



**ENCINITAS
SOLANA BEACH
DEL MAR
FIRE DEPARTMENTS**

2019 ANNUAL REPORT



MIKE STEIN, FIRE CHIEF

“Teamwork is the ability to work together toward a common vision. The ability to direct individual accomplishments toward organizational objectives. It is the fuel that allows common people to attain uncommon results.”

-Andrew Carnegie

MESSAGE FROM THE FIRE CHIEF

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 2019 Annual Report with you. The following report is a summary of the activities and achievements of our personnel and our organization as a whole. We have achieved many accomplishments in the last year and will highlight some of our future projects in this report.

The accomplishments achieved in 2019 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 2019, we placed into service a peak-hour, fast response vehicle pilot program with the goal of decreasing response times in the N. Leucadia/Saxony Canyon areas. We replaced our cardiac monitors on every unit and purchased new mechanical CPR devices which should help us improve our already great CPR survival rate. We purchased a new fire engine for Encinitas Fire Station #3. We signed a new contract with the County of San Diego that will bring more money into all three fire departments to benefit our communities. We also replaced all our thermal imaging units for all fire stations. This is a vital piece of equipment that helps locate downed civilians or firefighters. We started the process of conducting a standards of cover and risk assessment report which will be completed in 2020. We also developed and hosted an active shooter drill at the Del Mar Fairgrounds, where hundreds of firefighters and law enforcement personnel from the region attended.

All these improvements and more are 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 2019.

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 2019 a successful year.

At Your Service,

Mike Stein
Fire Chief

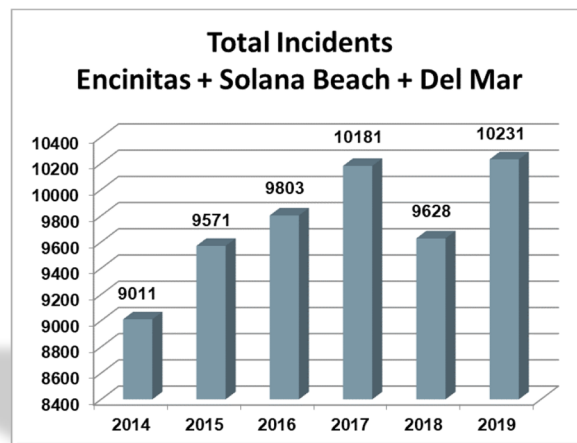


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MISSION, VISION, AND VALUES

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.

- **P**rofessionalism
- **R**espect
- **I**ntegrity
- **D**edication
- **E**xcellence

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.

MOTTO

“Committed to Excellence, Focused on Community”

ENCINITAS, SOLANA BEACH, & DEL MAR BY THE NUMBERS

Total Land Area
24.8 sq. miles

Total Population
79,696

Total # of Stations
8

Total # of FTE's
101

Sworn Personnel

1 Fire Chief
1 Deputy Fire Chief
4 Battalion Chiefs
27 Fire Captains
24 Fire Engineers
27 Firefighter/Paramedics

Fire Administration

1 Sr. Management Analyst
1 Management Analyst
1 Dept. Admin Coordinator
1 Admin Assistant (SOL)
1 EMS Coordinator

Fire Prevention

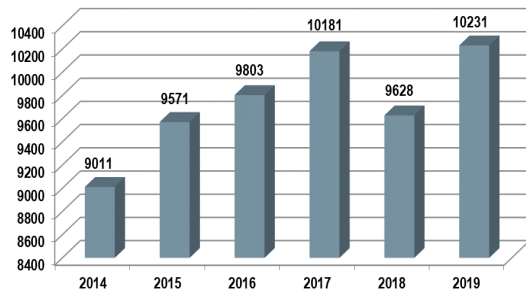
1 Fire Marshal
2 Sr. Deputy Fire Marshals
1 Deputy Fire Marshal
1 Fire Inspector (SOL)
1 Program Assistant

Marine Safety

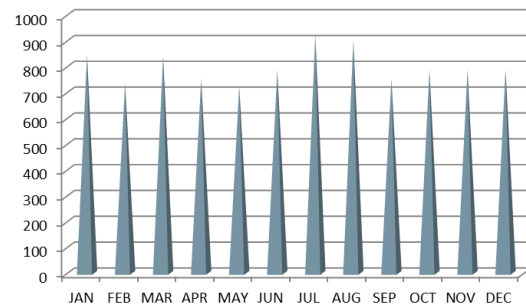
1 Captain
1 Lieutenant
4 Sergeants

INCIDENT STATS

Total Incidents
Encinitas + Solana Beach + Del Mar

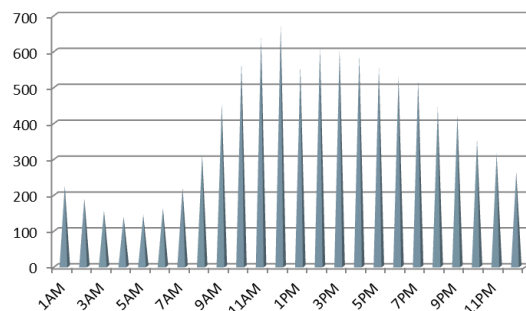


Incidents by Month

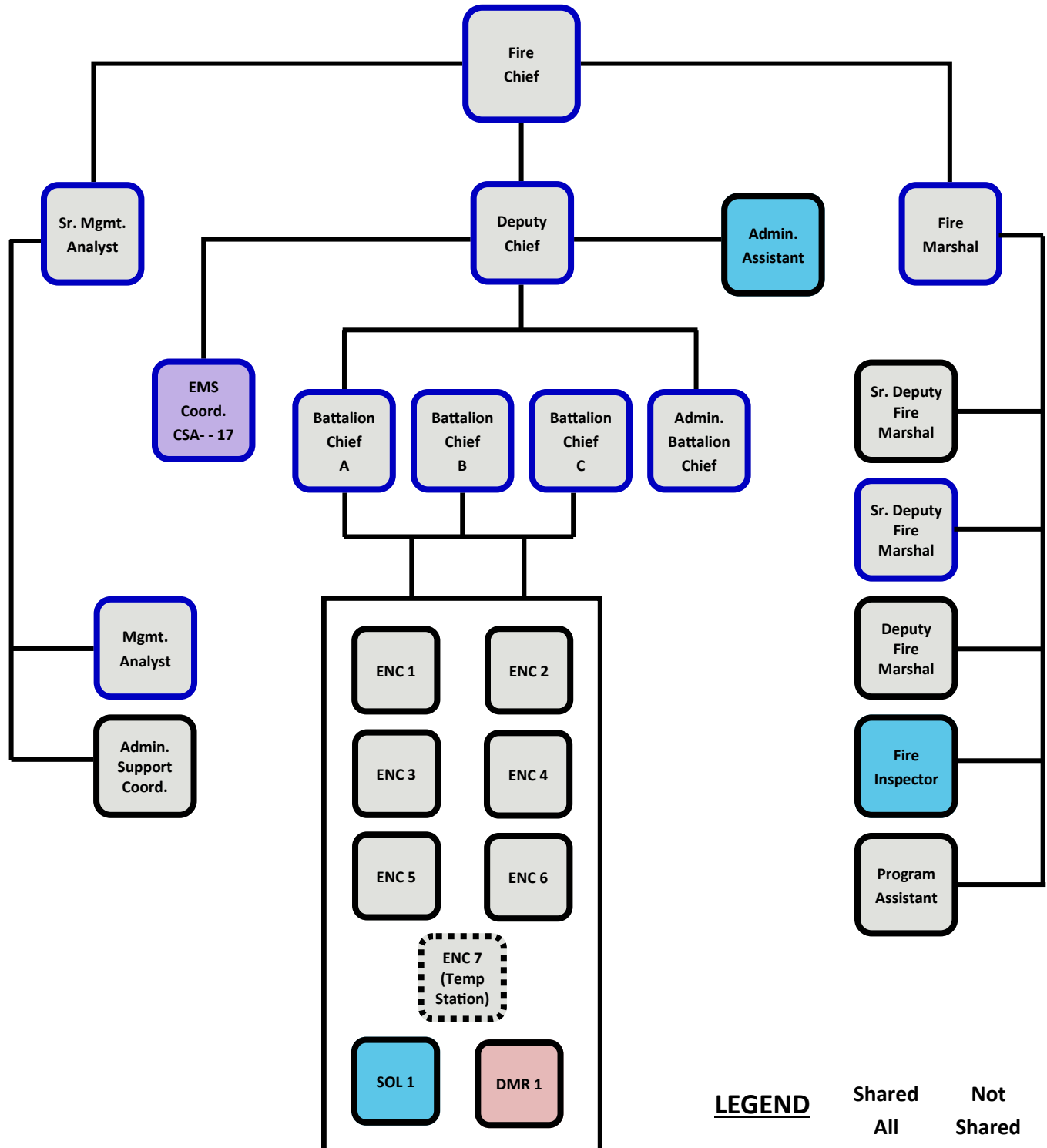


Auto Aid Received Incidents———4,052
Auto Aid Given Incidents———3,489
Average Response Time———5 min 38 sec
(turnout + drive time)
Training Hours Logged (2019)———28,324

Incidents by Time of Day



FIRE DEPARTMENT ORGANIZATIONAL CHART



LEGEND

	Shared All	Not Shared
Encinitas		
Solana Beach		
Del Mar		
CSA-17		

ENCINITAS SNAPSHOT

Land area = 19.6 square miles

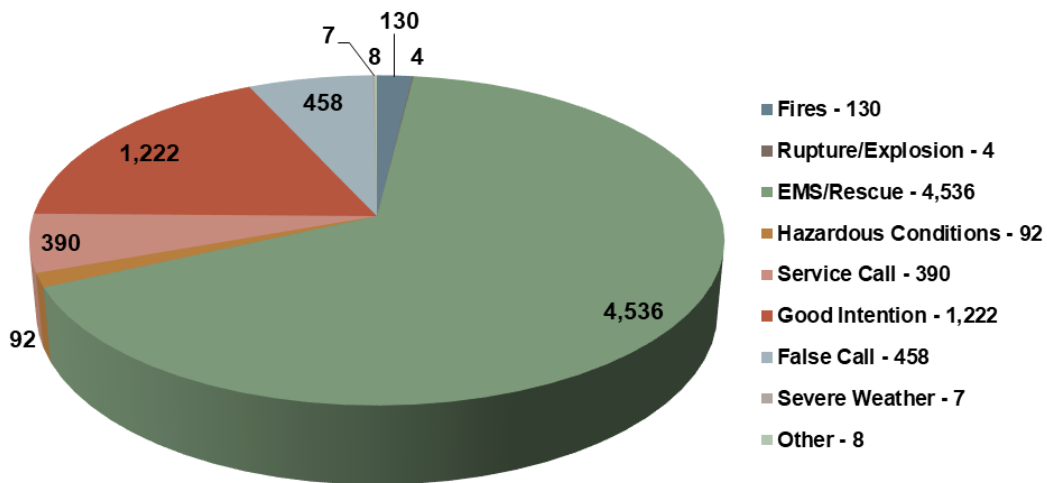
Population = 61,928

of Stations = 6

of Firefighters = 51

2019 EMERGENCY RESPONSES

TOTAL = 6,847



Average Response Time = 5 min 38 sec

Structure Value Loss = \$7,714,310

Structure Value Saved = \$18,264,000

SOLANA BEACH SNAPSHOT

Land area = 3.4 square miles

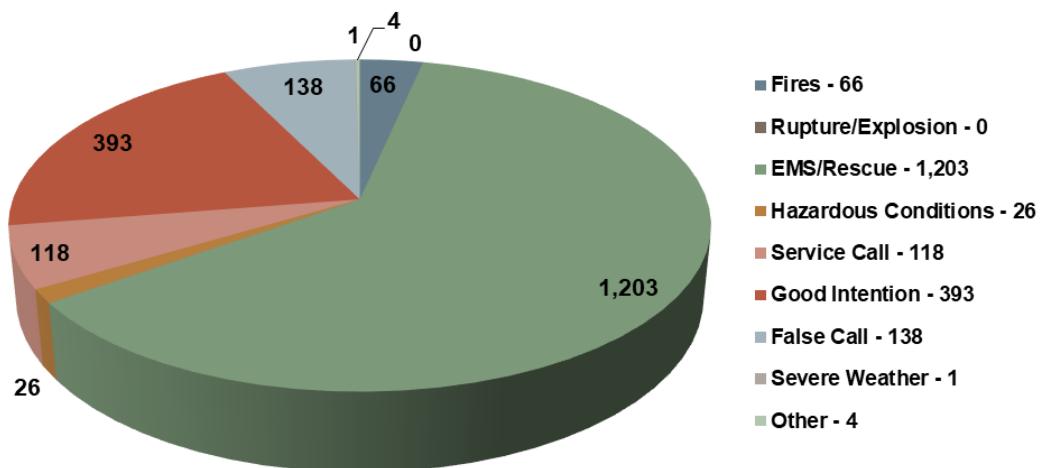
Population = 13,494

of Stations = 1

of Firefighters = 18

2019 EMERGENCY RESPONSES

TOTAL = 1,949



Average Response Time = 5 min 16 sec

Structure Value Loss = \$6,023,000

Structure Value Saved = \$7,125,000

DEL MAR SNAPSHOT

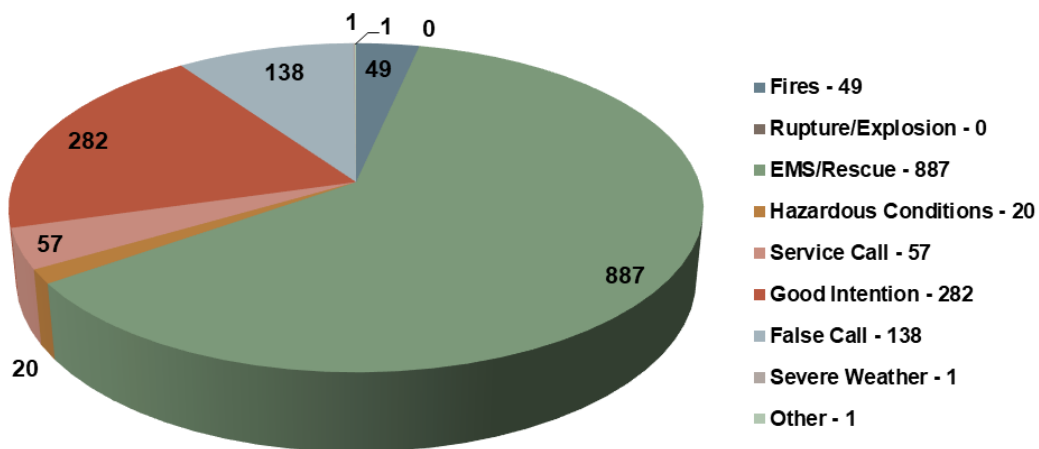
Land area = 1.8 square miles

Population = 4,214

of Stations = 1

of Firefighters = 9

2019 EMERGENCY RESPONSES TOTAL = 1,435



Average Response Time = 5 min 59 sec

Structure Value Loss = \$301,000

Structure Value Saved = \$4,100,000

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 space and trench rescues, weapons of mass destruction incidents, swift water rescues, and many other emergencies. When not responding to emergencies, firefighters perform a variety of activities such as conducting fire safety 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 officer (Fire Captain), the driver/operator of the apparatus (Engineer) and a 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.

TRAINING AND SAFETY

The purpose of our Training Division is to provide a reliable, up-to-date source of educational and practical information to both our personnel as well as the public. The Training Division is responsible for:

- Monitoring the various statutes and regulations that influence mandatory training.
- Develop a yearly training schedule.
- Work with EMS to provide all required EMS training
- Providing federal, state, and regional mandated training.
- Ongoing lecture and “hands-on” skills training.
- Developing/implementing all new hire testing.
- Developing/implementing all promotional testing.
- Develop and run new hire academies.
- Provide all necessary support and assistance to the Company Officers relative to training matters.
- Developing/implementing all probationary step testing.



2019 Training Hours

Encinitas = 18,014

Solana Beach = 6,859

Del Mar = 3,541

Total = 28,324 hrs



TRAINING AND SAFETY

2019 Accomplishments:

- Continue to produce a more robust mental wellness training program for our firefighters.
- Staff rides with Battalion Chiefs for aspiring/acting Battalion Chiefs
- 1 new hire academy
- Captains and Engineers test
- Cancer prevention training
- Annual training for Chief Officers with San Diego Gas and Electric
- Annual drivers, ventilation, rescue, hose lay, VHF radio, and command training
- Annual RT – 130 Wildland training
- Annual Leadership training
- Large multi-agency active shooter drill at the Del Mar Fairgrounds which included over 238 firefighters, 27 EMS personnel, 118 law enforcement officers, 88 law enforcement volunteers, and over 100 volunteers used as role players.
- Applied for and received a Fire House Subs grant for over \$30,000.00 worth of auto extrication equipment for Del Mar.
- CPR in the schools—5 classes teaching over 5,000 kids
- Landing Zone training with air ambulance helicopters.
- Fire attack/search and rescue drill at an abandoned house in Solana Beach.
- Land navigation training for use during wildland fires.



Multi-Company Drills in 2019

- Hazardous Materials Training
- Live Fire Training
- High Angle Rescue Drill
- Confined Space Drill
- County Wildland Drill
- Fire School Camp Pendleton (wildland)

EMS



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 an effort to increase survival rates of cardiac arrest in our area, the Fire Department worked with the San Dieguito Union High School District to teach 7th graders hands-only CPR.

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.



FIRE PREVENTION

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

MAJOR ACCOMPLISHMENTS 2019

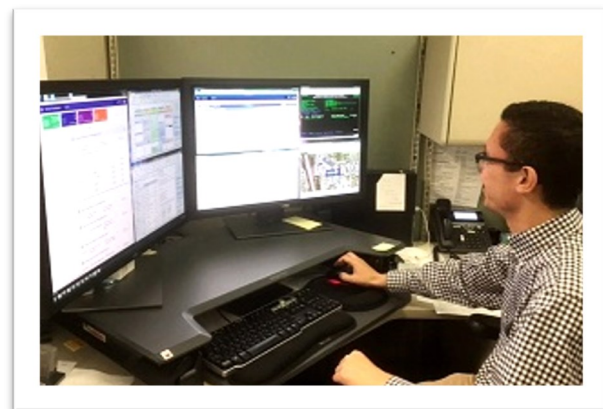


Vegetation Management

- Proactive approach
 - ◇ Website and Social Media
 - ◇ Plan review
 - ◇ Perform safety assessments
 - * Home Owners Associations
 - * County Parks - San Elijo Lagoon
- Inspections and Enforcement
 - ◇ Complaints and Violations
 - * Attained 100% Compliance

New Programs

Encinitas Fire Prevention began processing Fire Protection Permits, such as sprinkler permits, using the automated EnerGov system. This paperless system will increase efficiency and reduce waste.

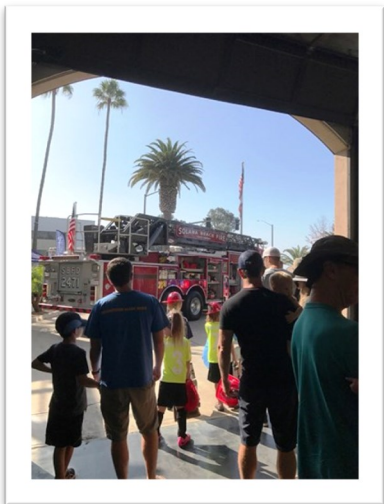


Succession Planning

Succession planning for the future of community risk reduction is important. Fire Prevention staff attended the SDUHSD College and Career Night, as well as the San Dieguito Academy Career Fair. This outreach opportunity provides our future leaders to explore a career in the fire service.

FIRE PREVENTION

MAJOR ACCOMPLISHMENTS 2019



National Fire Prevention Week

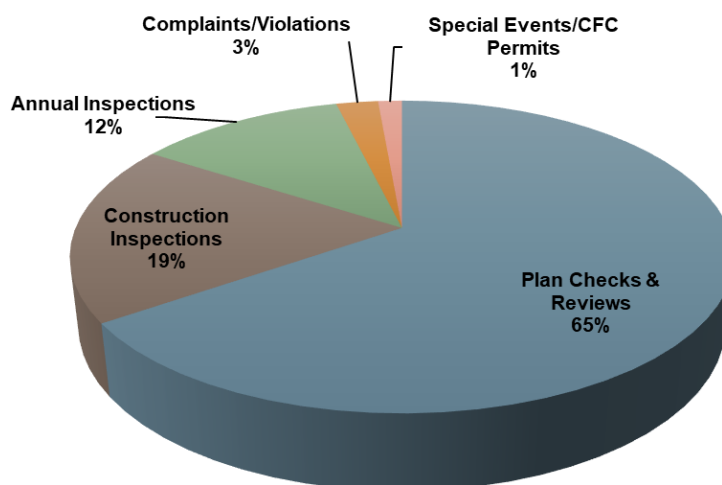
National Fire Prevention Week was celebrated with an Open House at ENC Station 5 and SOL Station 1. This was a great educational opportunity for all ages.

Public Education

- Wildfire Community Preparedness
- Fire and Water Safety at the San Diego Botanical Gardens
- Safety Presentations for Elderly Living Facilities.
- Community Outreach and Education

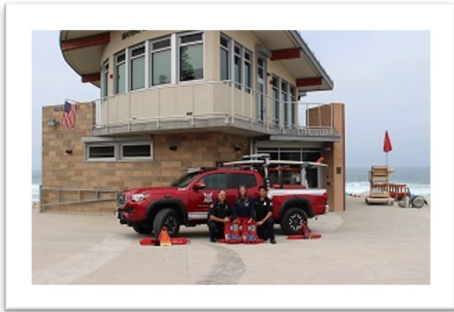


MAJOR FUNCTIONS OF FIRE PREVENTION



MARINE SAFETY

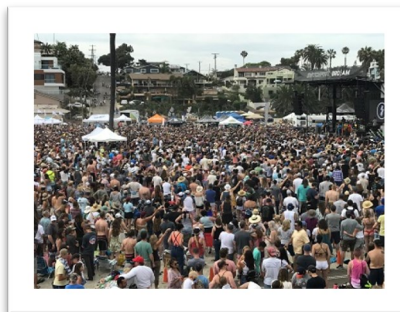
The Marine Safety Division provides public safety services for the 3.5 miles of coastline in Encinitas. Lifeguards also provide mutual aid to surrounding areas during large scale incidents. In 2019, the division was staffed with 1 Marine Safety Captain, 1 Lieutenant, 4 Sergeants, 57 seasonal lifeguards and 10 lifeguard aides. Marine Safety services include rescues (swiftwater/flood, surf, open water, under-water, and cliff), medical aids, mitigation of safety hazards on the beach, and providing proactive measures and safety information to the public. The Marine Safety Division implemented its first Ocean Lifeguard Academy in 2019 to bolster the needed certified staffing for lifeguard towers across Encinitas beaches. The largest public safety education program, the Junior Lifeguards, is coordinated by the Marine Safety Division.



14 automated external defibrillators (AEDs) were placed in service in lifeguard towers and patrol vehicles in 2019. The purchase was of these AEDs was made possible by a grant from Firehouse Subs Public Safety Foundation.

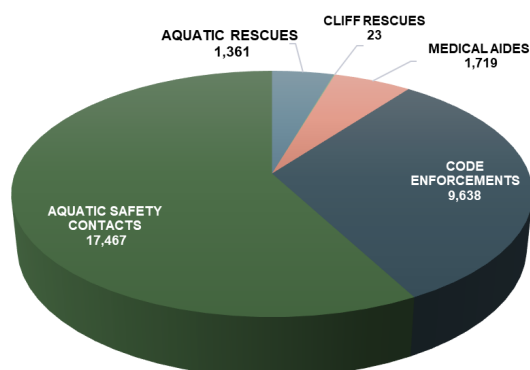


The Junior Lifeguard Program teaches children ocean rescue techniques, beach first aid, and the use of rescue boards and lifeguard equipment.



The annual Switchfoot BRO-AM music and surf festival at Moonlight Beach, the largest beach event of the year, was a huge success.

2019 STATISTICS



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 senior fire staff provide operational oversight for the Encinitas, Del Mar, 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

- **EOC:** 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.
- **Drills:** 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.

COMMUNITY PARTNERS



Firehouse Subs Public Safety Foundation awarded a grant to the Solana Beach Fire Department to purchase more than \$30,000 worth of new extrication tools. Firefighters showed off their new equipment at an event at a Firehouse Subs restaurant in Encinitas. The event featured a donation ceremony, as well as a live demonstration, explaining the importance of the equipment and how it will be used to save lives. Firehouse Subs Public Safety Foundation donates lifesaving equipment and resources to first responders and public safety organizations through a quarterly grant program.

In August of 2019, our firefighters hit the streets with boots in hand asking pedestrians, motorists, customers and other passersby to make a donation to Muscular Dystrophy Association (MDA) as its members kicked off the annual Fill the Boot fundraising campaign to help children and adults with muscular dystrophy. Funds raised throughout the greater San Diego area Fill the Boot events help fund groundbreaking research and life-enhancing programs such as state-of-the-art support groups and Care Centers, including the local MDA Care Center at Rady Children's Hospital and UC San Diego.



As a fundraising gift, the Del Mar Fire Department offered dinner at the station to the Rotary Club for their annual charity auction. Captain Gio, Joel and Morgan delighted the kids with a tour of their engines, equipment and tales of events - emphasizing safety items specific to youngsters, like texting, earbuds, bike helmets, etc. The event was capped off with a race to don full call-out gear, which the smallest girl won - in spite of being given the kit of a very large firefighter.

2019 HIGHLIGHTS

*Standards of
Coverage and Risk
Assessment Study*

*New Thermal
Imagining
Cameras at all
Stations*

*Peak Hour Fast
Response Vehicle
Pilot Program*

*New Cardiac
Monitors and
Mechanical CPR
Devices*

*North Zone West
Side Active
Shooter Drill*

*Started Fire
Prevention Intern
Program*

*Large Animal
Evacuation
Community
Forum*

*Added Marine
Safety Sergeant
Position for Jr.
Guard Program*

*Marine Safety
New Hire
Training Pilot
Program*

*Grants Awarded
for Rescue
Equipment
Purchases*

*Implemented
Electronic Plan
Review for Fire
Protection Systems*

*New Contract
with County of
San Diego
Increased CSA-17
Funding*

*Completed Radio
CIP Replacements*

2019 IN ACTION

