

WILDFIRE RESPONSE

North Coastal Station
Del Mar Fire Department



MIKE DAVIS, LIEUTENANT
JOSH GORDON, FIRE CHIEF

Training & Preparedness



- Training via the Learning Management System
- San Diego County Multi-Agency Wildland Fire Preparedness Exercise
- Fire & Law Extended Wildfire Attack Drills
- Annual Fire Training for Supervisors
- Fire Gear for Sworn Personnel
- Sheriff's Operations Center

Training & Preparedness



In House Wildland Fire Drill (RT-130)

- Area Familiarization
- Tailored Training for Del Mar Fire Hazards

Partnership With San Diego County Fairgrounds

- Evacuation Shelter

San Diego County Collaboration

- Pre-positioned Strike Teams

Training & Preparedness



Emergency Operations Plan (EOP)

- Updated July 2024

Crest Canyon Evacuation Plan

Fuel Reduction Program

- Partnership with EDCO

Fire Preparedness Workshops

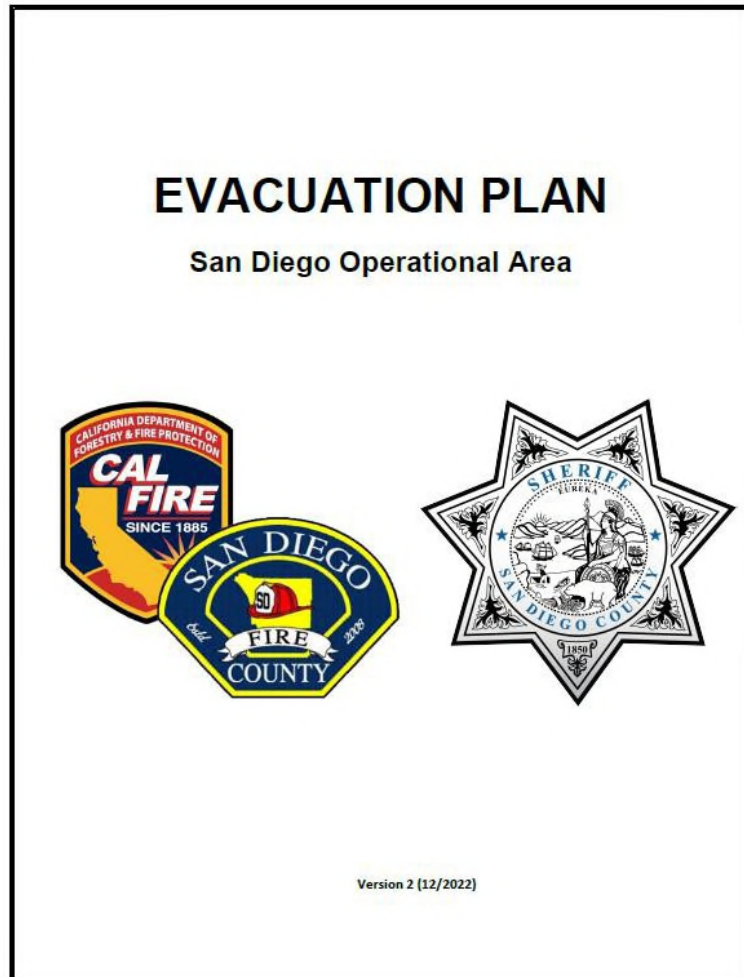
Initial Response



- Law Enforcement & Fire establish Unified Command
- Fire location and initial assessments are made to determine threats to life and property
- Law Enforcement conducts evacuations, emergency Alert & Warnings, and road closures
- 50% of ALL Sheriff's on duty patrol can respond if needed
- Sheriff's pre-designated mobile field force platoons
- Regional mutual aid can be requested from other agencies

Evacuations

- Evacuation and Repopulation processes **are standardized** throughout the County Operational Areas.



FIRE

- Assume command of the incident.
- Conduct a situation assessment and evaluate need for evacuations.
- Establish an ICP with sufficient room for representatives from other assisting agencies and announce its location.
- Establish Evacuation / Repopulation Branch.
- Request Agency Representative from Law Enforcement to respond to the ICP.
- Request Agency Representative from County OES to respond to the ICP.

LAW ENFORCEMENT

- Supervisor of the rank of Sergeant or above respond to the ICP. Request a Deputy to be assigned to the Operations Section Chief.
- Maintain ingress and egress routes for emergency vehicles.
- Establish perimeter control; keep unauthorized vehicles and pedestrians out of involved area.
- Conduct evacuations if required at the direction of the IC.
- Notify the Unified Incident Commander of evacuations, which may have taken place prior their arrival.
- Establish anti-looting security patrols for evacuated areas within the perimeter when safe to do so.

II. EVACUATIONS

This document will assist Law Enforcement and Fire Department personnel in the implementation of an evacuation plan. It is designed to provide coordination, guide collaboration, and improve efficiency in accomplishing all identified incident objectives.

Evacuation Definitions:

- Evacuation Order: Immediate threat to life.** This is a lawful order to leave now. The area is lawfully closed to public access.
- Evacuation Warning: Potential threat to life and/or property.** Those who require additional time to evacuate, and those with pets and livestock should leave now.
- Shelter in Place:** Go indoors. Shut and lock doors and windows. Prepare to self-sustain until further notice and/or contacted by emergency personnel for additional direction.

**WHEN YOU HEAR
THE HI-LO,**



IT'S TIME TO GO!

Hi-Lo Siren



The Hi-Lo can be used to notify the public of an **EVACUATION ORDER!!**

TEP and Shelter

Temporary Evacuation Point

- A location designated as a **rally point or place of safety** for individuals to relocate to during an evacuation.
- American Red Cross is the primary shelter provider and has predesignated shelter locations around the county.



**American
Red Cross**
San Diego



Alert and Warning Methods

Alert San Diego

- Public can visit AlertSanDiego.org to register cell phones, email, and VoIP phones (landlines are already included).



Wireless Emergency Alerts

- **No need to register to receive messages.**
- All cell phones are set to receive WEA (*unless disabled by user*).



ALERT SAN DIEGO

Preparedness

Emergency

Recovery



ALERT
SAN DIEGO

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ALERT
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5 Steps to Disaster Preparedness

1. Create your own [Personal Disaster Plan](#) (available in 12 languages)
2. [Register your cell phones](#) for emergency alerts
3. [Download the SD Emergency mobile app](#), now with [Earthquake Early Warning](#)
4. Make an [Evacuation Go-Kit and a Shelter-in-Place Stay Kit](#)
5. Click on the icons below to review the types of disasters that San Diego is most at risk for:



Wildfire

Be prepared for wildfires by learning about defensible space and evacuation planning.



Earthquake

Earthquakes can happen with little warning. If you feel shaking, remember to Drop, Cover and Hold On!



Heat

Learn about heat related illness and tips to beat the heat like staying hydrated and not leaving kids or pets in vehicles.



Tsunami

Learn the signs of incoming Tsunamis and when you need to move to high ground away from beaches and waterways.



Flooding

Learn about flooding impacts and what you can do to prepare like never driving through flooded roadways.



Pandemic

Pandemics, like COVID-19, affect everyone. Know your trusted sources of information before the next one.

Disaster Info Updates

Post Date	Headline	Accessible Formats
01/21/2025 05:35 AM PST	Large Animal Shelter Opened for the Lilac Fire near Bonsall	ASL Audio
01/21/2025 01:28 AM PST	Lilac Fire near Old Highway 395 and Lilac Rd, Evacuation Orders Issued	ASL Audio
01/20/2025 04:37 PM PST	Ted Williams Fire Final Update	ASL Audio
01/20/2025 02:13 PM PST	Ted Williams Fire near Poway, Evacuation Warnings Issued	ASL Audio
01/19/2025 01:03 PM PST	High Wind Warning for San Diego County Mountains and Valleys on Tuesday from 4 a.m. to 8 p.m.	ASL Audio

More

Please note that Disaster Info Updates on AlertSanDiego.org are intended for regional emergencies that pose significant threat to large numbers of people and/or property. Check media and local fire and/or law enforcement for information about smaller, localized events.



Click here to view the
Emergency Map

ALERT SAN DIEGO



Preparedness

Emergency

Recovery



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Register for Emergency Alerts

The emergency notification system can make phone calls to people and businesses in San Diego County when there's an emergency or disaster happening or about to happen. It's used by emergency workers to tell people what's going on and what they should do (like leave their homes, stay inside, or watch out for a gas leak or a missing person). The system can call both listed and unlisted landline phones using the 9-1-1 phone list from the local phone companies.

It can also send alerts to your cell phone, internet phone (VoIP), and email, **but only if you register.** You don't have to sign up if you have a regular landline phone; they already have those numbers in their system.

Alerts in American Sign Language (ASL)

Accessible AlertSanDiego is a service that helps people in San Diego County who are deaf, blind, hard of hearing, or deaf/blind get emergency information.

You can receive emergency messages on devices like computers, cell phones, tablets, and special devices that help people who are blind or have low vision (like Braille readers). These messages are shown in American Sign Language (ASL) videos, and there's also English voice and text with them.

When you sign up for AlertSanDiego, you can choose the "Accessible Option" to get these messages in American Sign Language (ASL).

SD County Emergency



SD County Emergency



ReadySanDiego

Plan, Prepare



Emergency

Disaster Info, Maps, Shelters



Recovery

Resources, Assistance, Guidance

Disaster Info | Refreshed: 11/29 11:28 AM PT

Red Flag Warning Extended through to Wednesday, 11/14 at 5:00pm

MON NOV 12, 2018 11:00 AM PST **ASL/Audio**

Red Flag Warning for November 11 to November 13

Sat Nov 10, 2018 08:00 PM PST **ASL/Audio**

Red Flag Warning for November 8 to November 9

Thu Nov 08, 2018 09:00 AM PST **ASL/Audio**



Home



Ready



Emergency



Recovery




Social

genasys PROTECT

<https://protect.genasys.com>



SanDiegoCounty 
@SanDiegoCounty

Follow

PREPARE for wildfires and
DOWNLOAD the Genasys Protect app
at protect.genasys.com/download to
receive critical alerts that can affect
your family.

APPLE App Store



Google Play



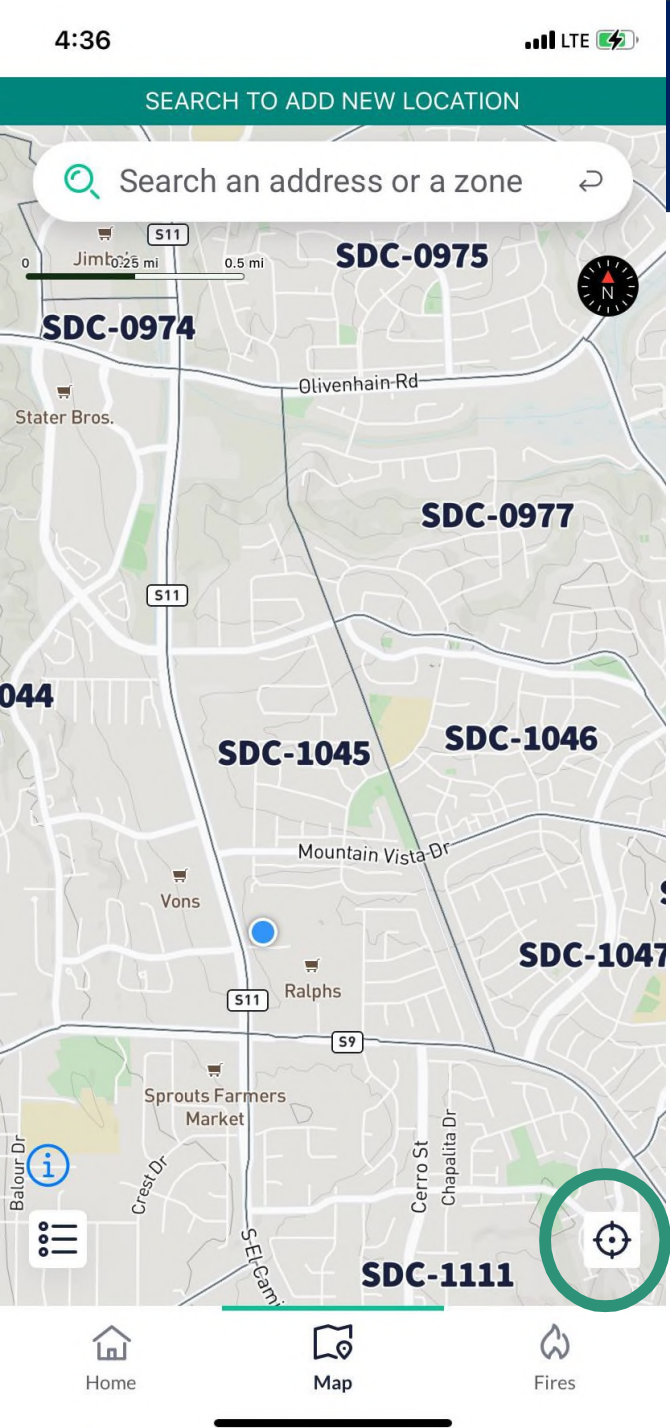
genasys
PROTECT

Download on the
App Store

GET IT ON
Google Play







ALERT
SAN DIEGO

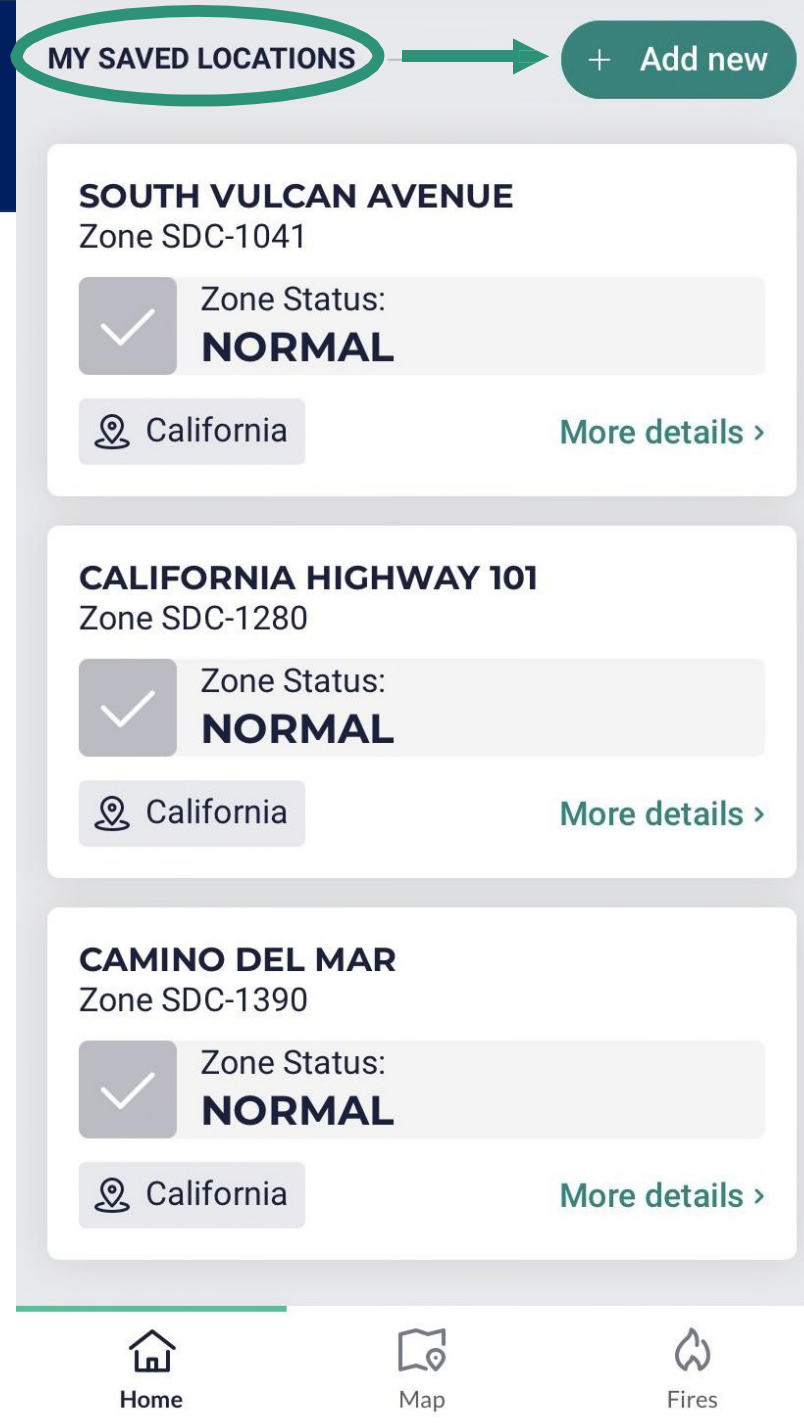


genasys PROTECT

Finding Your Evacuation Zone

Genasys Protect makes it simple to find your zone and easily check its status to help keep you informed and safe.

Status	Color	
EVACUATION ORDER	Red	
EVACUATION WARNING	Yellow	
SHELTER IN PLACE	Purple	
ADVISORY	Blue	





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Search

LILAC 2

Updated: 10:30pm 01/20/2025

Fires

About

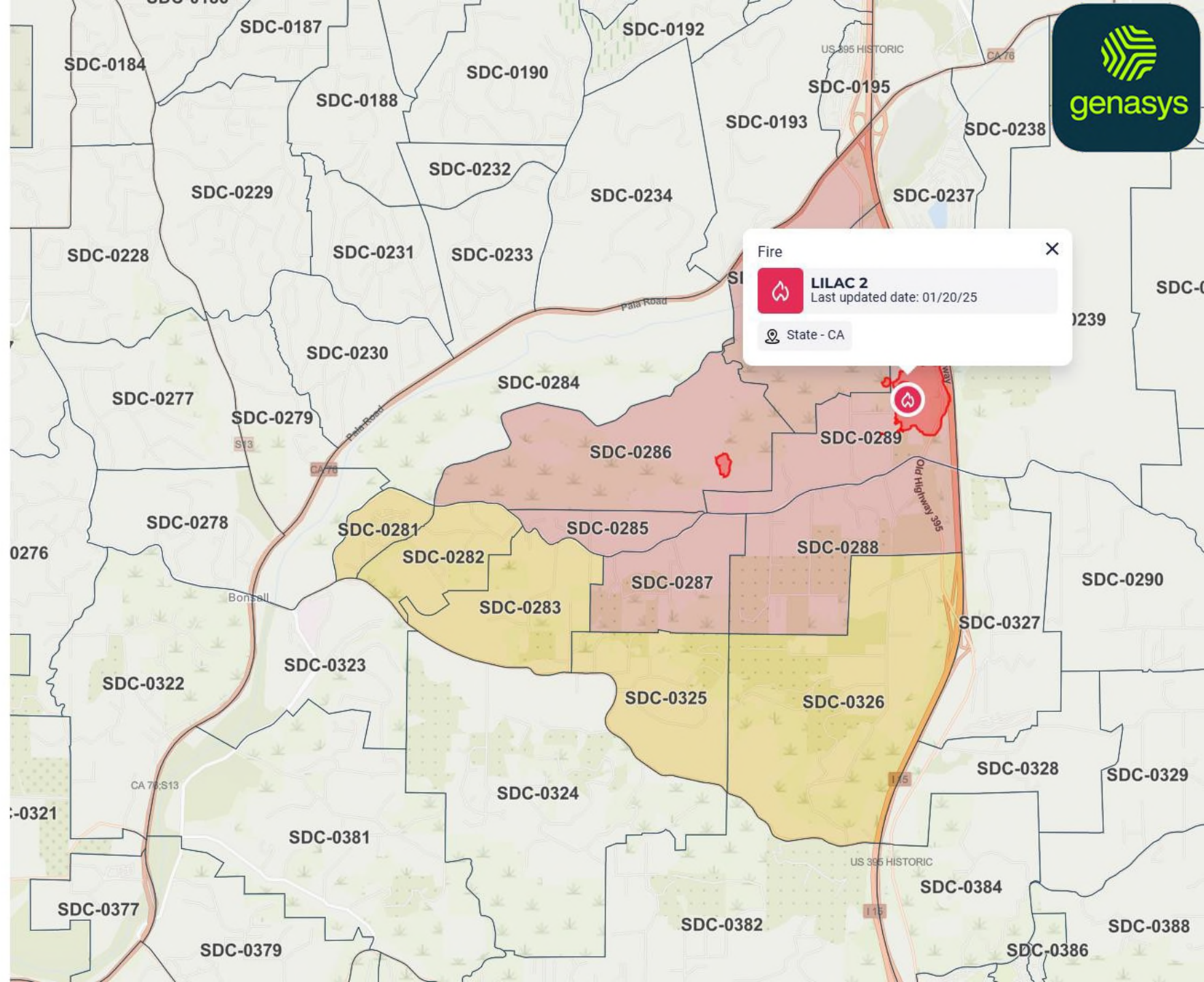
Download App

CONTAINMENT % N/A

START DATE 01/21/2025

ACREAGE 80

COUNTIES AFFECTED
San Diego, US-CA



Status **EVACUATION ORDER**

REASON

Hard Road Closure Due To Fire.

Immediate threat to life. This is a lawful order to leave now. The area is lawfully closed to public access.

CRITICAL NOTIFICATIONS

Never miss an alert, and receive critical notifications on the go with the Genasys Protect mobile app

[Download app now](#)

EVACUATION POINTS



Edwards Theater

2951 Jamacha Rd., El Cajon, CA 92019

[View on Map >](#)

Southwestern College

900 Otay Lakes Rd., Chula Vista, CA 91910

[View on Map >](#)

TRAFFIC CONTROL POINTS

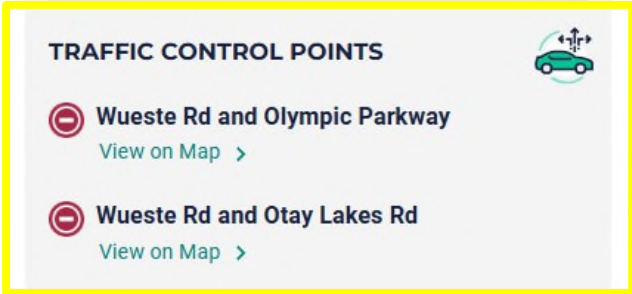
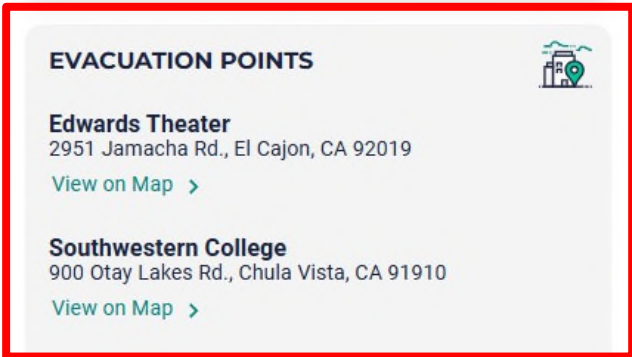
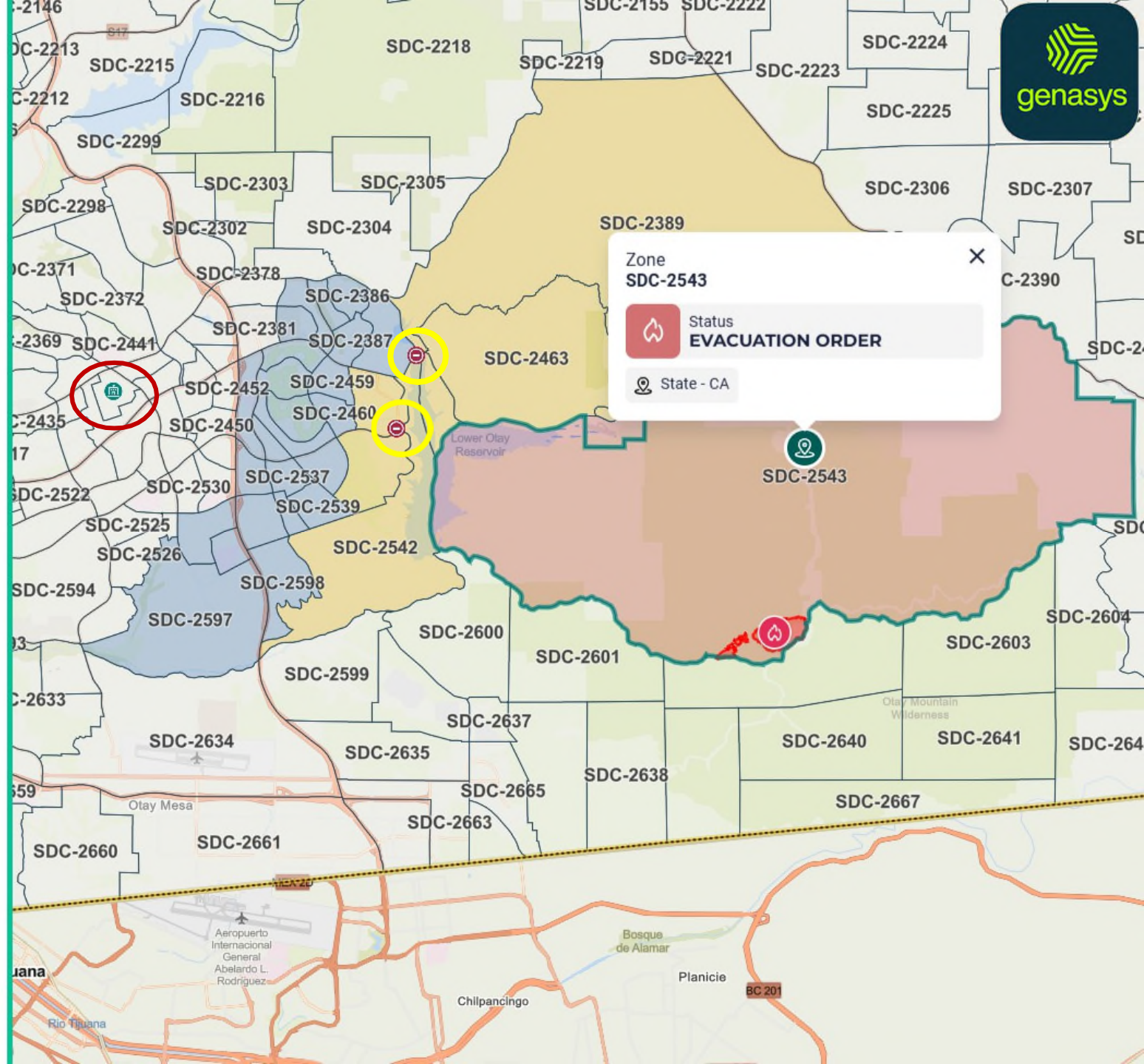


Wueste Rd and Olympic Parkway

[View on Map >](#)

Wueste Rd and Otay Lakes Rd

[View on Map >](#)





BELL 205 A1++



NUMBER IN FLEET
3 HELICOPTERS



SEATING
**1 DEPUTY PILOT
+5 CAL FIRE FIREFIGHTERS**



ENDURANCE
2 HOURS BEFORE REFUELING

This helicopter is used for initial attack fire missions. It is equipped with a 375-gallon belly tank that can drop water or a combination of water and foam. This aircraft is also used to transport firefighters to remote locations. Its rescue hoist can lift 600 pounds. A deputy flies the helicopter, while a fire captain operates the radio and other equipment. Firefighters operate the hoist and conduct the rescue. In 2005, two helicopters were purchased following the deadly 2003 wildfires. A third aircraft was added to the fire helicopter program in 2015.



BELL 412 EPX



NUMBER IN FLEET
1 HELICOPTER



SEATING
**1 DEPUTY PILOT
+7 CAL FIRE FIREFIGHTERS**



ENDURANCE
3 HOURS BEFORE REFUELING

The 412 is the newest helicopter in our fleet to begin the phase out of the Bell 205s. Its twin-engine feature will enable a pilot to land safely with a backup engine. This is a key safety feature needed to fight fires at night. The 412 is designed to operate in challenging conditions typically encountered during firefighting missions.

Repopulation

REPOPULATION PLAN

San Diego Operational Area



Version 2 (12/2022)

Block 15	Repopulation Checklist	Authorizing Name-Date-Time
<input type="checkbox"/>	Fire or emergency threat mitigated	
<input type="checkbox"/>	Utilities secured <input type="checkbox"/> Gas <input type="checkbox"/> Electric <input type="checkbox"/> Communication <input type="checkbox"/> Water	
<input type="checkbox"/>	Infrastructure hazards mitigated (roads, bridges, etc.) <input type="checkbox"/> Public Works <input type="checkbox"/> Caltrans	
<input type="checkbox"/>	Law Enforcement approval <input type="checkbox"/> Sheriff <input type="checkbox"/> Local PD <input type="checkbox"/> CHP	
<input type="checkbox"/>	Other	
<input type="checkbox"/>	Incident Commander Approval	
<input type="checkbox"/>	Fire Agencies notified <input type="checkbox"/> CAL FIRE <input type="checkbox"/> USFS <input type="checkbox"/> Fire District/Department	
<input type="checkbox"/>	American Red Cross Notified	
<input type="checkbox"/>	Emergency Operations Center(s) notified	
<input type="checkbox"/>	Incident Information Officer notified	
<input type="checkbox"/>	Incident Liaison Officer notified	

Repopulation

genasys Protect
ZONENAVEN AWARE

[Back](#)

Zone
SDC-0289

Status
NORMAL

REASON
Evacuation orders and warnings have all been lifted.

No current knowledge of active incidents in your area.

CRITICAL NOTIFICATIONS

Never miss an alert, and receive critical notifications on the go with the Genasys Protect mobile app

[Download app now](#)

ZONE INFORMATION

NORTH OF West Lilac Road
SOUTH OF Mountain Vista Road, Sd Aqueduct Service Road (Private)
EAST OF Leprechaun Lane, Mountain View Road, West Lilac Road
WEST OF Avocado Highway

57.2°F
Clear, Sunny

Zone
SDC-0289

Status
NORMAL

State - CA

The main map displays a grid of fire zones labeled SDC-0184 through SDC-0381. A green outline highlights the boundaries of Zone SDC-0289. Major roads shown include CA 76, CA 78, CA 153, and US 395 HISTORIC. A location pin is placed on Zone SDC-0289, which is highlighted in a light green color.

Water Supply



NFPA STANDARDS

Water Supply -

- 1,500 GPM within the first 8 minutes of a fire response
- Residential areas: Minimum of 1,000 GPM for at least 2 hours.
- Commercial/Industrial: Can range from 1,500 to over 3,500 GPM depending on the building hazard level.

Del Mar Meets these Water Supply Standards



Vegetation Management



Overview

- Del Mar staff and the Fire Department have met with City of San Diego staff about brush management in Crest Canyon.
- City of San Diego's Parks & Recreation Department oversees brush management for 925 acres of open space.
- The City has identified 11 priority areas; the Del Mar Heights area includes Crest Canyon.
- Priority areas are worked on in 22-month cycles; work in the Del Mar Heights area took place from August 2024 – January 2025.
- Brush management activities are performed by City crews and contractors in the area 100 feet from a habitable structure (including ADUs), not a property line.

Vegetation Management



How Brush Management Work Is Performed

- Biologists determine the areas requiring brush management through surveys, GPS, and GIS; work is done around nesting seasons.
- Progression of Brush Management:
 - Remove dead plants;
 - Remove non-native invasive species, non-natives, natives, then sensitive species;
 - Prune remaining plants; and
 - Dispose of mulch debris and trimmings.
- Work is verified by staff and biologists.

Vegetation Management



Chaparral Plant Before Pruning



Chaparral Plant After Pruning



Before Brush Management



San Diego Fire-Rescue Department requires 100 ft.
(measured horizontally out from the structure)

Zone 1 - 35'

Zone 2 - 65'

Undisturbed
Vegetation

After Thinning and Pruning

Vegetation Management

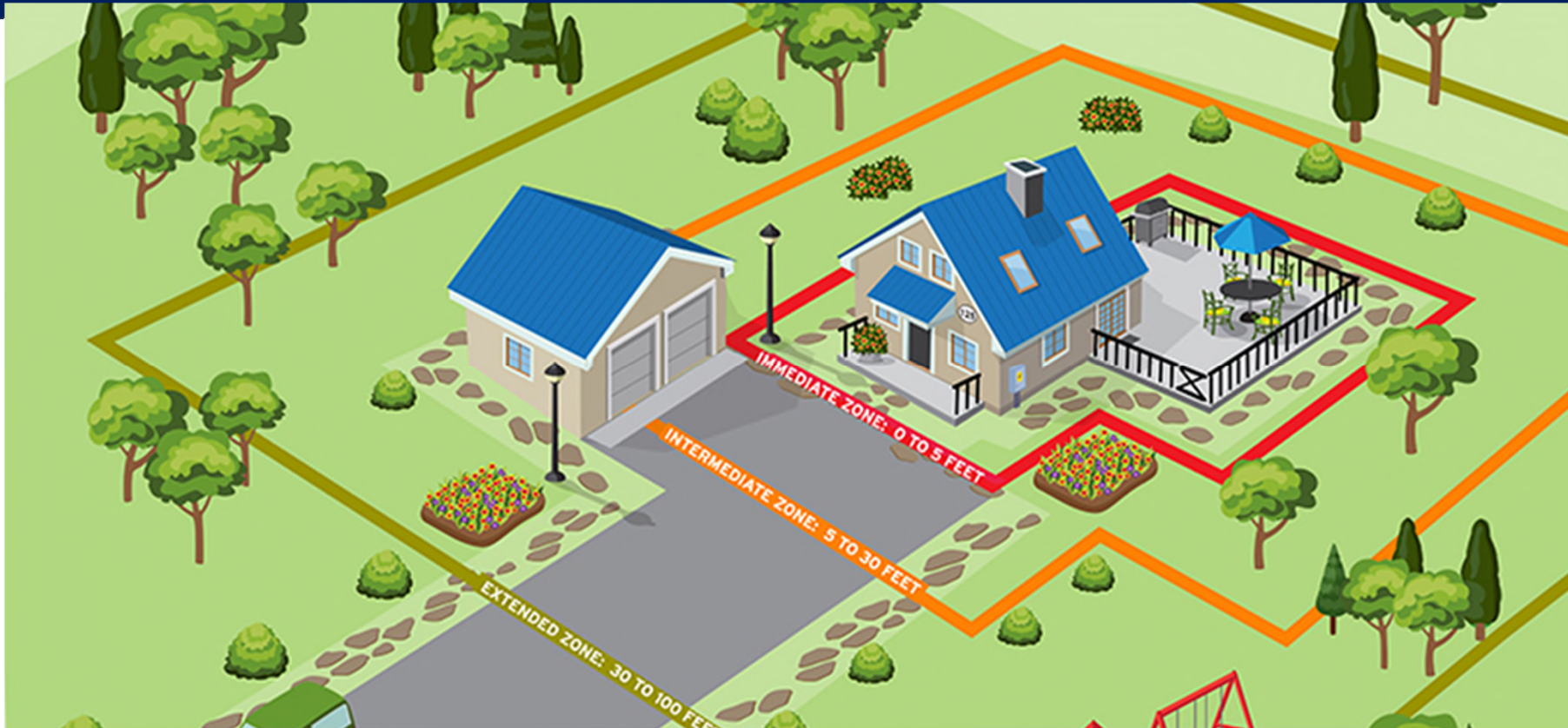
- Del Mar residents who live next to San Diego open spaces and would like to perform their own brush management activities can apply for right-of-entry permits at no charge.
- Tickets can also be submitted via San Diego's "Get It Done" app if people feel that an area needs attention.
- Before June 2025, San Diego anticipates the results of a citywide brush management audit.

Defensible Space

- Reduce flame length and keep flames from touching structures
- Reduce radiant heat that structures are exposed to
- Give firefighters the room to advance hose lines
- Provide a safe area for firefighters to defend structures



Defensible Space



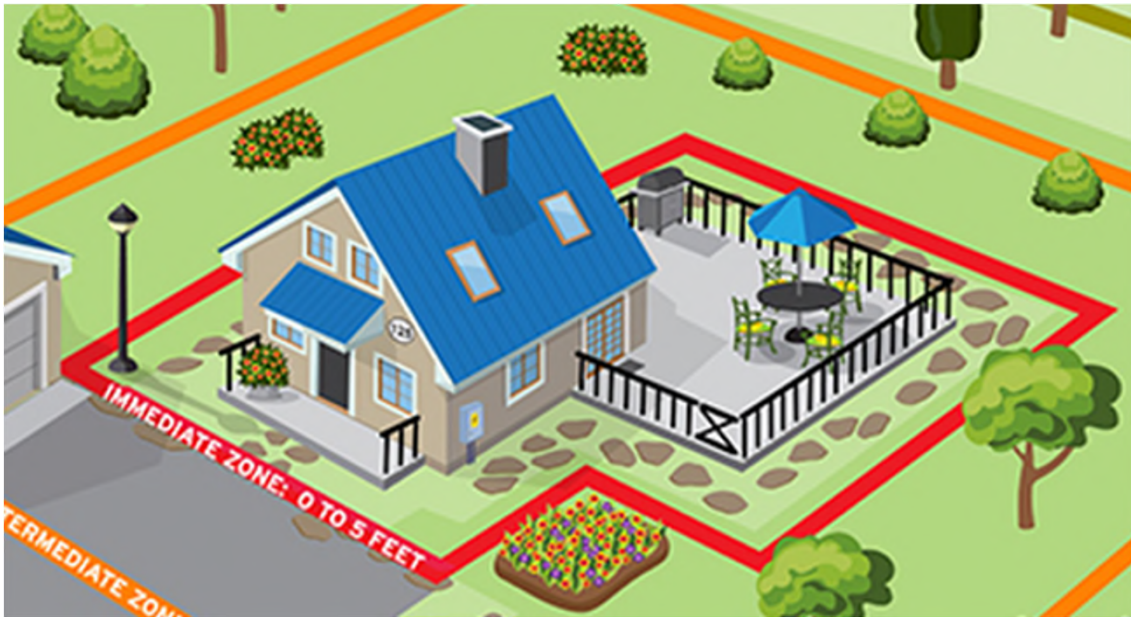
DEFENSIBLE SPACE ZONES

Immediate 0-5 feet

Intermediate 5-30 feet

Extended 30 up to 100 feet

Defensible Space



0 Feet –The Structure Itself

- **Non-Combustible Construction**
 - Stucco, brick, etc.
- **Attic Vents**
 - Ember-resistant
 - Mesh no larger than 1/8 inch
- **Large Surface Areas –Roofs, Decks**
- **Rain Gutters and Roof Valleys**
 - Clear out pine needles, leaves, etc.

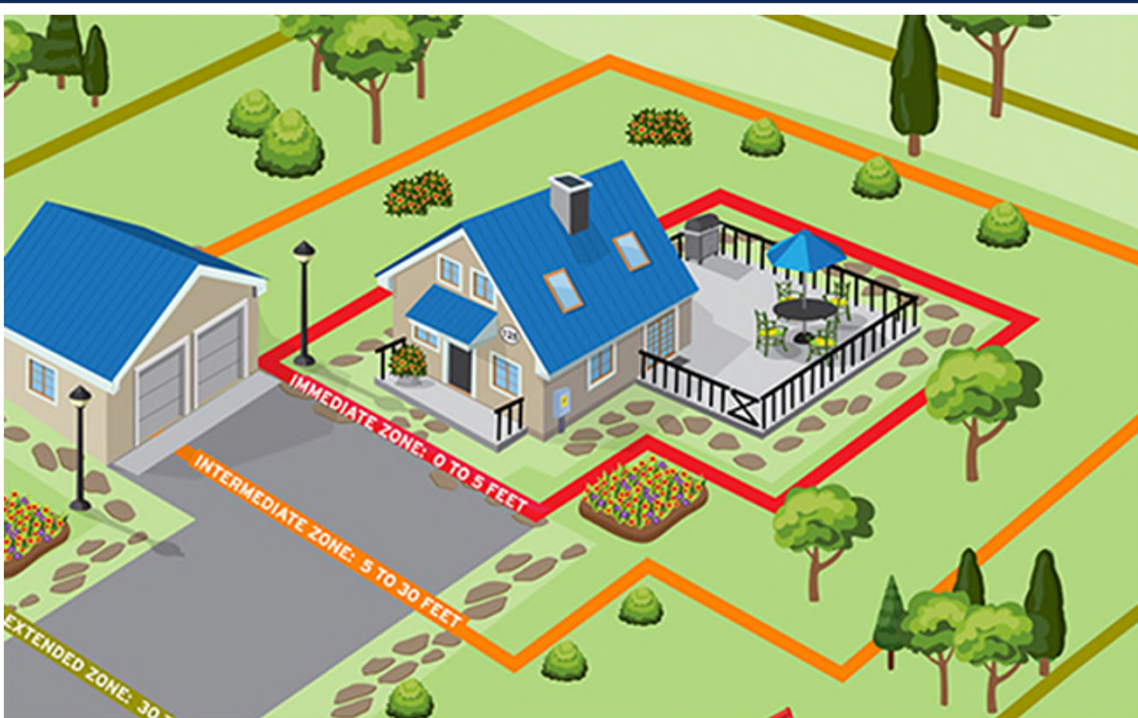
Within 5 Feet –Remove Flammable Items

- Wood Mulch
- Patio Furniture, Cushions
- Stacks of Firewood
- Storage Beneath Decks

DEFENSIBLE SPACE ZONES

Immediate 0-5 feet

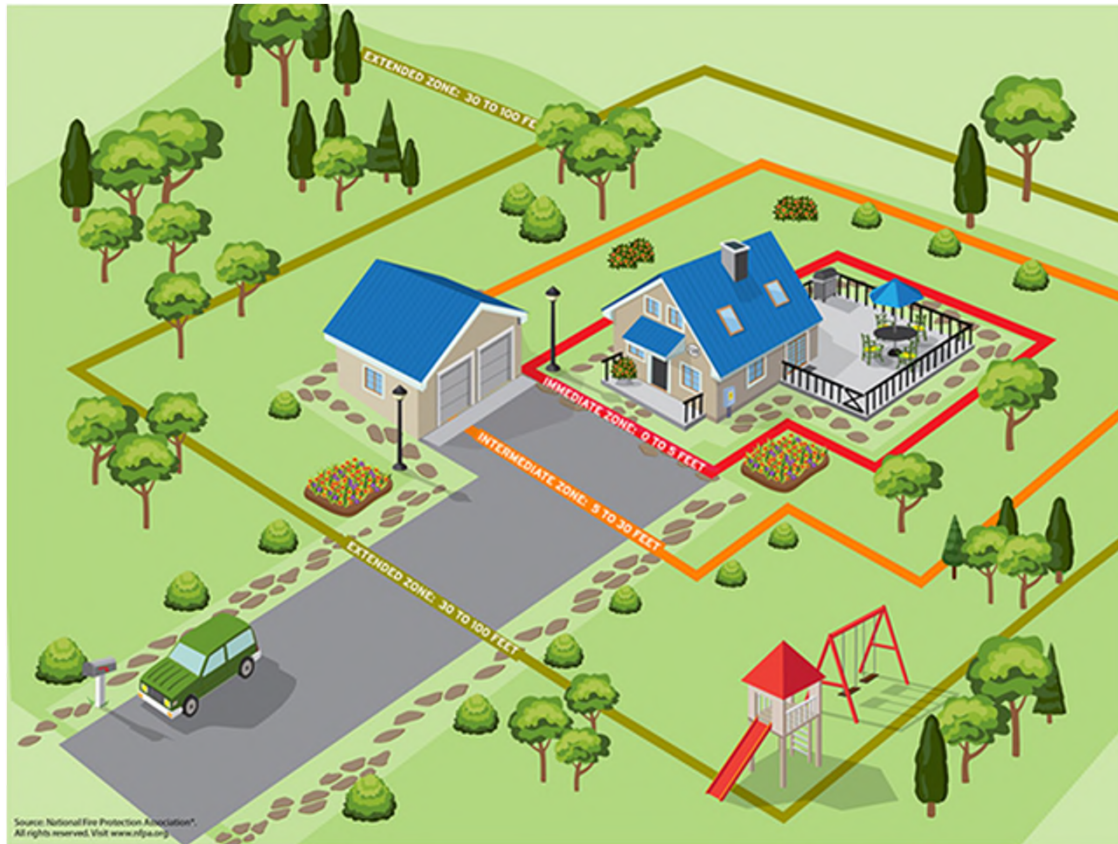
Defensible Space



- Irrigated area
- Keep area around solar panels or propane tanks clear
- Provide clear driveway access
- Maintain trees 10 feet away from the chimney
- Prune trees 6 feet from ground
- Remove combustible vegetation next to roadways and driveways
- Trim branches to meet a vertical clearance of
 - 13 feet 6 inches

DEFENSIBLE SPACE ZONES
Intermediate 5-30 feet

Defensible Space



- Up to 100 feet
- Not every property has 100 feet
- Importance of the 0-5 zone!
- Importance of the 5-30 foot area

DEFENSIBLE SPACE ZONES
Extended 30 up to 100 feet

DEFENSIBLE SPACE

The Three R's



Remove

- ✦ Eliminate non-fire resistive plants
- ✦ Remove all dead or dying vegetation
- ✦ Cut or remove vegetation that touches structures



Reduce

- ✦ Thin out and prune trees
- ✦ Reduce amount of grouped trees
- ✦ Eliminate the "ladder" effect



Replace

- ✦ Replace with drought-tolerant
- ✦ Replace with fire-resistive
- ✦ Ground cover, low growing shrubs



THANK YOU!