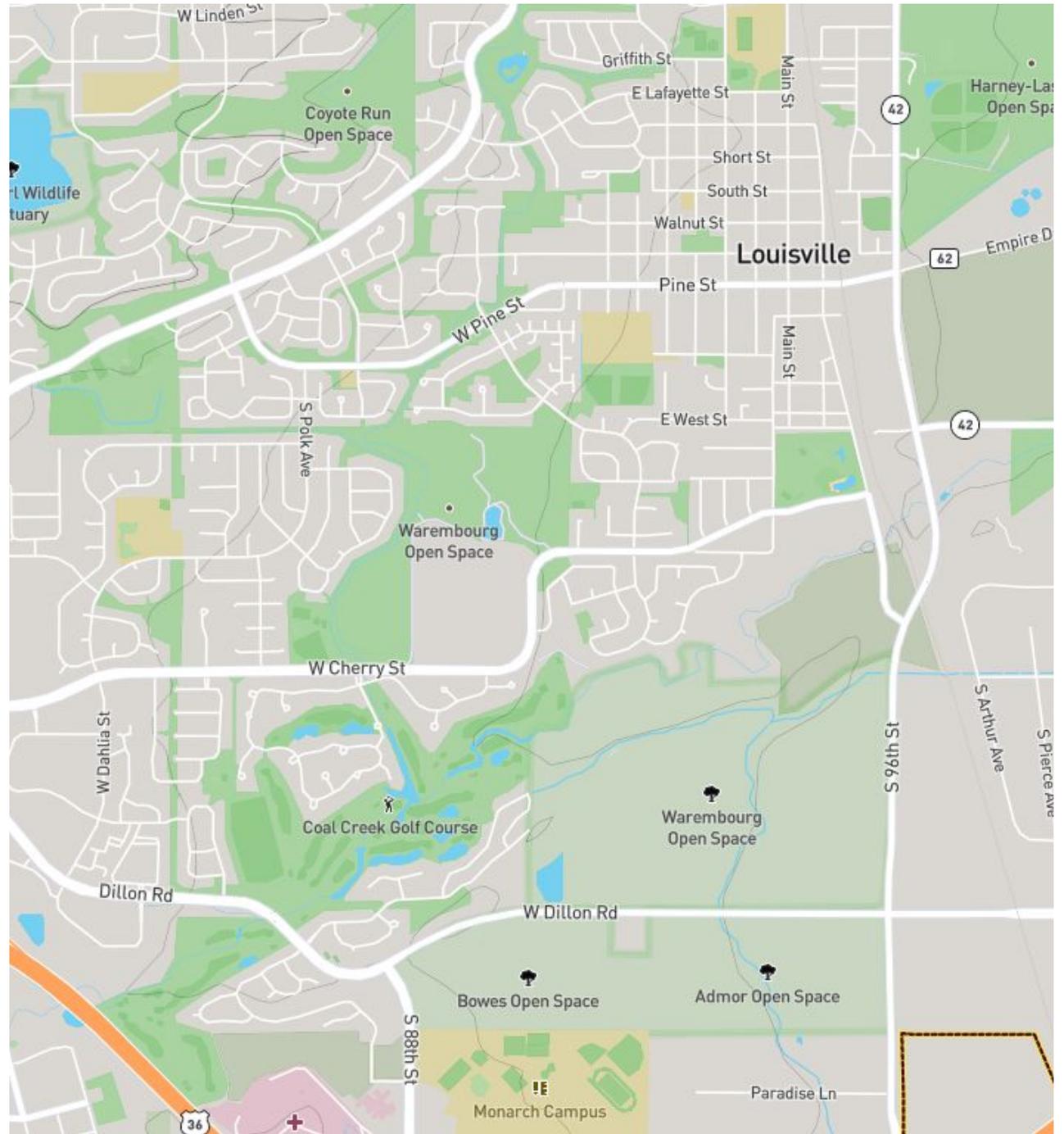
Train-the-Trainer Workshop

- Monday, 3/6, 5:30-7:30 PM,
- Superior Community Center
- 1500 Coalton Road



Evacuation Preparedness

- Know your route
- Evacuation zones
- Evacuation tips
 - When to go
 - Helpful tips



Q&A



Mike Chard
Boulder Office of
Emergency Management



Steve Silberman
Boulder County Sheriff
Communications Center



Monika Weber
Boulder Office of Emergency
Management



Dave Salaman
Boulder County
Sheriff's Office



Jeff Fisher
City of Louisville
PD



Dave Beebe
Mountain View
Fire Rescue



Thank you

Have follow-up questions? Visit EngageLouisvilleCO.org and submit on the 2023 Disaster Mitigation & Preparedness Outreach Series project page