



Welcome!
We'll be starting the presentation soon...

Extreme Heat

April 30, 2024

Lynn Brown
lynn@cadresv.org

Session Objectives

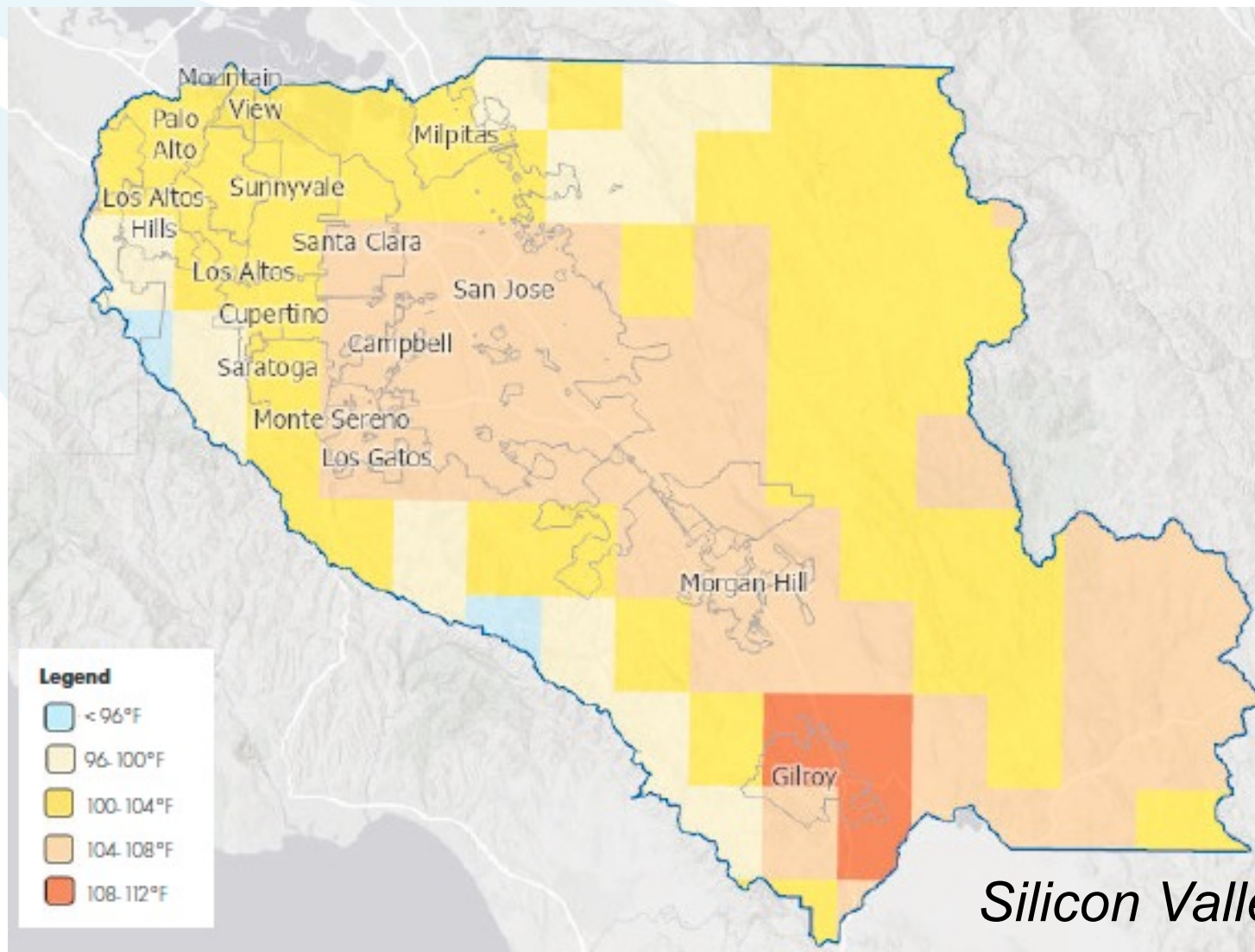
- Explain the risks of Extreme Heat
 - Outline the Roles and Responsibilities of City and County Departments during Heat Emergency preparedness and response
 - Discuss how the community can reduce the risks
 - Identify additional methods to amplify the message in the community to reach more people
 - Explore opportunities for collaboration
 - Address the “bigger” underlying challenges

Extreme Heat

Risk - *Silicon Valley 2.0*

- 62% of the total County population is currently exposed to extreme heat conditions.
- At least 42% of the exposed population have moderate to high social vulnerability as a result of 5 or more existing socio-economic and demographic attributes that exacerbate social vulnerability including
- low income, race and ethnicity, housing situation, food and transit access, and health conditions such as asthma or heart disease.

Extreme Heat



Silicon Valley 2.0

NWS Heat Alerts

The National Weather Service issues alerts and warnings prior to an Extreme Heat event, including:

- Excessive Heat Outlook—BE AWARE!
 - Outlooks are issued when the potential exists for an excessive heat event in the next 3-7 days.
 - An Outlook provides information to those who need more lead-time to prepare for the event

NWS Heat Alerts

Heat Advisory—TAKE ACTION!

- Issued within 12 hours of the onset of extremely dangerous heat conditions.
- The general rule of thumb for this Advisory is when the maximum heat index temperature is expected to 100° or higher for at least 2 days, and nighttime air temperatures will not drop below 75°

NWS Heat Alerts

Excessive Heat Watch—BE PREPARED!

- Heat watches are issued when conditions are favorable for an excessive heat event in the next 24 to 72 hours
- A Watch is used when the risk of a heat wave has increased but its occurrence and timing is still uncertain

Extreme Heat Alerts

Excessive Heat Warning—TAKE ACTION!

- An Excessive Heat Warning is issued within 12 hours of the onset of extremely dangerous heat conditions.
- The general rule of thumb for this Warning is when the maximum heat index temperature is expected to be 105° or higher for at least 2 days and nighttime air temperatures will not drop below 75°

Heat Risk

What are the risks of extreme heat?

- Confusion, altered mental status, slurred speech
- Loss of consciousness (coma)
- Hot, dry skin or profuse sweating

Heat Risk

What are the risks of extreme heat?

- Seizures
- Very high body temperature
- Potentially fatal if treatment is delayed

Roles and Responsibilities

Who is responsible for doing what during Extreme Heat?

- Cities
- County
- CADRE networks (non-profit, community-based and religious organizations)

Roles and Responsibilities

Cities

- Are responsible for providing
 - Alerting and warning
 - Public information
 - Cooling centers for their residents

Roles and Responsibilities

County

- Is responsible for providing information and cooling centers for County residents in unincorporated areas
- Responsible for coordination with all jurisdictions within the County

Roles and Responsibilities

County Office of Emergency Management (OEM) activation process

- **Heat Outlook**

- OEM will begin monitoring temperatures

- **Heat Watch**

- OEM will disseminate NWS data to Operational Area partners and make necessary alerts and notifications

Roles and Responsibilities

County Office of Emergency Management (OEM) activation process

– **Heat Advisory**

- OEM will host coordination calls with Operational Area partners

– **Heat Warning**

- OEM will consider opening additional facilities as Cooling Centers depending on the heat index, overnight recovery and duration of the event

Roles and Responsibilities

County Office of Supportive Housing

- Provides communication with partners
 - Manage emergency communications, including situation status to service providers and stakeholders
 - Develop and dissemination of SCC Alert text messages to unsheltered subscribers

Roles and Responsibilities

County Office of Supportive Housing

- Coordination of resources
- Coordinate resource requests and support delivery of supplies to service providers and partner organizations

Roles and Responsibilities

County Office of Supportive Housing

- Outreach coordination
 - Coordinate outreach services with providers
 - Coordinate and support shelters countywide
 - Coordination of after hours (5 pm to 9 pm) outreach as needed
 - Provide support for after hours transportation to outreach teams

Roles and Responsibilities

Other Agencies

- Valley Transportation Agency (VTA)
 - Provides transportation as needed
 - Busses may be used as temporary Cooling Centers

Roles and Responsibilities

CADRE

- Coordination—Gather helpful data, information and resources through meetings, surveys and research
- Communication—Share information and resources via email, maps, outreach material and meeting before, during and after disaster
- Collaboration—helping to foster partnerships through support networks and plan development support
- Cooperation—Develop and host training and exercises to make working together more cohesive



Website Resources

www.cadresv.org



Events

Preparedness

Response & Relief

Recovery

About



CADRE

(Collaborating Agencies' Disaster Relief Effort)

is a leading network of organizations that provide community services that are essential in times of disaster

[LEARN MORE](#)



The mission of CADRE is to strengthen coordination of the disaster response and recovery efforts of non-profit, faith-based, government, private and other disaster relief entities in Santa Clara County, through partnerships, planning, training, exercises and emergency activation.

[LEARN MORE](#)

Upcoming Events

APR 24 10:00 am - 12:00 pm
Post Disaster Cleanup

APR 25 10:00 am - 12:00 pm
Standing Together –

New Resources

Dirty Job – Post Disaster Cleanup
04/24/2024
POSTED: April 23, 2024

Watch Duty
POSTED: March 26, 2024

Announcements

CADRE Connection Newsletter April 2024
POSTED: April 11, 2024

CADRE Connection Newsletter March 2024

Cooling Centers

What is a cooling center?

- A cooling center (or “cooling shelter”) is a location, typically an air-conditioned or cooled building that has been designated as a site to provide respite and safety during extreme heat

Cooling Centers

Common characteristics for Cooling Centers

- Air conditioned
- Accessible to all members of public
- Compliant with the American Disabilities Act
- Access to restrooms and water

Cooling Centers

Common characteristics for Cooling Centers

- Available seating for all guests
- Widely advertised throughout the community
- Close to public transportation routes

Cooling Centers

Cooling Centers may be operated by:

- Health department
- City or County government
- Non-profit and religious groups
- A combination of agencies and/or partners

Cooling Centers

Locations may include:

Any place with working air conditioning...

- Libraries
- Community Centers
- Religious Centers
- Recreation Centers
- Private Businesses
- Malls

As the need grows...

The demographics will expand

- Tech workers working virtually with no A/C
 - Students
 - Tech workers working virtually with no A/C
 - Apartments/homes with no A/C
 - Unhoused
 - Shut in seniors
 - Anyone looking for a cool space

Obstacles to Cooling

Too hot to walk to the bus stop

They don't ever leave the house

Fear of being in a government facility

Can't afford air conditioning

Live on first floor – afraid to open windows

Other obstacles???

Is the current model sufficient?

What resources/services would you like to see at a cooling center – priorities for each?

- Tech workers working virtually with no A/C
- Students
- Apartments/homes with no A/C
- Unhoused
- Shut in seniors
- Anyone looking for a cool space

How About

- My pet can come inside
- A place to lie down
- Water or Gatorade type drinks
- Health check
- Study desks
- Wet wipes

Other obstacles???

Community Resources?

What resources might provide solutions?

Service clubs

K-12 and Colleges

Businesses

Religious Communities

Neighborhood Associations

Other resources???

New Solutions?

Creative Solutions to Keep the Masses Cool?

Check on neighbors

Plant more trees

Create shade

Other solutions???

Resources – Heat Prep

Link to Cooling Centers (County Website)

Heat Prep

County website

Animals

Seniors

National Weather Service

Weather Extremes



Cooling Centers



Heat Safety for Older Adults



Heat Safety in Schools



Heat Safety Tips



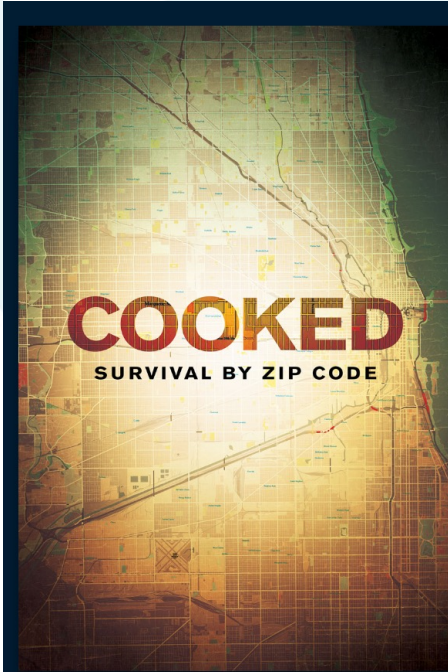
Pet Safety Tips for Warm Weather



Weather Forecasts



Great Documentary!



COOKED: SURVIVAL BY ZIP CODE

📅 Premiered February 3, 2020

👤 Directed by Judith Helfand

In 1995, more than 700 Chicagoans died in a single week.

Amazon Video

Climate Resources

Climate Risks

How Climate Change Affects Community Health 

Cooked: Survival By Zip Code 

National Integrated Heat Health Information System 

Silicon Valley 2.0 

Santa Clara County Office of Sustainability 

EPA Heat Island Map 

Silicon Valley 2.0 Climate Hazard Fact Sheet 

Dying Alone - Interview 

20 Second Survey

When you disconnect from this Zoom.





Next Discussions

May 8 10:00-12:00 on Zoom

The Power of Faith – Supporting Disasters

May 14 10:00- 2:00 In Person at the Red Cross

Symposium Part 2

Standing Together – Creating a community disaster recovery framework

Watch the recording from April 24th!



Thank You!

Lynn Brown
Lynn@cadresv.org



Join the CADRE Network
cadresv.org

CADRE Duty Officer 408-622-0822
CADRE Response Email cadreeoc@gmail.com is being phased out.
New email cadreeoc@cadresv.org