











Navigating Disasters Mitigating Risks

Don Rawson

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Navigating Disasters

HORIZON

The Importance of Time

California Wildfires are burning faster and spreading more.

Experts say it 'can only get worse.'

- Time Magazine





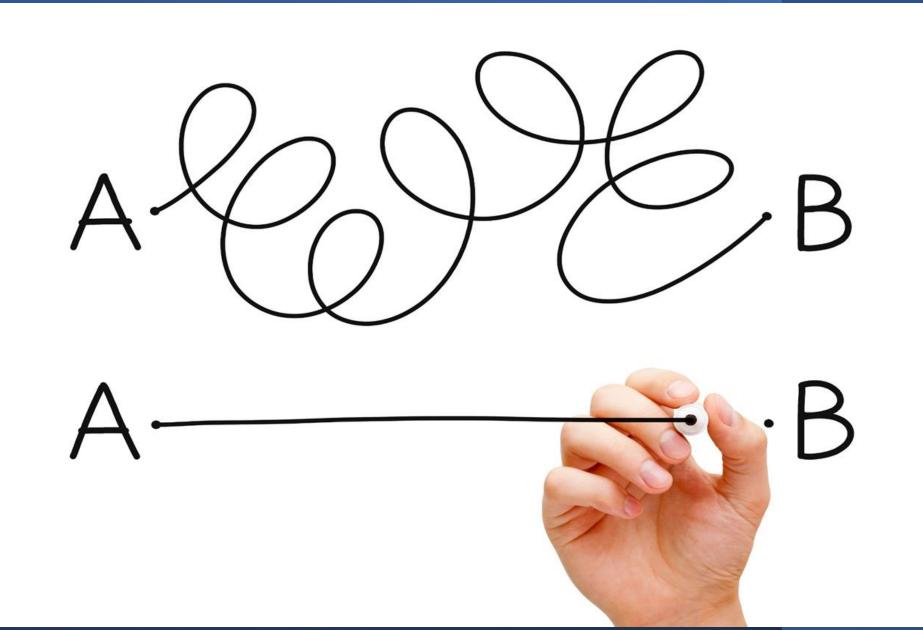
The fire moved so quickly...

- Maui Fire Chief Brad Ventura

LAHAINA MAN RECALLS FIRE THAT LEVELED HAWAII TOWN

'IF YOU STOPPED, YOU WERE DEAD'

Why is time important?



The only thing predictable about life is its unpredictability.

- Remy

ARATATOUILL

If it's predictable...



...it's preventable.

Prevent what is preventable.

Mitigating Risks





Wildland Fire



Pre-Identified Objectives and Tasks

Wildland Fire							
Objective	Responsible Contact						
1. To ascertain and document (size-up) the wildland fire and its possible impacts	Operations Section Chief , supported by Planning Section Chief and Fire Rescue/LE/PW Branch Directors, Dispatch, Watch Commander						
2. To provide for the health and safety of all EOC staff and first responders	Safety Officer						
3. To provide public safety alerts and emergency messaging	Emergency Notification Unit Leader, supported by PIO						
4. To conduct hazard area evacuation vs. shelter-in-place safety analysis	Operations Section Chief , supported by Planning Section Chief						
5. To conduct hazard area evacuations within the city	Law Enforcement Branch Director, supported by ENU, PIO, TMC, PW, NCTD, P&R, CERT						
6. To conduct shelter-in-place operations	Operations Section Chief , supported by Planning Section Chief						
7. To provide mass care shelter for evacuees	Care & Shelter Branch Director, supported by Branch Directors, shelter staff, and CERT						
8. To provide first responder field support	Operations Section Chief , supported by Fire/Law and PW Branch Directors and Logistics Section Chief						
9. To provide criminal investigation support if arson is suspected as possible cause of fire	Law Enforcement Branch Director, supported Fire Marshal						
10. To determine mutual aid support needs	Operations Section Chief, supported by Fire/LE/PW Branch Directors, etc.						
11. To provide base camp support for out-of-area mutual aid fire fighters and other first responders (LE Mobile Field Force, etc.)	Logistics Section Chief , supported by Fire/LE/PW Branch Directors, CERT, SVP, etc.						

29 Pre-Identified Objectives

L. To ascertain and document (size-up) the wildland fire and its possible mpacts
2. To provide for the health and safety of all EOC staff and first responders
3. To provide public safety alerts and emergency messaging
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6. To conduct shelter-in-place operations
7. To provide mass care shelter for evacuees
 To provide first responder field support
 To provide criminal investigation support if arson is suspected as possible cause of fire
10. To determine mutual aid support needs
11. To provide base camp support for out-of-area mutual aid fire fighters and other first responders (LE Mobile Field Force, etc.)
12. To continue to provide for public safety (immediate life, property and environmental protection) and welfare of the community (maintenance of basic needs: water, food, shelter, access and functional needs support, nealth care, waste water, trash collection, sanitation, coroner/mortuary/bereavement, transportation, communications, public
and environmental health, etc.)
13. To ascertain impact of incident on city organizational status, services, functions, and departmental operations
14. To determine and mitigate the impact of Public Safety Power Shutoff (PSPS)
15. To ascertain need for and ensure development of Local Proclamation of Emergency

16. To ascertain operability of City of Carlsbad Information & Computer Technology and Communications resources

17. To ascertain City of Carlsbad generator and fuel status and requirements

18. To manage traffic flow within the city

19. If power outage, to establish medical device charging stations for people with home health medical device needs

20. To ascertain and document access and functional needs support needs and provide assistance

21. To establish communications with area hospitals, and County Medical Operations Center (MOC), if appropriate (Annex D), to monitor incident impacts and assist where possible

22. To conduct damage assessment

23. To ascertain impact of wildfire on city water supply

24. To prevent any sewage spills and minimize other potential environmental impacts of incident

25. To minimize impacts of incident on protected habitat

26. To ascertain status of and impacts of incident on Palomar Airport Operations

27. To ascertain security requirements for critical infrastructure

28. To develop, coordinate, and announce repopulation plan for evacuated areas, if appropriate

29. To plan for Recovery

238 Pre-Identified Tasks

Wildland Fire							
Responsible Contact	Objective	Task					
EOC Director (under	12. To continue to provide for public	a. Task: Ascertain and document impact of incident on Fire					
strategic direction of Policy	safety (immediate life, property and	Department resources and staffing					
Group), assisted by Public	environmental protection) and welfare	b. Task: Ascertain and document impact of incident on Police					
Safety and Community	of the community (maintenance of	Department resources and staffing					
Welfare Status Officer	basic needs: water, food, shelter,	c. Task: Ascertain and document impact of incident on Public Works					
	access and functional needs support,	Department resources and staffing					
	health care, waste water, trash	d. Task: Determine and document priority community public safety					
	collection, sanitation,	incident response actions					
	coroner/mortuary/bereavement,	e. Task: Assess resource availability to complete community priority					
	transportation, communications, public	public safety response actions					
	and environmental health, etc.)	f. Task: Determine and document priority community welfare					
		incident response actions					
		g. Task: Assess resource availability to complete priority community					
		welfare response actions					
		h. Task: Update Public Safety and Welfare Status Boards					
		i. Task: Continue to provide public safety messaging					

Objectives – Tasks – Resources

TASKS Meeting (EOC Director)											
Wildland Fire											
tart Time:											
ast Update:											
Objective	Responsible Contact	Task	Personnel	Equipment	Supplies	Information	Transportation	Facilities	Completion Time	Completion Status	Safety Review
(immediate life, property and environmental protection) and welfare of	direction of Policy Group), assisted by Public Safety and Community Welfare Status Officer	a. Task: Ascertain and document impact of incident on Fire Department resources and staffing b. Task: Ascertain and document impact of incident on Police Department resources and staffing									
	c. Task: Ascer document im incident on P Department i and staffing d. Task: Dete document pri community p	c. Task: Ascertain and document impact of incident on Public Works Department resources and staffing									
		d. Task: Determine and document priority community public safety incident response actions									
		e. Task: Assess resource availability to complete community priority public safety response actions									

Pre-Identified Objectives and Tasks



Active Shooter



Civil Unrest

Climate Change



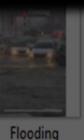
Palarner Neport Incident

Incident

Dam Failure

Drought Earthquake









Gas Pipeline

Hazardous Materials



Landslides



Marine Oil Spill



Mass Casualty Incident

Palomar Airport Power Outage Energy Shortage

Public Health Emergency Pandemic

Radiological Accident

Radiological Incident

Severe Winter Storms

Sewage Spill Wastwater Incident



Space Debris



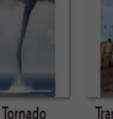
Space Weather



Structure Fire



Terrorism



Transportation



Disease X

33 Hazards

190 Objectives 1,346 Tasks

Tsunami





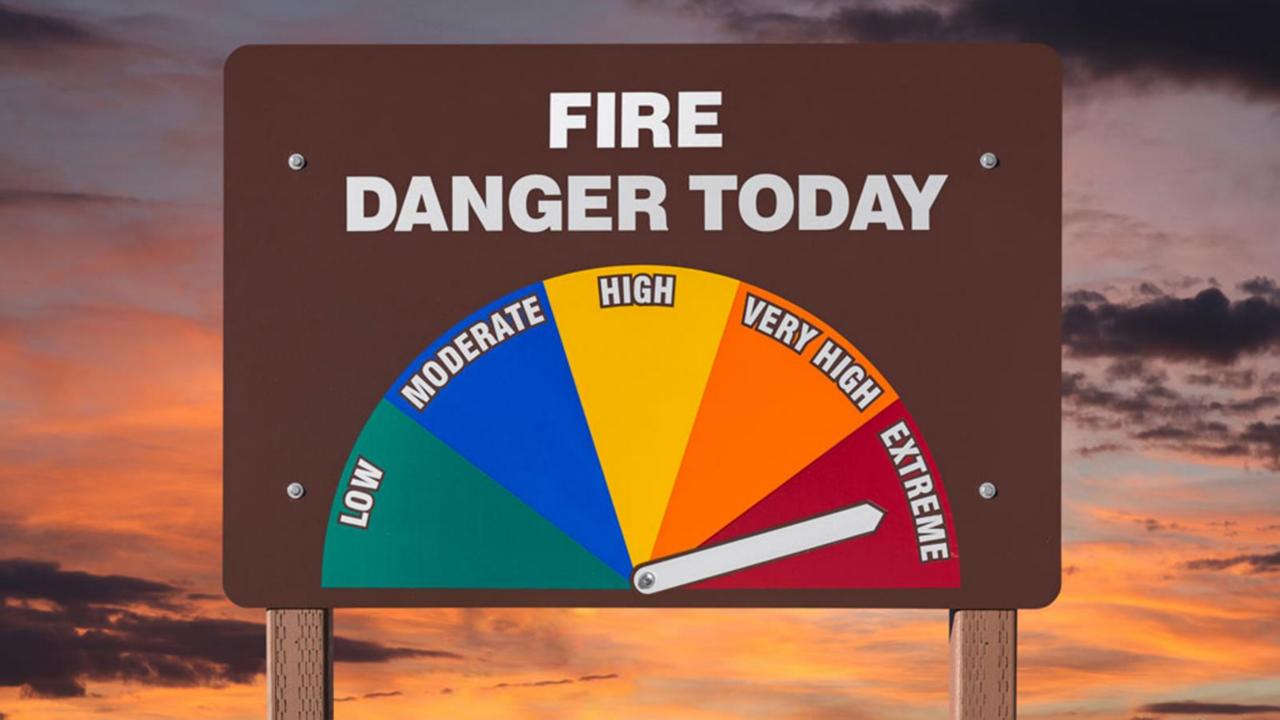
Volcanic Ash



Wildland Fire







Advance notice

A NOTIFICATION, SIGNAL, OR SIGN THAT SOMETHING IS GOING TO HAPPEN OR IS EXPECTED TO HAPPEN.

> RED FLAG WARNING >> MONDAY 1PM - WEDNESDAY 11AM

FIRST ALERT WEATHER



Carlsbad Hazard Notification

Wildland Fire Potential Outlook:

Eastern regions of Carlsbad (NE) are experiencing elevated fire potential conditions Monday, September 13 through Monday, September 20.

7-Day FPI Outlook Issued 9/13/21



Meteorology <Meteorology@semprautilities.com> To OCS Weather Distribution; OEDO - FPI

Retention Policy Carlsbad Email Retention Policy (2 years)

Carlsbad Hazard Notification

Normal	Elevated	Extreme
< 12	12-14	15-17

	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
	9/13	9/14	9/15	9/16	9/17	9/18	9/19	9/20
ME	Elevated							
	14	14	14	14	14	14	14	14
RA	Elevated							
	14	14	14	14	14	14	14	14
EA	Elevated							
	13	13	13	13	13	12	12	12
NE	Elevated							
	13	13	13	13	13	12	12	12
00	Elevated							
	13	13	13	13	13	12	12	12
NC	Normal							
	11	11	11	11	11	10	10	10
BC	Normal							
	11	11	11	11	11	10	10	10
СМ	Normal							
	11	11	11	11	11	10	10	10

Facilitate the overall functioning of the EOC, coordinate with other agencies and SEMS levels, and serve as a resource to the EOC Director.

- Using Teams review EOC position notebook contents, responsibilities, incident response objectives (O/T/R), and checklists twice a year
- Ensure understanding of position role in an emergency and related organizational responsibility within the EOC
- Develop "hazard-environment" awareness and its implications (family preparedness, work schedule disruption, potential EOC activation, etc.)
- Upon receipt of advance incident alerting, if received
 - Using Teams review EOC position responsibilities and incident response objectives (O/T/R)
 - Validate/update reference materials, links, and contact information

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RED FLAG WARNING

A Red Flag Warning is issued when critical fire weather conditions are happening or are about to happen.

Avoid burning, be careful around open flames, safely dispose of cigarettes. Fires can spark and grow very quickly.

Take Action!

Community Notification

- Avoid using spark/heat generating equipment in/near dry brush areas
- Plan evacuation routes
- Report hazardous activities, smoke, or fire to 9-1-1



Blue Sky Day

Bad Day

Prevent what is preventable.

If it's predictable...

...it's preventable.

Emergency Operations Center

Individual EOC Responsibilities



Individual EOC Responsibilities

EOC Coordinator Position Responsibilities and Checklist

Facilitate the overall functioning of the EOC, coordinate with other agencies and SEMS levels, and serve as a resource to the EOC Director.

Pre-Incident Responsibilities

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Collective EOC Responsibilities



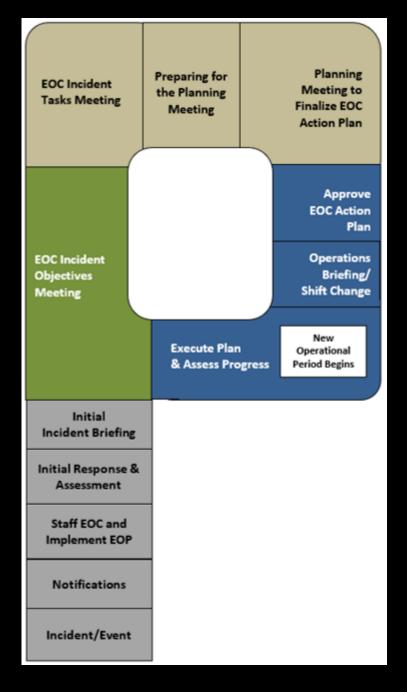
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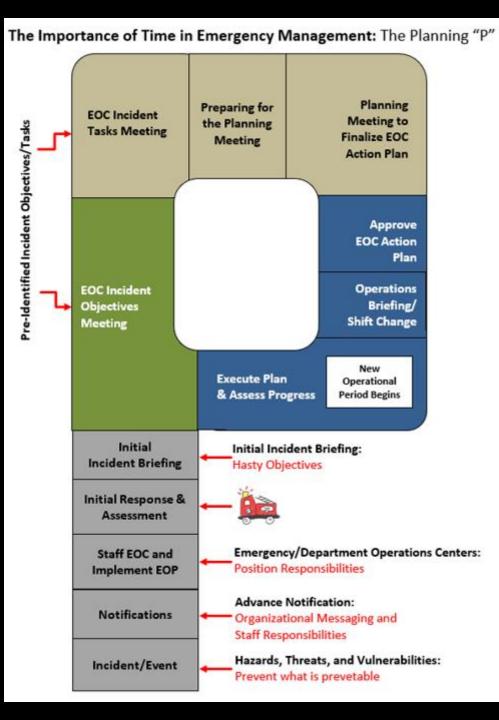
Create Hasty Objectives

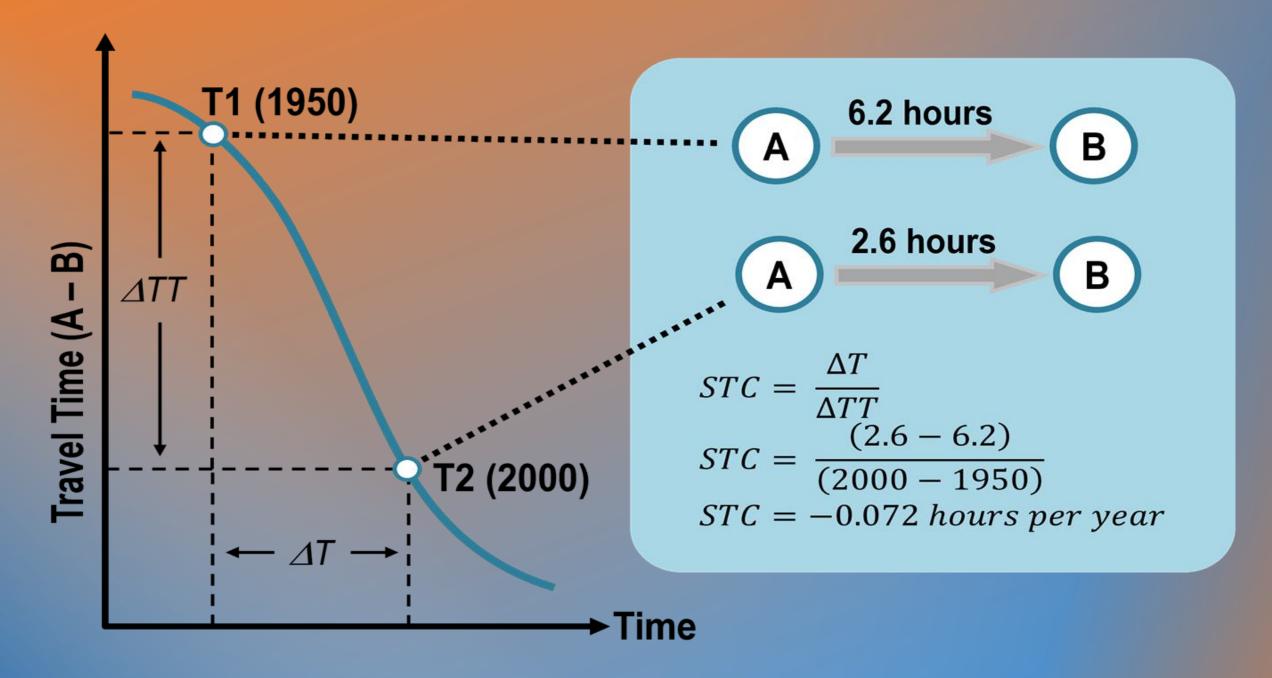
- 1. Save Lives
- 2. Protect Heath and Safety
- 3. Protect Property
- 4. Preserve the Environment
- 5. Fiduciary Duty







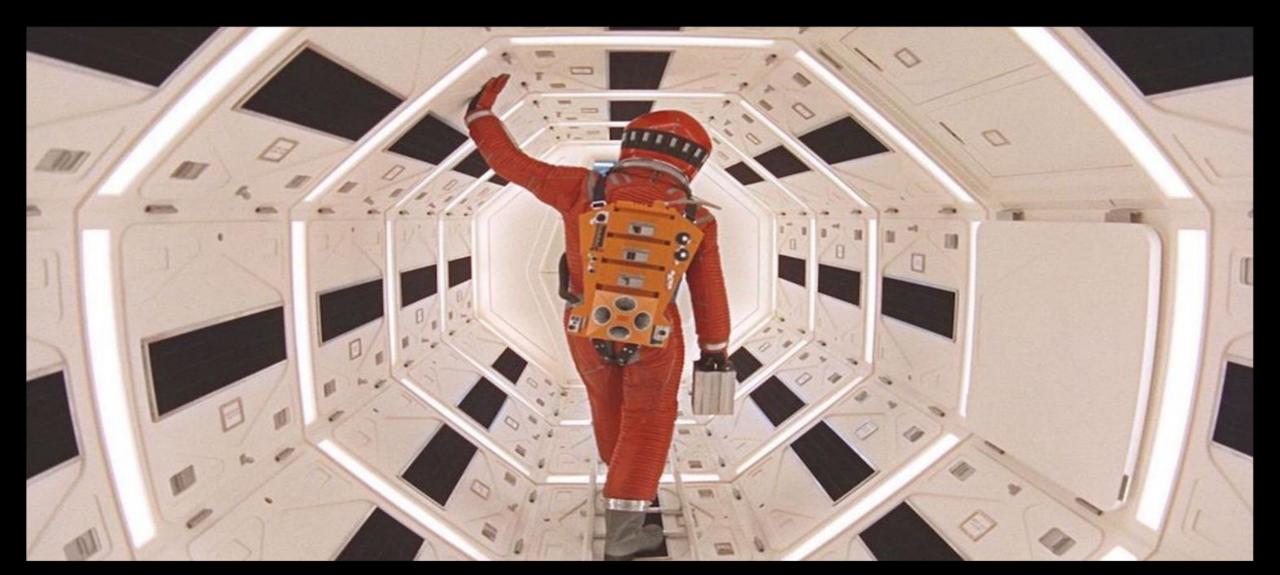








What does the future hold?



Resilience

The best way to predict the future is to create it. Peter Drucker



Questions?







(760) 644-1070

Don Rawson



don.dra@outlook.com



www.donrawsonassociates.com



www.linkedin.com/in/don-rawson-52549225b