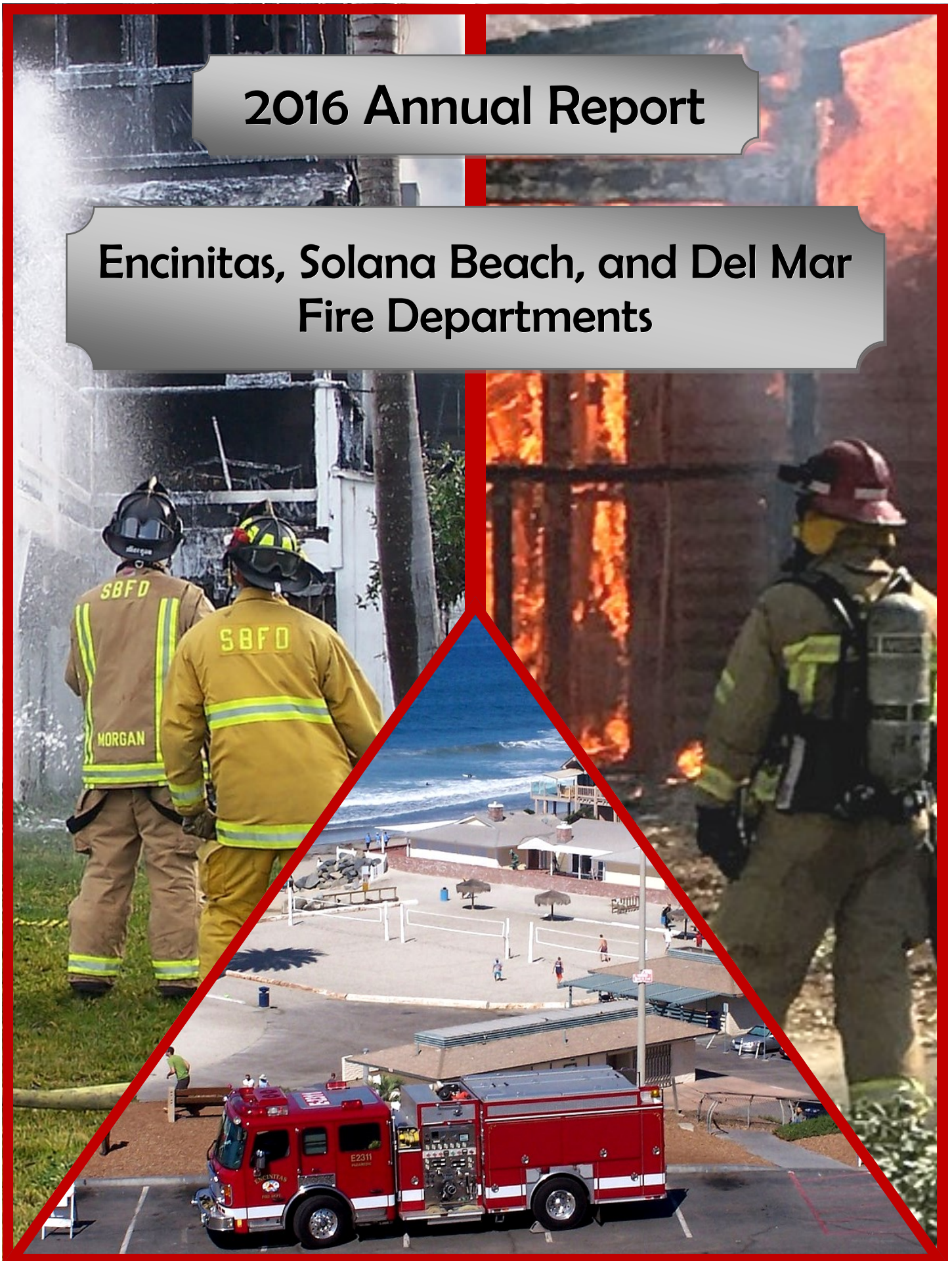


2016 Annual Report

Encinitas, Solana Beach, and Del Mar Fire Departments



2016 ANNUAL REPORT



Mike Stein, Fire Chief

*"Doing nothing for others is
the undoing of ourselves"*

-Benjamin Franklin

CHIEF'S MESSAGE

It is with great pleasure we submit to you the Del Mar, Encinitas, and Solana Beach Fire Departments' 2016 Annual Report. 2016 was a transition year for our organization. We instilled a new leadership team. Collectively, we promoted 13 individuals, and hired 9 into our firefighting family. To keep up with that demand, we held multiple promotional tests, new hire tests, and new hire academies. This type of upward movement invigorates an organization, challenges the status quo, and brings new ideas and new energy into our organization.

The goal of our new leadership team is to honor and respect the excellent work that occurred before us to build this great organization, while also taking every opportunity to continually better serve our communities. In 2016, we have made great strides, as you will read in the report. My expectation is that 2017 will be even better!

Lastly, I want to take time to properly recognize our fine folks who deliver our service every minute of every single day. From our lifeguards protecting our beaches, to our fire prevention staff making our communities a safer place to live and play, to our administrative staff making sure our organization is running efficiently and effectively, and to our firefighters responding at a moment's notice in someone's time of need.....I say Thank You! Collectively, this team effort made 2016 a successful year and made our communities safer for everyone!

Mike Stein
Fire Chief

Total Incidents

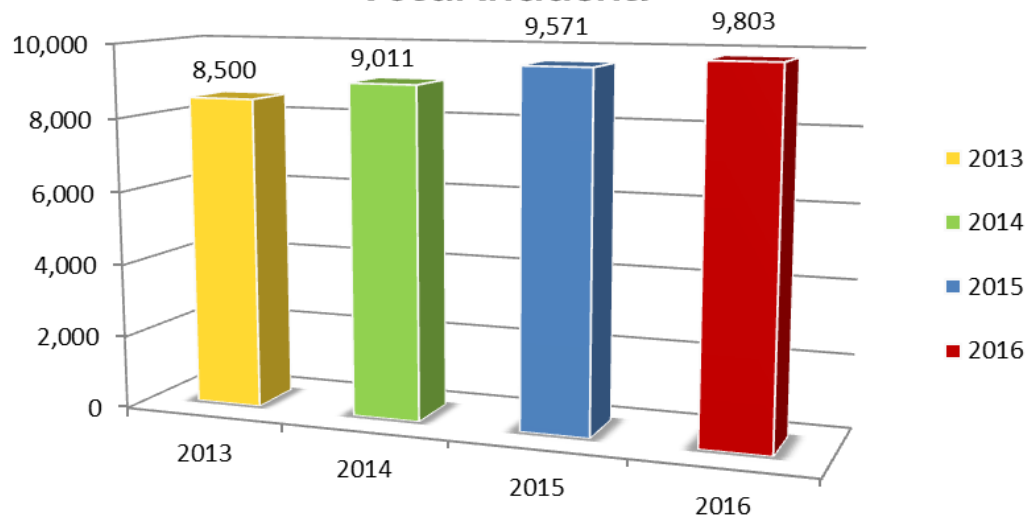


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Mission Statement

“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.



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—100

Sworn Personnel

1 Fire Chief
1 Deputy Fire Chief
3 Battalion Chiefs (ISOL)
24 Fire Captains
27 Fire Engineers
27 Firefighter/Paramedics

Fire Prevention Personnel

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

Fire Administration Personnel

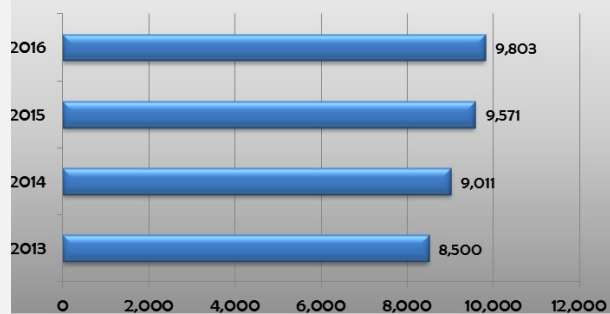
1 Sr. Management Analyst
1 Management Analyst
1 Dept. Admin Coordinator
1 Program Assistant
1 Administrative Assistant (SOL)
1 EMS Coordinator

Marine Safety Personnel

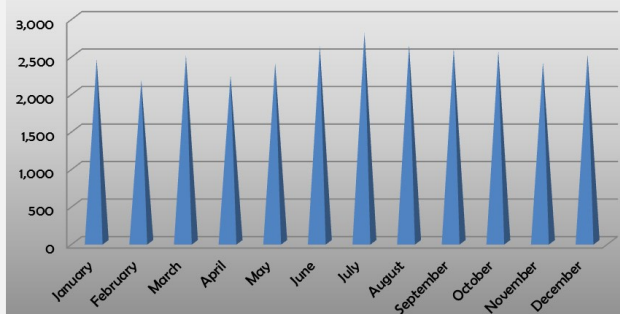
1 Captain
1 Lieutenant
3 Sergeants

Incident Stats 2013-2016

Total Incidents



Incidents by Month



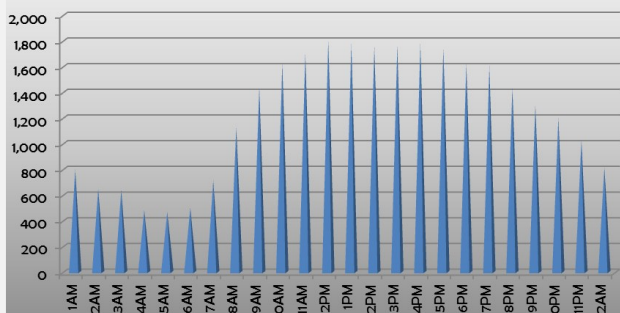
Auto Aid Received Incidents—3,375

Auto Aid Given Incidents—3,924

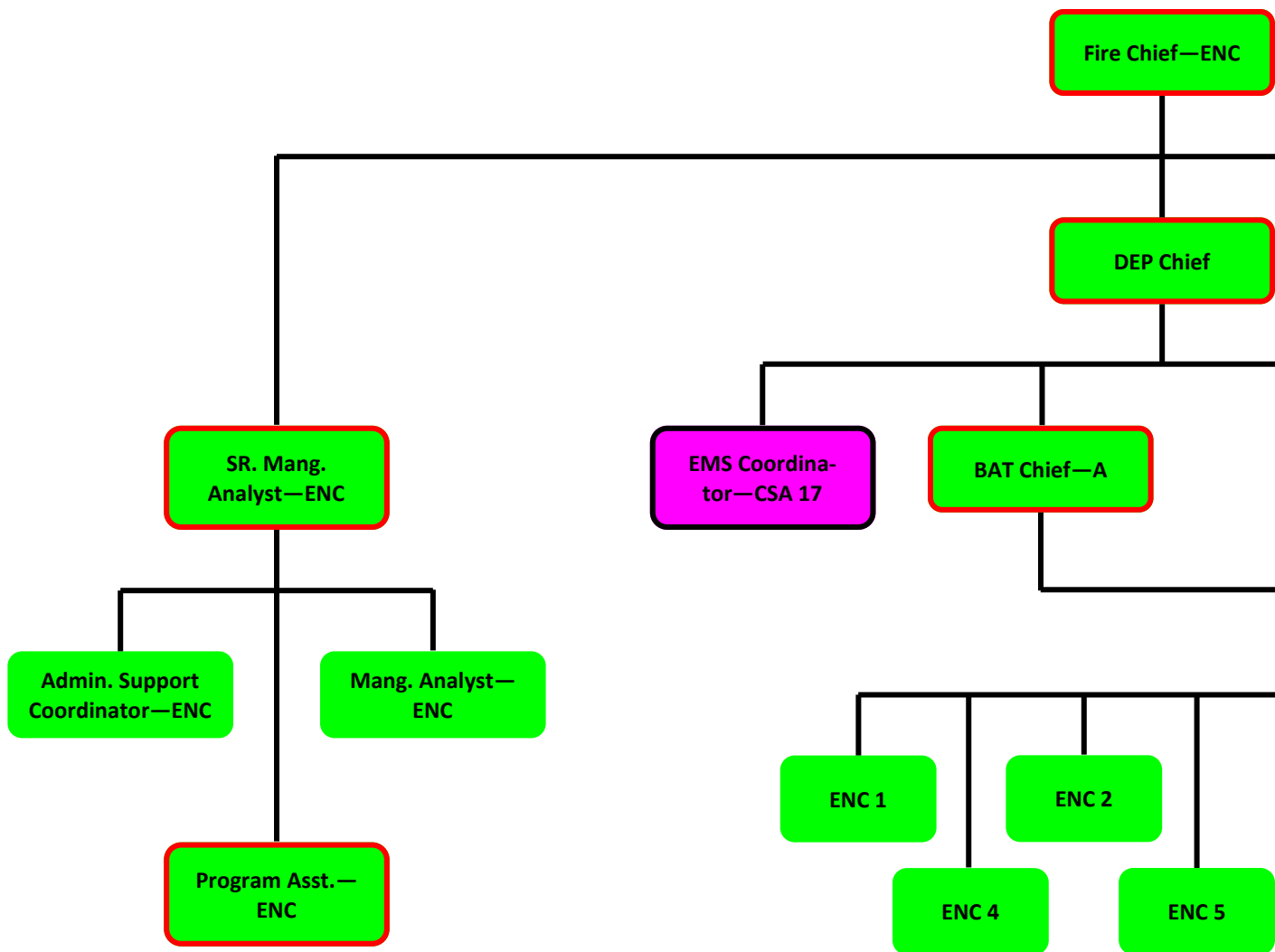
Average Response Time—4 min 36 sec
(turnout + drive time)

Training Hours Logged (2016)—37,397

Incidents by Time of Day

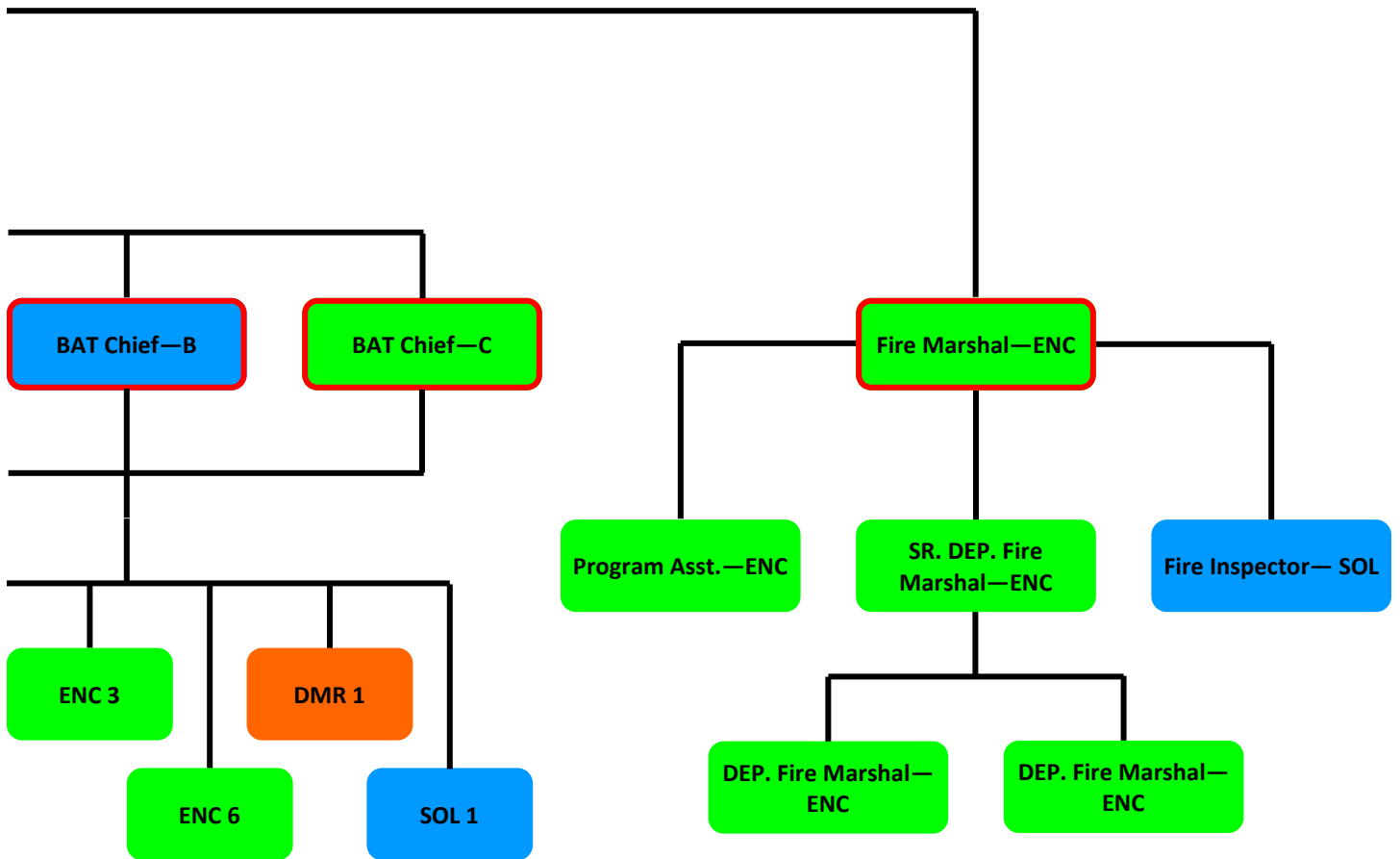


Fire Department Organization Chart



Administration

LEGEND		
Shared	All	Not Shared
<div></div>	<div></div>	Encinitas
<div></div>	<div></div>	Solana Beach
<div></div>	<div></div>	Del Mar
<div></div>	<div></div>	CSA—17



Operations

Prevention

Encinitas Snapshot

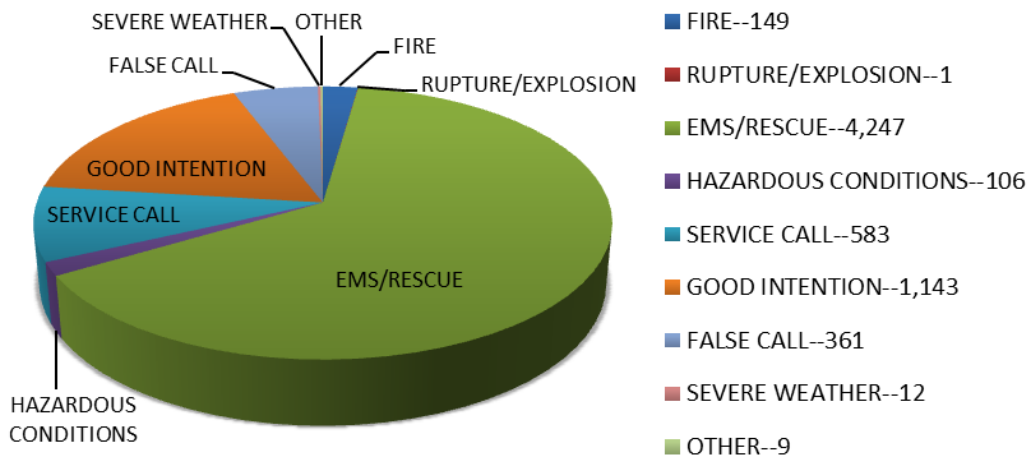
Land area—19.6 square miles

Population—61,928

of Stations—6

of Firefighters—55

2016 Emergency Responses Total = 6,611



Average Response Time—4 min 42 sec

Structure Value Loss = \$1,189,200

Structure Value Saved = \$5,231,000

Solana Beach Snapshot

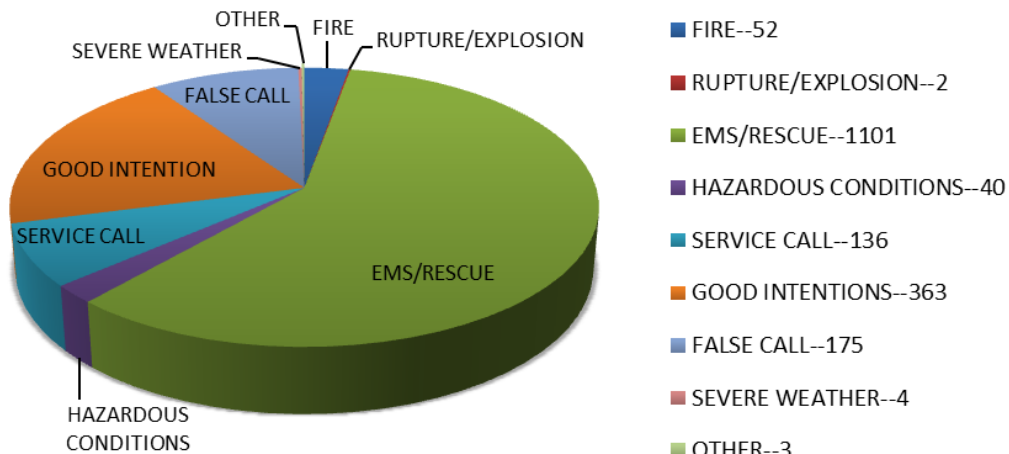
Land area—3.4 square miles

Population—13,494

of Stations—1

of Firefighters—19

2016 Emergency Responses Total = 1,876



Average Response Time—4 min 30 sec

Structure Value Loss = \$81,000

Structure Value Saved = \$4,400,000

Del Mar Snapshot

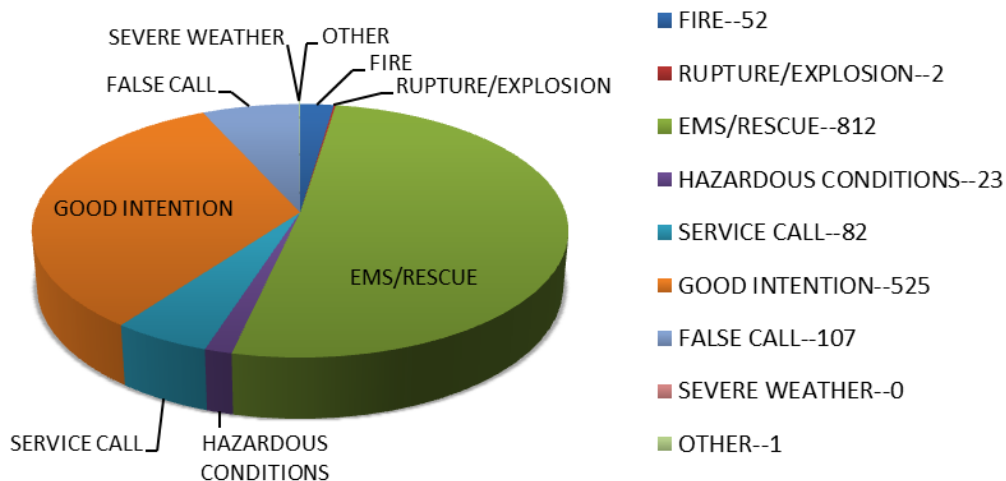
Land area—1.8 square miles

Population—4,214

of Stations—1

of Firefighters—9

2016 Emergency Responses Total = 1,316



Average Response Time—5 min 5 sec

Structure Value Loss = \$702,000

Structure Value Saved = \$3,025,000

ISO RATINGS

The Insurance Service Office (ISO) reviews communities' public fire suppression capabilities and develops a classification for insurance companies, allowing them to assess the risk of local fire protection. The rating is used to establish appropriate fire insurance premiums for residential and commercial properties. The rating system runs on a scale from 1 (highest) to 10 (lowest). The components affecting the score include the performance of the fire department, the available water supply, and the communications systems in place (i.e., dispatch).

In 2016, ISO evaluated all three fire department's ISO rating.

The Solana Beach Fire Department was upgraded to a 1 from a 3 in 2012. ISO surveyed 48,632 communities nationwide. Less than 0.4% (only 178 fire departments) of these communities have a rating of 1, which now includes Solana Beach.

The Encinitas Fire Department was upgraded to a 2/2X. The last survey was taken in 2012 and gave the Department a rating of 3/9.

The Del Mar Fire Department was upgraded to a 2 from a 4 in 2012.

Less than 3% of these communities (48,632) have a class of 2 or lower, which now include Encinitas, Solana Beach, and Del Mar.

Over the past several years, the Department has been working hard to improve its rating via efforts in community risk reduction. These efforts include code adoption and enforcement, public fire safety education, fire investigations and pre-fire planning inspections. The fire department also focused efforts on first alarm response and initial attack to minimize potential loss. The improved rating may reduce insurance premiums for the community.

2016 New Hires



Brian Crain
Fire Fighter/Paramedic
Del Mar



James Hancock
Fire Fighter/Paramedic
Solana Beach



Jonathan Lim
Fire Fighter/Paramedic
Encinitas



Kyle Menzies
Fire Fighter/Paramedic
Encinitas



Mike Rigali
Fire Fighter/Paramedic
Encinitas



Ray Tellechea
Fire Fighter/Paramedic
Encinitas



Sarah Duffy
Program Assistant
Encinitas



Karen Kay
EMS Coordinator
CSA-17



Patricia Letts
Administrative Assistant
Solana Beach

2016 Promotions



Mike Stein
Fire Chief



Jon Blumeyer
Deputy Chief



Jim Mickelson
Battalion Chief



Adam Heer
Captain
Encinitas



Eric Phillips
Captain
Solana Beach



JJ Siberell
Captain
Solana Beach



Chris Cincotta
Engineer
Encinitas



Bill Frisch
Engineer
Encinitas



Ryan Pester
Engineer
Solana Beach



Billy Styers
Engineer
Solana Beach



Zack Toth
Engineer
Solana Beach



Corina Jimenez-O'Donnell
Sr. Management Analyst
Encinitas



Ashlee Stratakis
Management Analyst
Encinitas

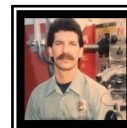
2016 Retirements



Mike Daigle
Fire Chief



Rick Davis
Captain
Solana Beach



Greg Kaczur
Captain
Solana Beach



Pat O'Neil
Captain
Del Mar



Rob Voorhees
Captain
Encinitas



Jeff Grochowski
Engineer
Encinitas

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, and 2 type-3 brush engines. Our paramedic ambulance provider, AMR, also houses 4 ambulances in our fire stations.

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.

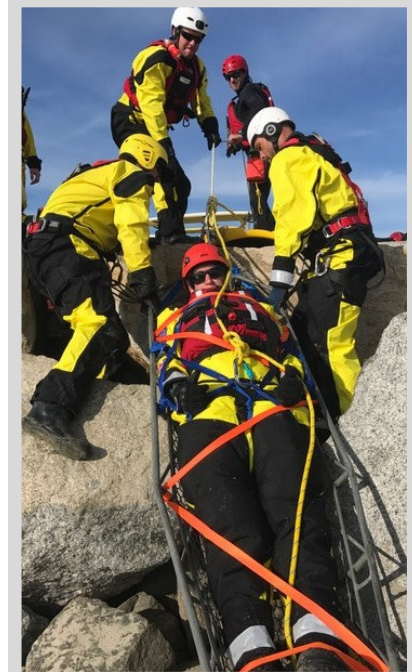
The Operations Division is overseen by Deputy Chief Jon Blumeyer. There are three different shifts (A, B, and C Shifts) of firefighters that staff each fire station in order to provide 24-hour service to our communities. Personnel assigned to Operations work a 56-hour work week on average. Each fire 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 two rather than three firefighters. 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:

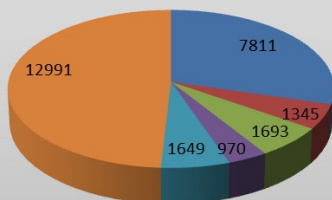
- Providing federal, state, and regional mandated training
- Ongoing lecture and “hands-on” skills training
- Developing/Implementing all new hire testing
- Developing/Implementing all promotional testing
- Develop/Implement all probationary step testing
- Organizing the Management Academy

The Training Division is headed by Deputy Chief Jon Blumeyer. In 2017, Battalion Chief Jim Mickelson will be assisting with many of the responsibilities.



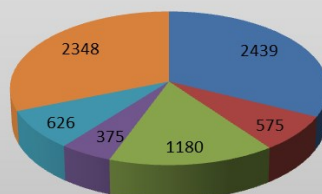
ENC training hours 2016

- Suppression
- EMS
- Prevention
- Technical Rescue
- Administrative
- Safety



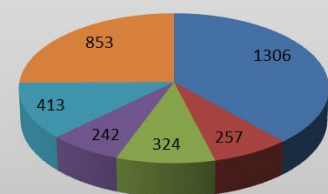
SOL training hours 2016

- Suppression
- EMS
- Prevention
- Technical Rescue
- Administrative
- Safety



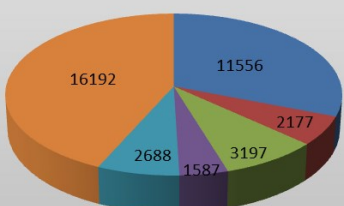
DMR training hours 2016

- Suppression
- EMS
- Prevention
- Technical Rescue
- Administrative
- Safety



Total training hours 2016

- Suppression
- EMS
- Prevention
- Technical Rescue
- Administrative
- Safety



Training and Safety

2016 Accomplishments:

- Completed Blue Card training (certification for structural firefighting) for all company officers and eligible officer candidates
- Implemented an acting Battalion Chief program for interested Fire Captains
- Coordinated a multi-agency, multi-discipline active shooter drill at the Del Mar Fairgrounds
- Participated in an NCTD train derailment mass casualty drill in Del Mar
- Trained and updated swift water rescue teams
- Provided 2 recruit training academies
- Implemented 1 new hire exam, 1 Engineer's exam, 1 Captain's exam, and 1 Battalion Chief's exam

Battalion Chief Robbie Ford is our Safety Officer. In 2016 the Department implemented a Safety Committee with participation from all 3 Departments. Also included on the Committee are; Encinitas FD admin. & prevention staff, the City of Encinitas Risk Manager and Fleet Supervisor. The mission of the Safety Committee is: *to promote a safety –first attitude by proactively developing workplace safety through cooperative integration of work practices, policies, education, and prevention.*

The goals of the Committee are to:

1. Promote and maintain the interests of employees in health and safety standards
2. Educate all employees through awareness and training in the prevention of workplace injuries and illness
3. Provide an avenue and create a culture for open discussion of health and safety concerns and solutions
4. Protect physical well-being and lives of employees, visitors, and guests
5. Identify, evaluate, and abate workplace hazards, and initiate reasonable solutions to eliminate or control them
6. Reinforce and develop safe employee attitudes and behavior



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 2016, as reported in the National Cardiac Arrest Registry for Enhanced Survival (CARES Registry), CSA-17 had a cardiac arrest survival rate of 23.1%. The national average survival rate for 2016 was 10.8%. In an effort to increase survival rates in our area, the Fire Department worked with the San Dieguito Union High School District to teach 7th graders hands-only CPR. During the 2016/2017 school year, we taught 2,231 7th graders in 4 out of 5 middle schools in the District.

In 2016, we also hired our new CSA-17 EMS Coordinator, Karen Kay, RN., BSN., MPSL. Karen has been a Paramedic since 1990 and a nurse since 2001. She has worked in various Emergency

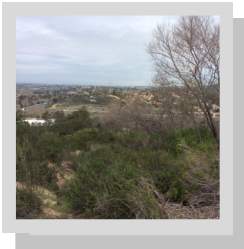
Departments in San Diego (Pomerado and Scripps Encinitas) and Riverside County (Loma Linda and Inland Valley) as well as a Critical Care Transport Nurse and MICN. Among other duties, she is responsible for providing continuing education classes to all of our EMTs and paramedics. She also represents our Department on various regional EMS committees, provides quality assurance/education and chart audits, provides public education, and is our designated infectious control officer.



Fire Prevention

The goal of the Fire Prevention Division is to reduce the risks of fire and life safety for our community and firefighters. Fire Prevention oversees the business inspection and weed abatement programs, and enforces hazardous materials storage/use and disposal laws. Fire Prevention also manages all facility improvements and planning. Fire Prevention is also responsible for processing plan checks of new construction and remodel projects within each city, and performing acceptance inspections of fire sprinklers (commercial/residential) and special hazards systems for new and remodel developments.

Major Accomplishments 2016



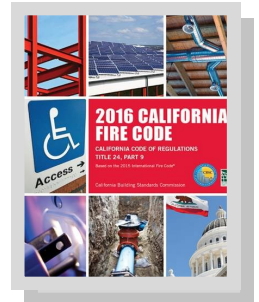
Vegetation Management

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



Code Adoption:

Triennially, Fire Prevention adopts the California Fire Code with local amendments. The 2016 CFC with Amendments became effective January 1, 2017.



Annual Inspection Program

In 2016, the Fire Prevention Bureau implemented the EnerGov Annual Inspection program using computer tablets in Encinitas. The paperless system will increase efficiency and reduce waste.

Public Education

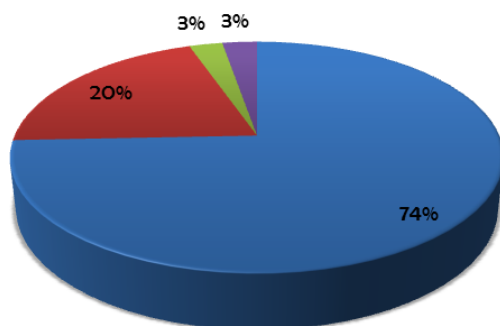
Public Outreach Safety Messages:

- Presentations
 - * Defensible Space/WUI
 - * Senior Safety
- Flyers
- Social Media
- Website



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.

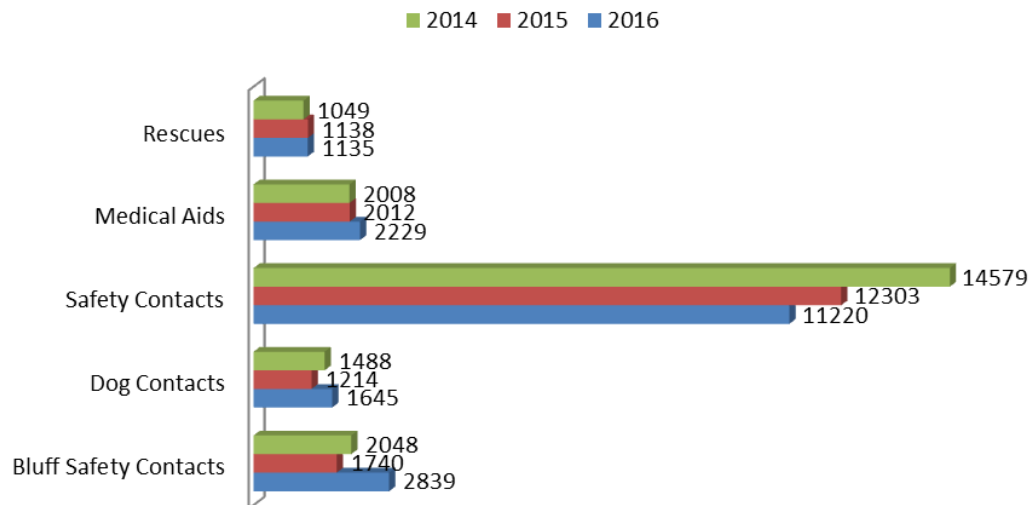


Plan Checks	2,564
Annual Inspections	700
Complaints/Violations	90
Special Events/CFC Permits	94

Marine Safety

The Marine Safety Division is responsible for providing beach safety services for the 3.5 miles of coastline at Encinitas owned or operated beaches. In 2016, this division was staffed with 1 Marine Safety Captain, 1 Lieutenant, 3 Sergeants, and 62 seasonal lifeguards. Traditional services include swiftwater rescue, surf, open, under-water and cliff rescues, medical aids, mitigation of safety hazards on the beach, and providing safety information to the public. The City's Junior Lifeguard Program is also coordinated by the Marine Safety Division; instruction and operation for this program is provided by City ocean lifeguards.

Statistics



2016 Highlights



1,466 Jr. Lifeguards

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



Whale Carcass Removal

In July of 2016, Encinitas lifeguards were tasked with removing the carcass of a 45ft whale weighing 44,000 lbs that had washed ashore.



Sand Collapse Demo

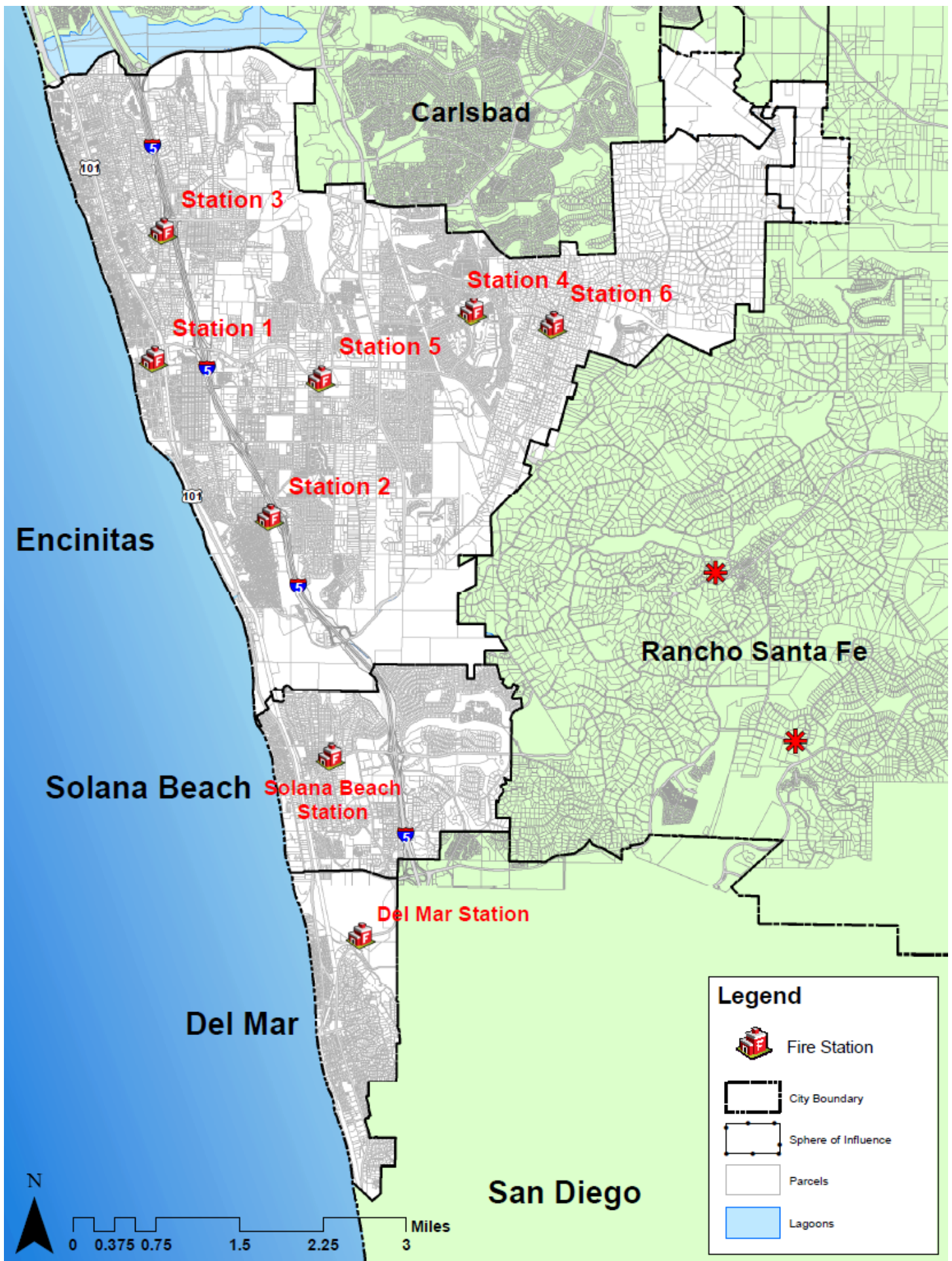
This demonstration at Moonlight Beach showed the dangers of digging sand tunnels on the beach. Several local news stations attended and reported on the event.

Fire Administration

The Administrative Division is comprised of 7 full time employees: the Fire Chief, Deputy Fire Chief, Senior Management Analyst, Management Analyst, Administrative Support Coordinator, Program Assistant, 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 program 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: supervision 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 Encinitas Community Emergency Response Team (CERT) Program:** To prepare residents for a catastrophic disaster, the Encinitas Fire Department started a CERT program in 2004. This program teaches citizens basic emergency skills and trains them to respond effectively to disasters as a 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, for example, to determine whether it is safe to go in. The classes are taught by Encinitas 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.



Department in Action



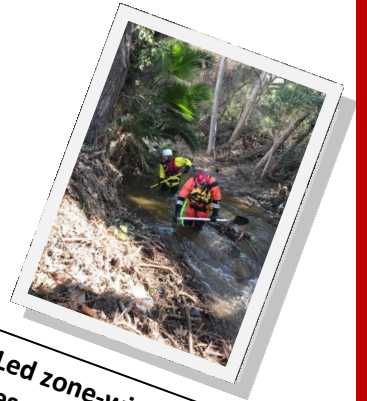
2016 Happenings



Started effort to teach CPR to all 7th grades in San Dieguito High School District— over 2,000 kids trained



Purchased a new fire engine for Solana Beach



Led zone-wide water rescue drill training 600+ firefighters at Lake Hodges



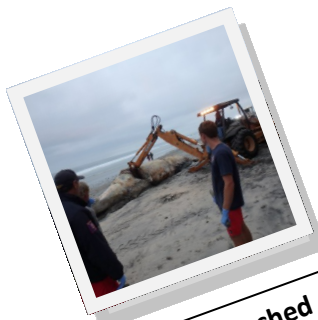
Held media event showing the perils of sand entrapment



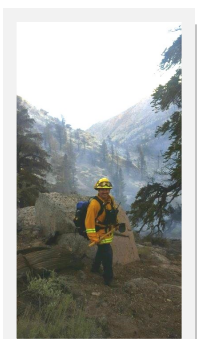
Administered 2 CERT Academies



Coordinated an Active Shooter Drill at the Del Mar Fair Grounds



Evacuated a beached whale on an Encinitas beach



Successfully sent personnel on overhead assignments at major wildland fires



Established safety and uniform committees

Thank You!



The Fire Department would like to thank our Citizens, City Council Members and City Leaders for your continued support of our services. Together we make a GREAT team! Our motto of ***“Committed to excellence, focused on Community”*** starts with the support of each and every one of you.

