

EXTREME TEMPERATURE RESILIENT PETALUMA:
DEVELOPING A PROCESS AND PLAN

City of Petaluma Emergency Management Program

## AGENDA

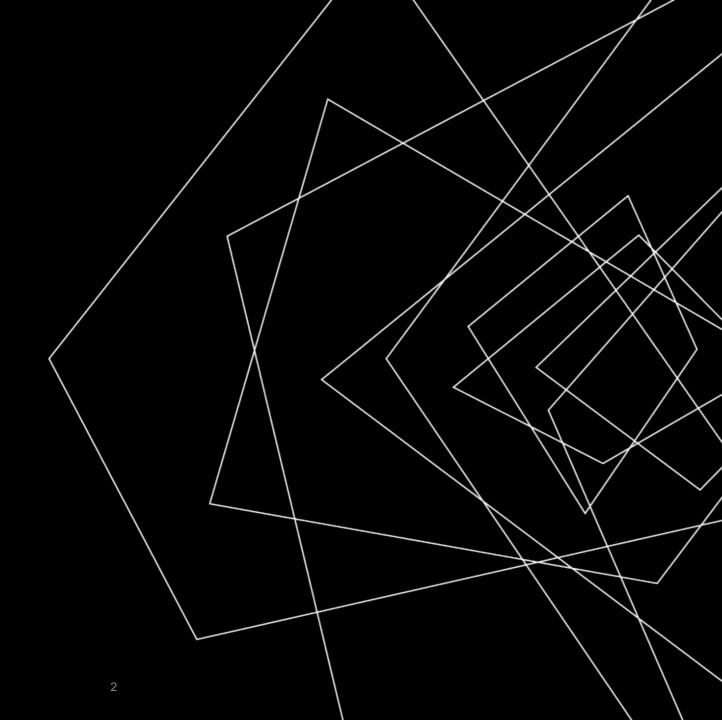
Introduction

Finding a Starting Point

The Threat

Timeline

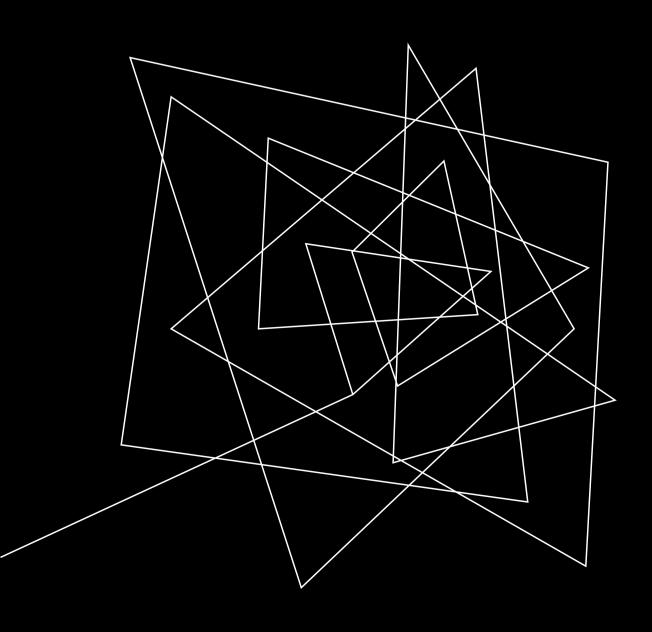
Summary



#### INTRODUCTION

Our climate is changing in a manner that presents weather patters that are unusual and which have been shown to cause disproportionate harm on vulnerable populations such as children in low-income families and senior community members. This change is predicted to grow.

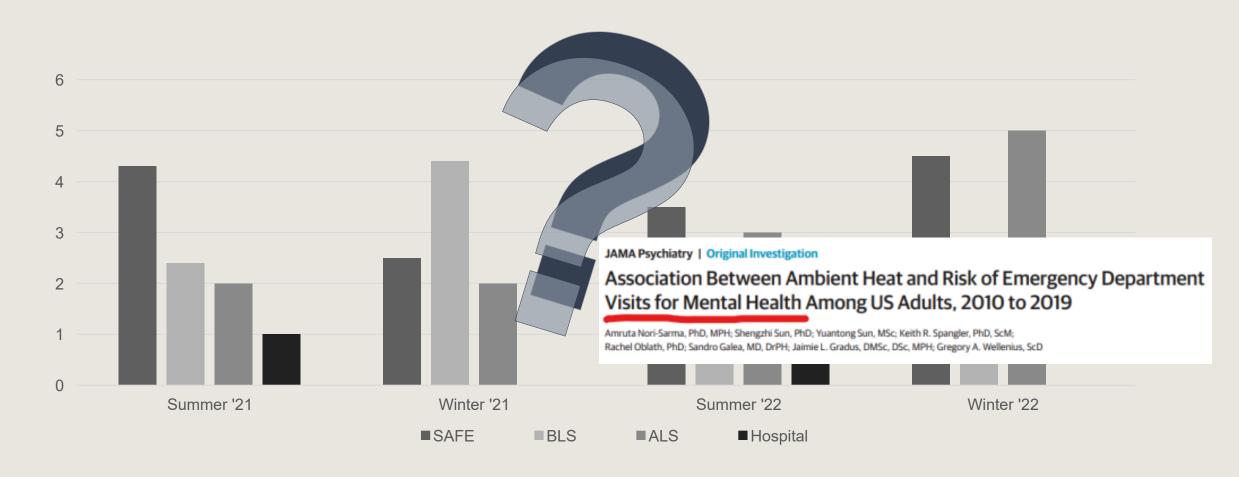
While temperatures in the Petaluma area rarely exceed safe conditions, our community is not acclimated with the consistent and extreme high temperatures of other areas, making our vulnerable populations more vulnerable than those in areas with consistently hot temperatures.



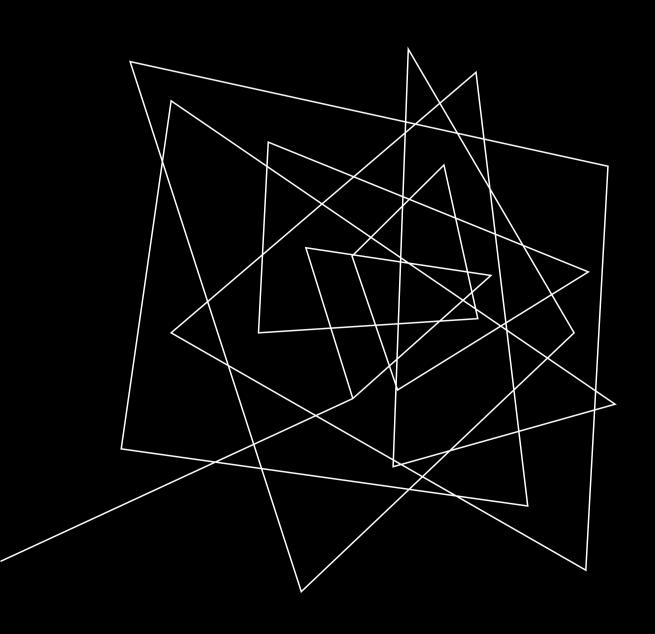
## FINDING A STARTING POINT

Turning processes and partnerships into plans

## PAST METRICS ON COMMUNITY EXTREME TEMPERATURE IMPACTS



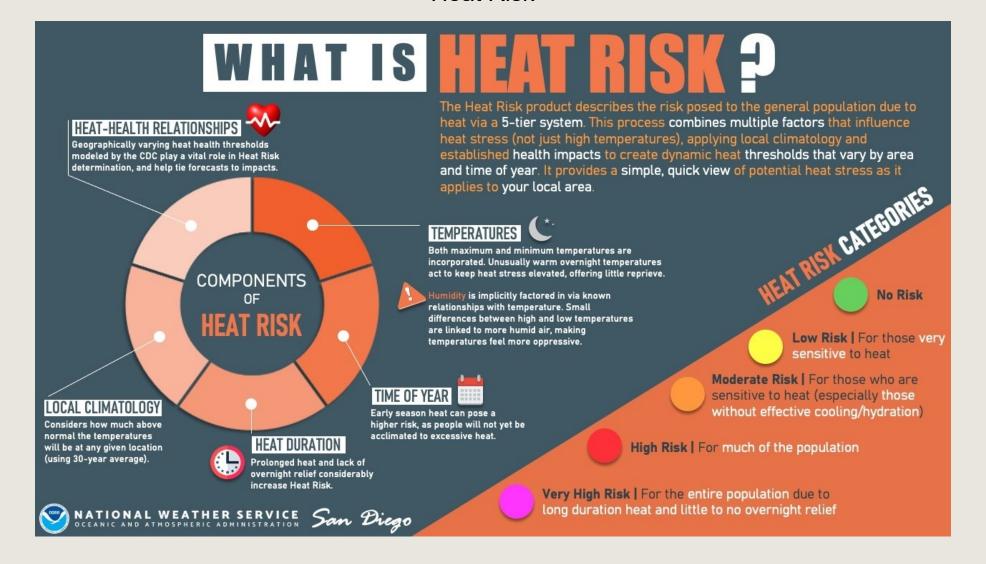
2023



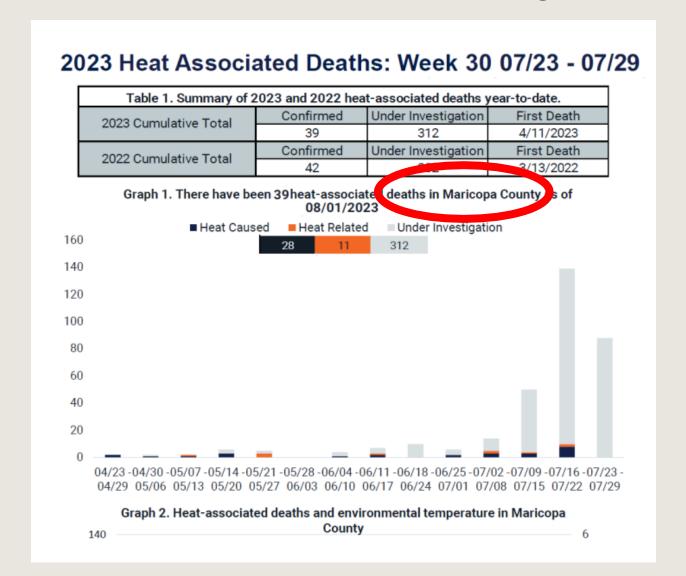
## THE THREAT

What is "extreme" . . .

Heat Risk ™



#### EXTREME EXTREMES



Heat Risk ™



Identifying Potential Heat Risks in the Seven Day Forecast

Sun	Mon	Tue	Wed	Thu	Fri	Sat
9/4	9/5	9/6	9/7	9/8	9/9	9/10

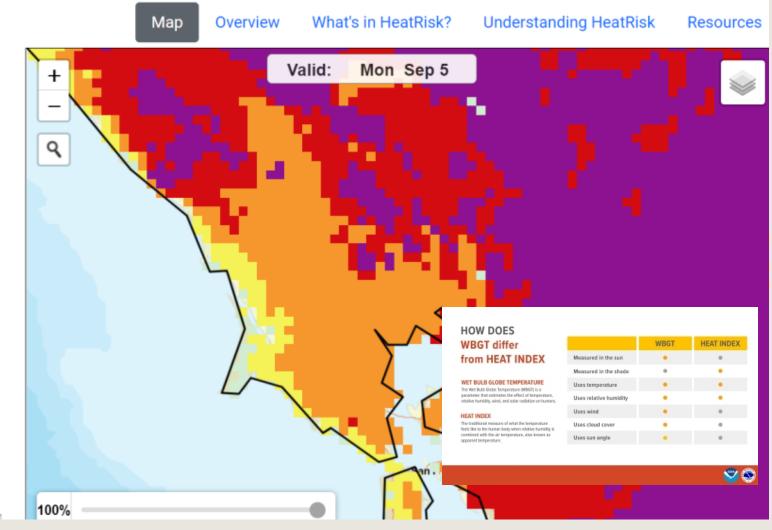
Click map for potential heat risks and NWS forecast for a location.

Heat affects everyone differently. In order to better address heat risk and allow you to prepare for upcoming heat events, the NWS has developed the HeatRisk prototype forecast. The NWS HeatRisk forecast provides a quick view of heat risk potential over the upcoming seven days. The heat risk is portrayed in a numeric (0-4) and color

(green/yellow/orange/red/magenta) scale which is similar in approach to the Air Quality Index (AQI) or the UV Index. In a similar way, it provides one value each day that indicates the approximate level of heat risk concern for any location, along with identifying the groups who are most at risk. This product is supplementary to the official NWS heat watch/warning/advisory program and is meant to provide continuously available heat risk guidance for those decision makers and heat sensitive populations ② who need to take

actions at levels that may be below current NWS heat product

levels.



WATCH, WARNING, ADVISORY

WATCH:A watch is used when the risk of a hazardous weather or hydrologic event has increased significantly, but its occurrence, location or timing is still uncertain. It is intended to provide enough lead time so those who need to set their plans in motion can do so. A watch means that hazardous weather is possible. People should have a plan of action in case a storm threatens and they should listen for later information and possible warnings especially when planning travel or outdoor activities.

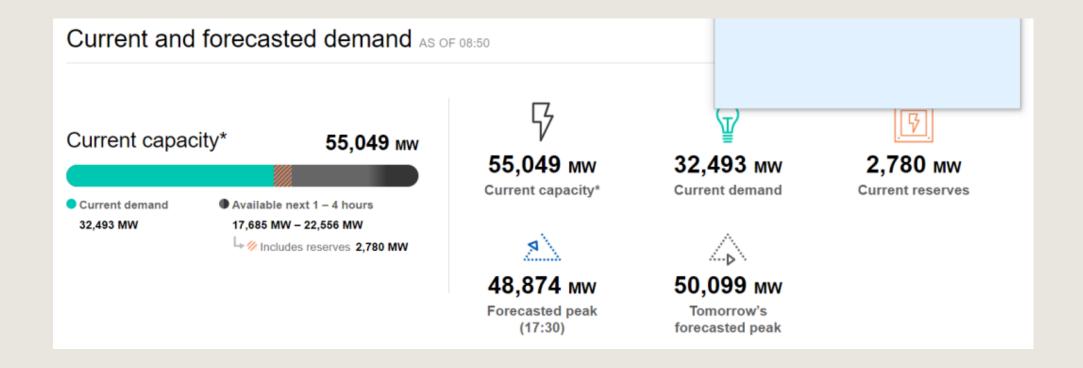
WATCH, WARNING, ADVISORY

ADVISORY: An advisory is issued when a hazardous weather or hydrologic event is occurring, imminent or likely. Advisories are for less serious conditions than warnings, that cause significant inconvenience and if caution is not exercised, could lead to situations that may threaten life or property.

WATCH, WARNING, ADVISORY

WARNING: A warning is issued when a hazardous weather or hydrologic event is occurring, imminent or likely. A warning means weather conditions pose a threat to life or property. People in the path of the storm need to take protective action.

## "OTHER FACTORS"



## "OTHER FACTORS"

## Trained Observers:

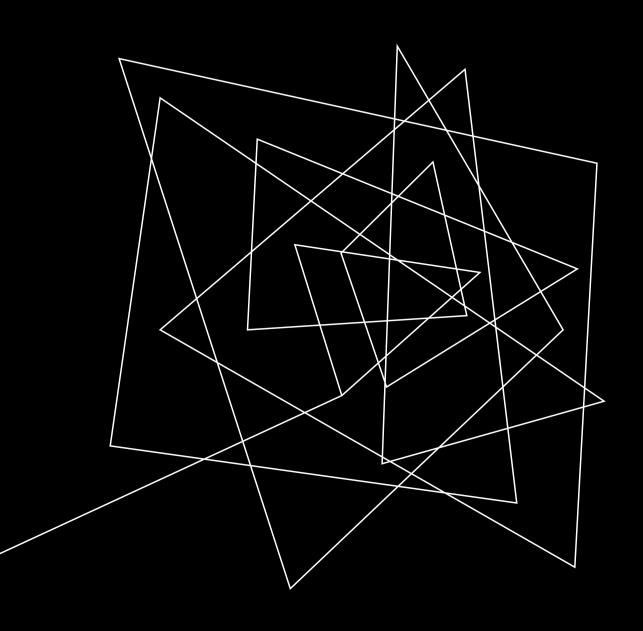












## RESPONSE PLANS

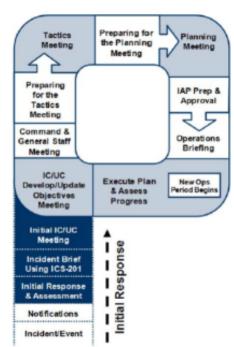
Building consensus with partners

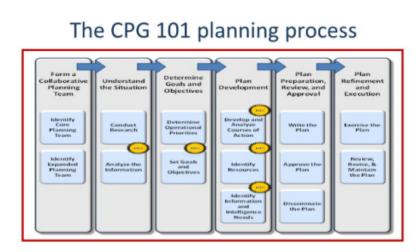
THE PURPOSE OF LIFE IS TO SERVE AND TO SHOW COMPASSION AND THE WILL TO HELP OTHERS. ONLY THEN HAVE WE BECOME TRUE HUMAN BEINGS.

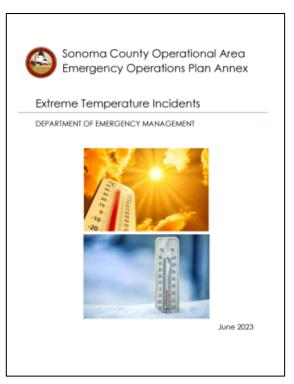
Albert Schweitzer in Faces of Compassion

## PLAN DEVELOPMENT PROCESSES

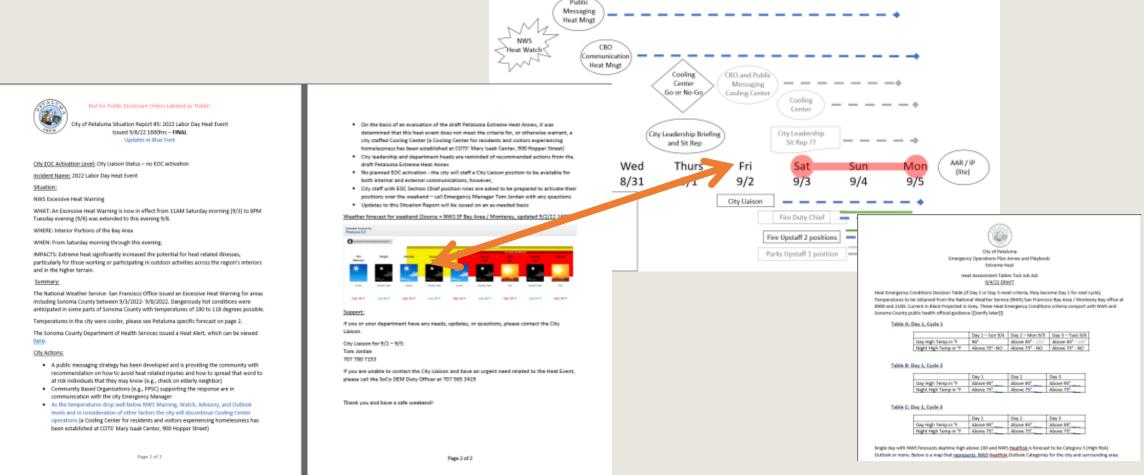








# PETALUMA EXTREME TEMPERATURE PREPAREDNESS AND RESPONSE PROCESS - GETTING AHEAD OF IT -



# PETALUMA EXTREME TEMPERATURE PREPAREDNESS AND RESPONSE PROCESS - PUBLIC MESSAGING -



# PETALUMA EXTREME TEMPERATURE PREPAREDNESS AND RESPONSE PROCESS - ASSESSING IMPACTS -

#### "OTHER FACTORS"

Trained Observers:













Name	Location		Staffing Costs	Dates of Operations	Hours of Operations	# of Attendees	Additional Resources Offered
Cloverdale Citrus Fairgrounds	1 Citrus Fair Drive, Cloverdale CA 95425		\$3,960	9/3/2022	1200-1800	0	
				0.6473000	1200-1800	0	Wiff, movies, children's game station, charging
					1200-1800	1	area, and a transportation van for those need
Healdsburg Senior Center	133 Mathe	Daily Report - Cooling/Warming Centers  Cente (additionager Plane include in mod detail as possible when-competing Plane complete daily while the content is in specialists.			1100-1900		
neatosourg senior Center	133 Middle				1100-1900	3	Will and water
					1100-1900	21	
					0900-1700	12	
	_				0900-1700	6	
					0900-1700	0	
Rohnert Park Senior Center	6800 Hunti				1200-1900		Wifi, baked goods, books, TV, pool table, game
		* Simplified					
Finley Community Center	2050 West				1100-1900	5-10	
		1. Select Jurisdiction 1			1100-1900	5-10	
		○ (twelve			1100-1900	5-10	
					1100-1900	5-10	
		O Date			1100-1900	5-10	Wi-Fi, water and light refreshments (granola be
					1100-1900	5-10	
		☐ finalitations					
Sebastopol Center for the Arts	282 High 9	C Motors			1000-1600	1	
					1000-1600	1	Water
Windsor Senior Recreation Center	9231 Foxwoo	d Drive, Windsor, CA	\$144	9/6/2022	0900-2000	1	
				9/7/2022	0900-2000	0	
				9/8/2022	0900-2000	0	WIFE



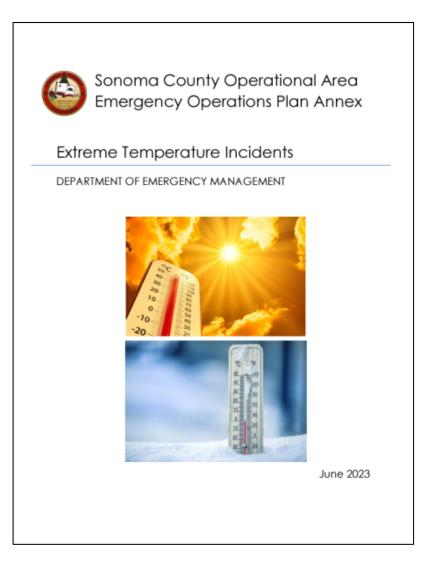
## PLAN DEVELOPMENT PROCESSES









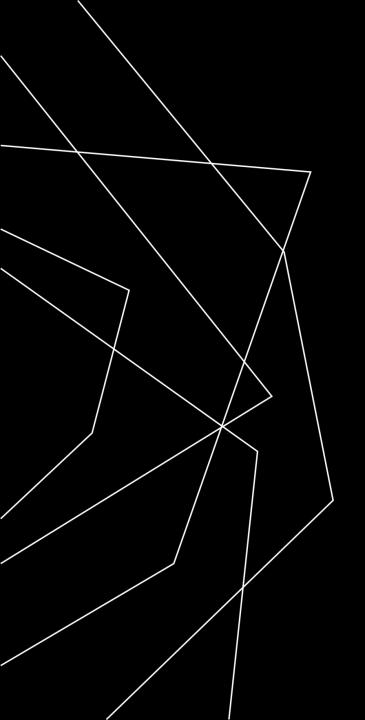




### A QUICK STORY . . .

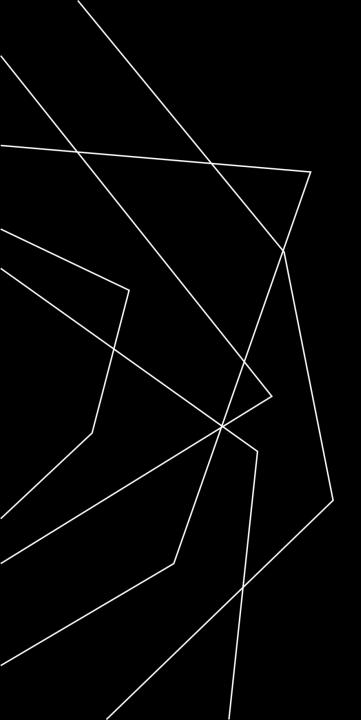
Temperatures have been steadily increasing over the past few days, and NWS products indicate potential for extreme heat over the holiday weekend. City staff and Community Based Organization partners have been assessing potential impacts and response resources for the weekend (e.g., staff available on holiday weekend, cooling supplies).

As the worst of the heat bears down . . .



## SUMMARY

The City of Petaluma is deeply committed to reducing harm from extreme temperature weather systems on our most vulnerable community members. Through partnerships within and outside of the city, we will continue to develop a thoughtful approach to this aspect of our changing climate.



## THANK YOU

Comments or questions:

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