

ENCINITAS SOLANA BEACH DEL MAR FIRE DEPARTMENTS

Message From the Fire Chief



MICHAEL STEIN, FIRE CHIEF

"The strength of the team is each individual member. The strength of each member is the team."

-Phil Jackson

On behalf of the dedicated men and women of the Cities of Del Mar, Encinitas, and Solana Beach Fire Departments, it is my pleasure to share our 2020 Annual Report with you. The following report is a summary of the activities and achievements of our personnel and our organization.

2020 was a challenging year for all. Our dedicated workforce did not have the option of staying or working from home. We asked a lot from our employees this year. Each and every member rose to the challenge so that we could continue to provide excellent service to our communities; while maintaining a healthy, safe, and clean working environment. Although we had to pivot many times in 2020 due to the COVID-19 pandemic, this organization was professional, resilient, and dedicated to completing our mission.

The accomplishments achieved in 2020 were made by very capable people. It starts with the leadership and confidence of our city councils and city managers, who lead with optimism. The Fire Department also leads with optimism. Optimism is contagious; so is pessimism. This organization chooses optimism. This optimism flourishes throughout our workforce and creates a positive can-do attitude which is directly responsible for all our accomplishments.

In 2020, we placed a new fire engine in service at ENC Fire Station #3. We created a Fire Safe Council in the community of Olivenhain. We hired a regional emergency planner for all three cities who will help update all our emergency plans. The Fire Department received the 2020 American Heart Association Mission Lifeline Award which recognizes organizations across the nation for excellent heart-health care. We organized our first-ever Fire Prevention Week drive-through event at the Del Mar Fairgrounds. Our emergency operations center was open for over 100 days due to the COVID-19 pandemic. We handed out over 20,000 face masks to our beach visitors in Encinitas.

All these accomplishments and more were done for one simple reason – to improve our service to our communities. Our organizational motto is "Committed to Excellence, Focused on Community." I firmly believe that we hit our mark in 2020.

Lastly, I want to take the time to properly recognize our members who deliver our stellar service every single day. From our lifeguards that protect our beaches, to our fire prevention staff that makes our communities a safer place to live and play, to our administrative staff that makes sure our organization is running efficiently and effectively, and to our firefighters that respond at a moment's notice in someone's time of need – THANK YOU!

Collectively, each person's commitment to this team effort and optimism made 2020 a successful year.

At Your Service,

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Michael Stein Fire Chief

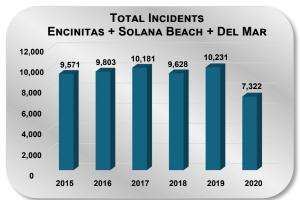


TABLE OF CONTENTS

Vision, Mission, and Values	4
Combined Jurisdiction Profile	5
Organization Chart	6
Encinitas Snapshot	7
Solana Beach Snapshot	8
Del Mar Snapshot	9
Operations	10
Training/Safety	12
Marine Safety	14
EMS	16
Fire Prevention	17
Fire Administration	
Emergency Preparedness	21
Emergency Operations Center	22
Mutual Aid	23
2020 Highlights	24
Мар	25



MISSION, VISION, AND VALUES

MISSION STATEMENT

"Proudly committed to providing the highest level of service to our communities and the people we serve, by protecting life, property and the environment."

VALUE STATEMENT

Compassion, Courage, and Commitment with P.R.I.D.E.

- Professionalism
- Respect
- Integrity
 - Dedication
- Excellence

VISION

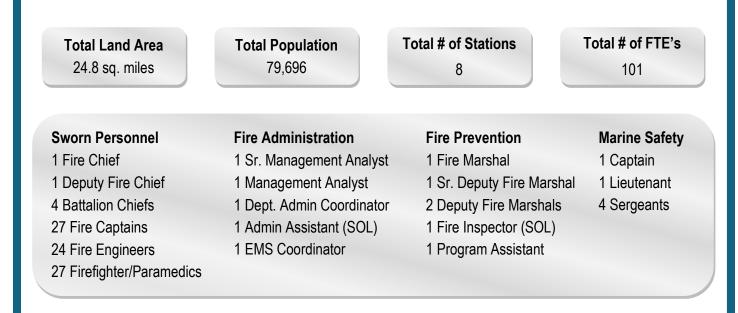
To preserve the trust of our citizens through professionalism, customer service, and a commitment to excellence, while being responsive to the changing needs of our communities.

FIRE



"Committed to Excellence, Focused on Community"

Encinitas, Solana Beach, & Del Mar By The Numbers



INCIDENT STATS

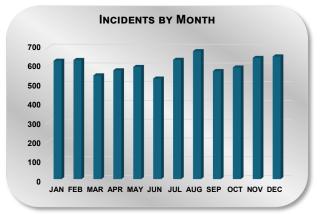


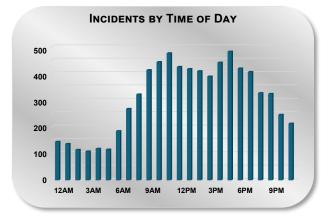
 Auto Aid Received Incidents
 213

 Auto Aid Given Incidents
 856

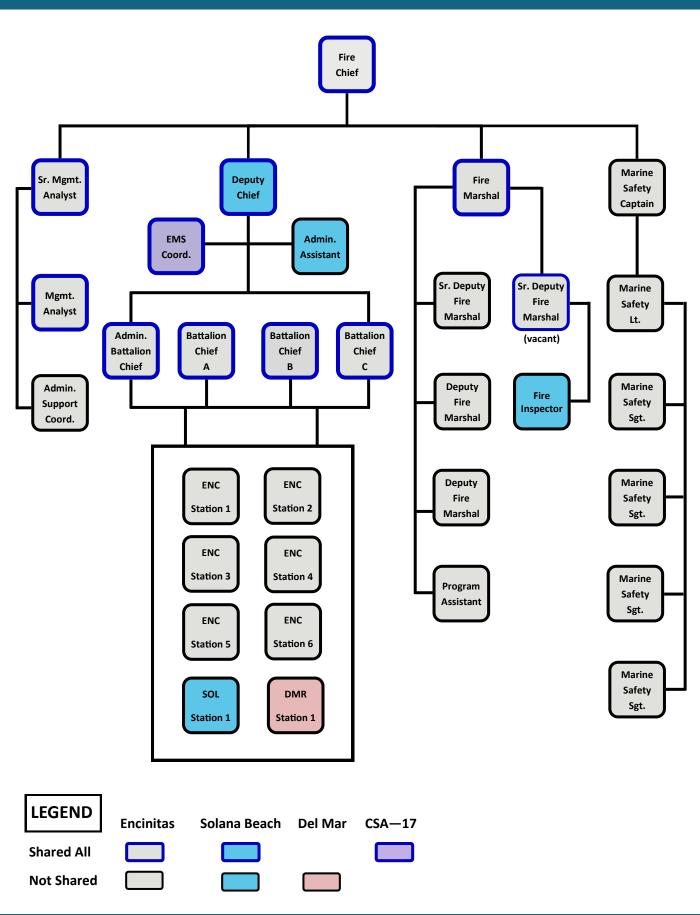
Average Response Time——4 min 59 sec (turnout + drive time)

Training Hours Logged (2020) ----- 26,850

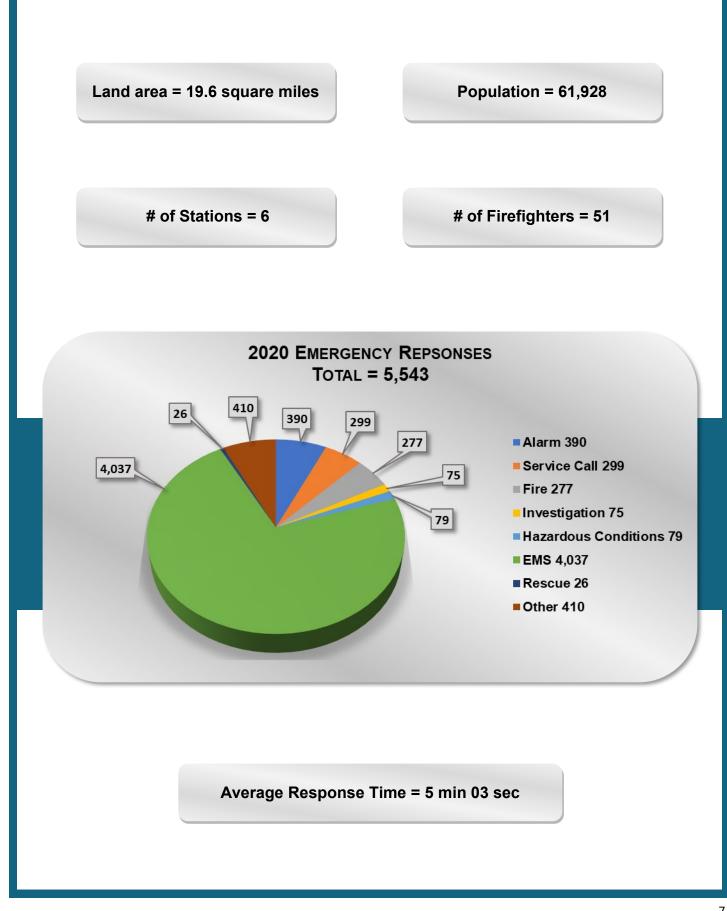




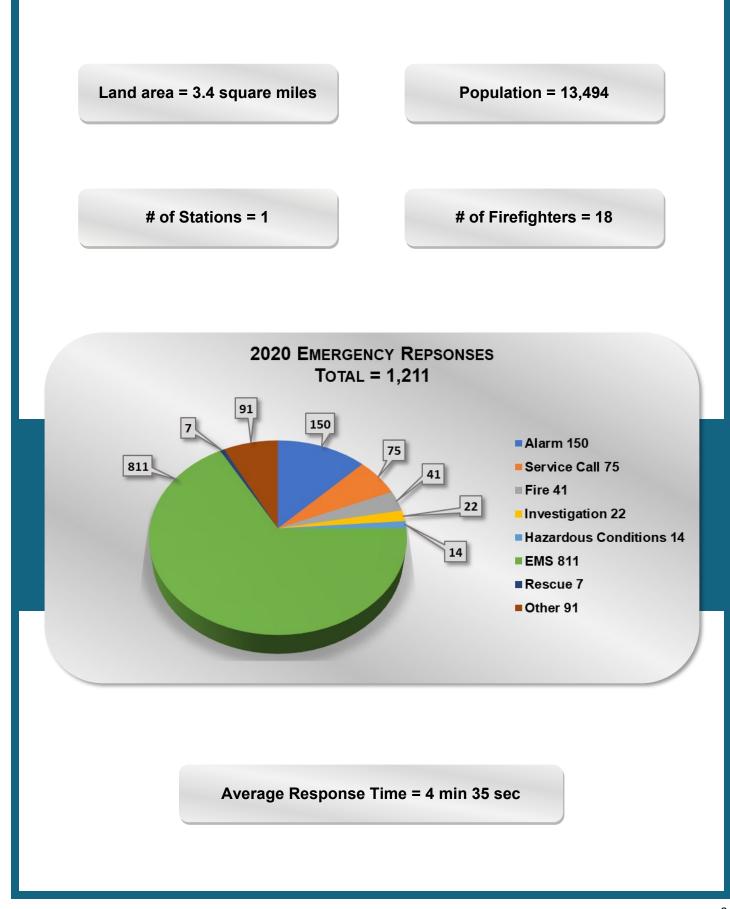
FIRE DEPARTMENT ORGANIZATIONAL CHART



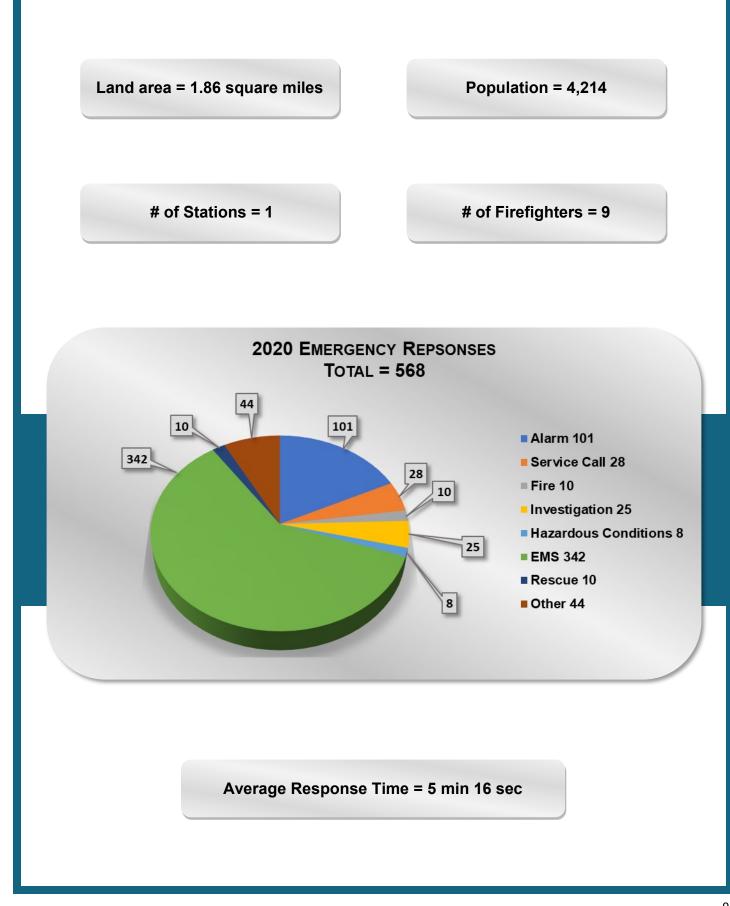
ENCINITAS SNAPSHOT



SOLANA BEACH SNAPSHOT



DEL MAR SNAPSHOT



OPERATIONS

Our service area is covered by 8 fire stations strategically located throughout our 3 cities to provide "round-the-clock" coverage to our communities. 6 stations are located in Encinitas. The Cities of Solana Beach and Del Mar each have 1 station. These fire stations house the departments' 81 fire suppression personnel (including Battalion Chiefs), 6 type-1 structural firefighting engines, 4 reserve engines, 2 truck companies, 2 type-3 brush engines and 1 type-6 fire engine. Our paramedic ambulance provider, AMR, also houses 3 ambulances in our fire stations.

As an all-risk department, our firefighters are trained to respond to fires (both structural and wildland), medical aids, vehicle accidents, hazardous materials incidents, confined





trench rescues, weapons of mass destruction incidents, swift water rescues, and many other When emergencies. not responding to emergencies, firefighters perform a variety of such as conducting activities fire safetv inspections of local businesses, inspecting and maintaining fire hydrants, training, pre-fire planning, maintaining equipment and stations, and providing safety classes and station tours for the public.

The Operations Division is overseen by Deputy Chief Robbie Ford. There are three different shifts (A, B, and C Shifts) of firefighters that staff each fire station in order to provide 24-hour service to our communities. Personnel assigned to Operations work a 56-hour work week on average. Each fire company (apparatus) is staffed with 3 firefighters. This includes a company

space

and

officer (Fire Captain), the driver/ operator of the apparatus (Engineer) and а Firefighter/ Paramedic. The exception is Encinitas Fire Station 6, which consists of a Fire Captain and Firefighter/Paramedic . Firefighters report to a Fire Battalion Chief that oversees the departments' daily operations of 8 fire stations and 9 companies.



OPERATIONS

New Engine at Fire Station 3

In 2020, a new fire engine, E233, was placed into service at Fire Station 3 in Leucadia. All of the Fire Department's fire engines are Triple Combination apparatus, meaning they can pump water, carry hose, and have a water tank. The Encinitas Fire Department recently purchased a state-of-the-art Pierce triple combination pumper to serve the citizens of Leucadia.

This pumper has built-in clean cab technology. In an effort to keep our firefighters safe and healthy, this new pumper does not have in-cab storage of breathing apparatus or fire fighting protective clothing. This will provide a carcinogen-free cab for our firefighters to ride in. Additionally, all surfaces are easy to clean and disinfect, which is very important during an on-going pandemic. Like all new Encinitas fire engines, E233 has a 2010 EPA compliant engine known as the Detroit Diesel DD13 (only available through Pierce). It is a reliable, efficient engine that provides 5% better fuel economy with almost no harmful emissions. Exhaust gasses are treated with Diesel Exhaust Fluid. A reaction occurs converting exhaust gasses into nitrogen and water which are released into the environment. These two elements are naturally occurring and safe to breath. Essentially, this engine has the same or less dangerous emissions than a hybrid vehicle.

The Tak-4 front end is an independent torsion bar front suspension. It provides a smooth ride which equals less wear and tear on the suspension (important in our hilly city), shortens braking distance by 23%, and improves ride quality by 340%. It also provides for a better turning radius (very important in Encinitas). All of this combined makes for a safer vehicle and superior handling.



TRAINING AND SAFETY

The Training Division provides firefighters with continuous operational training on an annual basis. Firefighters receive a variety of general training courses including firefighting, emergency medical services, apparatus driver training, hazardous materials, rescue, collapse, and operational readiness. All new hires must complete a three week firefighter academy. This physically and mentally intense program consists of approximately 120 hours of training. Candidates who complete the academy will earn the right to staff our fire apparatus and work through their one year probationary period. During their one year probationary period, probationary firefighters must complete their probationary task book and several paramedic and firefighting tests. Those who can meet the challenge and complete probation become permanent employees of our fire departments.







The Training Division must continually research and evaluate trends and developments related to firefighting, communications, dispatching, apparatus, equipment, and information systems. The Training Division is an active member of the regional training section known as the North Zone Fire Training Chiefs. The North Zone Training Chiefs produce training events for all of the 15 city fire departments in North San Diego County. These training events include, but are not limited to, high angle recue, hazardous materials, palm tree rescue, swift water rescue, wildland firefighting, and fire ground skills.

TRAINING AND SAFETY

2020 Training Division Accomplishments

- Purchase of a new forcible entry prop
- Air ambulance training
- Wildland hand tool maintenance
- Quarterly Blue Card incident command training
- Engineers promotional test
- Annual Wildland RT 130 training to prepare our folks for the upcoming wildland season
- Live fire training at Camp Pendleton Fire School
- Cancer awareness safety standdown
- Received and trained on new Vortex high angle rescue device
- Annual SDGE training on San Diego County evacuation process

- Battalion Chiefs test
- Fire Engineers test
- Annual Captains training
- North Zone Technical Rescue drill
- Training of all personnel on the new E233 (Leucadia)
- Received and trained all personnel
 on our new forcible entry prop
- North Zone Confined Space drill
- Captains Promotional Academy
- Annual pump test on all apparatus
- Walk-through of the Encinitas Beach Resort
- One new hire Encinitas
- One new hire Solana Beach
- One new hire Del Mar
- 2 new hire academies

Multi-Company Drills in 2020

- High Angle Rescue Drill
- Confined Space Drill
- Fire School Camp Pendleton (wildland)

2020 Training Hours

Encinitas	=	17,783 hrs
Solana Beach	=	5,506 hrs
Del Mar	=	3,561 hrs
Total	=	26,850 hrs

MARINE SAFETY

The Marine Safety Division provides public safety services for the 3.5 miles of coastline in Encinitas from Swamis to South Ponto. Lifeguards also provide mutual aid to neighboring beaches and cities during large scale incidents. In 2020, the Marine Safety Division included 1 Captain, 1 Lieutenant, 4 Sergeants, over 60 seasonal lifeguards and assistants. Marine Safety services included rescues (open water/surf, swiftwater/flood, under-water, and cliff), medical aids, mitigation of safety hazards on the beach, and providing proactive measures and safety information to the public.



New Hire Academies

The Marine Safety Division completed its first Ocean Lifeguard Academy in early 2020 and began the second Academy in November of 2020. This highly successful addition to the division has allowed for ample staffing levels throughout the year, particularly leading into the summer high season.

Dive Team

This past year, 13 Marine Safety Dive Team members received their Public certification. Divers Safety Diver completed three courses of training that included dives in 80+ feet of depth, rescue techniques, and search and recovery techniques. Members trained in the ocean and inland reservoirs. As certified Public Safety Divers, the Marine Safety Dive Team will be more effective during future dive responses throughout the region.



MARINE SAFETY



Swiftwater/Flooding Calls

On April 10th. the Encinitas Lifequards/Fire Swiftwater Flood Rescue Team (SFRT) responded to 15 separate incidents in Encinitas and surrounding areas. Encinitas, Cal-Fire and Del Mar Swiftwater teams combined their resources on various calls resulting in the extrication of 13 people and 4 dogs

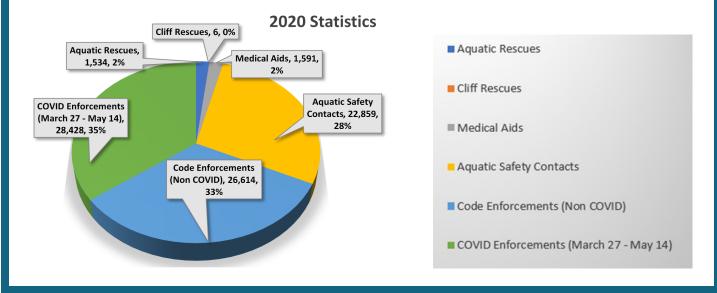
from flooded roadways and canyon areas. The Encinitas Swiftwater team again combined efforts with the Fire and Public Works Departments in response to 9 flooding incidents in and onto private residences and properties.

COVID-19 Response

In a collaborative effort, the Marine Safety Division worked with other city departments, under the Fire Department's command, in the Emergency Operations Center to ensure a proper and robust response to the outbreak of COVID-19.



Lifeguards performed over 28,000 COVID-19 closure/access/social distancing contacts and enforcements, assisted with the setup and breakdown of barricades at accesses and parking lots, established and maintained signage at each public access, and worked with the City Council to setup booths and distribute thousands of masks to the public. The Marine Safety Division's efforts allowed citizens to safely enjoy the city's most valuable resource, its coastline.



EMS

The EMS Division delivers state of the art pre-hospital medical care to our residents and visitors in their time of critical need. This includes rapid response to the emergency, assessing



the sick and injured, and providing rapid care and stabilization for transport to an emergency care facility.

Each firefighting team is staffed with at least one paramedic. These trained and licensed paramedics carry a multitude of medications and treatment modalities that literally bring emergency room care to the patient's living room.

Our EMS system is part of County Service Area 17 (CSA-17). CSA-17 consists of:

- Del Mar
- Del Mar Heights
- Solana Beach
- Encinitas
- Rancho Santa Fe
- Portions of Elfin Forest

Ambulance service is provided through American Medical Response (AMR). AMR ambulances are stationed at Solana Beach Station 1, Encinitas Station 2 and Encinitas Station 5.





In 2020, the Encinitas Fire Department was awarded the American Heart Association Mission: Lifeline EMS Recognition Award. The Mission: Lifeline EMS recognition program celebrates the achievement of the pre-hospital providers and their collaboration with each other and destination hospitals specific to heart patient care.

The goal of the Fire Prevention Division is to reduce fire and life safety risks to our community and firefighters. Fire Prevention manages several programs: annual business inspections; weed abatement; hazardous materials storage, use, and disposal; facility improvements and planning; construction and fire protection system plan checks and inspections; and fire investigations.

MAJOR ACCOMPLISHMENTS 2020

Programs

Encinitas Fire Prevention began processing all permits such as sprinkler permits, building permits, tent permits, and use permits electronically through the EnerGov system. This paperless system will increase efficiency and reduce waste.

The Fire Prevention Division implemented a business selfinspection program for all three cities due to COVID-19 restrictions.

Vegetation Management

- Proactive approach
 - ◊ Website and Social Media
 - ◊ Plan review
 - ◊ Perform safety assessments
 - * Home Owners Associations
 - * County Parks San Elijo Lagoon, Escondido Creek Preserve, Crest Canyon
- Inspections and Enforcement
 - ◊ Complaints and Violations
 - * Attained 100% owner compliance in our vegetation inspection programs in Solana Beach and Del Mar. Encinitas had 4 properties that required additional abatement.





Directions: Walk through your business and mark OK, NO, or N/A (Not Applicable) for each inspection iten All items marked NO are required to be corrected/repaired by business/property owner. Please email completed form to <u>selfinspectionfire@encinitasca.gov</u>.

Encinitas Fire Department

Self-Inspection Checklist

BUS	INES	SINFO	DRMATION		
Busin	iess N	ame		Business Phone	
Busin	Business Address Business License #				
Contact Name Contact Phone					
OK	NO	N/A	FIRE INSPECTION CHECKLIST		
			ACCESS	CODE SECTION	
0	0		Address numbers and suite numbers shall be pl	2019 CFC Sec 505.1	
0	0	0	Designated Fire Lanes & Red curbs shall be lab	2019 CFC Sec 503.3/504.3	
0	0	0	Access to fire protection equipment, hose conne	2019 CFC Sec 912.4	
			EXITS		
0	0		Exit doors shall not be obstructed or blocked in a	2019 CFC Sec 1031	
0	0	0	Emergency exit lighting shall be maintained.	2019 CFC Sec 1008	
0	0	0	The maximum occupant load sign shall be poste	2019 CFC Sec 1004.9	
			ELECTRICAL		
0	0		Extension cords shall not be used for permanen	2019 CFC Sec 604.5	
0	0		Multi plug adapters shall be surge protected.	2019 CFC Sec 604.4	
0	0		Electrical outlets shall have a cover plate.	2019 CFC Sec 604.6	
			FIRE PROTECTION SYSTEMS		
0	0	0	Fire Sprinkler Systems are serviced and have co	ertification. DATE OF SERVICE:	2019 CFC Sec 901.6
0	0	0	Kitchen hood system cleaned and serviced with	in the past 6 Months. DATE OF SVC:	2019 CFC Sec 607.3.3.1
0	0	0	Fire Alarm Systems shall be tested every 12 Mo	nths. DATE OF SERVICE:	2019 CFC Sec 907.8
0	0		A 2A10BC Fire Extinguisher is accessible every	75 feet.	2019 CFC Sec 906.9

MAJOR ACCOMPLISHMENTS 2020

Succession Planning

We continue with our succession planning having filled two Encinitas Fire Prevention positions. Fire Prevention staff has also attended numerous training courses this year.

Public Education

- Wildfire Community Preparedness through a virtual Firewise public workshop with Olivenhain Municipal Water District.
- Creation of two fire safety videos: "Candle Safety" and "Space Heater Safety".
- Updated websites with new safety information and internet links.
- Participated in the development of a county-wide Wildfire PSA video series.
- National Fire Prevention Week Open House

Firewise Landscaping

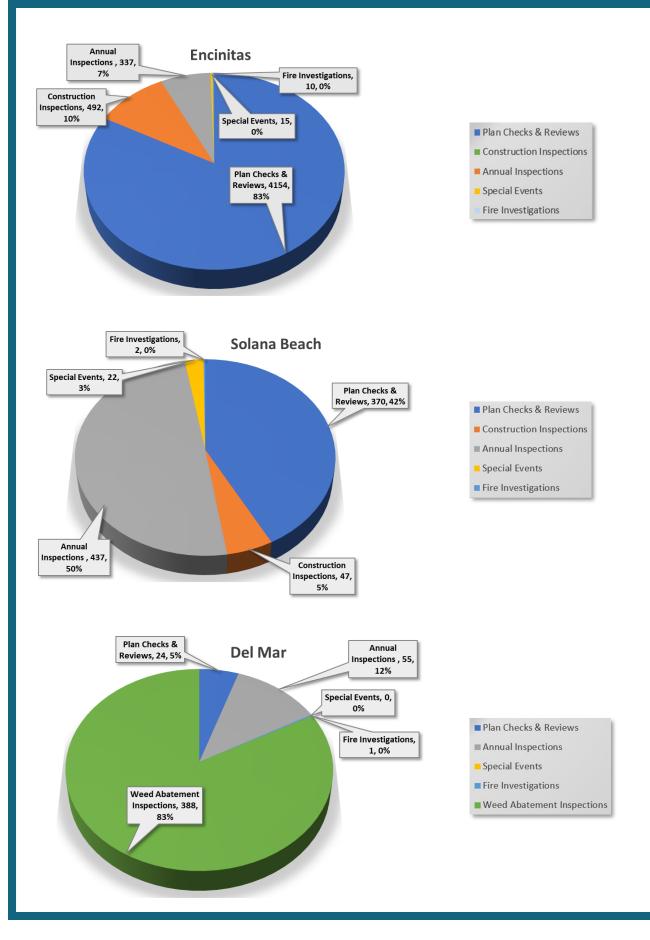
Hosted by:

Olivenhain Municipal Water District

Encinitas Fire Department

Guest Speaker:

Greg Rubin, California's Own Native Landscape Design, Inc.





National Fire Prevention Week Open House

National Fire Prevention Week was celebrated with a multi-agency, drive-through Open House at the Del Mar Fairgrounds. Participating agencies included Encinitas, Solana Beach, Del Mar, and Rancho Santa Fe Fire Departments; Encinitas, Solana Beach, and Del Mar Lifeguards; the San Diego Burn Institute, SDG&E, AMR, TIP, and CERT members from Encinitas, Solana Beach and Del Mar.





In addition, live music was provided by students of The Rockademy. This was the first event of its kind and we are thankful to the Del Mar Fairgrounds Governing Board for use of the site. This was a great educational opportunity for all and we look forward to next year's event.



FIRE ADMINISTRATION

The Administrative Division is comprised of 6 full time employees: the Fire Chief, Deputy Fire Chief, Senior Management Analyst, Management Analyst, Administrative Support Coordinator, and Administrative Assistant (funded & located in Solana Beach). This Division provides management, direction, and administrative support for all 3 departments, conducts long-range planning, prepares the budget, provides fiscal analysis of departments' activities, and pursues grants to purchase needed equipment and fund educational programs. In addition, the Fire Administration Division is responsible for managing all 3 cities' emergency management/ disaster preparedness programs and conducting emergency planning. The Encinitas Lifeguard Captain also works in the administrative offices. In October 2009, the cities of Encinitas, Del Mar, and Solana Beach entered into a Cooperative Fire Management Services Agreement. Through this agreement, Encinitas and Solana Beach Fire Departments. Duties include: supervising fire suppression operations and emergency medical services by shift battalion chiefs; emergency management; fire prevention activities; purchasing of materials, supplies, and fire equipment; management of services contracts; and administrative functions.

EMERGENCY PREPAREDNESS

<u>EOC</u>

The Emergency Preparedness Division manages the implementation of the Emergency Operations Center (EOC), which is activated during a local emergency or natural disaster, and coordinates EOC training for all City staff.

<u>Drills</u>

The Division coordinates exercises such as the Great Shakeout (earthquake drill) and EOC exercises to ensure all City employees are knowledgeable of what actions to take in the event of an emergency.

Public Education

The division promotes emergency preparedness through social media platforms and provides several pages of information on the City's website to educate the public on how to prepare for emergencies.

The Community Emergency Response Team (CERT) Program

To prepare residents for a catastrophic disaster, the Fire Department started a CERT program in 2004. This program teaches citizens basic emergency skills and trains them to respond effectively to disasters as part of a team. The program includes special training for basic fire suppression and medical care. Volunteers also learn how to size-up search and rescue situations, such as a collapsed building, to determine whether it is safe to go in. The classes are taught by firefighters or by CERT volunteers certified to teach some of the course modules. At the end of the course, the students respond to a mock emergency to give them a chance to put their skills to good use.

EMERGENCY OPERATIONS CENTER

The City of Encinitas activated its Emergency Operations Center (EOC) on March 16, 2020 in response to the ongoing pandemic of the coronavirus 2019 disease (COVID-19) and was operational on-site for 99 days. The mission of the EOC is to respond to catastrophic events by providing centralized management of the City's emergency response personnel, resources, facilities, and mutual aid assistance given to the City. A proclamation was signed by all three cities and provided authority to address any and all impacts and conditions caused by COVID-19 and to obtain any and all assistance from local, county, state or federal agencies. Since June 23, 2020, the EOC has been remotely monitoring the pandemic and the continuous changes to the state and county's Public Health Orders. The Encinitas EOC also coordinated and shared information for the Cities of Del Mar and Solana Beach.

The following only scrapes the surface of the duties of the EOC during this pandemic:



- Determining trigger points that would signal the EOC to go into higher levels of activation
- Monitoring press briefings and disseminating information to elected officials and the community
- Tracking data to attempt to find hotspots, trends, and situational awareness
- Ensuring beach, park, and business closures due to public health orders
- Procuring personal protective equipment (PPE) and other COVID-19 supplies for the department and city employees
- Overseeing CERT activities
- Maintaining communications and liaison with the County EOC and regional agencies
- Determining policies and procedures to continue fire operations while adhering to county and state guidelines of social distancing and sanitation





The EOC did not only respond with duties related to the health and safety of employees this year, the EOC prepared and planned for possible civil unrest in the community as well as supported city functions during the April 2020 storms. The immensity of the April 10th storm involved flooding that exceeded the capacity of existing storm drains and roadways throughout the City of Encinitas with many homes and business impacted.

MUTUAL AID STRIKE TEAMS



2020 HIGHLIGHTS

New fire engine E233 placed in service Fire Prevention Week drivethrough Open House

CREATED Olivenhain Fire Safe Council

CREATED NEW BEACH SAFETY GUIDE Updated dispatch equipment at Fire Stations #4 & #5

EOC OPENED/ STAFFED FOR OVER 100 DAYS DUE TO COVID-19

20,000 face masks handed out on Encinitas Coastline CREATED GRANT FUNDED EMERGENCY PLANNER POSITION

RECEIVED THE 2020 AMERICAN HEART ASSOCIATION MISSION LIFELINE AWARD DIVE TEAM MEMBERS RECEIVED PUBLIC SAFETY DIVER CERTIFICATION

