



Annual Report 2020^{and}2021

Newport Beach Fire Department

Safety

Service

Professionalism



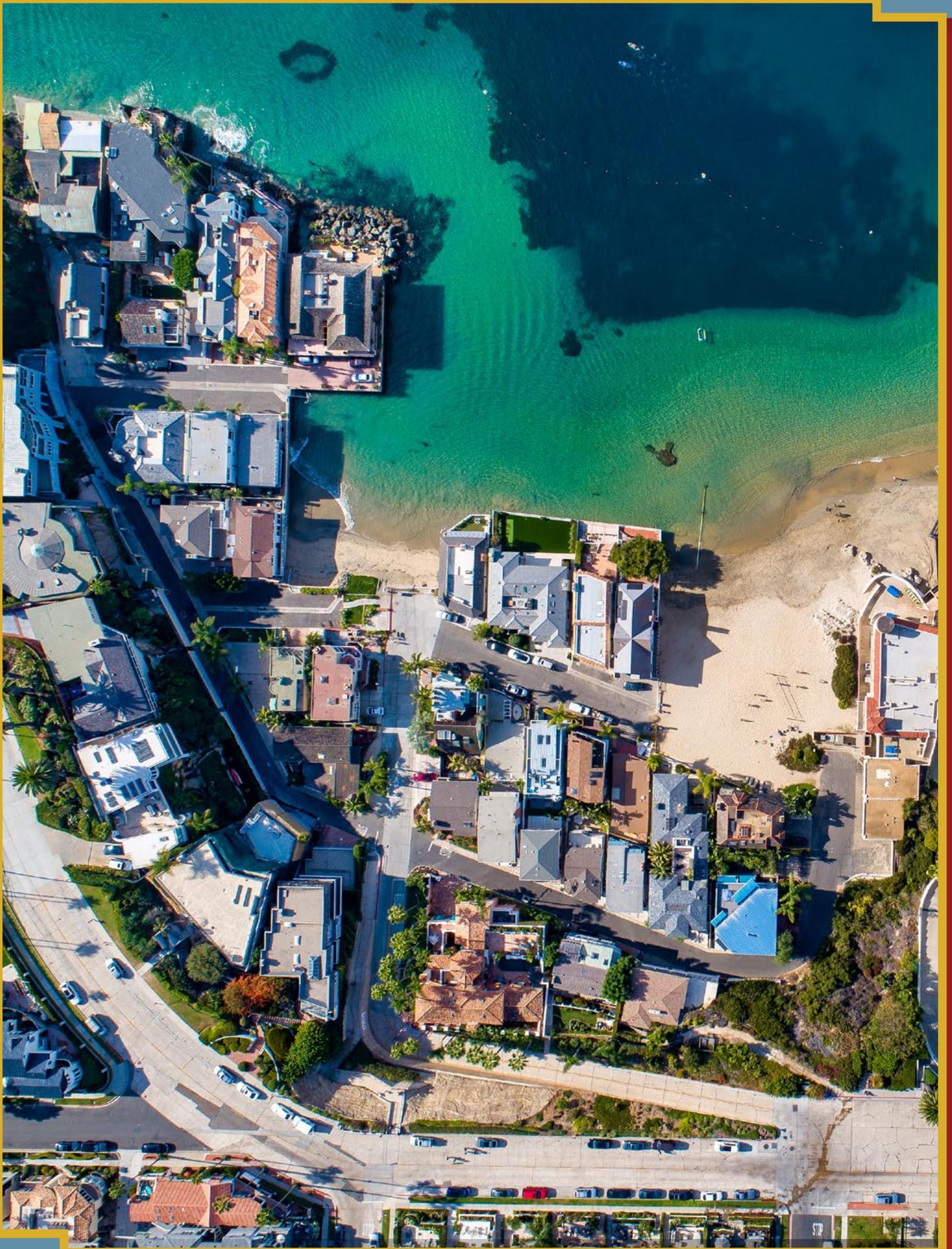
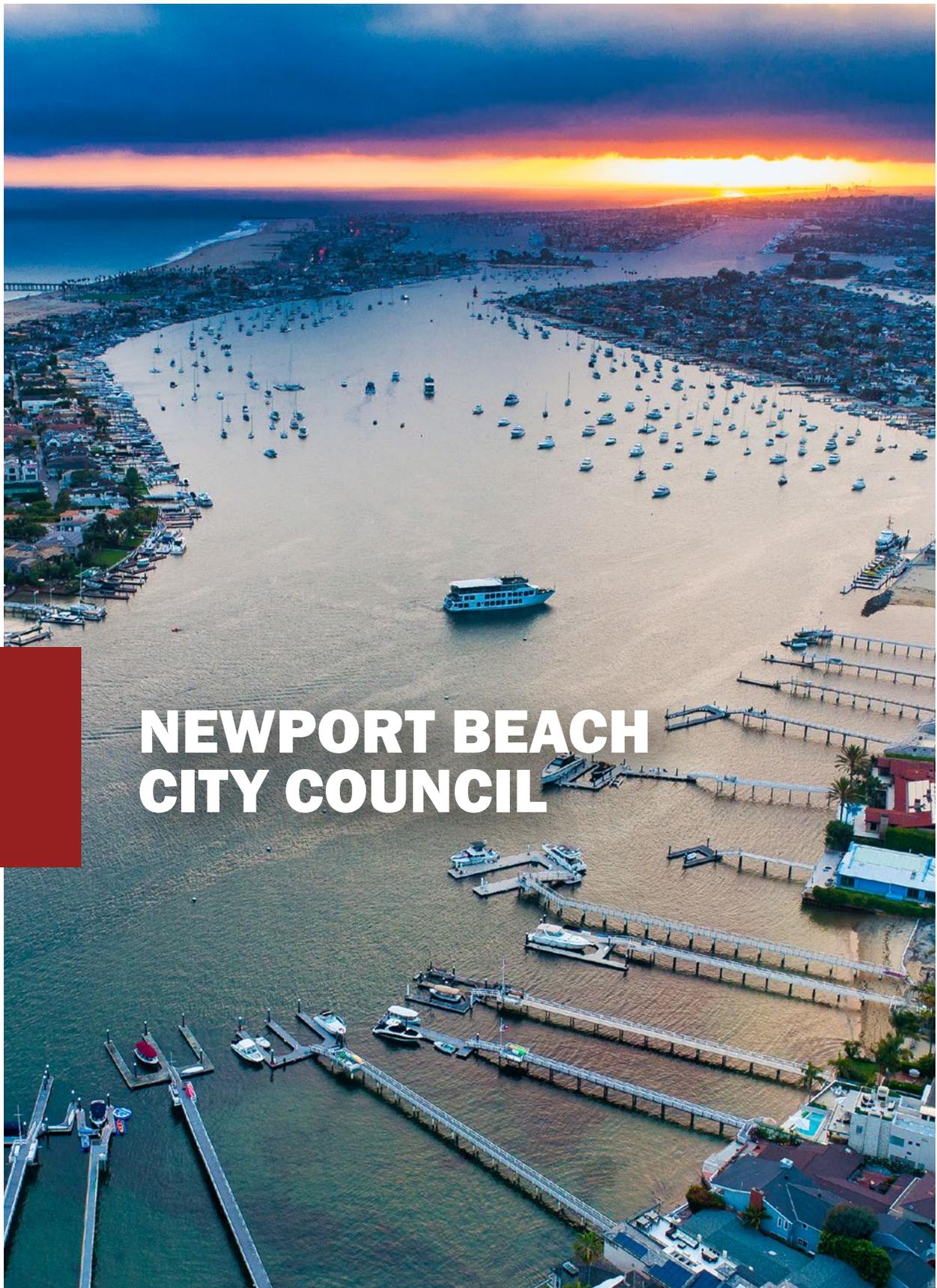


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NEWPORT BEACH CITY COUNCIL



NEWPORT BEACH CITY COUNCIL

The Newport Beach Fire Department would like to thank the Newport Beach City Council members for their continual support. We appreciate all you do for our department and the community.



Diane Dixon
District 1



Brad Avery
District 2
2021 Mayor
2020 Mayor Pro Tem



**Marshall "Duffy"
Duffield**
District 3



Kevin Muldoon
District 4
2022 Mayor
2021 Mayor Pro Tem



Noah Blom
District 5
2022 Mayor Pro Tem



Joy Brenner
District 6



Will O'Neill
District 7
2020 Mayor



FIRE CHIEF'S MESSAGE



Newport Beach Fire Chief
Jeff Boyles

The Newport Beach Fire Department has been protecting residents, businesses, and visitors for 110 years on land and in the ocean with our operating principles of safety, service, professionalism. Operationally, the department is staffed with eight fire stations spread throughout the city, a lifeguard headquarters located at the base of the Newport Pier, and a lifeguard substation in Corona del Mar. Administrative and Prevention staff are located within the Newport Beach Civic Center.

Newport Beach is comprised of 24-square miles of land, 23-square miles of ocean water, 2.2 square miles of harbor and bay waters, and is home to a population of 86,738 that swells to over 100,000 a day during the summer months. It is the only city in the county that has a complete combination of high-rise buildings (both residential and commercial), wildland and urban interface, cliffs, a freeway, a bay, a harbor, ocean, jetties, two piers, the world-famous Wedge, a ferry, a Ferris wheel, a peninsula, and eight islands accessible only by bridge, while being directly under the path of John Wayne Airport.

Newport Beach Fire Department personnel train and prepare for a myriad of emergencies. We are proud contributors to Orange County and regional agencies in their time of need and welcome open boundaries from our neighboring agencies as well.

2020 and 2021 challenged our resolve unlike any other year in recent history. Our personnel adjusted to emergency medical responses in the wake of the pandemic. We treated and transported COVID-19 patients to local hospitals in our paramedic ambulances. Our beaches were closed and re-opened per State-mandated orders. Our firefighters and lifeguards continued to educate, respond, treat, transport, rescue and serve in heroic capacities in the face of a global pandemic and wildfires of historic proportions. We became the first agency to obtain state laboratory licensing; train EMT-certified lifeguards to administer vaccines; and obtain and administer COVID-19 vaccines to our community and we continue to do so each month.

Whether serving in fire operations, lifeguard operations, fire prevention, or fire administration, the men and women of the Newport Beach Fire Department are proud of the service we provide and the culture we have developed.

Jeff Boyles
Fire Chief



**SAFETY • SERVICE
PROFESSIONALISM**



ABOUT THE NEWPORT BEACH FIRE DEPARTMENT

ABOUT THE NEWPORT BEACH FIRE DEPARTMENT

Established in 1911, the Newport Beach Fire Department (Nbfd) is a 24/7, 365 days-a-year provider of fire suppression, fire prevention, lifeguard services, and emergency medical services. The members of the Nbfd take pride in serving the community with professionalism and a commitment to the highest level of customer service.



The department is led by Fire Chief Jeff Boyles who began his fire service career in 1994 with San Bernardino County as a firefighter/paramedic. In February 2000, he was hired by the City of Newport Beach as a firefighter. During his career with the Nbfd, Boyles has held the positions of firefighter, paramedic, captain, battalion chief, and assistant chief, and served in specialty assignments as an arson investigator and training chief. He was appointed Fire Chief in July 2019, making him the City of Newport Beach’s ninth Fire Chief.

Chief Boyles is responsible for providing executive leadership over the department’s five divisions – Fire Administration, Fire Operations, Emergency Medical Services, Fire Prevention, and Lifeguard Operations, which is comprised of 144 full-time, four part-time, and 220 seasonal employees. Chief Boyles has been actively involved in many local organizations such as the Commodores, Speak Up Newport, Leadership Tomorrow, and the Marines 1/1 Foundation. Chief Boyles is the current President of the California League of Cities Fire Chiefs Section and is the Treasurer of the Orange County Fire Chiefs Association. He holds a Master of Public Administration and Bachelor of Science in Political Science/Public Administration degrees from the California State University, Long Beach.

MISSION STATEMENT

Protect life, property, and the environment with innovative professionalism and organizational effectiveness using highly trained professionals committed to unparalleled service excellence.

VISION STATEMENT

The Newport Beach Fire Department will be engaged in the community and recognized for exemplary lifesaving services, fire protection, prevention, and preparedness by investing in our employees and the people we serve as well as focusing on our five Core Values:

Integrity	Teamwork	Caring	Respect	Innovation
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CONNECT WITH US

We are on Facebook, Twitter, and Instagram

-    • @newportbeachfd
- @newportbeachlifeguards

NEWPORT BEACH FIRE DEPARTMENT (NBFD) DIVISIONS

■ ADMINISTRATION DIVISION

The Fire Department's Administration Division is responsible for managing the department's \$56-million budget, which includes the timely processing of payroll for all full-time, part-time, and seasonal personnel; the maintenance and repair of eight-fire stations, lifeguard headquarters, the Corona del Mar lifeguard substation, and 37 lifeguard towers; the coordination of purchasing, contracts, accounts payable, and vendor relations; monitoring compliance and reporting of emergency medical services requirements for the licensing of personnel, and government reporting and auditing; managing training and education for the Community Emergency Response Team; and supporting the administrative needs of the Fire Chief, the department's executive team and its personnel.

■ FIRE OPERATIONS DIVISION

The sworn personnel in the Fire Operations Division have the primary responsibilities for life safety, incident stabilization, and the preservation of property and the environment. The NBFD prides itself on operating as an emergency organization responding to fires, pre-hospital medical emergencies, technical rescues, traffic accidents, vehicle extrications, major flooding, hazardous materials incidents, ocean rescues, high-rise incidents, wildland fires, and disaster operations. Our personnel train consistently to ensure peak performance to meet the needs of any emergency situation.

■ EMERGENCY MEDICAL SERVICES (EMS) DIVISION

Since 1975, the NBFD has been the sole provider of paramedic services for the Newport Beach community. Our paramedics have a well-deserved reputation for providing high-quality patient care among the medical community and the public we serve. Our department demonstrates its commitment to this level of service by providing extensive training, utilizing quality control measures, and purchasing the most technically advanced medical supplies and equipment.

■ FIRE PREVENTION DIVISION

The Fire Prevention Division provides a full range of services encompassing community preparedness, emergency planning, fire prevention, code enforcement, fire inspections, vegetation management, and plan check services for new and tenant improvement construction projects. The division's focus is on the prevention of the loss of life and property and to minimize damage to the environment through education, enforcement, and preparedness. We are committed to providing the highest level of service and expertise in partnership with the community.

■ LIFEGUARD OPERATIONS DIVISION

The NBFD's ocean lifeguards protect up to 10 million annual beach visitors along Newport Beach's ocean and bay beaches with preventative actions, code enforcement, education, and medical assistance. Every day of the year, lifeguards ensure safety and provide customer service to the visitors on the beach, boardwalk, piers, and in the ocean. The Lifeguard Operations Division provides the community with the highest level of lifeguarding services and is recognized as an Advanced Agency by the United States Lifesaving Association.

ORGANIZATIONAL CHART



Fire Chief



**Assistant Chief
Fire Operations**



**EMS Division
Chief**



**Administrative
Manager**



Fire Marshal



**Assistant Chief
Lifeguard
Operations**

**Battalion
Chief (3)**

**EMS
Captain**

**Management
Assistant**

**Life Safety
Specialist III**

**Battalion
Chief (2)**

Captain (29)

**Medical Director
(Contract)**

**Administrative
Assistant to the
Fire Chief**

**Life Safety
Specialist II (3)**

Captain (8)

Engineer (30)

**Nurse Educator
(Contract)**

**Senior Fiscal
Clerk**

**Part-Time Life
Safety Specialist I**

**Seasonal Ocean
Lifeguard (220)**

Paramedic (42)

**Department
Assistant**

Training Captain

Firefighter (9)

**Fire Services
Coordinator (2)**

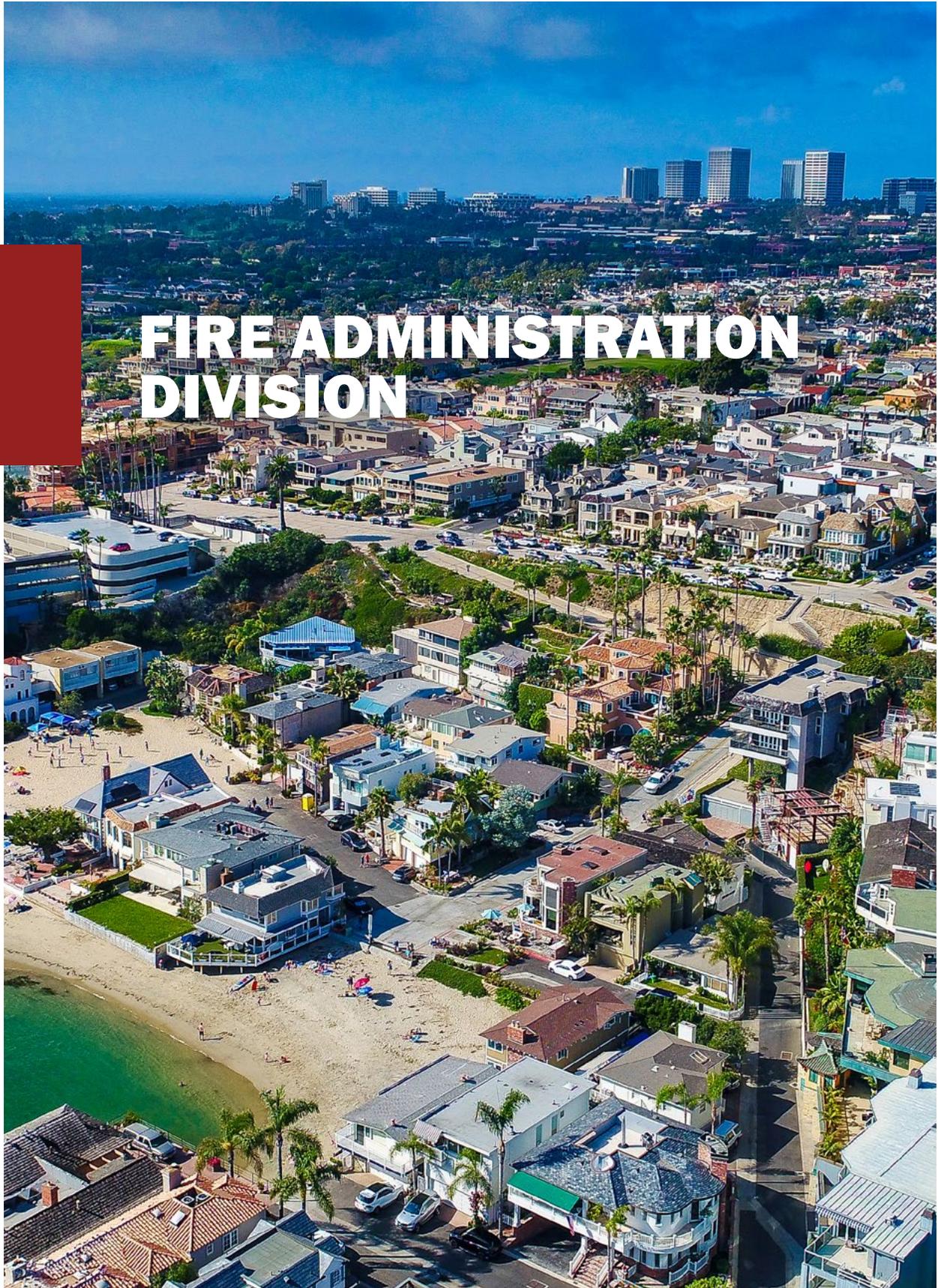
**Department
Assistant**

**Training
Battalion Chief**

**Part-Time Support
Services Aide (2)**

**Part-Time
Recreation
Coordinator**

Training Captain



FIRE ADMINISTRATION DIVISION

The Fire Department's Administration Division consists of seven full-time and two part-time civilian personnel responsible for implementing City-wide policies and procedures as they relate to the department's \$56-million budget, payroll, purchasing, contracts, and facility maintenance and repairs as well as managing the emergency medical services billing, community engagement, social media, the Community Emergency Response Team (CERT) and the Fire Medic subscription program.

Over the past two years, the division has experienced staffing turnover due to promotions and external opportunities. This allowed the Fire Chief an opportunity to realign the civilian administrative personnel from being assigned to different division managers to reporting directly to the administrative manager. Additionally, the division had a full-time vacancy for roughly two years, from October 2019 through August 2021, due to budgetary restrictions. Now that every position is filled, and the personnel are working under one manager, the division has become streamlined toward the same department-wide goals.

Like other agencies, COVID-19 became the epicenter for the Nbfd in early 2020 and the Administration Division stepped up to meet the unprecedented and ever-changing demands. In addition to supporting the department's first responders by ensuring purchases for personal protective equipment (PPE) were being met, and they would continue to receive a paycheck, there were efforts underway for immediate budget reductions and planning for the next fiscal year's reduced budget.

BUDGET, GRANTS, AND REVENUE

The Newport Beach City Council approved the fiscal year 2020-21 budget in June 2020, which included an estimated budgetary shortfall of approximately \$33.2 million due to COVID-19 related concerns. These reductions affected every department, including the Fire Department. While the department's overall budget has slightly increased, generally due to contract obligations for salaries and benefits, the maintenance and operations (M&O) budget, which is the primary funding for the day-to-day needs of the department, has been reduced as shown on the next page.



Administrative Manager
Mary Locey



BUDGET HISTORY

	FY 2021-22	FY 2020-21	FY 2019-20
Total Department Budget	\$55,861,886	\$54,790,910	\$53,193,483
Salaries and Benefits	\$44,373,345	\$43,750,802	\$42,783,734
Maintenance and Operations	\$3,725,135	\$3,694,082	\$4,000,002
Internal Service Charge	\$7,449,527	\$7,032,147	\$6,096,283
Capital Expenditures	\$313,879	\$313,879	\$313,464

These reductions limited some planned purchases, repairs, and upgrades; however, there have been many large ticket items approved by the City Council over the last two years.

- Two Pierce Type I fire engines with an expected delivery in Spring 2022;
- One Pierce Type III wildland fire engine with an expected delivery in Spring 2022;
- Three Leader paramedic vans with an expected delivery in late 2022;
- One Pierce ladder truck with an expected delivery in Winter 2023;
- Construction of a new Fire Station #2 located on 28th Street between Balboa Boulevard and Newport Boulevard, which is scheduled for completion in Spring 2022; and
- Funding committed for the Junior Lifeguard building that is expected to break ground in Fall 2022.

Throughout 2020 and 2021, the Administration Division faced the challenges of COVID in stride while maintaining normal department operations and implementing several new budgetary matters.

Processing payroll for the Nbfd is another major component of work for the division. The Nbfd's \$56 million budget is comprised mostly of salaries and benefits for the 144 full-time, four part-time, and approximately 220 seasonal employees. Payroll processing is divided into three areas: administration, fire operations, and lifeguard operations, due to the unique staffing and complex scheduling needs of the department. Additionally, there are seven different bargaining units, one compensation plan, and three employment contracts that have different benefits to manage for compliance when processing payroll every two weeks.

Just in time for the record-breaking wildfire season that began in late 2020, the division implemented a budget tracking methodology to monitor the cost of providing mutual aid. Fire personnel on deployment and those backfilling positions previously charged their hours to the department's general overtime budget. Now, these over-time hours are captured in a separate account to provide an accurate cost for the mutual aid provided to other jurisdictions.

After each wildfire incident, the division coordinates with the California Office of Emergency Services (Cal OES) for reimbursements associated with the cost of personnel, vehicles and apparatus, travel related expenses such as fuel, and a pre-calculated administrative surcharge. During the 2020 and 2021 fire seasons, the department expended slightly over \$1.2 million in overtime pay alone and is expected to receive \$1.8 million in reimbursement for the mutual aid support by our personnel and the related expenses.

The Nbfd was awarded two Federal Emergency Management Agency (FEMA) Assistance to Firefighters Grants for the purchase of self-contained breathing apparatus (SCBA) in 2020 and for vehicle exhaust systems at five fire stations in 2021. The grant awards are \$525,142 and \$274,900 respectively. The SCBA's were purchased and put into use in Spring 2021 and the vehicle exhaust systems are planned for installation in late 2022. The Administration Division coordinates the various aspects of the grants, from obtaining the City Council's approval to requesting and receiving the grant funds from FEMA, and ensuring compliance with the grants through reporting and audits.

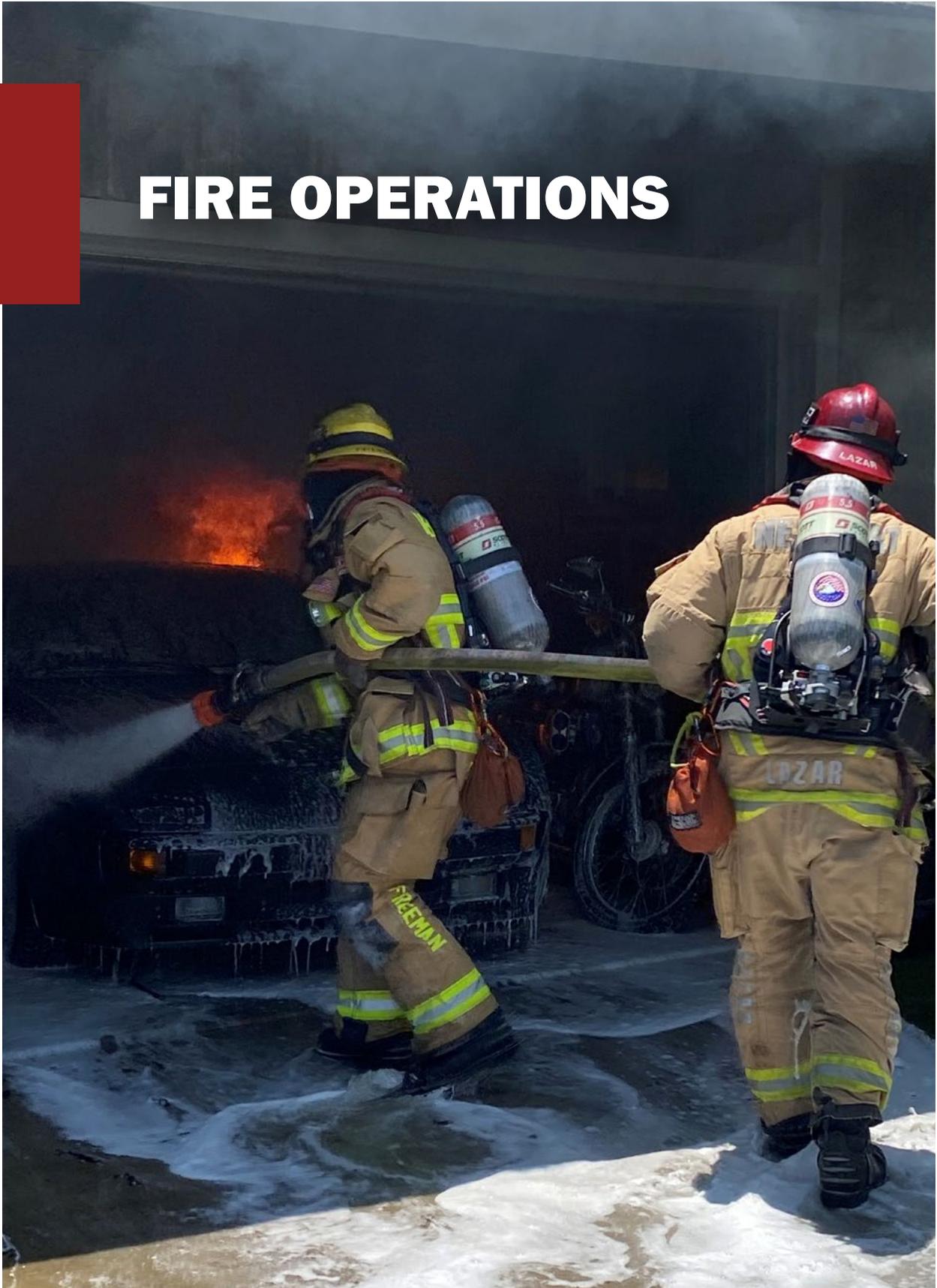
The Administration Division provides the backbone of support to ensure the department's ability to provide emergency medical services and transport. Every two years, the department's paramedics must renew their state and county licenses. Administration personnel ensures that each paramedic has completed the necessary in-house training (eight courses over the two-year period), keeping records of the training documentation, and assists with completing the renewal process for each paramedic. Another component is billing for the emergency services provided. For

fiscal year 2019-20, approximately \$4.4 million in user fees was collected and approximately \$4.6 million was received in fiscal year 2020-21. In addition to billing, the division ensures compliance with county, state and federal agencies, which includes significant reporting and working through the annual audit requirements.



**For 2020 and 2021
the anticipated
Cal OES Mutual Aid
Reimbursement
is \$1.8 million**

FIRE OPERATIONS



FIRE OPERATIONS



Assistant Chief of Fire Operations
Justin Carr

Fire Operations has 117 full-time personnel consisting of an assistant chief, battalion chiefs, captains, paramedics, engineers, and firefighters who proudly serve the residents and visitors of Newport Beach. Our public safety personnel strive to follow the department's operating principles of safety, service, professionalism. These principles guide us in our mission to deliver excellent customer service and ensure the community remains safe.

The Fire Operations Training Section helps ensure our personnel maintains a high level of expertise. The two assigned personnel—a battalion chief and a captain—develop and coordinate all aspects of in-house and external training for emergency operations while simultaneously developing and administering recruitments and promotional exams.

In 2020, through the help and coordination of the administration and operation teams, the department purchased several apparatus including two Type I engines, one Type III wildland engine, three rescue ambulances, a ladder truck and two command vehicles. Life safety equipment obtained includes 90 self-contained breathing apparatus with additional face pieces, voice amplifiers and adapters for inter-agency compatibility, upgraded hose nozzles for more effective firefighting, and equipment for the new Type III wildland engine, the first in the department's fleet, to meet the needs of wildland firefighting.

As COVID-19 dominated the headlines, crews adapted their tactics on medical aids to assure the safety of all involved. Mid-year civil unrest throughout the nation became a focus, with public safety personnel at a heightened awareness. In addition, the wildfire season devastated California with record losses. Our crews responded to assist the efforts and were deployed throughout the state from the Oregon border down to San Diego County.



ANNUAL APPARATUS RESPONSES

2019
24,249

2020
22,205

2021
24,636

2021 brought additional challenges regarding the care and transport of COVID-19 patients during each spike of the pandemic. Fire Operations personnel assisted with staffing and the management of the Central Net Huntington Beach Vaccination point of dispensing (POD) as well as the Orange County Fairgrounds Vaccination POD. Paramedics were instrumental in providing medical aid to the public while various Chiefs from Operations, as well as the EMS and Lifeguard divisions, provided oversight and management of the PODs. Just as the vaccination PODs were wrapping up, the wildfire season began. Our crews responded to several high-profile wildfires throughout the state including the Dixie (the second largest in California history), the Caldor, the River, and the Monument incidents. To finish the year, personnel are planning for the delivery of three new Pierce fire engines that will require learning and training on the new equipment.

The department staffs eight fire stations 24/7. The 117 safety personnel are assigned to one of three shifts to fill 38 positions each day. The stations are strategically located throughout the city to provide the quickest and most effective response to the areas served, with an average response time of less than five minutes. The personnel and front line apparatus assigned each shift are reflected on the following two pages.





Balboa Peninsula STATION 1

110 E. Balboa Boulevard

Apparatus	Personnel
1 Engine	1 Captain
1 Surge Ambulance	1 Engineer
	1 Firefighter-Paramedic



Lido STATION 2

475 32nd Street

Apparatus	Personnel
1 Engine	2 Captains
1 Ambulance	2 Engineers
1 Truck	3 Firefighter-Paramedics
	1 Firefighter-Tiller



Fashion Island STATION 3

868 Santa Barbara Drive

Apparatus	Personnel
1 Battalion	1 Battalion Chief
1 Engine	2 Captains
1 Ambulance	2 Engineers
1 Truck	3 Firefighter-Paramedics
1 Surge Ambulance	1 Firefighter Tiller
	1 Firefighter



Balboa Island STATION 4

124 Marine Avenue

Apparatus	Personnel
1 Engine	1 Captain
	1 Engineer
	1 Firefighter-Paramedic



Corona del Mar STATION 5

410 Marigold Avenue

Apparatus	Personnel
1 Engine	1 Captain
1 Ambulance	1 Engineer
	3 Firefighter-Paramedics



Mariners STATION 6

1348 Irvine Avenue

Apparatus	Personnel
1 Engine	1 Captain
1 OES Engine	1 Engineer
	1 Firefighter-Paramedic



Santa Ana Heights STATION 7

20401 Acacia Street

Apparatus	Personnel
1 Engine	1 Captain
	1 Engineer
	1 Firefighter-Paramedic

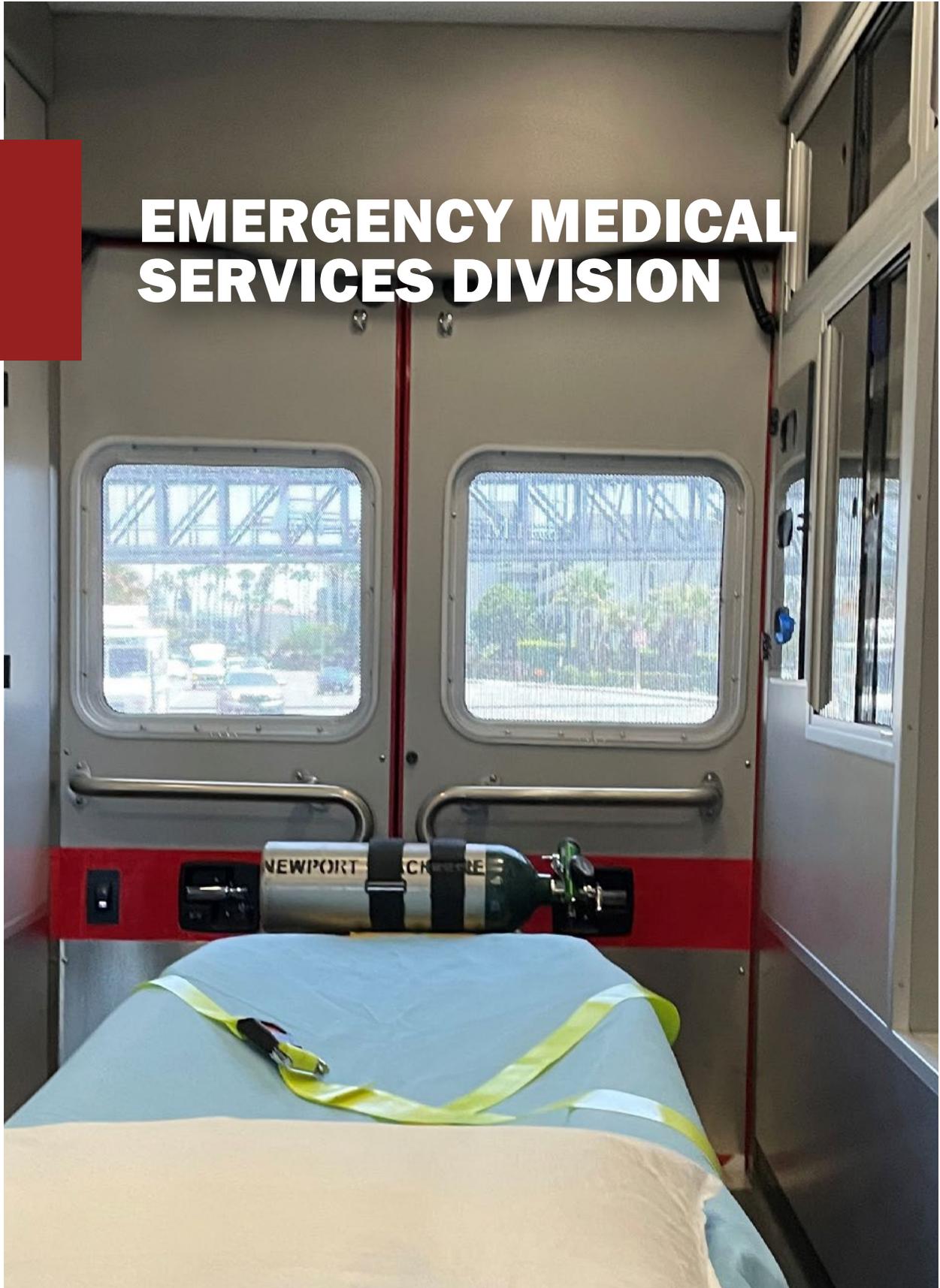


Newport Coast STATION 8

6502 Ridge Park Road

Apparatus	Personnel
1 Engine	1 Captain
	1 Engineer
	1 Firefighter-Paramedic

EMERGENCY MEDICAL SERVICES DIVISION



EMERGENCY MEDICAL SERVICES DIVISION



EMS Division Chief
Kristin Thompson

The Emergency Medical Services (EMS) Division includes the EMS Division Chief, an EMS Captain, and contract services provided by a medical director and an EMS nurse educator. There is an internal EMS Committee comprised of seven firefighter/paramedics and two firefighter EMTs. The EMS Division is responsible for the oversight and coordination of all EMS-related functions by the fire and lifeguard personnel.

Nearly 80 percent of the Newport Beach Fire Department’s emergency responses include a medical aid component. Our personnel are prepared to respond to these medical incidents by providing a timely response, conducting thorough and accurate medical evaluations, and applying treatment with appropriate interventions. Support is further provided by the procurement and management of top-of-the-line medical and transport equipment and vehicles.

Every day, three frontline ambulances are staffed with two licensed firefighter/paramedics and equipped to transport patients of any acuity level to the appropriate hospital. The Nbfd also deploys two surge ambulances as needed, one staffed with a firefighter EMT and the second staffed with a firefighter EMT and firefighter/paramedic team.



ANNUAL TRANSPORTS

	2020	2021
ALS Medic Transports	4,229	4,995
BLS Medic Transports	1,769	1,835
Surge Ambulance Transports	147	177

The division is responsible for the quality assurance (QA) of the care delivered to every patient and measuring key EMS clinical performance indicators and skills. The Nbfd continually meets and exceeds the state and national benchmarks, even during the challenging times of a pandemic. In addition to these continuous QA processes, an in-depth analysis is conducted on all patients who suffer a cardiac arrest. The analysis includes a review of the appropriate care and interventions performed and personnel is provided educational feedback and the patients outcome. We submit key data points on all our cardiac arrests, approximately 140 a year, to the Cardiac Arrest Registry to Enhance Survival (CARES). Through our partnership with Hoag Hospital, patient outcome data is also

In 2020 and 2021, 265 sudden cardiac arrest patients were treated by the NBFD.

provided to CARES. This measures how patients are cared for in the field and their disposition from the hospital. Our response to patients in cardiac arrest are benchmarked against state and national standards.

Patients with strokes, myocardial infarction, and traumatic injuries require rapid Advanced Life Support (ALS) assessments, interventions, and transport to specialty centers. This is essential to patient survivability and the best opportunity for a positive outcome. NBFD successfully recognizes and appropriately cares for these patients in the dynamic environment of the pre-hospital setting. The NBFD's EMS Division fosters an integrated and collaborative approach with our area hospitals, Trauma, Stroke, and ST-elevation myocardial infarction (STEMI) Specialty Receiving Centers, Base Hospitals, and our local EMS agency to continually provide quality care for the injured and ill.

TYPE OF TRANSPORT

	2019	2020	2021
Trauma Patients to Specialty Trauma Receiving Center	141	138	234
Stroke Patients to Specialty Stroke Receiving Center	164	138	130
STEMI Patients to Specialty Cardiac Receiving Center	13	20	26

TOP 5 EMS DISPATCHES

	2020	2021
Falls	1,229	1,335
Sick (Unknown)/Other	1,086	1,187
Unconscious/Unresponsive/Syncope	1,004	1,152
Breathing Difficulty	595	686
Chest Discomfort/Hearth Problems	542	652
Total EMS Dispatches	8,020	9,038

The division is responsible for overseeing the department's occupational health and wellness programs to ensure our fire and lifeguard personnel are performing at their best. Firefighting is a hazardous profession that requires extraordinary mental and physical fitness and training to mitigate the potential negative health impacts. Maintaining the safety, health and wellness of our personnel is key to their performance in the field. A few of the occupational health hazards firefighters face

includes a higher rate of certain types of cancers due to exposure to toxic products during combustion; routine exposure to severe stressors at critical incidents; higher rates of depression and suicide; and a higher number of cardiac events compared to the general population. They also risk exposure to contagious diseases, including COVID-19, on a routine basis. The Nbfd supports the physical health and wellness of our fire and lifeguard personnel to reduce the number and severity of injuries, illnesses, and exposures and to reduce the costs associated with on-duty injuries and illnesses.

NBFD OCCUPATIONAL MENTAL, PHYSICAL AND SAFETY PROGRAMS:

- Completed annual physicals safely during COVID-19 and in compliance with National Firefighter Protection Association 1582 Standards.
- Regular trainings and education on mental and physical health, injury prevention, exposures, communicable diseases, and physical fitness.
- Internal Safety Committee to review protocols, prevention, identify trends, and reduce accidents, occupational injuries, and illness.
- Training and utilization of cancer mitigation best practices from the Orange County Fire Cancer Prevention Policy and Procedures Annex.
- Well-trained internal Peer Support team consisting of 14 firefighters and 12 lifeguards.
- Contract with behavioral health clinicians specifically trained to support our fire and lifeguard personnel.
- Participation in safety stand-downs for mental health, suicide prevention, cancer mitigation and other health, wellness and safety issues facing the fire service.
- Support provided to each firefighter and lifeguard exposed, quarantined, isolated, or positive, ill or hospitalized and returned to work during the pandemic.
- Management of Cal-OSHA required exposure reporting, fit testing, and vaccine requirements.



MAJOR EMS DIVISION ACCOMPLISHMENTS IN 2020 AND 2021:

- Lead on Orange County Fire Chiefs Cancer Prevention Fire Annex.
- Helped develop a State Fire Training Cadre for Behavioral Health and Cancer Training curriculum.
- Appointment of the EMS Division Chief to the State EMS Commission.
- Lead coordinator for mutual aid peer support to LA County Fire following the Agua Dulce Station shooting.
- Provided firefighter and lifeguard mutual aid peer support response to other major incidents within the county and neighboring counties.
- Purchased three ambulances, all with gurney autoloaders, which are a device to reduce back injuries for our personnel.
- Finished converting all engines from Basic Life Support (BLS) to Advanced Life Support (ALS). Now, all eight engines serving the city have a firefighter/paramedic on board along with the necessary equipment and supplies to perform ALS services.
- Participated in Cardiac Arrest Registry to Enhance Survival (CARES), which is a database to measure cardiac arrest outcome data against state and national performance indicators.
- Integrated station supply ordering using iPads and implemented a narcotic tracking program to minimize waste and overstock.
- Placed Narcan and EpiPens on EMT staffed BLS trucks and lifeguard trucks.
- Completed Handtevy Pediatric training for acutely ill and injured pediatric patients.
- Completed ACLS, PALS and Advanced Airway Training.
- Conducted the first paramedic-level EMS academy in Nbfd history in 2020 and a second one in 2021, to train and evaluate newly hired paramedics.
- Hosted a flu vaccination clinic and provided vaccinations to slightly over 100 City of Newport Beach employees in 2021.
- Lead on medical aspects of the SARS-COV-2 pandemic.





FIRE PREVENTION DIVISION

FIRE PREVENTION DIVISION



Fire Marshal
Kevin Bass

The Fire Prevention Division includes the fire marshal, four full-time life safety specialists, and a part-time life safety specialist.

During 2020 and 2021, Fire Prevention staff increased its focus on the Wildland Urban Interface Areas within the city. Staff conducted annual vegetation inspections in the Buck Gully and Morning Canyon areas, previously these inspections were performed on alternating years. In addition to inspectors on the ground, the City’s Information Technology Division supported Fire Prevention’s efforts with the use of drone video and photography to inspect areas that are difficult to access.

Along with the increased wildland inspections, the division launched its Ready, Set, Go! program, rewrote a new fire code and an ordinance for the false alarm program for City Council’s adoption, and targeted Buck Gully and other areas for wildland fuel reductions. The Fire Prevention staff stepped up to manage and mitigate mandated building safety inspections, plan check services, and development project reviews while working in a restricted atmosphere.

The division also researches factors that may have led to the origin of a fire. Data collected from fire investigations can enhance inspection procedures, public education programs, and fire suppression activities.



FIRE PREVENTION ACTIVITIES

	2020	2021
Annual Inspections	1,522	2,059
New Construction Inspections	1,059	1,420
Plan Reviews	514	522
Wildland Inspections	324	324
Notices Issued	63	22
Notices Cleared	63	21



LIFEGUARD OPERATIONS DIVISION

LIFEGUARD OPERATIONS DIVISION



Assistant Chief Lifeguard Operations
Mike Halphide

The Lifeguard Operations Division includes a lifeguard chief, battalion chiefs, captains, part-time lifeguard officers, a department assistant, a part-time recreation coordinator, and seasonal ocean lifeguards. A key component of ocean lifeguarding is to proactively engage with beach goers using preventative interactions to help them avoid injuries and life-threatening situations. Through education about hazards such as rip currents, lifeguards try to avert incidents before they begin. The division is flexible and able to address the various needs of the community with its seasonal staff. Those who are available to work outside of the summer season have been assigned a variety of new and unexpected duties the last two years.

Like other agencies, Lifeguard Operations faced challenges in dealing with COVID-19 including multiple beach and water closures, as well as adapting to the enforcement of a state mandated “active use only” beach environment. Additionally,

with the warmer weather and reduced recreational opportunities due to COVID-19, beach crowds and lifeguard activity increased in 2020 compared to 2019.

2020 and 2021 had a combined total of 176,432 preventative actions and 5,497 rescues

LIFEGUARD OPERATIONS ANNUAL TOTALS

Annual Totals	2019	2020	2021
Estimated Beach Population	7,749,250	8,049,000	6,494,501
Call Volume	131,167	198,336	175,421

During 2020, and increasing through early 2021, the City received multiple complaints about unsafe activity at the Lido Island Bridge and the 38th Street Newport Island Bridge. Based on community needs, responsive staffing was applied using a hybrid of CERT volunteers and lifeguard cadets to deter the unsafe behavior at these two area bridges during the summers. Personnel staffed at these primary locations engaged in a number of code enforcements and public contacts. This led to an annual increase in public engagements during the busy summer months.

BRIDGE WARNINGS

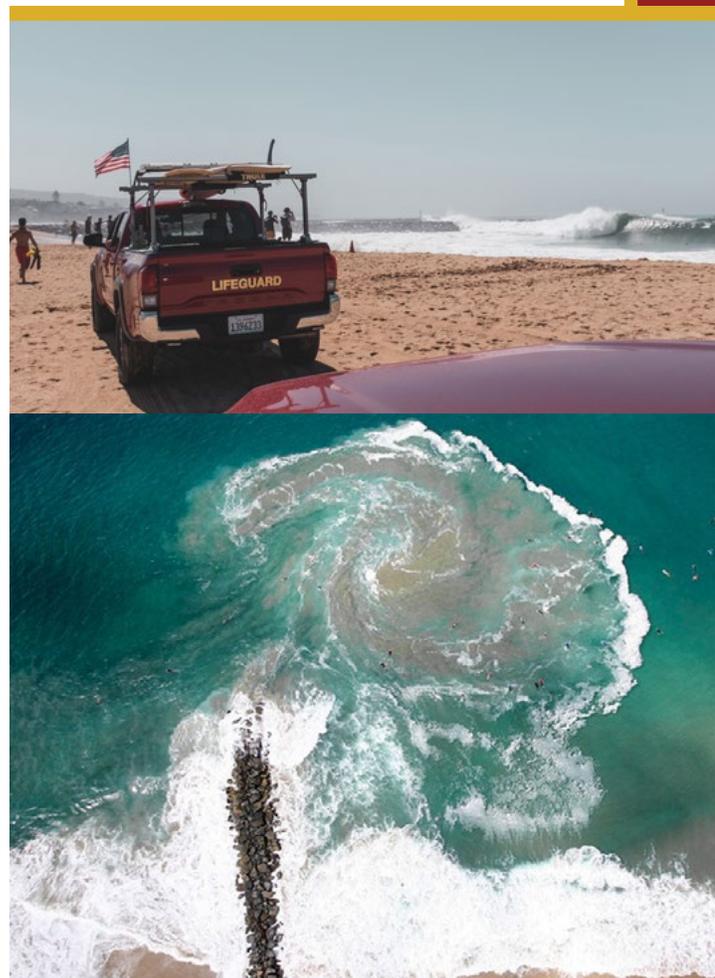
Location	2020 June 1 to Sept. 15		2021 June 1 to Sept. 15	
	Code Enforcements	Public Contacts	Code Enforcements	Public Contacts
Lido Island Bridge	693	408	230	753
38th Street	12	N/A	547	2617
Newport Island Bridge				

While summer is always a dynamic time for lifeguard operations, Summer 2020 presented unique challenges in keeping beachgoers safe while providing the highest quality customer service.

In the Summer of 2021, there were fewer COVID-19 beach restrictions and many entertainment facilities were still closed. The Lifeguard Division prepared for a busy summer season by increasing staffing levels to meet the demand of beachgoers and visitors enjoying the city’s shoreline and beachfront.

Not long after the summer season ended, the Nbfd partnered with the Huntington Beach Fire Department and paramedic training school OC-EMT to provide a part time paramedic training course. To qualify for this pilot program, lifeguards were required to have a current Emergency Medical Technician certification and a completed State Fire Marshal Accredited fire academy. The department conducted an application and interview process and selected five seasonal lifeguards to attend.

The program began on November 3, 2021, at the Central Net Training Center in Huntington Beach. The students will return to Newport Beach for the field internship portion of the program for hands-on learning alongside our fire personnel. The entire program is scheduled for completion in October 2022, which includes the classroom instruction, clinical rotation, and the field internship. Attendance in the program is paid by the students, who receive a reduced tuition rate and the added benefit of Nbfd personnel supporting them and their learning.



COMMUNITY PROGRAMS



COMMUNITY PROGRAMS

JUNIOR LIFEGUARD PROGRAM

The Newport Beach Junior Lifeguard (NBJG) Program operates annually for seven weeks from late June through early August. The Program celebrated its 37 year anniversary in 2021. Beginning every March, interested youth are required to pass a swim test to be eligible for the program, which regularly consists of 1,350 participants between the ages of nine to 15 years old.

Planning was underway for program enrollment to be a record year after nearly 1,500 youth passed the March 2020 swim test. The week after the final swim test, the statewide stay-at-home order was issued and the future of the 2020 NBJG Program was in question. After three months in limbo, contingency planning, and protocol adaptation, it was determined the program could run safely with major modifications. Newport Beach was the first Junior Lifeguard Program in Orange County to offer the 2020 summer program.

To accommodate the necessary COVID-19 safety protocols, staff restructured the program by spreading out across the eight miles of beaches. The oldest age group (ages 14 and 15) engaged in the full, seven-week program at the Newport Pier from June 23 through August 6. These 123 participants ran over 80 miles on land and swam over 20 miles in the ocean.

The younger age groups (ages 9 to 13) participated in a shorter five-week program from July 14 through August 13. These 1,053 participants were split between the NBJG Headquarters location near the Balboa Pier and at Marina Park, thanks to the City's Recreation & Senior Services Department. These participants developed their water skills and ocean confidence, which equipped them to have a safe and educational experience. The 2020 program was a huge success and there were no COVID-19 related health impacts.



Following the program, numerous NBJG families expressed appreciation to the lifeguards, the department, and City leadership for holding the program under the challenging circumstances.

In March 2021, staff adapted again by implementing a reservation process for the mandatory swim test that met COVID-19 protocols. Over the course of the four swim test dates, 1,900 swim tests were conducted, breaking another program record.

In preparation for the Summer 2021 NBJG Program, registration and uniform pick-up were reorganized to abide by the changing COVID-19 procedures. With these new measures and approaches in place, the 2021 Program kicked off with a record 1,645 participants. This resulted in additional adjustments for increased instructors to ensure the program ran safely and efficiently.

As COVID-19 restrictions reduced, the program returned to its long-standing locations at Balboa Pier and Newport Pier. The adjusted protocols allowed for the return of several events such as the regionals competition, junior lifeguard open house, and the much-anticipated Monster Mile, during which junior lifeguards compete to run a mile and swim a mile.

While some activities were modified to accommodate evolving COVID-19 safety protocols, the energy and excitement were high as junior lifeguards participated in a more normal summer schedule. Special recognition goes to the lifeguard instructors and group leaders who shaped 2020 and 2021 to be safe and successful summers for these participants.



■ FIRE EXPLORER PROGRAM

The Nbfd's Fire Explorer program is designed for participants who are 15 to 20 years of age and are interested in learning what it takes to have a career within the fire or emergency services field. Participants learn a variety of hands-on skills during the weekly program. They work directly with our personnel, conducting many of the same drills performed in an actual fire academy. The benefits of the program include an improved self-confidence, leadership experience, community service opportunities, and preparation for college-level fire and emergency services classes.



To learn more about the Fire Explorer program, contact the Nbfd at fireexplorers@nbfd.net.

■ FIRE MEDIC PROGRAM

The Fire Medic subscription program is a voluntary program that protects members from the unexpected cost of receiving paramedic services and emergency ambulance transportation. Newport Beach residents and businesses with 150 employees or less are eligible for membership for an annual base fee starting at \$60. Non-members are billed for the full cost of paramedic assistance and transportation, which could be up to \$1,800 per transport. Fire Medic members do not pay out of pocket for any remaining balance after their insurance pays.

To subscribe to the Fire Medic program, visit newportbeachca.gov/firemedics or call **949-644-3383**.

ANNUAL TOTAL

	2020	2021
Fire Medic Members	4,741	4,700
Member Trips	1,535	1,157
Members Out of Pocket Savings	\$254,558	\$197,896



■ COMMUNITY EMERGENCY RESPONSE TEAM (CERT)

The Newport Beach Fire Department’s Community Emergency Response Team (CERT) Program is designed to prepare individuals to help themselves, their family, and their neighbors in the event of a catastrophic disaster. The skills learned are important when faced with a disaster, because emergency responders will not be able to help everyone immediately.



CERT is about readiness, people helping people, rescuer safety, and doing the greatest good for the greatest number of people. Through the training provided by on-duty fire and lifeguard personnel, community members learn life-saving skills from basic medical aid to search and rescue techniques.



Due to the limitations of public gatherings, the 2020 CERT program was reimagined and provided through a virtual platform for participants to complete the required coursework and training. In May of 2021, the hands-on drill was conducted, and the participants became official members of the Nbfd CERT volunteer program.

Nbfd CERT volunteers are an important asset to the department and the City of Newport Beach. They often volunteer their time to assist in a broad array of areas to support community programs, events and keeping a sharp eye for any sign of trouble. A few of the ways CERT volunteers assisted the department in 2020 and 2021 are listed below.

Fire Service Day

The Newport Beach Fire Department and the Newport Beach Firefighters Association host an annual Fire Service Day in October. It is a free, community event that coincides with National Fire Prevention Week. The event provides the public with an opportunity to learn more about fire safety and view live demonstrations of vehicle extrications and fire scenarios. CERT volunteers were on hand to assist community members and speak to visitors about the CERT program. While the pandemic did not allow events in 2020, the department was eager to reconnect with the community in October 2021. Members of the department from all divisions participated to ensure the community enjoyed the day.



Fire Watch

OC Firewatch is a countywide program that incorporates trained fire watch volunteers to monitor the County’s wilderness park areas, which are especially vulnerable to fire during red flag conditions. These extreme conditions increase the chance for wildfires due to strong winds accompanied by low humidity levels and higher temperatures. The Laguna Coast Wilderness Park is highly used by outdoor enthusiasts. In Newport Beach, the Pacific Ridge Trailhead is routinely staffed by OC Firewatch volunteers to educate park visitors of the conditions and to be on watch to alert first responders should



the need arise. These volunteers are imperative to our mission in being proactive with warnings and early response. We experienced red flag fire conditions on Thanksgiving 2021. Five CERT members volunteered their time on Thanksgiving day to keep a watchful eye out for any plumes of smoke and immediately report any signs of fire. Multiple air resources (OCFA helicopters) for quick visual recon, fire engines from multiple agencies, and a Chinook helicopter (capable of dropping 3,000 gallons of water) were on standby if needed.



Community Participation

The NBFD actively participates in events throughout our community.

In October, CERT supported two Trunk-or-Treat events hosted by the City's Recreation and Senior Services Department and the Police Department. Approximately 20 pounds of candy was handed out to the costumed crowds.

In December, NBFD members participated in the Corona del Mar Christmas Walk. CERT volunteers gave out information and encouraged disaster preparedness.

Local WWII Orange County veterans attended the 80th Anniversary Commemoration of Pearl Harbor in Hawaii from December 4 through the 8, 2021. It was likely the last large gathering of its kind for our WWII veterans. NBFD's Captain Hutzler helped to organize a walk-of-honor for the veterans by inviting local law enforcement and first responders to pay respects to the wartime heroes as they left for their trip from John Wayne Airport.

During the National Reading Week event, crews from the NBFD participated in Firefighter Story Time in our local schools.

In support of National Walk to School event, crews visited Newport Coast Elementary School to encourage children walking to school.

Crews routinely visit local schools to support fire and safety education in our community. The children love to see the firefighters and their fire apparatus. Due to COVID-19, we were restricted from visiting schools in 2020 and limited in 2021. **We are looking forward to getting out in the community more in 2022.**

■ READY, SET, GO!

The Newport Beach Fire Department takes every precaution to help protect our residents and our community from wildfire. If a major wildfire occurred, public safety resources would be severely strained, and firefighters will not be able to respond to every call for service. The Nbfd adopted the nationwide Ready, Set, Go! program in 2020. This program is designed to teach community members how to prepare for a fire, what to do when a fire breaks out, and when to leave your property to get out of harm's way to allow firefighters access.

In person public outreach and education on this important program has been on hold due to COVID-19. The Nbfd recommends reading and reviewing the program information with family members to be prepared for a disaster or emergency. Ready, Set, Go! information is available on the City's website at newportbeachca.gov/readyssetgo.

■ WILDLAND INSPECTIONS

Protecting the community from wildland fires is an ongoing effort by our personnel. Wildland inspections are performed to ensure private property owners are following established guidelines to minimize damage should a wildland fire occur. Below are three notable inspections performed by the Fire Prevention Division.



Provide a good separation of vegetation

"Ladder fuel," or dead vegetation should be removed to reduce the chance of a low-lying grass fire from climbing up to the crown of a tree. Crown fires are difficult to extinguish and usually require support from aircraft to suppress.



Hazard reduction in Buck Gully

Dead and dying plant material in low-lying vegetation on the top of a slope should be removed by homeowners. Vegetation on the slope should be low in height and have clear space between each of the bushes 100 feet out from the structure. There should be a non-combustible zone within five feet of the structure. This protects against direct flame impingement and ember casting.



Hazard reduction in Big Canyon Park

This property owner cleared weeds including dead and dying vegetation 100 feet out from the structure. Provided clear separation between bushes, shrubs, and trees to stop fire flames from transferring into the home or community.

For more information about wildland hazard reduction requirements, the Nbfd's Guideline G.01 is available on the City's website at newportbeachca.gov/nbfdguidelines.



TRAINING

TRAINING



Training Battalion Chief
Nic Lucas 2019-2021



Training Battalion Chief
Phil Puhek 2021-2023

For the Nbfd, conducting ongoing training is essential to build and maintain skills and qualifications for our personnel in Fire Operations, EMS, and Lifeguard Operations. Maintaining familiarity with equipment and learning the use of new tools allows for growth and constant improvement so we are ready to respond to any call for service. It is important to review and find room for improvement after every call, including calls that are well executed. COVID-19 required the department to adapt while still maintaining the same high caliber standards in safety, service, and professionalism.

■ FIRE OPERATIONS TRAINING SECTION

Fire Operations conducted a variety of drills throughout 2020 and 2021 including fire control, vent enter isolate search, a multi-agency high rise drill, search and rescue, auto extrication, wildland, ropes rescue, hose evolutions, large volume water exercises, chainsaw operations, ladder rescues, and ventilation operation.

In 2020, fire engineers trained on a variety of skills, including truck operations, pumping operations, Office of Emergency Services (OES) Type 1 engine operations, and power tools such as extrication equipment. New Bendix King radios were installed in the department's strike team engines, which allow our personnel to communicate with out-of-county agencies while deployed. Training was conducted to ensure seamless communications during a strike team incident. A residential search and rescue class was held at the Fire Station 7 training tower in February 2020 with instructors from the Stockton Fire Department. This training included forced entry on various door props, window breach, victim removal through windows, and vent enter isolate search.

Crews from Station 3 put on a high angle drill at the Bonita Canyon Bridge in November 2020. They performed a rescue with the stokes basket utilizing the aerial ladder. This drill is a simulated rescue off an elevated position to a subgrade incident with a rescuer attending. This is a low frequency, high risk evolution, which is why it's so important to practice. This could simulate a person going off a bridge, a cliff, a ravine, culvert or any similar situation. They also put the new Aztek rope rescue equipment through its paces.



Several Newport Beach Firefighters attended the Camp Pendleton Fire School in June 2021, which was held at the Marine Base. Newport Beach and other Southern California fire agencies attended. Attending personnel had the opportunity to practice wildland firefighting techniques during live fire training events. When crews attend external training, they return with the skills to share with the rest of the NBFD personnel.

Live fire training exercises were conducted for the entire department in June 2021. The exercises focused on forceable entry, hose management and advancing, search techniques, reading fire conditions, ventilation and flow path, air management, and the incident command system.

ROOKIE ACADEMY

In early March 2020, the NBFD hired nine probationary firefighter/paramedics to start an eight week internal rookie academy. This was the first time the department hired firefighter/paramedics. Significant preplanning went into the academy to develop the course curriculum, testing requirements, skill sheets, assigning instructors, and providing the overall course instruction. After the academy, additional key training points included fire prevention, wildland fire attack, community disaster preparedness, and public information officer training. The rookies were then assigned to the floor for intensive learning and training. A six-month firefighter test was completed in September 2020 over the course of two days. This included a written exam, two-minute drills, self-contained breathing apparatus skills, chainsaw, ropes, ladders, 800 Megahertz and BK radio operations, EMT skills, and scenario-based hose evolutions. From there, the rookies started to ride alongside NBFD paramedics in the medic vans to develop their EMS skills. A one-year test was held to review all that they had learned during their probationary period.

In April 2021, a second group of probationary firefighter/paramedics began with two participants. They have been working through the same year-long process and are scheduled for final testing in April 2022.

The training section have been busy developing an upcoming rookie academy for firefighters and paramedics completing the hiring process. The academy is scheduled to begin in March 2022 and their year-long probation will end in early 2023.





■ EMS TRAINING

The EMS Division manages all state and county required skills and education for EMT and Paramedic licensing and accreditations. Being a state-approved EMT Certifying Entity and Continuing Education (CE) Provider, the department can provide annual EMS trainings on-duty and EMT recertifications in-house. Over the course of the two-year cycle, 137 EMT recertifications were completed for fire and lifeguard personnel. In 2020 and 2021, a total of 47 EMS class topics were conducted providing up to 66 individual CE hours to 137 personnel, totaling over 9,000 EMS training hours.

In 2020, Nbfd hired firefighters who were already state-licensed paramedics for the first time in department history. Additional firefighter/paramedics were hired in 2021. This necessitated extensive in-house EMS paramedic academies and evaluation periods, ensuring the new hires provide quality patient care and customer service to the community. The Division also sponsored three internal EMT firefighters to attend full-time paramedic school, two attending in 2020 and one in 2021, who graduated and joined the paramedic ranks.

Nbfd contracts with a nurse educator and medical director to support fire and lifeguard EMT and paramedic EMS training efforts and ensure our personnel are provided up-to-date, high quality EMS education, protocols, equipment, and skills training.

EMS related classes provided by Nbfd included:

- Hosted Basic and Advanced Peer Support training, which was attended by various Southern California fire, police, sheriff, and lifeguard agencies as well as Nbfd personnel.
- A train-the-trainer course on pediatric prehospital care was provided by Handtevy. The attendees are now certified instructors to provide the training to other personnel in the department.
- High-performance adult cardiac arrest training for fire and lifeguards.
- Advanced cardiovascular life support (ACLS), pediatric advanced life support (PALS), and Advanced Airway training.
- Junior Lifeguard instructor training on pediatric emergencies.
- Safety, health, and wellness trainings were provided covering topics on behavioral health, cancer awareness and prevention, and communicable diseases.
- Provided multiple classes on COVID-19 related topics including up to date disease education, best practices, disinfection practices, COVID-19 in the wildland urban interface and strike team environments, and COVID-19 testing and vaccination procedures.
- Though challenging during the pandemic, the EMS academies and annual continuing education and skills classes were held while ensuring the safety of our personnel and the trainers.

LIFEGUARD OPERATIONS TRAINING

2020 brought the need for a new approach to the annual lifeguard training. New online learning tools were developed to support training for the Basic Lifeguard Academy candidates and the recertification training for the returning seasonal lifeguards.

For skills that require hands-on training, a socially distanced, well-ventilated classroom setting was developed. The number of training dates increased to accommodate lower enrollment for each training session. All full-time lifeguards were successfully certified as rescue boat operators, and a partnership was developed with the City's Harbor Department to assist with calls during winter storm events.

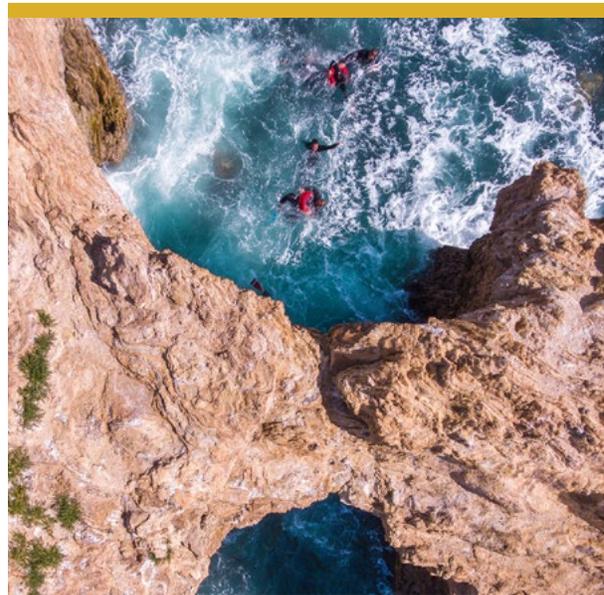
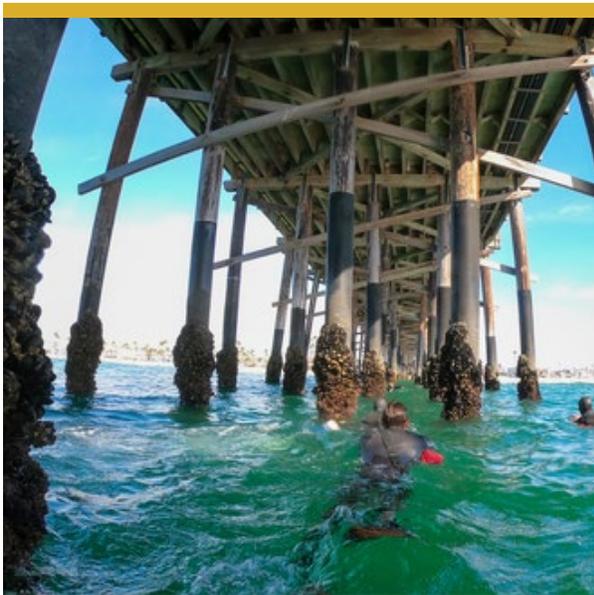
During 2021, over 2,000 training hours were provided for seasonal lifeguards with online and in-person training under strict COVID-19 restrictions. This includes a 1,000-meter swim to be completed within 20 minutes during the morning of a recertification class. This swim typically took place at the Newport Harbor High School pool; however, in 2021 many of the earlier recertification classes completed the swim in the ocean, mimicking the course for lifeguard tryouts from the Newport Pier to 28th Street.

On March 3, 2021, a sand entrapment training session was conducted. It included a review of a real sand entrapment incident from 2011, a lessons learned exercise, a tabletop scenario, and a live scenario using a manikin buried six feet deep in the sand.

In the end, 20 new lifeguards were trained and hired, 179 lifeguards were recertified, and 86 completed unit operator recertification to ensure the Lifeguard Division was prepared for summer.



Lifeguard Training Captain
Mike Ure 2021-2022





COVID-19

COVID-19

The COVID-19 pandemic created new obstacles that required innovation and teamwork throughout the entire department. Like every other fire agency, COVID became a major focus for the Nbfd in early 2020 and the department innovatively met the unprecedented and ever-changing demands of the crisis.

As the March 2020 Shelter in Place Orders called for businesses to close and working from home became the norm, Nbfd personnel continued to provide excellent service to the community. The day-to-day emergency operations did not stop. The City opened its Emergency Operations Center (EOC) on March 15, 2020 with Chief Boyles serving as the Incident Commander (IC) and personnel from each City department participating and providing leadership to fulfill critical roles in the EOC. Chief Lifeguard Halphide served as the EOC's Planning Chief and personally prepared 28 daily incident action plans.

In addition to our fire and lifeguards meeting their operational responses during COVID-19, administration personnel continued to support the department by ensuring purchases for needed but scarce supplies were made, paychecks were processed, and immediate budget reductions were met. Prevention personnel continued to conduct plan check services through contactless drop offs, performed virtual inspection services, and took on the additional load of annual business inspections, which are normally handled by Nbfd engine companies.

The early stages of COVID-19 created a supply shortage of every type of personal protective equipment (PPE) and disinfecting supplies at one time or another. The EMS Division worked tirelessly to secure the scarce but vital gloves, masks, gowns, glasses, additional medical supplies, and equipment to ensure both our personnel and the community we serve were safe. The department also acquired multiple forms of difficult to find decontamination equipment to ensure safe and efficient cleaning and disinfection of apparatuses and stations.





In mid-2020, EMS Division Chief Thompson was the first EMS manager in the county to apply for state licensure with the California Department of Public Health (CDPH) and the Centers for Medicare and Medicaid for the Nbfd to serve as its own laboratory. As COVID-19 cases were spiking in 2020, new California Occupational Safety and Health Administration (Cal OSHA) mandates required employers to offer worksite outbreak testing to employees. With the laboratory license secured, the Nbfd procured free COVID-19 testing supplies from the County and conducted testing for our fellow City employees.

Between November 2020 and December 2021, 367 employees were tested at 28 clinic days by on-duty Nbfd fire and lifeguard personnel. If this testing had been referred to an outside medical clinic, it is estimated that the City would have paid over \$91,750 for test processing alone. The additional cost of clinic staff would have increased this cost significantly. The Nbfd was the only fire department in the County, and part of only a few in the state, who conduct regular and ongoing worksite outbreak testing in compliance with Cal OSHA requirements.

In late December 2020, a collective partnership called Operation Independence was formed with the initial goal of vaccinating all eligible Orange County residents, approximately three-million people, by July 4, 2021. The partnership included members of the Nbfd, Orange County Public Health Care Agency (OPHCA), and Orange County fire agencies including the Orange County Fire Authority, Laguna Beach Fire Department, Huntington Beach Fire Department, Costa Mesa Fire Department, Fountain Valley Fire Department, Anaheim Fire and Rescue, the Brea and Fullerton Fire Department, and multiple Orange County lifeguard agencies. Under Operation Independence, these agencies prepared for the distribution of COVID-19 vaccines per the CDPH and OPHCA approved distribution phases and tiers.

In Orange County, three fire training facilities were designated to stand up the first points of dispensing (PODs) to begin vaccinations for Tier 1-Phase 1A, which included first responders. The Nbfd, both safety and non-safety personnel from administration and prevention, were assigned to the Central Network (CNET) POD facility in Huntington Beach. The Nbfd worked alongside a first-rate team comprised of fire department personnel from Huntington Beach, Costa Mesa, Laguna Beach, and Fountain Valley.

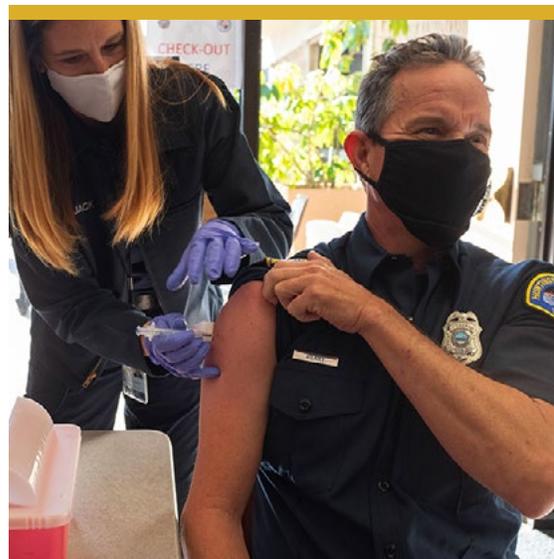
The Nbfd was instrumental in bringing in seasonal lifeguards to staff critical positions at the CNET POD. This was the only POD site in Orange County to utilize this unique workforce. Over 200 Orange County lifeguards from the Nbfd, Laguna Beach, Huntington Beach, San Clemente City, Lake Mission Viejo, Orange County Lifeguards, Seal Beach agencies and California State Lifeguards from Bolsa Chica, Huntington Beach, Crystal Cove and San Clemente provided staffing.



During what was possibly the most critical phase of the pandemic, and with cases spiking, this dynamic team developed new and innovative POD processes every day to safely provide vaccinations to thousands of people. Nbfd personnel, led by EMS Division Chief Thompson, Chief Lifeguard Halphide, and Administrative Manager Locey, assisted with the overall management, staffing, training, and logistical needs of the CNET POD site.

Some of the POD undertakings included developing daily staffing plans, training and oversight of staff, patient registration processes, vaccine tracking and recordkeeping, vaccine storage, handling and “no-waste” protocols, parking and crowd control, on-going software updates for entering vaccine records, staff and patient protection from the environment, ensuring those who wanted to be vaccinated met the criteria, post-vaccine monitoring processes, supply acquisitions, and flow patterns to accommodate a diverse population coming through the CNET POD. Many of these same best practices and procedures learned at the CNET POD would translate over to the County’s Super PODs.

Previously, administering vaccinations was not within the state’s scope of practice for EMTs and paramedics. Due to the unprecedented times, the state granted approval for these professionals to give vaccinations. The EMS Division provided training to paramedics and lifeguard EMTs on the safe administration of the vaccines while monitoring the complex and ever-changing checklist of who was eligible for vaccination. This was the first site in the county, state, and nation to train and have EMT-certified lifeguards vaccinating the public. Nbfd firefighters, paramedics and lifeguards also provided critical post-vaccination observation and monitoring as well as vaccine and COVID-19 related education to members of the public who came to the CNET site.



The CNET POD was open for 17 days from Saturday, December 26, 2020, through January 17, 2021. A total of 75 Nbfd personnel from EMS, Fire Operations, Lifeguard Operations, Fire Administration, and Fire Prevention were deployed, working 12-to-15-hour shifts, to assist with providing 10,057 vaccinations. The process grew from vaccinating a few hundred patients a day to over 1,300 people daily. CNET held another 16 clinic days, providing an additional 1,400 doses, until the clinic closed in March of 2021. Of the three PODs held at fire training facilities, CNET remained open the longest.

When CNET closed, Nbfd Chief Officers and paramedics were reassigned to continue assisting in Operation Independence at Disneyland and the OC Fairgrounds Super PODs. The Orange County Fairgrounds Super POD was staffed by Nbfd personnel for 16, 10-to-12-hour days and the Disneyland site for six days over the course of a three-month period. At OC Fairgrounds Super POD site, Nbfd Chief Officers, on designated days, filled the positions of POD Director and Deputy Director and paramedics provided patient monitoring and ALS level care as needed while working alongside our neighboring fire agencies from Huntington Beach, Fountain Valley, and Costa Mesa.

COVID-19 VACCINATION SUPPORT

	Clinic Days	No. Doses Administered	Nbfd Personnel
Nbfd Clinics in Newport Beach	28	1,937	130
Hoag Clinic with Nbfd Partnership at OASIS Senior Center (approx. doses)	2	400	*32
Central Net POD in Huntington Beach	33	11,519	75
Disneyland and OC Fairgrounds	22	56,623	76
Total Vaccination Support	83	70,479	313

*City of Newport Beach Recreation and Senior Services Department staff assisted in supporting this clinic for its senior homebound population

As the Super PODs were winding down, the Nbfd started to host its own vaccination clinics in April of 2021. Through EMS Division Chief Thompson’s leadership, and the fact that the Nbfd was credentialed and licensed by the CDPH to receive, store, handle, and administer COVID-19 vaccines, our Nbfd personnel have safely vaccinated 1,937 community members during 28 clinics at Newport Beach facilities through December 2021. Nbfd is the only fire department in Orange County, and one of a handful in the state, continuing to hold clinics to vaccinate the public long past the closure of Super PODs.

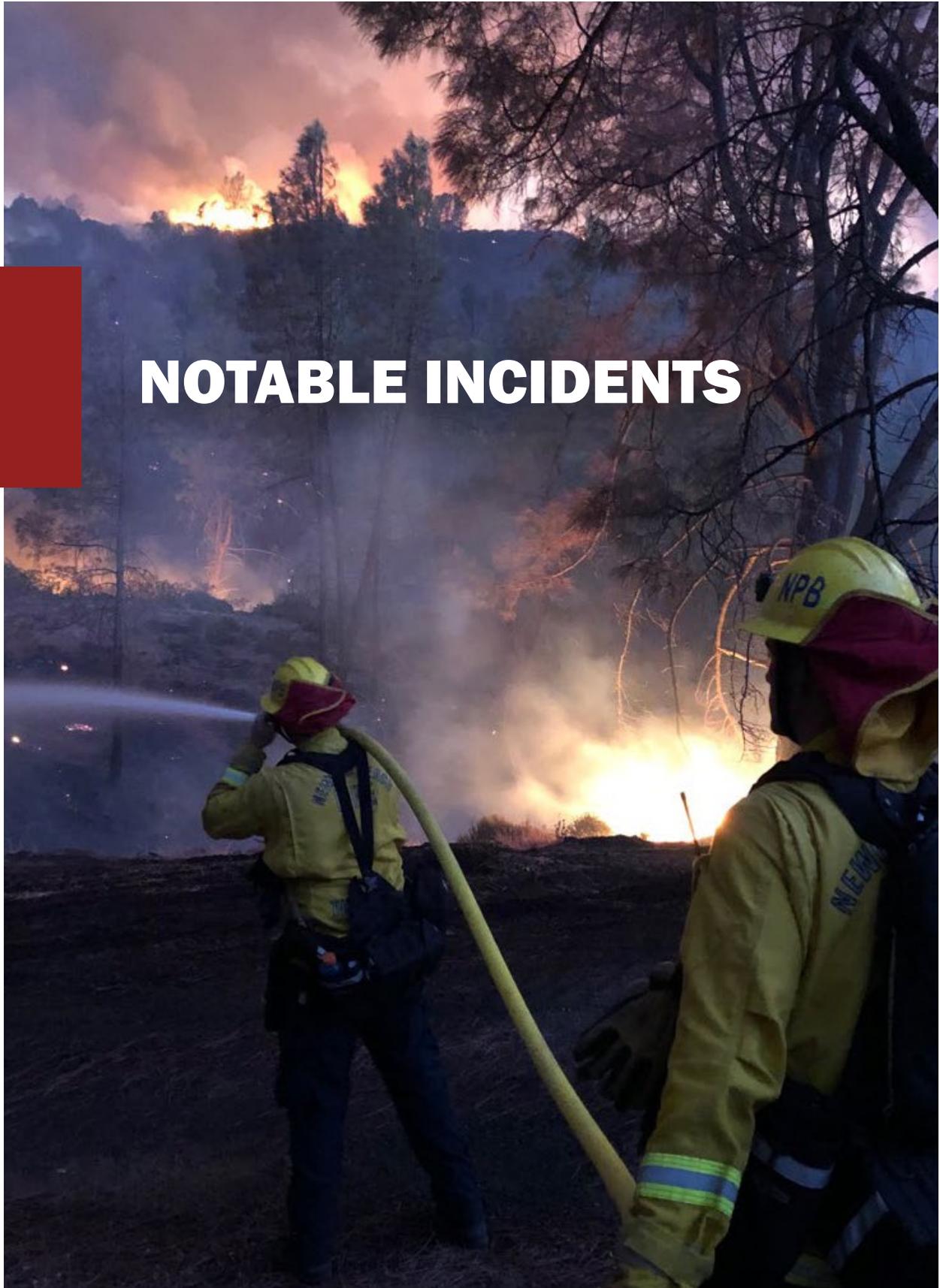
The EMS Division is responsible for the medical implications COVID-19 has presented for fire and lifeguard personnel over the last two years. This includes medical monitoring of each exposed and quarantined individual and those who test positive. From conducting exposure risk assessments following each contact with a COVID-19 positive patient, co-worker, or other individual, to contacting tracing performed as needed for high-risk exposures, quarantine, isolation and return to work processes. In 2020 and 2021, the Nbfd had 199 personnel events related to COVID-19 that required medical monitoring.

From the beginning of the COVID-19 outbreak, Nbfd has closely monitored and adapted to new and constantly changing best practices, guidelines, policies, protocols, trends, state and local orders, Cal OSHA directives, CDC updates, and credible research reviewed to maintain the highest level of service and health for our personnel and patients.

COVID-19 TRANSPORTS

	2020	2021
Enhanced Dispatch Calls	1,173	667
Confirmed Positive Transports	149	186





NOTABLE INCIDENTS

NOTABLE INCIDENTS

The Newport Beach Fire Department faced events that were unique to the current times and the city’s coastal location. This included record high tides, flooding on our beaches, the COVID-19 pandemic, protests, beach closures, and wildfires.

■ RESPONDING TO OTHER COMMUNITIES IN NEED

The Nbfd is a part of a statewide mutual aid system. This system coordinates needed resources from various jurisdictions throughout California when a local agency becomes overwhelmed.

The experiences gained during these deployments provide Nbfd personnel with knowledge and expertise to operate and manage large-scale emergencies in our own community should the need arise. Additionally, if Newport Beach experiences a large disaster, the mutual aid system will be there to support our community.

The 2020 fire season started with back-to-back deployments as the Nbfd responded to numerous requests for mutual aid. On September 22, 2020, the City Council adopted a resolution recognizing the Nbfd for its mutual aid efforts during the historic California wildfires.

During 2020 and 2021, the Nbfd assisted with six-major conflagrations in the state which burned over 2.25 million acres and destroyed over 3,304 structures. These numbers exclude incidents when single-resource personnel were deployed to these and other fires.

DEPLOYMENTS

	2020	2021
Incidents	25	11
Apparatus	50	32
Personnel	120	67
Total Days	333	207



Five of the six biggest fires in California's history burned in 2020 and Newport Beach rendered mutual aid to each one. The Nbfd deployed 17 firefighters to Northern California in areas such as Santa Cruz, Napa, and Vacaville. Upon returning all personnel home, we re-deployed an engine to San Bernardino County and San Diego County. Santa Ana winds in October 2020 sparked two fires in Orange County, the Silverado Fire which burned over 13,000 acres and the Blue Ridge Fire in Yorba Linda burned over 14,000 acres. The Nbfd sent personnel to provide support to our neighboring fire departments.



■ MANDATED BEACH CLOSURES

On March 23, 2020, the California State Parks and Beaches enacted a soft beach closure. Neighboring beach agencies were directed to follow suit, including Newport Beach. Lifeguards increased patrols to educate the public on the closure, encouraged social distancing, and requested active use only. For the first time in the City's history, beaches were closed on the Fourth of July in compliance with state mandates. This resulted in thousands of Southern California beach goers changing their weekend holiday plans. Surfers, boogie boarders, and body surfers were determined to not let the closure hinder their opportunity to enter the water during a highly anticipated swell that arrived during that Fourth of July weekend. This created a challenge for lifeguard personnel, primarily at the Wedge.

■ RESPONSE TO PROTESTS

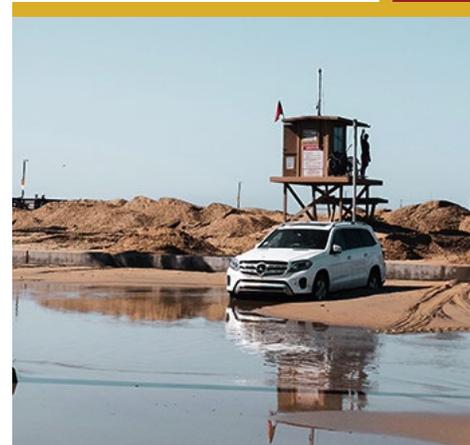
In June 2020, the Orange County Intelligence Assessment Center sent a report of protests developing in response to the George Floyd Black Lives Matter movement. The Newport Beach Fire Department met the challenges alongside our partners from the Newport Beach Police Department during the multiple protests that occurred over the course of several weeks.

■ LARGE SWELL BRINGS MASSIVE PENINSULA FLOODING

On July 3 and July 4, 2020, a combination of King Tides, a full moon, and a large swell resulted in massive flooding along the Balboa Peninsula. The low-lying beaches experienced significant flooding, which limited access to sections of the beach for lifeguard personnel, especially near the Balboa Pier. Lifeguards continued to provide services to keep the public safe in these extreme conditions by performing 101 rescues and 2,700 preventative actions.

■ BOAT ASHORE

During the high tides and a large swell on July 3, 2020, a 40-foot sailboat washed ashore near Lifeguard Tower 6 slightly north of the Balboa Pier. There were six passengers on board who were stuck in the large shore break resulting in a multi-casualty incident, or MCI. All passengers were accounted for and brought to safety by fire and lifeguard personnel. Lifeguards remained on scene to assist with crowd control as the shipwreck's debris fell apart and washed into the surf line.



■ BALBOA PIER OCEAN RESCUE

On July 3, 2020, Newport Beach Lifeguard Sean Richards was working at Tower A, which is located on the south side of the Balboa Pier. At 4 p.m., he responded to a swimmer struggling in the shore break waves that were reaching up to 10-feet high during the largest swell of the summer. Upon completing the initial rescue, he noticed a second victim being swept under the pier. Sean immediately reentered the water and maintained contact with the victim while being thrown and pinned against the pier pilings. Sean brought the victim to shore and then collapsed on the sand from exhaustion. He was treated by his fellow NBFD lifeguards and paramedics then transported to the hospital. He made a full recovery and returned to lifeguarding for the remainder of the summer. Due to Sean’s courage, two lives were saved. He received a proclamation from Newport Beach Mayor and City Council recognizing his efforts.



■ LOWER SANTA ANA RIVER SAND RELOCATION

Lifeguards were staffed in the off-season to assist with the County of Orange Public Works Department’s Lower Santa Ana River (LSAR) flood control project that began in late September of 2020. This is a joint-effort project with the County, the Newport Beach Public Works Department, and the Fire Department’s Lifeguard Division. The LSAR project improves flood control in the Santa Ana River by removing sand that accumulates at the mouth of the Santa Ana River that blocks flood waters from escaping to the ocean. The high-quality sand removed is transported to areas of the beach that need replenishment, to nourish the mid-jetties, and to protect from erosion. The total project moved enough sand to cover a football field 24-feet high.



SANTA ANA RIVER SAND HAUL

	2020	2021
Cubic yards of sand removed and hauled to beach areas	40,400	51,000

Lifeguards are assigned to the project to keep beach goers and bystanders safe and clear by escorting the large dump trucks as they drive down the beach. This was especially important with the unusually warm and crowded beach conditions during the late summer and early fall of both 2020 and 2021. Newport lifeguards participated in daily safety briefings and focused on education and vigilance throughout the project in 2020 and 2021. Personnel from Lifeguard Operations continue to monitor the deposit areas to comply with California Coastal Commission guidelines.



DOVER FIRE RESCUE

On March 10, 2021, Newport Engine 66 responded to a three-alarm structure fire at a Dover Drive condominium complex. Upon arrival, heavy smoke was in the area and a victim was quickly located on the second floor of the involved unit. Crews threw a ladder to the second-floor window to extricate the victim. Upon ascent, Paramedic Kelly Conte noticed that a bookcase in front of the window was blocking access to the room. She was able to push the bookcase clear and navigate other obstructions to enter the room where the victim was last seen. Conte, working in near zero visibility, located the victim and safely got the victim to the window. With assistance from other responding crews, they

got the victim out of the building, assisted the victim down the ladder, and to medical attention. The victim was transported to the emergency room for his injuries.



POPPY AVENUE COVE RESCUE

On May 24, 2021, at 8:34 p.m., Newport Engine 65 responded to a cliff rescue that involved three teenagers who became trapped in a cave below Inspiration Point in the Corona del Mar area. Upon arrival, crews prepared for a high-angle cliff rescue and an ocean rescue. They utilized a rescue buoy, fins, box lights, and radios. Communication with the victims was not possible from the cliff or beach.

After sizing up the situation and conducting a risk assessment, knowing additional resources were in route, Engineer Keith Hedenberg and Firefighter/Paramedic Andrew Kaford entered the ocean to make contact, assess, and rescue the trapped victims. Kaford extracted the first victim by walking over the jagged rocks then swimming over to Corona del Mar State Beach. Newport Beach Lifeguard Battalion Chief Brian O'Rourke arrived on scene and entered the water. O'Rourke swam over and immediately entered the cave to assist the other two victims. At this time, Newport Beach's lifeguard rescue boat, the Orange County Sheriff Department's boat, and Huntington Beach Police Department's helicopter, HB1, arrived on scene. Utilizing rescue equipment, including a paddle board and buoys, the victims were extracted and brought to safety for assessment.

■ VESSEL IN DISTRESS

In June 2021, a 25-foot vessel was in distress in the waters off Corona del Mar State Beach. Because it was during the evening hours, lifeguards were called to respond from the Sea Watch dock located at 1901 Bayside Drive. When the lifeguard boat arrived on scene, the vessel was approximately 10 to 15 feet from Arch Rock, which is just offshore from Little Corona Beach. After all personnel on the boat were safely assisted off the vessel, lifeguards secured a towline and towed the vessel out to sea to allow the vessel to sink in 35 to 40 feet of water before recovery efforts were implemented by the Orange County Sheriff's Department. This is a normal practice if the rate of water a vessel takes on has the potential to jeopardize the safety of lifeguard personnel and victims during the incident.

■ HURRICANE LINDA SWELL

Hurricane Linda impacted the Newport Beach coastline on August 18, 2021. The impact came close to the flooding and tide conditions that occurred the previous summer. Lifeguards effectively educated the public to prevent life-threatening situations with 480 preventive actions and 25 rescues in one day. With the help of the Public Works Department, lifeguard towers were relocated to stable sections of the shoreline positioned to still enable lifeguards to watch the water.

■ ORANGE COUNTY OIL SPILL

On October 2, 2021, Newport Beach Fire personnel were notified that an ocean pipeline leaked an estimated 126,000 gallons of oil. The pipeline feeds from Platform Elly, which is approximately nine miles off the coast of Huntington Beach.

The initial arrival of oil residue appeared on Newport Beach's shoreline between 52nd Street and the Santa Ana River Jetties in West Newport. The area south of the Newport Pier to the river jetties, which borders Huntington Beach, experienced the highest concentration. The oil slick continued to move in a southerly direction reaching as far as Dana Point for a total impact to 13 miles of Orange County's coastline.



The City of Newport Beach became part of the incident command response team, which was led by the United States Coast Guard (USCG). The multi-agency cleanup effort included the State Department of Fish and Wildlife, the County of Orange, the City of Huntington Beach, the City of Laguna Beach, the City of Newport Beach, and Amplify Energy. Newport Beach lifeguard personnel were sent to the Incident Command post in Huntington Beach and the Incident Management Team in Long Beach to aid in the mitigation of and response to the oil spill.

Back at home along the beaches, lifeguards aided with public education about the incident and closures of the water and high-tide line. During the closure period, between October 4 to October 11, lifeguards completed 520 beach educations, 691 public contacts, and 4,415 preventative actions.

While many community members wanted to assist with the cleanup efforts, the oily material is considered hazardous, and handling requires specialized training. The trained personnel arrived and started to remove the oil from the sand and shoreline in Newport Beach. By October 11, the residue was well below the minimum threshold and the ocean waters, which were repeatedly tested, were cleared to reopen.



PERSONNEL ACHIEVEMENTS



PERSONNEL ACHIEVEMENTS

2020 AWARD WINNERS:

- Seasonal Lifeguard of the Year **Hayden Paul**
- Lifeguard Supervisor of the Year **Captain Mike Ure**
- Civilian of the Year **EMS Division Chief Kristin Thompson**
- Firefighter of the Year **Captain Kevin Tiscareno**

2021 AWARD WINNERS:

- Seasonal Lifeguard of the Year **Andy White**
- Lifeguard Supervisor of the Year **Captain Boyd Mickley**
- Civilian of the Year **Debbie Alcaraz**
- Firefighter of the Year **Captain Mike Mullen**

LIVE SAVING AWARD:

- May 24, 2021, Ocean Rescue by
Captain Adam Novak
Engineer Keith Hedenberg
Firefighter/Paramedic Drew Kaford
Lifeguard Battalion Chief Brian O'Rourke

MEDAL OF VALOR:

- March 10, 2021, Dover Fire Rescue by
Captain Cameron Hutzler
Firefighter/Paramedic Kelly Conte
Firefighter/Paramedic John Kluve
Firefighter/Paramedic Joel Chidley
Engineer Oscar Dykesten
Engineer Keith Hedenberg



NEW HIRES, PROMOTIONS, AND RETIREMENTS



NEW HIRES, PROMOTIONS, AND RETIREMENTS

2020 NEW HIRES AND PROMOTIONS

Thomas Herr, Captain (01.18.20)
Jake Long, Captain (01.18.20)
Clay Rinker, Lifeguard Captain (01.18.20)
Debbie Alcaraz, Administrative Assistant to the Fire Chief (02.15.20)
Mitchell Phillips, Department Assistant (02.29.20)
Justin Carr, Assistant Fire Chief (03.14.20)
Robert Binkerd, Paramedic (03.30.20)
Dylan Nowakowski, Paramedic (03.30.20)
Michael Pena, Paramedic (03.30.20)
Phil Puhek, Battalion Chief (07.18.20)
Joe Harrison, Captain (12.19.20)
Paul Cortes, Fire Engineer (12.19.20)
Nick Gerakos, Fire Engineer (12.19.20)
Andy Janis, Captain (01.18.20)

2021 NEW HIRES AND PROMOTIONS

Nick Yaroma, Paramedic (02.13.21)
Thomas Thornbury, Paramedic (02.13.21)
Brian Mahnken, Paramedic (02.13.21)
Michael Sodergren, Paramedic (02.13.21)
Roman Taijeron, Captain (03.27.21)
Jon Reid, Life Safety Specialist II (05.10.21)
Lili Melero, Management Assistant (07.17.21)
Natalie May, Fire Services Coordinator (08.28.21)
Walid Harding, Senior Fiscal Clerk (10.23.21)
Jim O'Brien, Paramedic (4.26.21)
Anthony Galaviz, Paramedic (4.26.21)
Andy Hayes, Lifeguard Captain (12.18.21)
Andy Matsuyama, Lifeguard Captain (12.18.21)
Mike Ure, Lifeguard Battalion Chief (12.18.21)

2020-2021 RETIREMENTS

Susan Guzzetta, Life Safety Specialist III (12.18.20)
Dennis Edwards, Fire Captain (07.31.21)
John Testa, Fire Engineer (08.29.21)
Brent Jacobsen, Lifeguard Battalion Chief (11.05.21)
Boyd Mickley, Lifeguard Captain (12.17.21)
Mike Halphide, Chief Lifeguard (12.30.21)
Ron Gutierrez, Fire Captain (12.31.21)



LOOKING AHEAD



LOOKING AHEAD

CHIEF'S MESSAGE FOR 2022



Newport Beach Fire Chief
Jeff Boyles

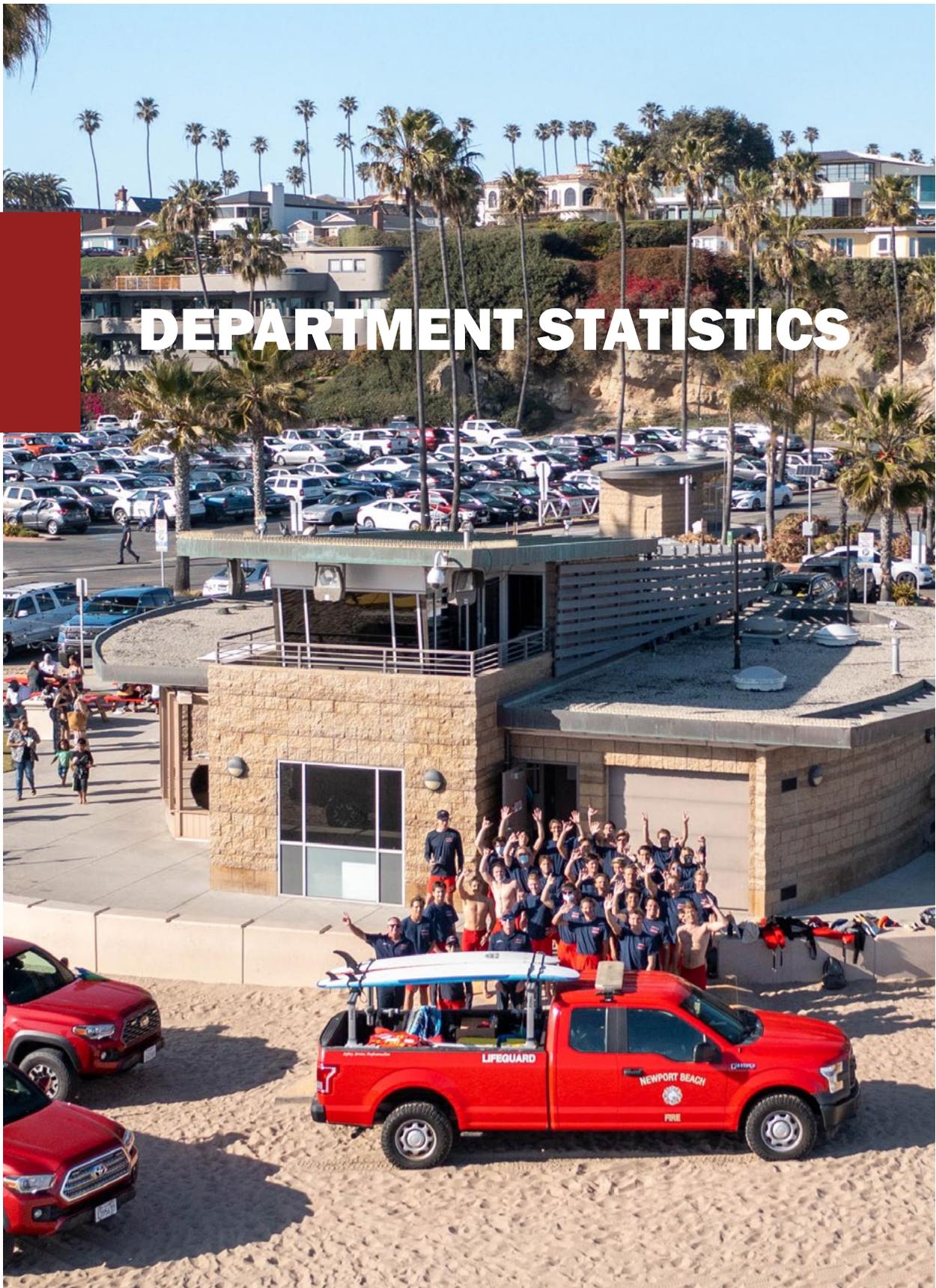
During 2020 and 2021, our organization faced many challenges head on and continued to adjust to the dynamic landscape. After 2020 was filled with numerous uncertainties, 2021 shaped up to be busier than anyone anticipated. The department stepped up time-and-time again to provide employee COVID-19 testing and public vaccination efforts, which will continue for the foreseeable future.

For the Fire Department, 2022 will be another active year filled with many long-awaited programs, delivery of new apparatus, and finalizing and implementing the Updated Standards of Coverage and Strategic Plan. The year will start with several new leaders in the Lifeguard Division as they set their sights on hiring new recruits and gearing up for the Junior Lifeguard Program. In the spring, Fire Operations will conduct another rookie academy with firefighter and firefighter/paramedic recruits earning their right to be a permanent part of the Nbfd and there will be captain and engineer promotional opportunities. EMS will continue to monitor and adapt to the ever-changing face of COVID-19 and

will focus training efforts for our personnel on the importance of mental health. Fire Prevention will be tasked with an increase in building and development, conducting plan checks and inspections, and managing the wildland urban interface zones for mitigation of wildland vegetation. Fire Administration will continue to provide essential support to our operations.

My sincere thanks to everyone in the Fire Department for your contributions in 2020 and 2021. Thank you also to the City Council and community members for instilling your trust in us to serve you. In due time, we will be back to in-person badge pinnings, retirement celebrations, meetings, classroom settings, community events, and other gatherings that bring us together and add the social joy back to our profession. These past two years have been difficult for everyone in many ways, but I am impressed with the perseverance and fortitude I witness daily from everyone.





DEPARTMENT STATISTICS

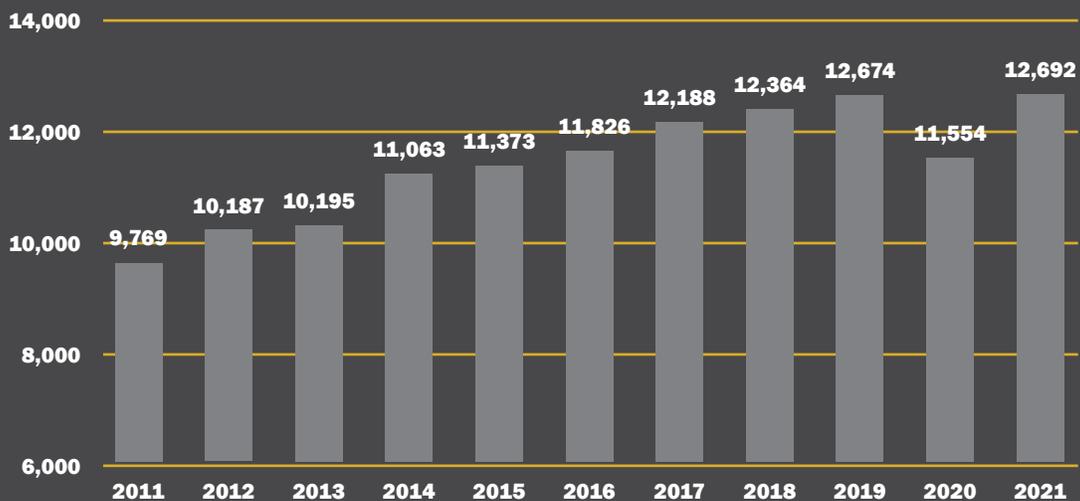
DEPARTMENT STATISTICS

NBFD INCIDENTS 2011-2021

YEAR	TOTAL	YOY+/-
2011	9,769	
2012	10,187	4.28%
2013	10,195	0.08%
2014	11,063	8.51%
2015	11,373	2.80%
2016	11,826	3.98%
2017	12,188	3.06%
2018	12,364	1.44%
2019	12,674	2.51%
2020	11,554	-8.84%
2021	12,692	9.85%
10-Year Increase		29.92%



NBFD INCIDENT TREND 2011-2021



CALL VOLUME – RESPONSES PER MONTH 2020-2021

Month	% of total call volume
July	9.84%
August	9.15%
January	8.79%
December	8.71%
September	8.53%
June	8.43%
October	8.43%
May	8.34%
April	7.81%
November	7.74%
March	7.03%
February	6.66%
Not documented	.52%



INCIDENTS IN AND OUT OF JURISDICTION

Incident Type	2019	2020	2019-2020 YDY+/-	2021	2020-2021 YDY+/-
Medical	9,261	8,460	-8.65%	9,653	14.10%
Other Emergency	1,701	1,532	-9.94%	1,509	-1.50%
Service	1,172	1,043	-11.00%	1,094	4.89%
Fire	396	346	-12.63%	318	-8.09%
HazMat	133	137	3.01%	97	-29.20%
Regional Emergency	11	36	30.56%	21	-41.67%
Total	12,674	11,554	-8.84%	12,692	9.85%

FIRE RESPONSES BY STATION AND APPARATUS

	2019		2020		2021	
	Annual	Daily Average	Annual	Daily Average	Annual	Daily Average
Station 1 Balboa						
Engine 61 (NE61)	648	1.8	647	1.8	724	2
Surge Ambulance 61 (NA61)	N/A	N/A	N/A	N/A	121	0.3
Station 2 Lido						
Engine 62 (NE62)	2,490	6.8	2,046	5.6	2,698	7.4
Truck 62 (NT62)	1,249	3.4	1,366	3.7	1,399	3.8
Medic 62 (NM62)	3,492	9.6	3,310	9	3,729	10.2
Surge Ambulance 62 (NA62)	82	0.2	N/A	N/A	N/A	N/A
Station 3 Fashion Island						
Engine 63 (NE63)	1,834	5	1,520	4.2	1,766	4.9
Truck 63 (NT63)	1,188	3.3	1,024	2.8	1,035	2.8
Medic 63 (NM63)	3,278	9	3,057	8.4	3,390	9.3
Surge Ambulance 63 (NA63)	328	0.9	280	0.8	369	1
Station 4 Balboa Island						
Engine 64 (NE64)	1,045	2.9	1,066	2.9	1,109	3
Surge Ambulance 64 (NA64)	56	0.2	1	0.003	N/A	N/A
Station 5 Corona del Mar						
Engine 65 (NE65)	1,888	5.2	1,578	4.3	1,655	4.5
Medic 65 (NM65)	2,555	7.02	2,345	6.4	2,577	7.1
Station 6 Mariners						
Engine 66 (NE66)	1,336	3.7	1,309	3.6	1,356	3.7
Surge Ambulance 66 (NA66)	55	0.2	119	0.3	33	0.1
Station 7 Santa Ana Heights						
Engine 67 (NE67)	1,270	3.5	1,003	2.8	1,128	3.1
Station 8 Newport Coast						
Engine 68 (NE68)	927	2.5	962	2.6	997	2.7
Other Units						
Battalion	272	0.7	258	0.7	250	0.7
Lifeguards (NLIFE)	256	0.7	302	0.8	298	0.8
OES Engine	0	0	12	0.03	2	0.01
Other	88	0.2	459	1.3	348	1
Total Annual	24,337		22,664		24,984	

Note: Response numbers are higher due to multiple apparatus responding to one incident.

2020 DEPLOYMENTS

	Days	Apparatus	Personnel
Apple Fire	21	5	11
August Complex Fire	8	1	1
Blue Ridge Fire	15	4	7
Bobcat Fire	17	1	4
Bond Fire	13	3	6
Carmel Fire	18	5	11
Castle Fire	14	1	1
Creek Fire	22	2	2
CZU August Lightning Fire	12	2	2
Dam Fire	4	1	1
Deer Fire	16	1	1
Dolan Fire	5	2	6
El Dorado Fire	6	1	4
Glass Fire	14	1	1
July Complex Fire	7	1	1
Lake Fire	5	1	4
Long Beach Protest	7	1	4
LNU Lightning Complex Fire	24	2	8
Oak Fire	9	1	1
OES Preposition	4	5	20
Mann Fire	9	1	4
River Fire	14	1	1
Silverado Fire	12	2	8
Slater Fire	35	2	2
Valley Fire	22	3	9
Total Deployment	333	50	120

2021 DEPLOYMENTS

	Days	Apparatus	Personnel
Caldor Fire	77	7	13
CNET / HBFD	1	3	8
CNET / Orange FD	1	2	5
Dixie Fire	70	8	11
French Fire	16	1	1
Hay Creek Fire	13	1	1
OES Prepositioning	5	4	13
Orange FD	1	2	5
NNET / Orange FD	1	1	4
Salt Fire	9	1	1
Windy Fire	13	2	5
Total	207	32	67

EMS REVENUE

	FY 2019-20	FY 2020-21
Total	\$4,505,994	\$4,718,629
Transports	\$3,670,874	\$3,808,560
Non-Transports	\$225,287	\$178,100
GEMT and IGT	\$588,822	\$655,324
Fire Medic Subscription	\$21,011	\$76,645
Average Payor Mix		
Private Pay	41%	49%
Medicare	39%	30%
Medi-Cal	10%	7%
Insurance	9%	13%
Other	1%	1%

MEDICAL AID DISPATCH CALLS

	2020-2021
Alpha – Non-Life Threatening	11%
Bravo – Possibly Life Threatening	21%
Charlie – Life Threatening	42%
Delta – Serious Life Threatening	23%
Echo – Imminent Life Threatening	2%
Multi-patient event (MCI)	15
Rescue	90
Traffic Collision into Building	12

EMS TRANSPORTS

EMS Transports Percent 2020 and 2021

ALS Transports	60%
BLS Transports	40%
Surge Ambulance Transports	2.5%
Resident Transports	67%
Non-Resident Transports	33%

Annual Transports	Total
2019	6,838
2020	5,998
2021	6,830



MONTHLY TRANSPORTS BY TYPE

ALS	2020	2021	YOY+/-
January	384	436	12%
February	359	329	-8%
March	357	391	9%
April	238	395	40%
May	270	414	35%
June	302	388	22%
July	380	513	26%
August	378	404	6%
September	421	417	-0.9%
October	415	434	4%
November	351	419	16%
December	374	455	18%
Total ALS	4229	4995	18.11%

BLS	2020	2021	YOY+/-
January	193	139	-28%
February	155	138	-11%
March	100	156	56%
April	119	172	45%
May	137	132	-4%
June	162	143	-12%
July	171	193	13%
August	155	175	13%
September	166	163	-2%
October	143	149	4%
November	138	133	-4%
December	130	142	9%
Total BLS	1769	1835	3.73%

Surge	2020	2021	YOY+/-
January	24	13	-46%
February	11	15	36%
March	14	13	-7%
April	2	9	77%
May	15	13	-13%
June	8	11	38%
July	11	25	56%
August	7	18	61%
September	11	17	55%
October	14	9	-36%
November	12	12	0%
December	18	22	22%
Total Surge	147	177	20.41%



MEDICAL RESPONSES BY DISPATCH TYPE 2020-2021

Dispatch Type	Total	Percent
Falls	2,564	15.03%
Sick (Unknown) / Other	2,273	13.33%
Unconscious / Unresponsive / Syncope	2,156	12.64%
Breathing Difficulty	1,281	7.51%
Chest Discomfort / Heart Problems	1,194	7.00%
Bleeding / Laceration	1,080	6.33%
Motor Vehicle Accident (MVA)	930	5.45%
Assault	909	5.33%
Overdose / Poisoning	779	4.57%
Stroke (CVA)	615	3.61%
Convulsions / Seizures	502	2.94%
Pain (Non-Traumatic)	439	2.57%
Cardiac Arrest	390	2.29%
Traumatic Injuries	357	2.09%
Mental / Emotional / Psychological	351	2.06%
Med Knowledge (Medical Facility Only)	280	1.64%
Anaphylaxis / Allergic Reaction	219	1.28%
Medical Call	144	0.84%
Diabetic	135	0.79%
Traffic Collision Heavy Rescue	107	0.63%
Choking	88	0.52%
Drowning / Diving / Water Related Injury	61	0.36%
Critical Care Transport	52	0.30%
Environmental / Toxic Exposure	46	0.27%
Pediatric Emergencies	31	0.18%
Pregnancy / Childbirth / GYN	25	0.15%
Burns - Thermal / Electrical / Chemical	18	0.11%
Mass Casualty Incident	15	0.09%
Traffic Collision into Building	12	0.07%
Boat Accident	3	0.02%
SWAT - ALS Standby	2	0.01%
Total	17,058	100%

CONFIRMED COVID-19 POSITIVE TRANSPORTS

By Month	2020	2021
January	0	61
February	0	14
March	5	3
April	1	2
May	6	2
June	10	0
July	19	12
August	14	28
September	7	12
October	1	11
November	12	15
December	74	26
Total	149	186



LIFEGUARD OPERATIONS DIVISION SERVICES

	2019	2020	2021
Beach Wheelchair Use	168	66	121
Code Enforcements	5,683	3,590	4,865
First Aids	1,429	1,467	1,323
Medical Aids	310	267	247
Preventative Actions	65,396	96,489	79,943
Public Contacts	36,956	45,403	60,088
Rescues	2,516	3,313	2,184
Other	18,709	47,741	6,650
Total Call Volume	131,167	198,336	175,421







Newport Beach Fire Department

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