

Wildfire Prevention & Preparedness

Moderated by:

Mayor Farrah N. Khan, City of Irvine

Presented by:

Bobby Simmons - Emergency Services Manager - Irvine Police Department

Nick Freeman, Division 2 (Irvine) Fire Chief - Orange County Fire Authority

Madi Killebrew – Program Manager - Irvine Ranch Conservancy



MAYOR
Farrah N. Khan



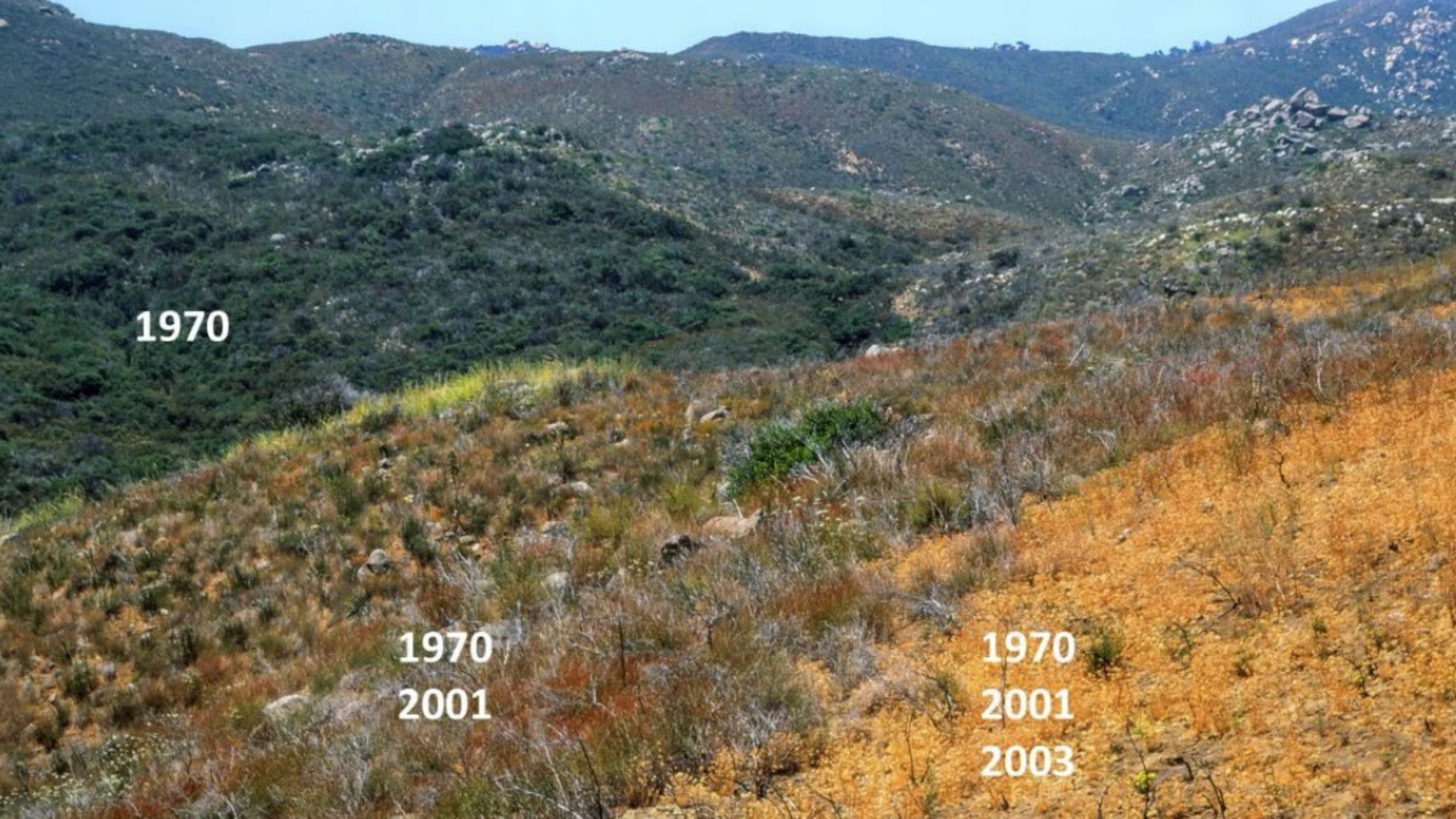
CITY OF IRVINE

Irvine Ranch Conservancy

Goal: Protect, restore, and enhance the ecological health of urban wildlands in Southern California so they can be enjoyed for generations to come:

- Habitat Restoration & Enhancement
- Plant Materials
- Invasive Species Control
- Community Engagement & Education
- Monitoring & Research
- Planning & Infrastructure
- Volunteer Management
- Fire Prevention & Management





1970

1970
2001

1970
2001
2003

Restoration & Enhancement



Orange County Fire Watch

- Managed by Irvine Ranch Conservancy and facilitated in partnership with Orange County Parks, City of Irvine, City of Newport Beach and Orange County Fire Authority
- 300+ highly trained volunteers act as early reporters and visual deterrents during Red Flag warning events



Wildfire Landscape Changing Rapidly

Hill Fire breaks out near 60 Freeway in Jurupa Valley prompting evacuations

By Mary Stringini | Published 5 days ago | Updated 4 days ago | Wildfires | FOX 11

Nearly 50,000 ordered to evacuate Los Angeles-area homes as Tick Fire picks up speed, jumps freeway

[Doug Stanglin](#) USA TODAY

Published 9:52 a.m. ET Oct. 25, 2019 | Updated 2:47 p.m. ET Oct. 25, 2019

Latest Kincade Fire news: Sonoma County evacuations expand to nearly all of county

By Amy Graff, Eric Ting and Alix Martichoux, SFGATE, and Chris Prevolos | Updated 8:12 am PDT, Sunday, October 27, 2019

Getty Fire burns 650 acres, forces thousands to evacuate in LA

POSTED 3:34 AM, OCTOBER 28, 2019, BY MATT MEYER AND MALIK EARNEST, UPDATED AT 08:27AM, OCTOBER 29, 2019

Twin fires cause evacuations in Vallejo, Crockett, closing part of I-80

Chris Prevolos, Matthias Gafni, Michael Lerseth and Steve Rubenstein | Oct. 27, 2019 | Updated: Oct. 27, 2019 8:54 p.m.

Hillside Fire: Fast-moving San Bernardino blaze forces evacuations, damages homes

Posted: 6:56 AM, Oct 31, 2019 Updated: 11:52 AM, Oct 31, 2019

By: [Jermaine Ong](#)

Fast-moving wildfire triggers evacuations in Ramona

POSTED 9:36 AM, OCTOBER 25, 2019, BY MATT MEYER, FOX 5 DIGITAL TEAM, JEFF MCADAM AND JUSTINA MYERS, UPDATED AT 06:04PM, OCTOBER 27, 2019

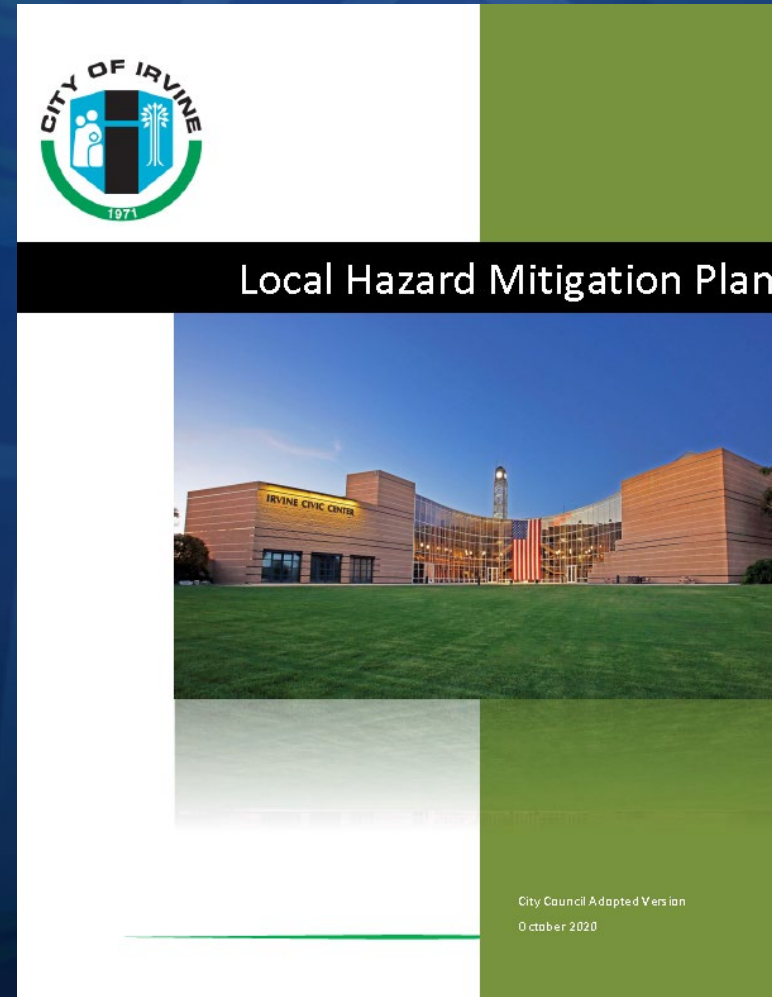
Despite break in winds, Maria Fire north of Los Angeles becomes fast-moving blaze, prompting evacuations

[Doug Stanglin](#), [Cheri Carlson](#), [Megan Diskin](#) and [Mo Jazi](#) Ventura County Star

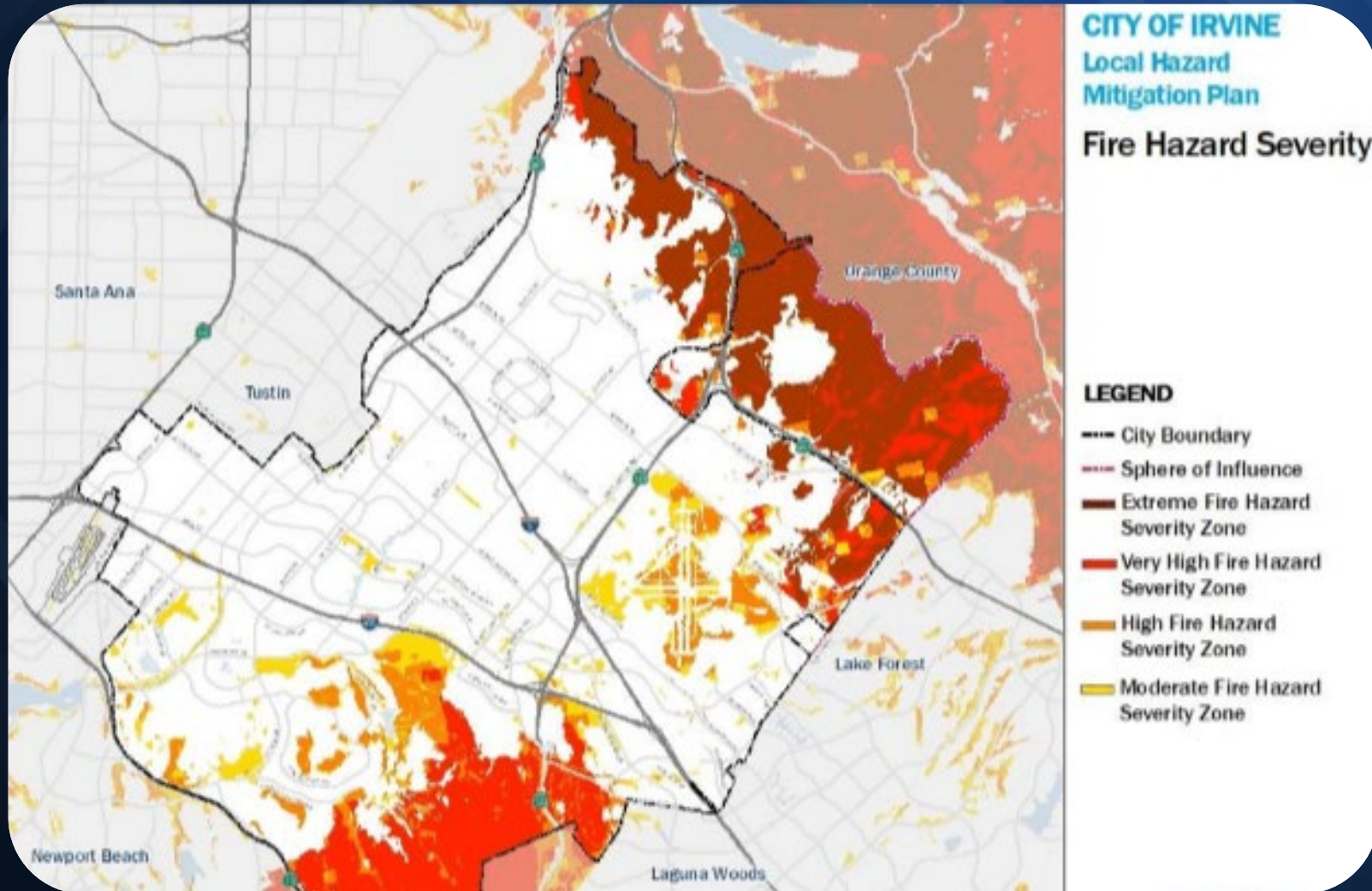
Published 9:26 a.m. ET Nov. 1, 2019 | Updated 12:50 p.m. ET Nov. 1, 2019

Irvine Hazard Threat Rating

- Earthquake
- **Wildfire**
- Severe Weather
- Aircraft Incident
- Human Caused Hazards
- Geologic Hazards
- Flooding
- Haz Mat Release
- Dam Failure



Wildfire Severity Zones



Wildfires

Canyon Fire II
October 9 – 17, 2017



9,217 Acres Burned
25 Structures Destroyed
55 Structures Damaged

Wildfires

**Aliso Fire
June 2 - 4, 2018**



**175 Acres Burned
Over 500 Firefighters
6 Fixed Wing Aircraft**

2019 Evacuation Plan Working Group

- Public Safety
 - Law Enforcement
 - Emergency Management
 - Dispatch
 - Public Information
 - Animal Services
- Public Works
 - Open Space
 - Traffic Management Center
 - Streets & Signals
- Community Services
 - Care & Shelter
 - Irvine Animal Care Center
 - Disability Services
 - Transportation
- Community Engagement
 - GIS
 - Orange County Fire Authority

Evacuation Planning

- Evacuation Terminology
- Evacuation Zones & Routes
- Real-time Mapping
- Traffic Management
- Alert & Warning
- Mutual Aid
- Evacuation of Animals
- Care & Shelter
- Access Control & Security
- Repopulation

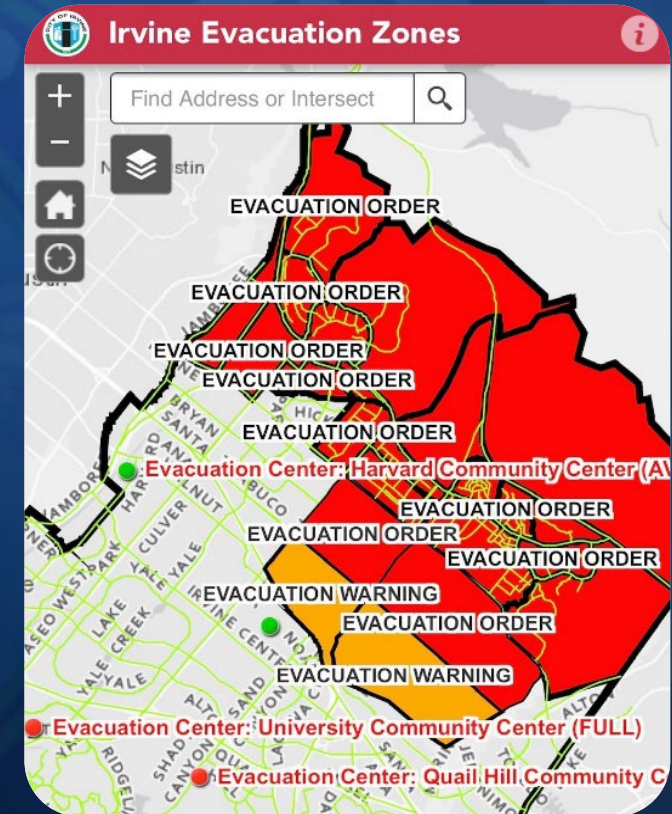
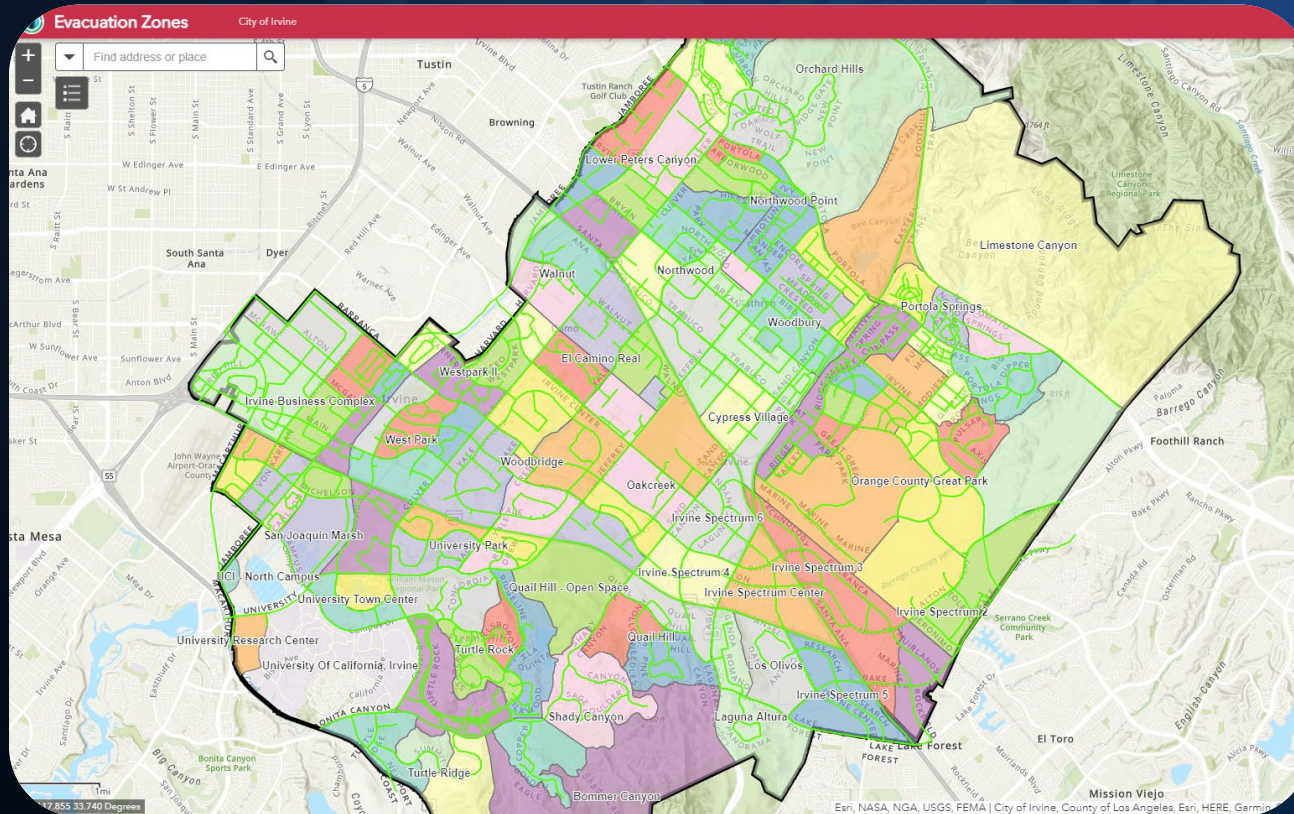


Emergency Operations Plan
Annex VIII
Evacuation

September 2019

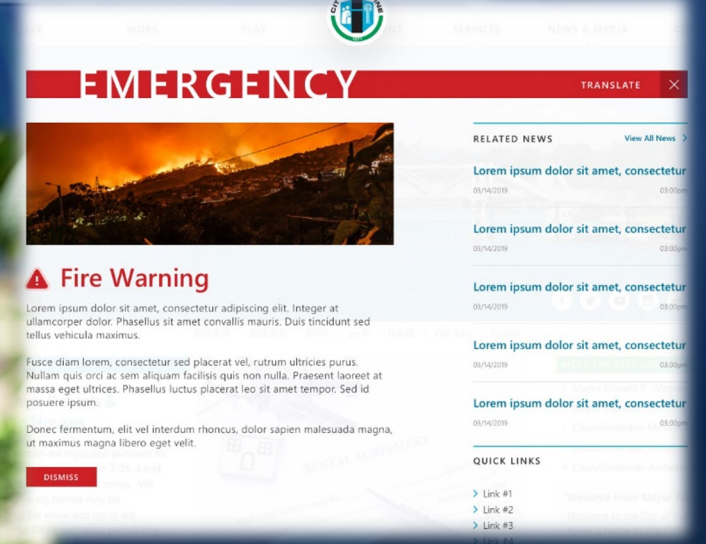
“Know Your Zone”

Real-time Evacuation Map



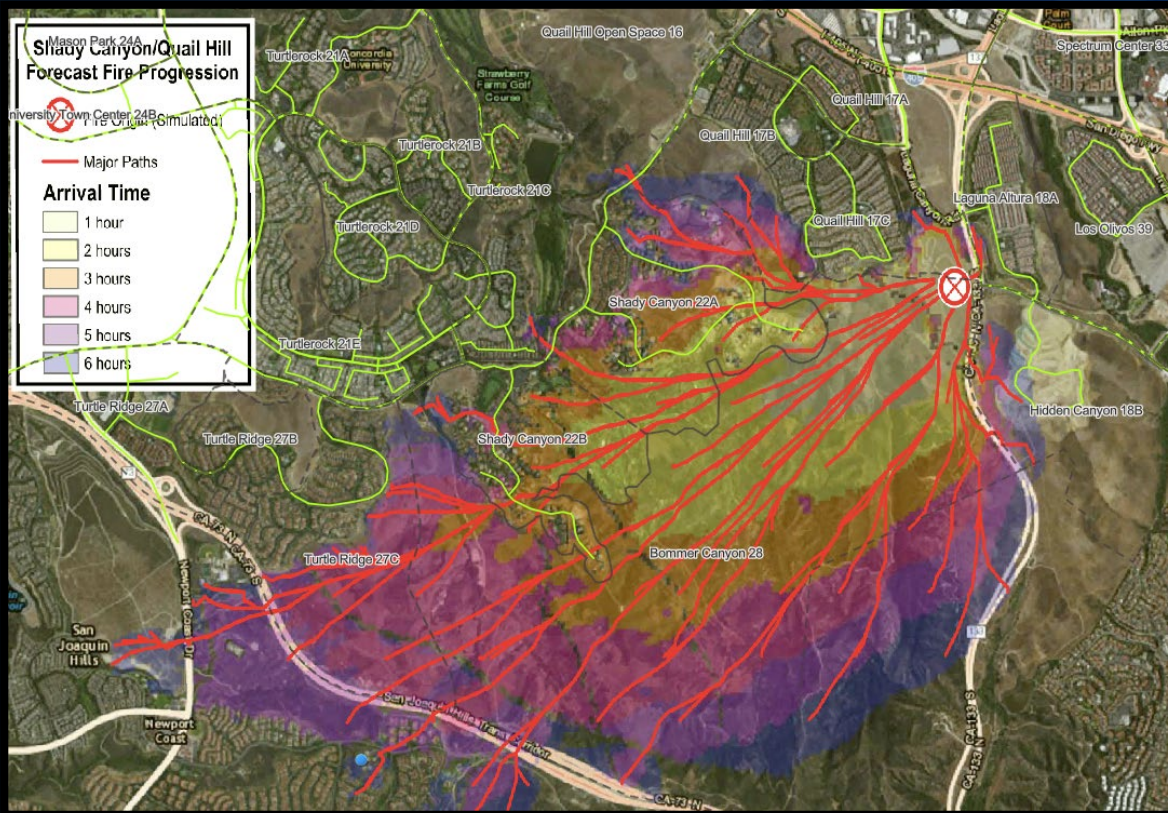
Emergency Alerts & Public Information

- AlertOC
- Wireless Emergency Alerts
- Scalable Emergency Web Page
- Social Media
- AM 1640

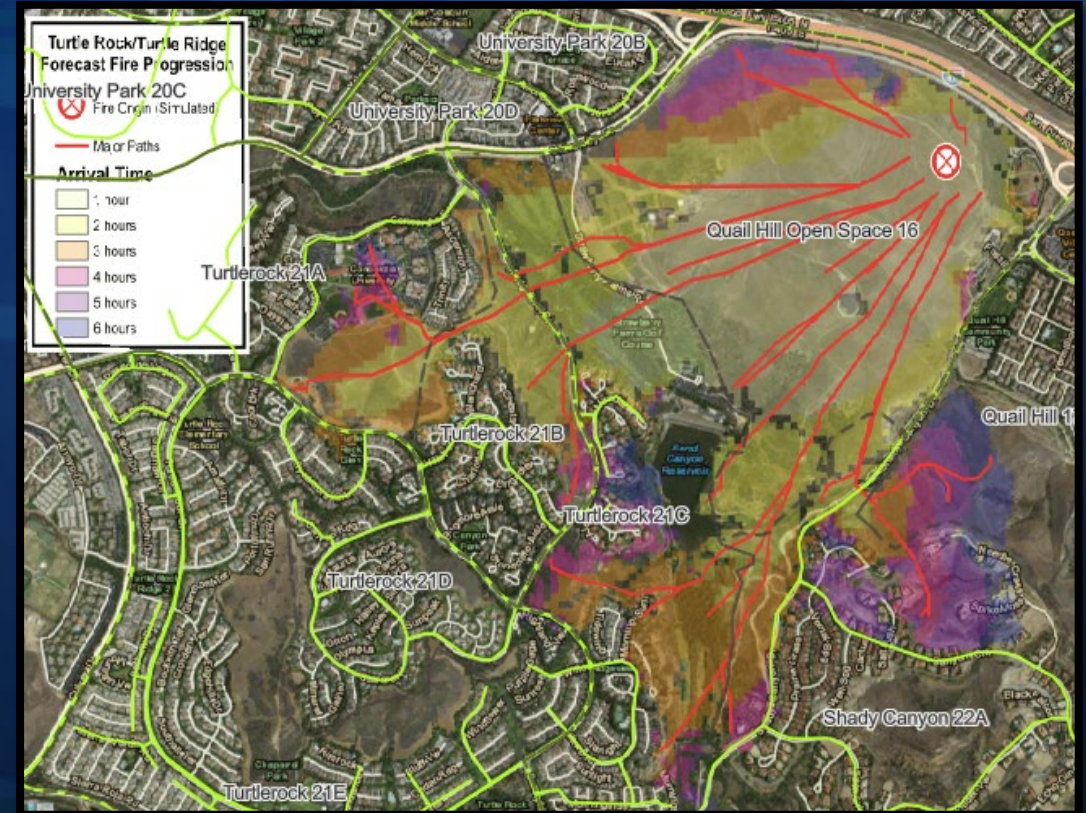


Wildfire Behavior/Modeling Tools

Shady Canyon Fire Progression



Turtle Rock Fire Progression





  
READY, SET, GO!



IS YOUR HOME READY?

- **Vegetation Management**
 - Fuel Modification Plan
 - Defensible Space
- **Immediate Zone**
- **Home Hardening**

READY, SET, GO!





GET SET! ...PREPARE YOUR FAMILY

Always Have a Plan

- Escape Routes
- Predetermined Location

Prepare Emergency Supplies

- People and Pets
- Papers
- Prescriptions
- Pictures
- Personal Computers
- Plastics

Outdoors

- Move flammable items from exterior of the house
- Turn off water
- Connect garden hoses to taps
- Patrol property to extinguish small fires

Indoors

- Shut all windows and doors
- Move furniture away from windows and doors
- Shut off air conditioning



READY, SET, GO!





...GO!

- Leave before you are told
- Take your valuables and emergency kits
- Utilize practiced escape routes and head to evacuation location
- Don't get caught in fire, smoke, or congestion
- Don't endanger yourself or responders
- Dress appropriately
- Don't wait!

READY, SET, GO!



Vegetation Management Plan

- Strategically modify the arrangement of vegetation by thinning and removing plant material, minimizing fire spread.
- Typically implemented between structures and the open space



Vegetation Management

OCFA Crews



OCFA Heavy Equipment



SILVERADO FIRE



Red Flag Warning
High Wind Warning
6:52 a.m. Silverado Fire Reported



October 2020

SILVERADO FIRE

- 12,466 acres burned
- 9 structures damaged
- 3 structures destroyed
- 2 firefighters critically burned



OPERATIONS

- 50+ outside fire agencies
- 2,292 firefighters
- 437 engines
- 19 helicopters
- 37 dozers
- 15 hand crews
- 13 water tenders





Silverado Fire - EOC Response



Evacuation & Repopulation

Evacuation:

- 120 IPD Officers
- 35 Mutual Aid Police Officers
- 37,870 Residential Units
- 90,000 People Evacuated

Repopulation:

- Tiered Process
- 3 Days



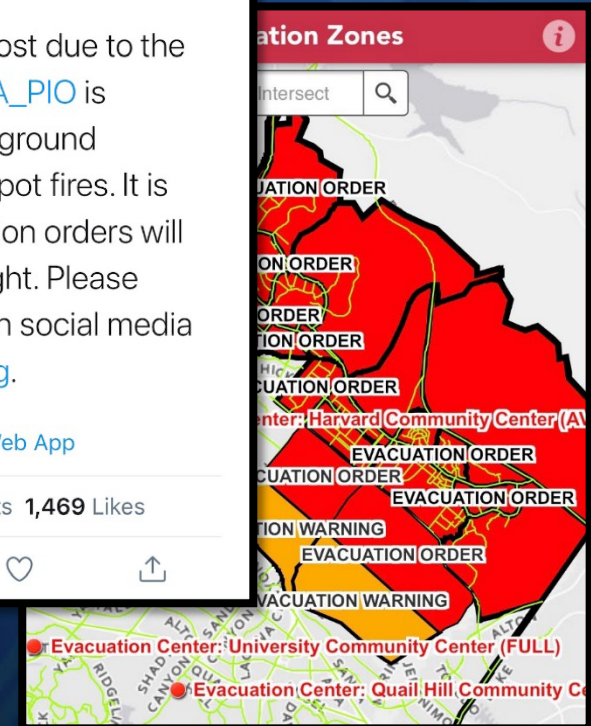
Emergency Alerts

- Wireless Emergency Alerts Issued: 3
- Alert OC Notifications Issued: 7
- 25,000+ NEW Alert OC Signups
- Embedded links to evacuation map.



Public Information

- City Website: 613,501 Visitors
- GIS Evacuation Map: 3.2 Million Views
- Social Media: 10 Million+ Impressions
- AM 1640 Recorded Messages
- IPD Dispatch received 7,200 calls

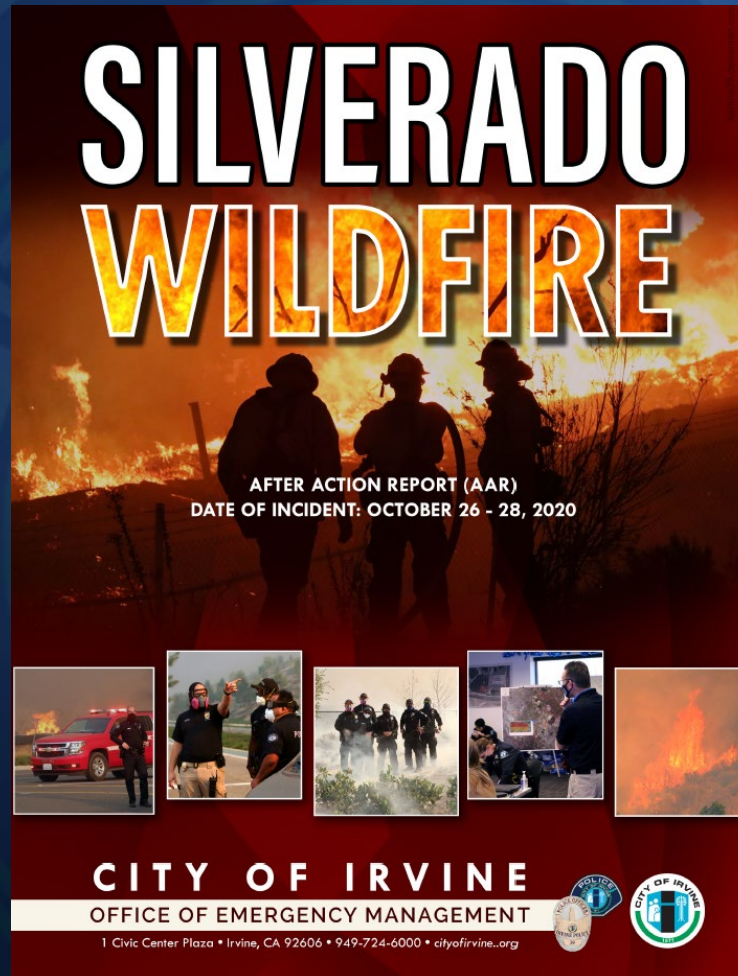


Care & Shelter

- Care & Shelter Locations: 12
 - 7 Community Centers
 - 2 IUSD Schools
 - 3 Other Community Resources
- Day Use - People Served: 1,553
- Overnight – People Served: 380
- Total Animals Served: 82



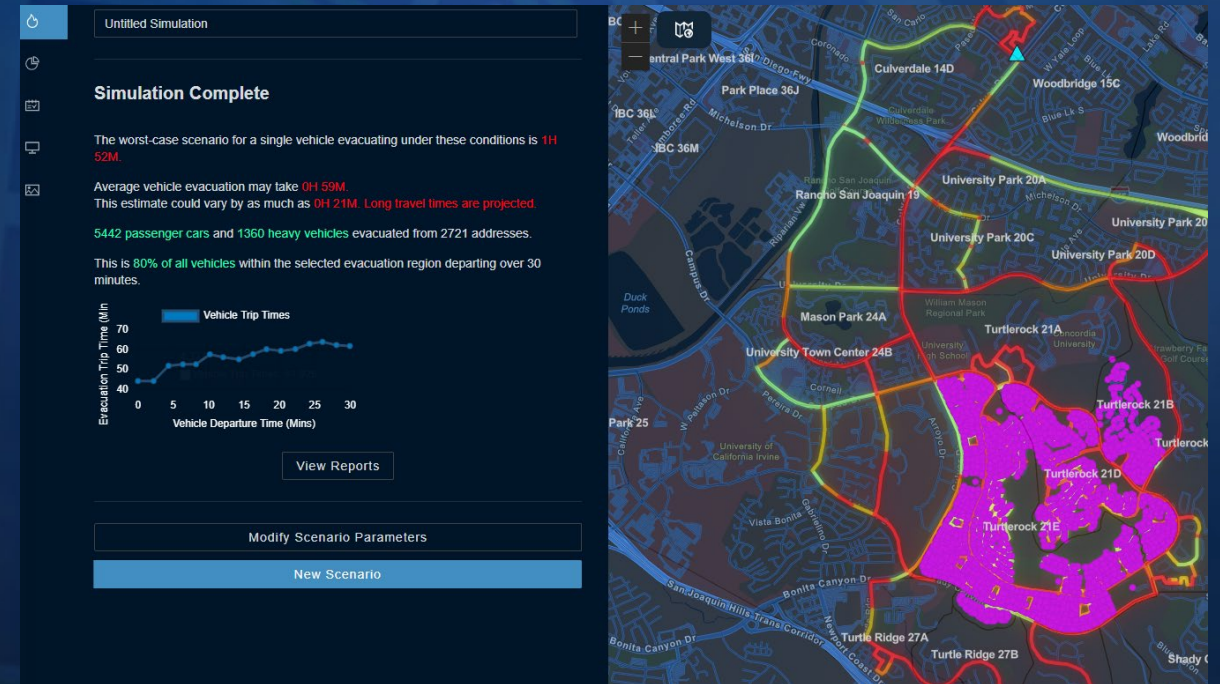
After Action & Improvement Planning



Technology & Innovation

Hi/Lo Siren

Evacuation Modeling Software



Technology & Innovation

Fire Integrated Real-Time Intelligence System Program (FIRIS)



Collaboration, Training, & Exercising

IRVINE POLICE DEPARTMENT
OFFICE OF EMERGENCY MANAGEMENT

TURTLE ROCK EVACUATION

TABLETOP EXERCISE (TTX)
AFTER ACTION REPORT (AAR)

DATE OF EXERCISE: DEC. 18 2017



IRVINE POLICE DEPARTMENT
1 Civic Center Plaza • Irvine, CA 92606
949-724-7000 • irvinepd.org
In Partnership with the Community



HARBOR REGION EVACUATION

TABLE TOP EXERCISE

Date of Exercise: October 4, 2021



EMERGENCY PREPAREDNESS INTERAGENCY COLLABORATIVE (EPIC)



Wildfire Planning TABLETOP (TTX) EXERCISE

May 22, 2019

A Joint Tabletop Exercise with Members of the
Emergency Preparedness Interagency Collaborative

Questions?



MAYOR
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Thank you!

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