



# SOUTHERN MANATEE FIRE RESCUE

## Annual Report 2020

Pictured:  
Mira Lago Apartment Fire  
January, 20 2020



# **SOUTHERN MANATEE FIRE & RESCUE DISTRICT 2020 ANNUAL REPORT**

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### Mission Statement

Protecting lives and property by providing a superior level of service through prevention and emergency response to the public.

### Vision Statement

We will be recognized as leaders in our profession by setting the standards of excellence while providing World Class Public Safety Services through integrity, innovation and professionalism.

### Slogan

***“PRIDE THROUGH PERFORMANCE”***

### Values

As members of the Southern Manatee Fire Rescue District we take pride in our commitment to professional service by maintaining our skills, knowledge and abilities. All members of the Southern Manatee Fire Rescue District are committed to conducting ourselves in an ethical manner, conforming to a moral standard of right versus wrong by treating each other and the citizens we serve humanely, professionally and honestly. We ascribe to the following Values.

**Accountability and Fiscal Responsibility** – Members of the Southern Manatee Fire Rescue District are accountable to each other and the community we serve. We accept responsibility for our decisions and actions. Accountability applies not only to the professional manner in which the District meets its primary goals but also to the efficiency, effectiveness and fiscal responsibility which guides all of our actions.

**Integrity and Trust** – Members of the Southern Manatee Fire Rescue District are honest and fair in our dealings with our citizens and each other. We are honorable to our profession, and we inspire each other to maintain trustworthiness, openness and sincerity.

**Honor and Respect** – We are a “fire department” family. We are committed and accountable to each other because our lives depend on it. We value the role each member plays in our organization. We respect those that came before us, and will strive to make the organization better for those who follow. We will place a special and high regard on the premise of treating others as we would like to be treated.

**Teamwork and Discipline** – We seek out and value the input and opinions of our members at all levels of the organization. Teamwork is the building block that drives the Fire District’s labor/management process. We work as a team to cooperate locally, regionally and nationally to improve service to our citizens and maintain a safe and effective work environment. We value a professional attitude with high moral work ethic that can enhance our team.

**Service Excellence and Competency** – We do all we can to ensure the best possible service to our internal and external customers/communities through smart, well trained, humble, dedicated, competent, hard-working, safe members. We are active participants in the communities where we live and work.

**Innovation and Flexibility** – We recognize the value of change in responding to and meeting the ever-evolving needs of our customers and members. We are committed to seeking out effective methods and progressive thinking toward change. We recognize the value of ongoing education and training. We adapt to the ever-changing needs of our community, the organization, and the environment.

**Professionalism and Dedication** – Providing service with a high standard of ethics, behavior and competence.

**Compassion** – Providing service with empathy and sympathy for the suffering of others.

**Readiness and Motivated** – We value preparedness, training and education, safety and wellness, dedication and an understanding that lives are more valuable than property.

**Family** – We will support coworkers, their families and our community.



# SOUTHERN MANATEE FIRE & RESCUE DISTRICT

## Administrative Division

### OVERVIEW

The Southern Manatee Fire & Rescue District was formed June 1, 1990 with the merger of the Oneco-Tallevast Fire Control District and the Samoset Fire Control District. The combination department provides fire protection to a population of approximately 55,000 permanent residents and grows to 60,000 with winter residents in a 34 square mile area. Geographically, the District includes the areas south of the City of Bradenton, east of First Street, west of the Braden River and north of University Parkway, the Sarasota County line. Major transportation routes within and adjacent to the District include U.S. 41, U.S. 301, State Road 70, University Pkwy and I-75.

In addition, the District is served by two railroad lines, Seminole Gulf Railroad and Seaboard Coast Line. The southwestern portion of the District borders on the Sarasota-Bradenton International Airport. The Southern Manatee Fire & Rescue District protects the largest industrial area in Manatee County. The total value, as of 2020, of commercial and residential properties protected is \$5,410,764,765.

The Southern Manatee Fire & Rescue District operates five (5) fire stations that are staffed 24 hours a day, a training facility, and an administrative office that also houses our Fire Prevention Division. The District employs 80 Firefighter/Paramedic's and 15 staff for a total of 95 full time employees.

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| • Administration                | 2451 Trailmate Drive              |
| • Station 1                     | 6100 15 <sup>th</sup> Street East |
| • Station 2                     | 1911 30 <sup>th</sup> Avenue East |
| • Station 3                     | 7611 Prospect Road                |
| • Station 4                     | 5228 45 <sup>th</sup> Street East |
| • Station 5                     | 7301 Honore Avenue                |
| • Training Facility             | 7611 Prospect Road                |
| • Building Maintenance Facility | 1911 30 <sup>th</sup> Avenue East |

In addition, we have an extensive mutual and automatic aid response system with all neighboring fire departments and agencies, including all Manatee County Fire Districts, Manatee County EMS, City of Bradenton Fire Department, Sarasota County Fire Department and the Sarasota Bradenton International Airport.

Southern Manatee Fire & Rescue District holds a Class **3** rating from the Insurance Services Office (ISO). We missed a Class 2 by only a few points. We have made changes to our responses which will get us to a Class 2 on our next review. The lower the rating the greater the possibility that property owners could see a reduction in their insurance premiums.

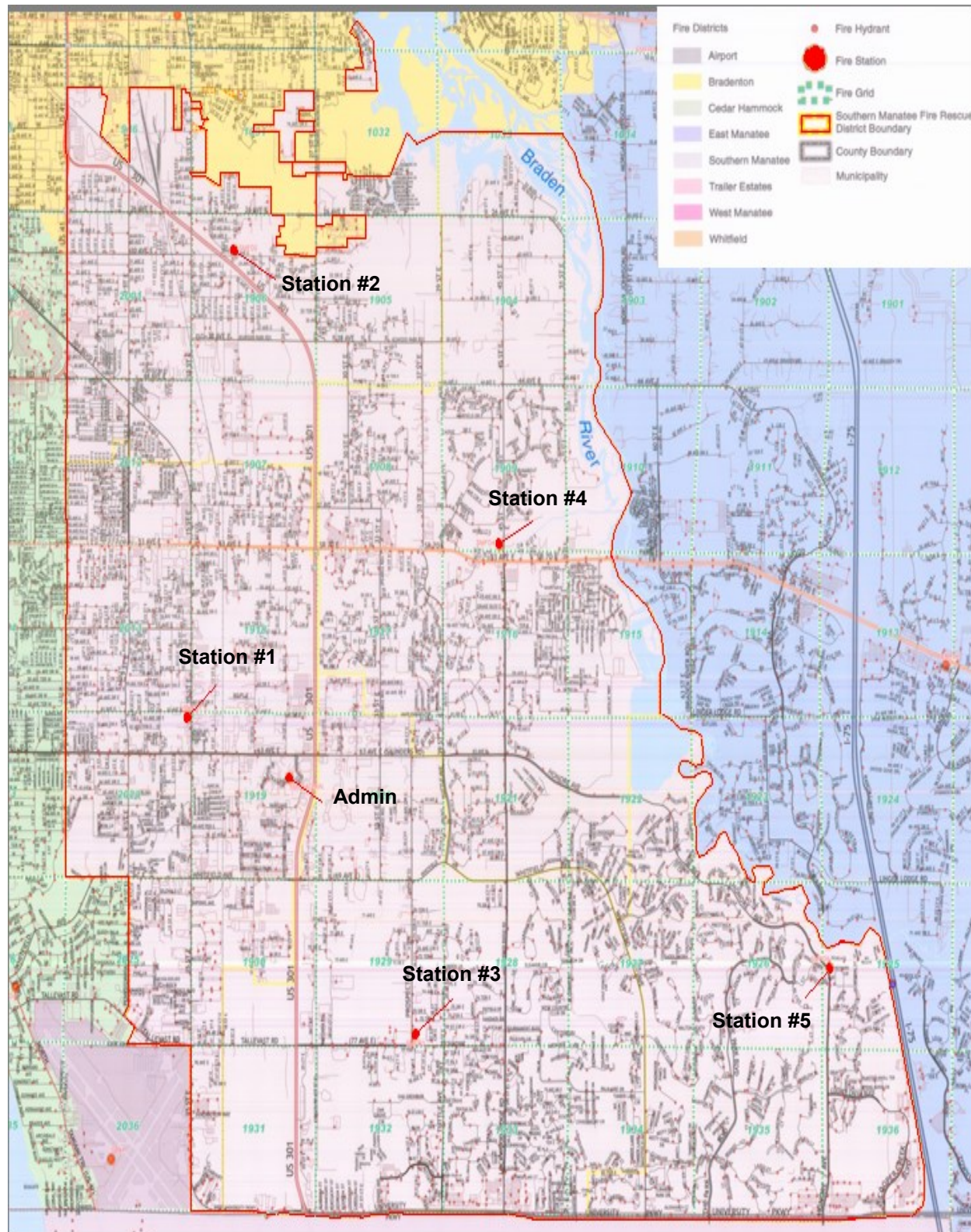
Daily activities include interaction with the following agencies:

- Manatee County Department of Public Safety
- Manatee County Sheriff's Office
- Manatee County Government
- Manatee County Building/Planning Department
- School Board of Manatee County
- Florida State Highway Patrol
- Manatee and Sarasota Emergency Management
- Other fire districts and departments in Manatee County



Southern Manatee Fire & Rescue Administrative Complex





## Southern Manatee Fire & Rescue District

## FIRE COMMISSIONERS

James Grote

Daniel Center

Melanie Marken

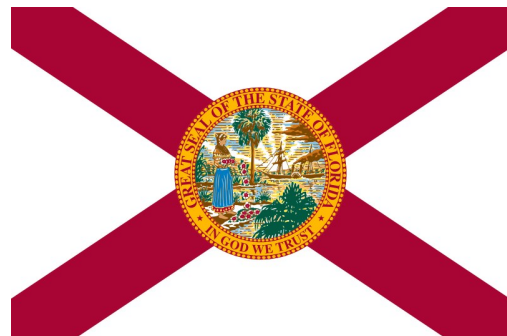
James Cena

Anthony Evans

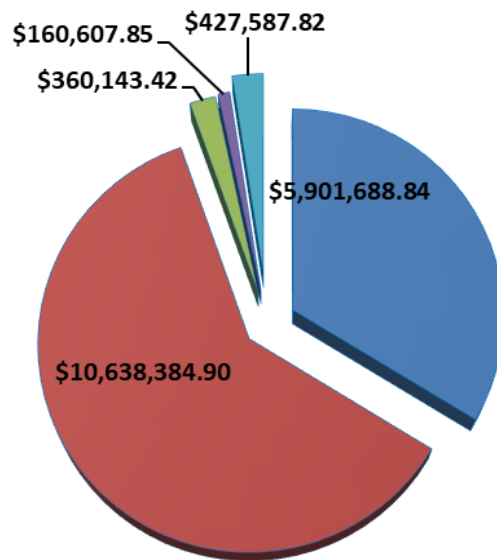
The Administration Division is directed by a Board of Fire Commissioners who are elected by the District's community. The Administration Division consists of the Fire Chief, Deputy Chief of Administration/Finance, Deputy Chief of Operations, Executive Management Assistant and Accountant. The operations include overseeing various administrative support services:

- Daily business operations
- Management of personnel policy and procedure
- Develop and maintaining the District's financial operating plan
- Building and ground maintenance
- Purchase and distribution of supplies
- Maintenance and repair of equipment

The District has been ever changing with the rapid growth of Southwest Florida. The District is committed to provide the best fire-rescue protection available and to raise the awareness of fire prevention education within our community. We have established a process of positive interaction of all employees, working together to meet the needs and objectives of the District.



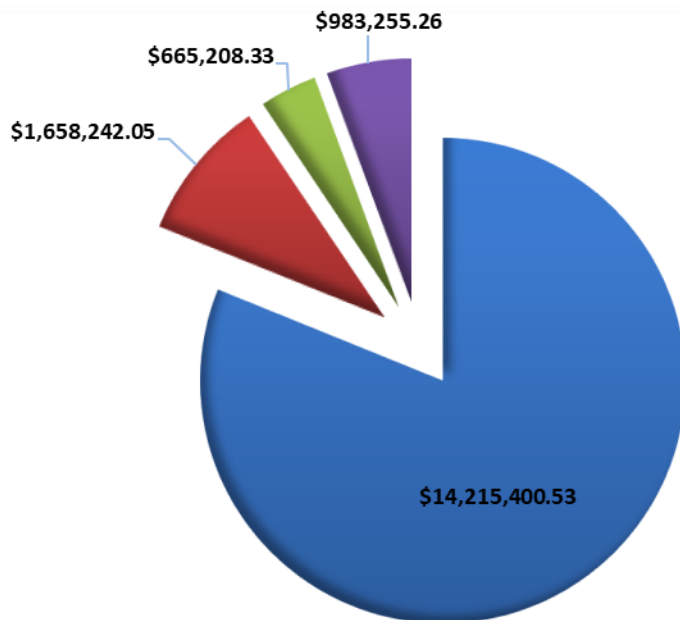
## FY19 Budget Analysis



### FY20 Actual Revenue

- Non-ad valorem Assessments
- Ad Valorem Taxes
- FEMA SAFER Grant
- Impact Fees
- Misc. Income

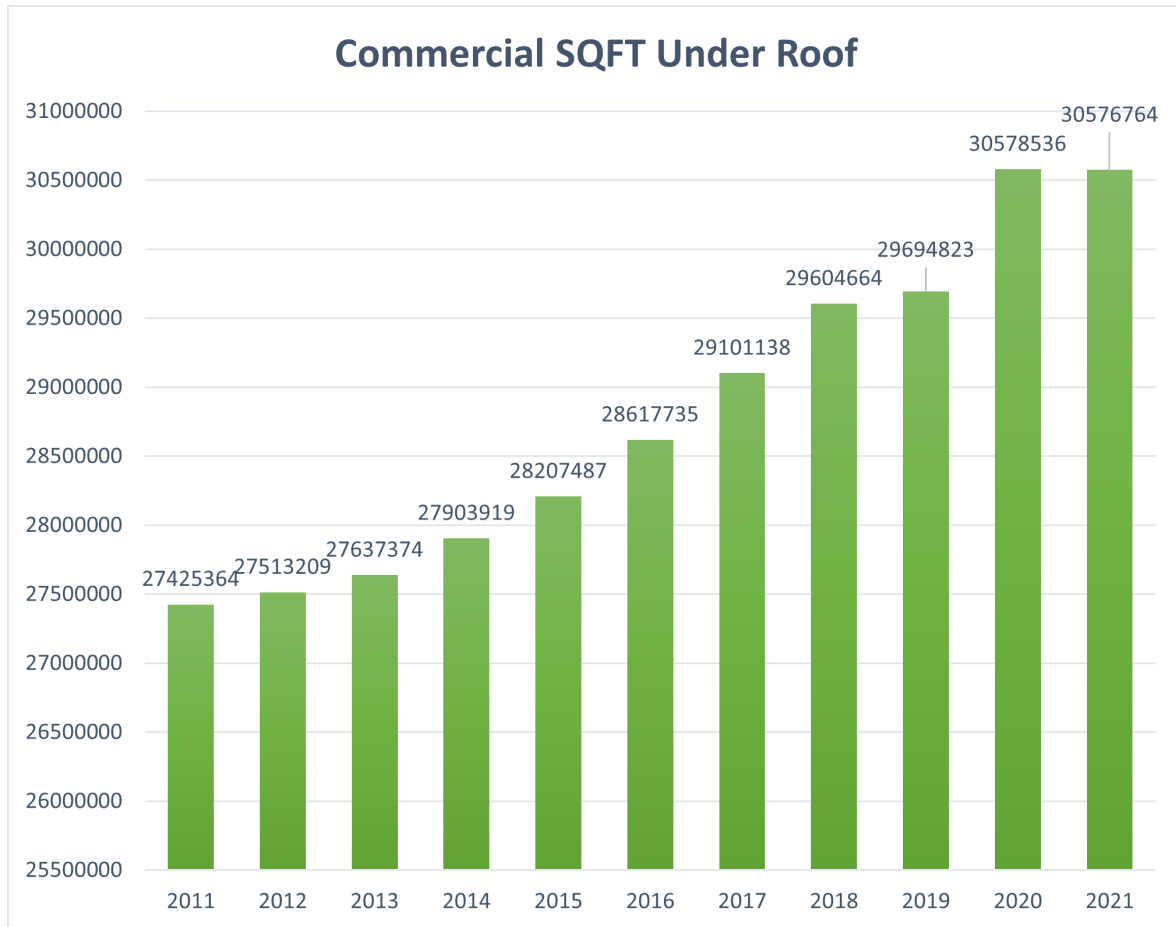
Total - \$17,488,412.83



### FY20 Actual Expenditure

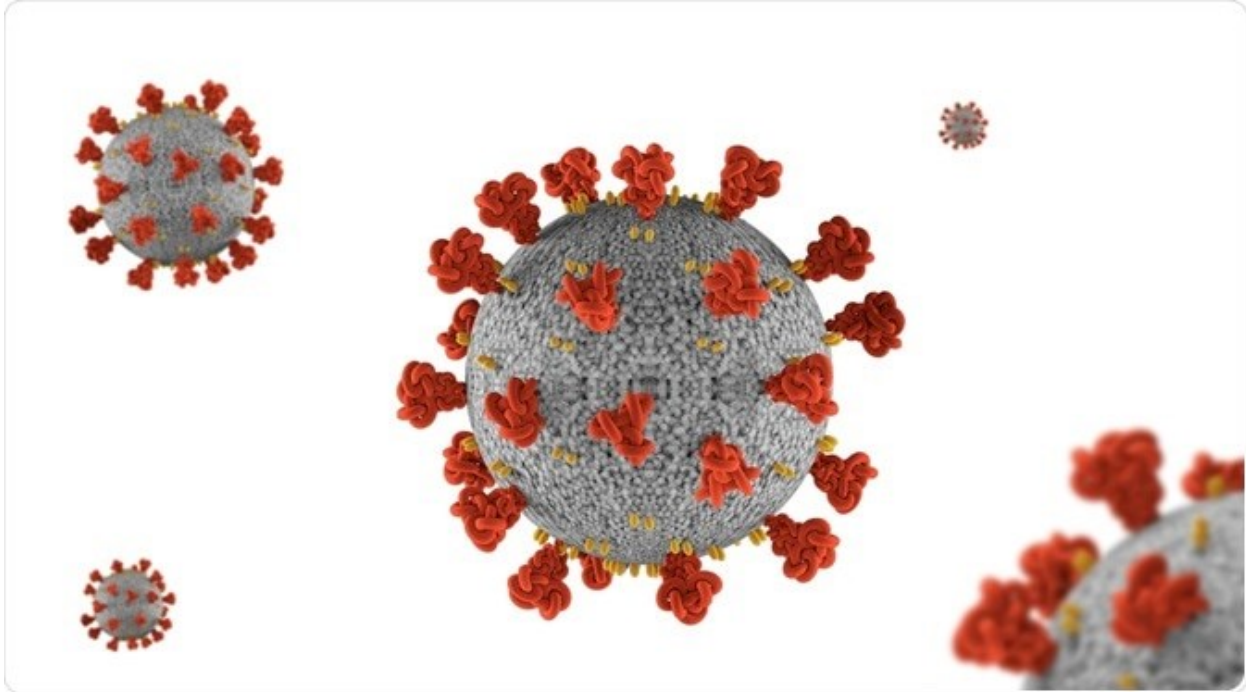
- Personnel
- Non-Personnel
- Capital
- Debt

Total - \$17,522,106.17





## COVID-19 (SARS-CoV-2) Pandemic



On December 31, 2019, World Health Organization (WHO) was alerted to several cases of pneumonia in Wuhan City, China. The virus did not match any other known virus. This raised a lot of concern because when a virus is new, we do not know how it will affect people and nor did we know anything about how it is spread.

On January 7, 2020, the Chinese authorities confirmed that they had identified this new virus. The new virus is a coronavirus, which is a family of viruses that include the common cold, and viruses such as SARS and MERS. This new virus strain was temporarily named “2019-nCoV” and has not been previously identified in humans.

Coronaviruses are a large family of viruses that cause illness ranging from the common cold to the more severe diseases such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV).

Coronaviruses are zoonotic, meaning they are transmitted between animals and people. Examples, research found that SARS-CoV was transmitted from civet cats to humans and MERS-CoV from dromedary camels to humans. Several known coronaviruses are circulating in animals that have not yet infected humans. At this time, it is not fully understood which animal might have been the viral source of the 2019-nCoV, however both the WHO and the Centers for Disease Control and Prevention (CDC) are still investigating the source which they think it was from a bat.

Before it spread across the world, causing the potentially deadly illness known as COVID-19, the closest relative was a virus known as SARS-CoV RaTG13 that was found in bats in caves in the Chinese province of Yunnan, more than 1,000 miles away from Wuhan.

Exactly how a relative of this virus spread to humans is unclear but given the distance and the relative lack of human interaction with bats, it is possible it spread first to one or more intermediate animals, where it evolved into the virus SARS-CoV-2 that is more easily transmissible to humans.

Many of the first confirmed cases of COVID-19 were found in the Huanan Seafood Market, a market that sold a variety of different animals, the coronavirus was also spreading outside the market in Wuhan, suggesting that it was not the original source of the outbreak.

Common signs of infection include respiratory symptoms, fever, cough shortness of breath and breathing difficulties. In more severe cases, infection can cause pneumonia, severe acute respiratory syndrome, kidney failure and even death.

As of January 27, 2020, the current estimate of the incubation period for this virus ranged from 2-10 days and these estimates have been refined as more data has been obtained through testing, research, and surveillance. By mid-February, this virus was renamed as COVID-19 (SARS-CoV-2).

In less than one (1) month this new virus became a pandemic and began impacting every country world-wide. As of January 27, 2020, globally there were 2798 confirmed cases and as of today, February 9, 2021, there were over 106,585,708 cases world-wide with over 2,328,383 deaths. In United States we have over 27,100,086 cases that caused 465,186 deaths and in Florida we are up to 1,783,720 cases with 27,815 deaths.

By mid-February and lasting until May 2020, the President of the United States and the CDC declared a Nation-wide State of Emergency and issued the "15 days to slow the Spread" guidance advising individuals to adopt far reaching social distancing measures and the use of masks and required all non-essential businesses to shut down for two (2) weeks to slow the spread. The State of Florida on March 1, 2020





issued Executive Order 20-52 declaring a State of Emergency for the entire State since Florida at that time ranked 3rd in the number of infections and deaths. This State of Emergency is still in effect over a year later.

When this all occurred, all non-essential business operations were shut down and only mission critical business remained opened. At the beginning of the Pandemic, it was extremely hard to locate and purchase Personal Protection Equipment (PPE).

With this virus we had to quickly develop interim guidelines over protection, response, and exposure for our personnel as well as to the public. Our website was completely changed to add COVID-19 facts and links to the CDC, WHO and both State and local Department of Health, so everyone was getting the most updated information.

We could no longer hold public meetings because of the spread of this virus, so our Governor issued an executive order allowing governing bodies to hold meetings by “Zoom” or “Go-to-Meetings”. We had to all re-think or re-invent all our business processes during this time of closure.

The Fire and EMS agencies here in Manatee County combined under a Unified Command Structure to develop and standardize our response protocols to the public, response to a suspected or confirmed COVID-19 patient, standardized exposure & treatment protocol, and standardize PPE guidelines for our all employee's.

Early in 2020 we did anticipate and did produce policies over reduced workforce because of employees becoming exposed and infected. However, because of providing updated and continuous information over this virus and ensuring that personnel were



equipped with the best PPE and trained in its use, we never encountered an “on-the-job exposure that resulted in an infection”.

Ironically the COVID-19 virus did impact us in late 2020 in which we had 20 employees' over the course of a few months that became infected, however not from the job. They became infected outside of the workplace. Some of these employee's never had symptoms while others had minor to mild symptoms. The ones that had no symptoms most likely brought the virus into the workplace that rapidly spread. When this occurred, we



immediately began contact tracing to get ahead of the spread but ending up testing all employee's through a State Testing site.

Southern Manatee was designated as logistics for PPE. Since late February 2020 and continuing to present date. We maintain a large inventory of NIOSH approved N95 masks, ASTM Level 1 Surgical Masks, Isolation Gowns, Eye protection and full-face shields and various amounts of protective equipment as we supplied all the fire and medical agencies in Manatee County. Manatee County Government has reimbursed us through the Coronavirus Aid, Relief, and Economic Security Act (CARES) funding in the amount of around \$180,000.00.



Pandemic's comes in waves and we are currently in the downward trend of the 3rd wave. With each wave brings more infection and death. This is not unusual; this is how pandemic's work. At the same time viruses like to mutate among countries and so far, the COVID-19 virus has mutated two (2) times. The mutated virus does not make people any sicker nor did it cause more deaths, in this case it made the virus more contagious.

When this pandemic became global, our scientist began working on vaccines. Because we broke down the human genocode, the first vaccine was produced in 67 days (Pfizer Vaccine) and shortly after this one the second vaccine was produced (Moderna Vaccine). Both vaccines are Spike Protein mRNAs. During the summer of 2020 they began human clinical trails of both vaccines and by October 2020, both vaccines reported an 94% success in preventing a person from getting COVID-19. Both vaccines were submitted to the FDA for approval in November 2020.



In December 2020, the Food and Drug Administration (FDA) approved both vaccines under Emergency Use Authorization (EUA) and began shipping it out to all the States. On December 22, 2020 we began immunization of our employees. Both vaccines require 2 doses for protection between 21(Pfizer) to 28 (Moderna) days after their first dose. To date we have 32 employees immunized and we hope to immunize at least 70% of our workforce.

To show how effective this vaccine is, there is a new blood test that was developed when the vaccines were in human trials. This blood test is called the Roche Elecsys

Anti-SARS CoV-2 S Serology Assay and is only being performed at the International Medical Lab in located within our Industrial Park. A blood result needs to show greater than .8 U/mL of blood, our employees ranged from 400 U/mL to over 2500 U/mL, which means that all carry the spike protein antibodies – the vaccine worked.

At this time, all States were advised to start building their immunization plans in accordance with the Federal Guidelines. Phase 1 was to administer to patients in nursing homes, healthcare workers and first responders. Phase 2 was to administer the vaccine to citizens age 65 and older. Phase 3 was to administer to teachers and school support staff and kids in school and Phase 4 was to administer to the public.

Because we are an Advanced Life Support (ALS) Provider, we were asked to use our Paramedic's to assist in the administration of this vaccine and did participate in planning meetings with Public Safety and the Manatee County Health Department over the administration of the vaccine in both a closed pod system and open pod system.

In December, an interlocal agreement was approved by the Manatee County Health Department and our Medical Director allowing our Paramedic's to administer the vaccine. So far to present date we have administered over 40,000 shots to the residents of Manatee County Florida and still have a long way to achieve "Herd Immunity". However more vaccination sites are being established such as Publix, CVS, Walgreens, and the State of Florida is starting to open sponsored immunization sites and converting State Sponsored Testing sites to Vaccination Sites.

Around November 2020, following the Governor's orders, we began to transition back to normal Board Meetings but maintain social distancing and the use of masks and to still allow the public to attend virtually. Our other business processes are slowly returning to normal, with meetings being held both in-person and virtual and still maintain mask and social distancing rules. Daily health checks of all employees are still being required. The CDC projects that we will still be dealing this pandemic until Spring 2022.



### **Accomplishments Achieved in 2020**

The Southern Manatee Fire Rescue District strives to perform at the highest level of service to its citizens. Our members are always ready to take on new challenges. It is through the dedication of each department member and the outstanding support from the community and the Board of Fire Commissioners that allows the District to be successful.

The District continues to use the Strategic Planning Process to guide the organization through economic and political times. Our plan outlines the District's goals and objectives for the present and future and allows us to track their accomplishments while delivering the most cost-effective level of service to the citizens of Southern Manatee.

The following is a list of a few of our accomplishments that were achieved during the past few years:

- February 2018 the District began sending personnel to Paramedic school and for 2020 we currently have 2 Firefighter/EMT's at Suncoast Technical College.
- The District now has 18 State Certified Paramedic's.
- On December 16, 2019, the State of Florida issued ALS License #10019 to operate ALS Non-Transport Engines.
- On January 13, 2020 we began operating Advanced Life Support and placed Engine 351 in service as our first ALS Engine and then on September 14, 2020 Engine 341 became our second ALS Engine. From January 13 to December 31, 2020 both Engines ran 827 Advanced Life Support calls.
- February 2020 our President declared a National Emergency due to the COVID-19 Pandemic. From February 2020 to December 2020, we have been impacted by 3 waves of this virus and with each wave more citizens have become infected. This virus impacted our response, operation, and the ability to conduct normal business activities.
- In late February 2020, the Fire Service agencies and Manatee County Public Safety began operating under a Unified Command System and Southern Manatee was placed in charge of Logistics – Personal Protection Equipment (PPE) for all Fire Service agencies.
- Operating under a unified command system we developed common response protocols, exposure protocols and shared resources.
- Since the COVID-19 Pandemic impacted normal business processes we had to re-think and come up with new ways to maintain non-stop procedures, such as fire inspections, conducting training, meetings, requests for public education and screening of both employees and the public before making entry into our administration office. Everyone did outstanding in coming up with new business practic-

es to maintain service delivery to our citizens.

- In December 2020, the District took delivery of a new 2020 Impel Class A Pumper, Engine 351. Since 2015 we have replaced our entire fleet of Engines, a new Ladder Truck, Hazmat Rescue, and Battalion vehicle.
- In 2016 the District began replacing all our 800 MHz radios that were old and non-P-25 compliant, with new P25 Radios that will be able to work on the new radio system. The Sarasota-Manatee 800 MHz project installed their final towers and radio equipment at the new and existing sites and did go live in both counties during March 2020.
- During July 2020, down slope of the 2<sup>nd</sup> wave of the pandemic, we held a one-day Advanced Cardiac Life Support (ACLS) recertification course for all our Paramedic's to get them all on the same renewal date. At the same time of conducting this course, I was able to get Captain Thayer and Lieutenant Anderson signed off as ACLS Instructors.
- Since December 2015, the District has submitted and has been awarded fourteen (14) grants for the donation of the Naloxone (Narcan) Narcan Nasal Spray and Narcan Luer-Lock Syringes. To date we have received over 1850 doses and these were distributed to all the Fire Districts in Manatee County for the treatment of an overdosed patient on heroin.
- Since its creation, the District has received eleven (11) Safety Grants through Preferred Training Incentive Program for Safety (TIPS) grant program. So far, the TIPS has funded our Driving Simulator, Binder Lifts, Nomex Hoods, Search & Rescue Safety Rope Kits, and other safety related equipment such as Secunet III Devices to cover a steering wheel airbag that has not inflated and a Polar Breeze air conditioner for rehab. For 2020 we used this grant for reimbursement of PPE that was used by SMFR personnel during COVID-19 responses.
- The District continuously makes enhancements to our website for the purposes of making it easier for a citizen to find and obtain documents. Any new ADA requirements are immediately made ensuring that our website is complying. In 2020 the District began operating our own FaceBook page as another form of communication to the public. In February 2020 we made changes to our website to include and link to the CDC's website, State of Florida Department of Health and Manatee County Health Department that provides the public with constant updated information over the COVID-19 pandemic.
- Dr. Bencie of the Manatee County Health Department and Public Safety Director Jake Saur invited me to participate with them in "Operation Vaccination". We worked on both a "Closed Pod" system to immunize healthcare workers and an "Open Pod" system for the public. Immunization with the new COVID-19 vaccines is to begin in January 2021. The plan is to first immunize healthcare workers and first responders and then 65-year-old and older. Additionally, under Florida Law, Chapter 401, the law allows Paramedic's to administer vaccine under the direction of their medical director. Southern Manatee entered into an agreement between the State, Manatee County Health and our Medical Director allowing Southern Manatee Paramedic's to assist in giving the vaccinations when it becomes available in 2021.



# IT'S THE FUTURE



If you believe Covid-19 is not the type of virus that effects information technology, you are greatly mistaken. The pandemic has changed the way we all do business. Technology is the key to doing business efficiently. Covid-19 presented many communication difficulties in 2020.

As the state started to go into lockdown, we updated the Continuity of Operations Plan (COOP) to ensure office personal could perform their duties from the safety of their own homes. Phones and computers were configured and tested for remote workers. The technology was put in place but thankfully not needed. Administration personal were able to safely work from their offices. Public meetings were held virtually using GoToMeeting to ensure the safety of the public and commissioners.

Support staff at the administration building discovered new ways to reach out to personal. DC Blanco starred in VLOGs (Video Blogs). We produced short films to make announcements regarding anything from changes in policy to decontamination procedures. The short films were then distributed via email.

As part of a new SLA (service level agreement) with Manatee County we replaced mobile gateways on all first out apparatus. Mobile gateways provide a cellular and GPS connection from the vehicle to the 911 center. These devices are now under contract for future updates and will be replaced with new equipment every five years.

Early in 2020 Manatee County radio division completed a cutover to the new P25 system. Our existing mobile and portable radios were reprogrammed for the new technology. P25 allows the best level of interoperability between counties. Users on the new system have noticed better signal and superior audio quality.





### **HR Accomplishments for 2020**

In 2020 Human Resources, like all facets of an organization faced some very unique challenges due to the Pandemic of COVID-19. It was only through a “team-effort” that these obstacles were able to be overcome. The effects of this pandemic will be felt for years to come and will play an integral role in policies and procedures in our future.

Some of the notable 2020 HR successes are:

- SMFR successfully added an additional Advanced Life Support apparatus (E-341). The addition of this unit dictated HR adjustments in several areas, including specialty pay, insurance(s), licensing, and many other areas.
- We are entering our final year with our audit firm CS&L. It is the District's desire to remain with this firm and we are currently awaiting an engagement letter from CS&L expressing their desire to remain with SMFR.
- Assisted with Healthcare negotiations. SMFR was very pleased to see a single digit increase of 7% for our annual health insurance premium, along with no increase in our dental or vision premiums. Due to this modest increase, we were able to stay with Cigna as our health, dental, and vision insurance. Once again Cigna was gracious enough to increase our annual wellness allotment an additional \$5,000 which puts our annual commitment at \$25,000.
- 2020 was the final year of our SAFER Grant (2018-2020). Although due to COVID-19 the grant administrators got back-logged and forced our reimbursements to be a couple of months deficient. SMFR will receive the full amount of the grant, however it will take until approximately June of 2021 until we will receive the last amount of the grant.
- We continue to enjoy a beneficial relationship with Rescuer Pro (payroll conversion software). As with everything in 2020 COVID-19 also played a big part in payroll due to absences, overtime, and other aspects, but we were able to maneuver through these challenges and ensure personnel were paid correctly. Several adjustments were made to Rescuer Pro in order to accommodate the changes.



- We continued to invest with Water-Walker Investments. Although the stock market saw a rise the offset to this was that the bond market dropped significantly and we were not able to match the earnings on investments we had in 2019. However, we still were able to see decent earnings on the year as a whole. This investment is strictly limited to governmental entities and is rated AAaF / S1+ by S&P Global Ratings.
- SMFR's goal of limiting paper and paper storage continued in 2020. Stevens & Stevens has proven to be a great relationship in this area. We have expanded our cloud storage and continue to lessen our dependency with on-site storage of paper documents.
- The Pandemic of COVID-19 has been and will continue to be in the forefront of our minds and in many ways will dictate the future of human resources and how we operate. Southern Manatee Fire Rescue has the personnel and the skill set to navigate these turbulent waters and we will overcome this. SMFR will come out the other side of this with a renewed dedication to purpose that will only enhance our determination. At the end of the day the one thing that truly separates Southern Manatee Fire Rescue from other departments are the people and their individual investment in the organization.





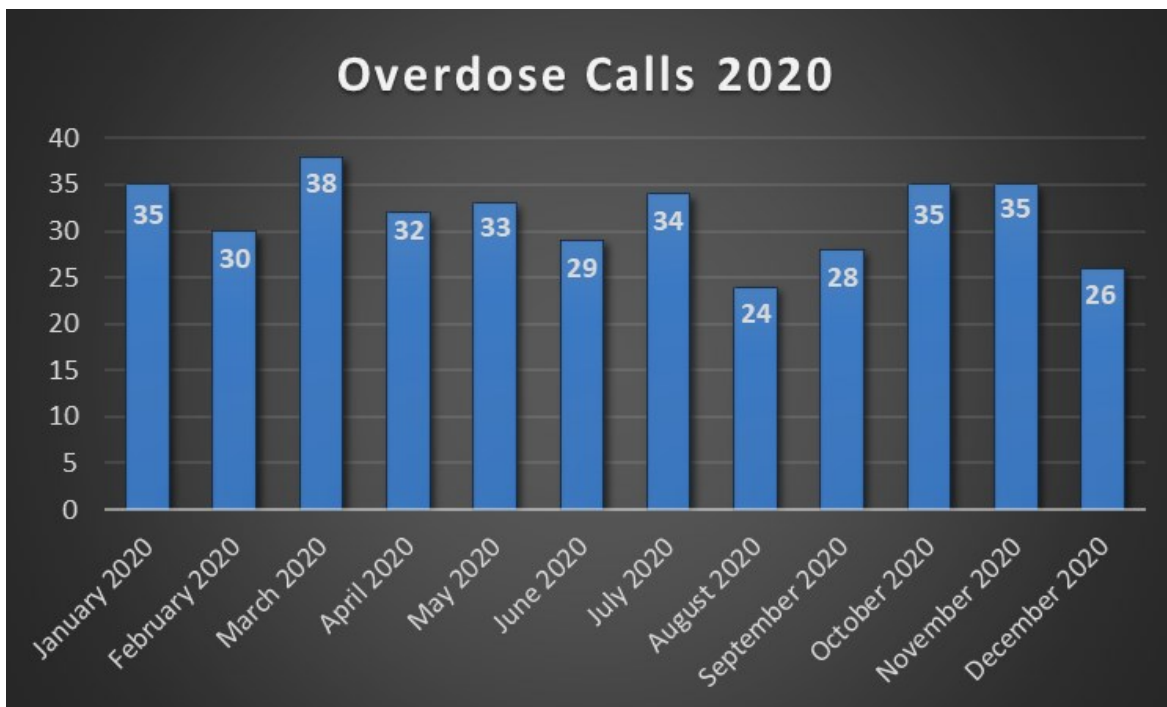
# Emergency Medical Services

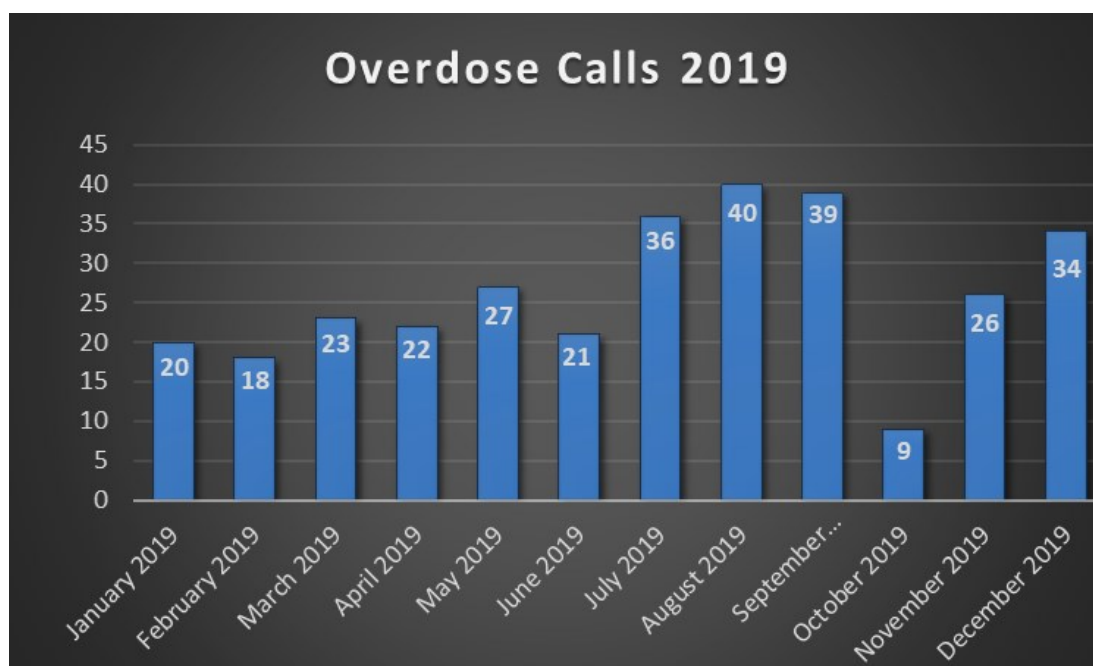
The Southern Manatee Fire Rescue District responded to 4852 medical responses during 2020, which represents 65.62% of our total responses.

In December 2019 the District obtained their State of Florida Advanced Life Support License for operating ALS Non-Transport Engines. The District currently has 18 State Certified Paramedics and 2 in the final segment of Paramedic school. The District began operating its first ALS Engine, Engine 351 on January 13, 2020 and then placed their second ALS Engine, Engine 341 in service on September 14, 2020.

From January 2020 through December 2020 the information provided below is a breakdown of the incident types as well as the appropriate protocol that our personnel utilized prior to the arrival of Manatee County Emergency Medical Services.

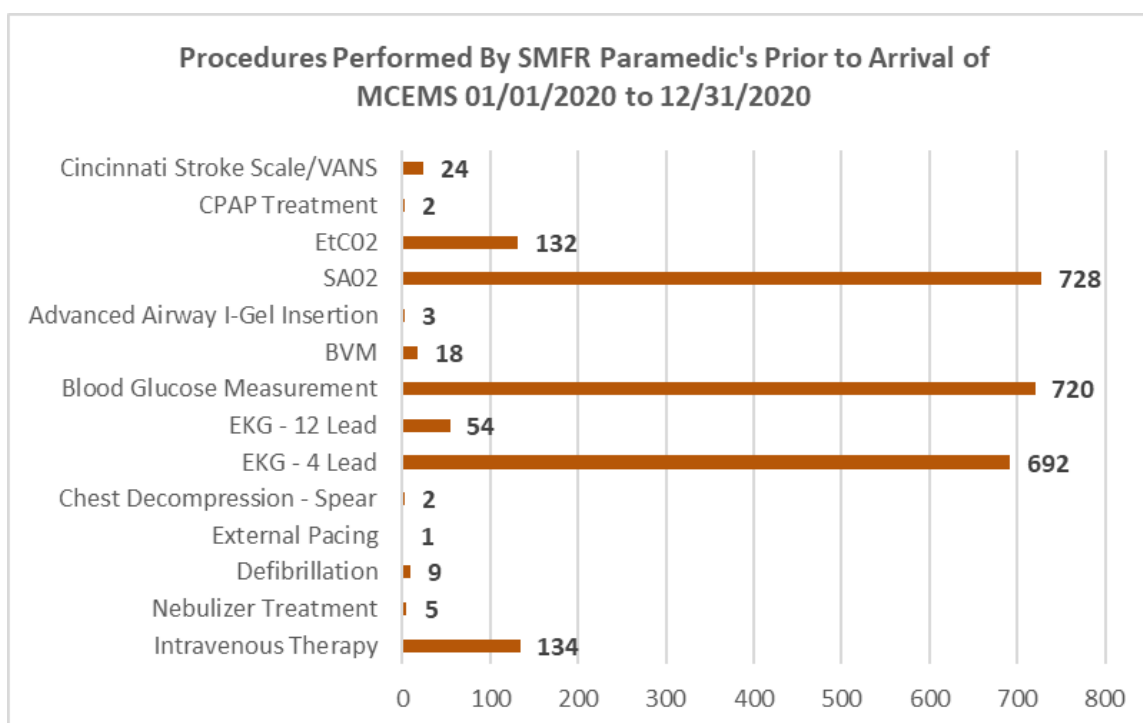
In 2020 our responses (379) to overdoses increased compared to 2019 (315) with most of these cases involving overdoses on Heroin and Heroin lanced with another powerful opioid such as Fentanyl or Carfentanil.





In 2020 we did submit grants twice to the Florida Department of Health Hero's Program for their Narcan and did receive these grants for a total of 400 doses. This Narcan was distributed among all the Fire Districts with the bulk of it going to Southern Manatee Fire Rescue and Cedar Hammock Fire District due to the high call volume of overdoses that our Districts respond on.

The chart below are the skills performed by our Paramedic's during the time period of January 1, 2020 to December 31, 2020:



The chart below shows the medications that were administered by our Paramedic's during the time of January 1, 2020 to December 31, 2020 and on the next page identifies the Primary Impression and Protocol used to treat the patient:

↑ eso ANALYTICS Medication Breakdown

Counts

	Jan '20	Feb '20	Mar '20	Apr '20	May '20	Jun '20	Jul '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20	Jan '21	Total
Adenosine		1						1						2
Albuterol		1								1	1	2		5
Amiodarone											1			1
Aspirin		3						1	1	6	8			19
Ativan												1		1
Atropine			1											1
Atrovent		1								1	1			3
Benadryl				1				1						2
Cardizem		1												1
Dextrose 10%						1				1	1			3
Diltiazem		1												1
Dopamine											1			1
Epinephrine 1:10			1				2			4	5			12
Haloperidol				1										1
Ketamine												1		1
Narcan	2			1	2	5				2				12
Nitrostat		4							2		5			11
Oral Glucose									1					1
Sodium Bicarb 8.4%			1							1	1			3
Solu-Medrol											1			1
Toradol		1							2					3
Versed								1						1
Zofran	2	1							2		1			6
Total	4	14	3	3	2	6	2	4	8	16	26	4		92

↑ ESO Primary Impression Breakdown

Counts

	Jan '20	Feb '20	Mar '20	Apr '20	May '20	Jun '20	Jul '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20	Jan '21	Total
Abdominal Pain	2	2	4		1	1	1		3	6	10	5		34
Acute Pain, not elsewhere classified		3	1	1	1			1				1		8
Acute Respiratory Distress (Dyspnea)		1	2	2	1		3	1	2	5	1	1		18
Alcohol dependence with withdrawal		1					1							2
Alcohol use	1	1	1		3		1	2			6	4		19
Allergic Reaction						1	1	1		2				7
Altered Mental Status		1	2	1	1	4	1	1	1	2	7	5		22
Angina pectoris					1						1			2
Anxiety reaction/Emotional upset	1	2	3	1	1	4	3	1	4	5	9	3		37
Asthma			1							1				2
Back Pain		2			1	2	2			2	3	4		16
Behavioral/psychiatric episode		1			1		1		2	2		1		8
Cardiac arrest		1	2	2	1	1	2		2	2	1	1		13
Cardiac arrhythmia/dysrhythmia		1	3			1	1	3		1	2			12
Chest Pain / Discomfort	1	10	2	1	3	4	1	1	3	6	16	2		50
Chest pain on breathing					1					1				2
Chest Pain, Other (Non-Cardiac)		1				1				3	1	1		7
Chronic Obstructive Pulmonary Disease (COPD)									2	1		2		5
Common Cold			1											1
Confusion/Delirium			1						1	2		1		5
Congestive heart failure (CHF)			2								1	1		4
Constipation		1							1					2
Cough		1	1			1					1			4
COVID-19 - Confirmed by testing												2		2
COVID-19 - Exposure to confirmed patient											1			1
COVID-19 - Suspected - no known exposure											1			1
Dehydration						1			1					2
Diabetic Hyperglycemia		2				1			1	2	3			9
Diabetic Hypoglycemia		1	1			1			1	2	3	1		10
Diarrhea			2							1				3
Dizziness			1			1	1		2		2	1		8
Dysphagia											1			1
Epistaxis		1												1
Esophageal obstruction						1		1		1				3
Extremity Pain	2	3			3	1	1	1	2	2	6	2		21
Eye Pain					1									1
Fatigue								2	1	1		1		5
Febrile Seizures					1									1
Fever	1		1					2			1			5
Foreign Body in Respiratory Tract					1									1
Gastrointestinal hemorrhage									1	3	2	1		7
Generalized Weakness	4	12	7			5	6	4	7	9	16	6		76
Headache		1			1		1					1		4
Heat Exhaustion					1			1			1			3
Hemorrhage		2	1		1	1	2	1		3	3	1		14
Hypertension		1		1	1		1		4		1			9
Hypotension	1		1			1	1		1					4
Injury	1		3	2		1	2	3	9	5	7	2		35
Injury of Ankle			2		1	2			2	1	1			9
Injury of Elbow									1					1
Injury of Face			3	1		1	1		1	1	1	2		10
Injury of Foot								1			2			3
Injury of Forearm									1		1			2
Injury of Head		6	1				4	3	3	3	5	3		28
Injury of Hip		2	1	1	1			3	1	1	2	1		10
Injury of Lower Back						1								1
Injury of Lower Leg				1							2	1		4
Injury of Neck					1				2	1				4
Injury of Pelvis						1			1					2
Injury of Shoulder or Upper Arm								1		1	2	1		5
Injury of Thigh (Upper Leg)		2		1					2					5
Injury of Thorax (Upper Chest)												1		1
Injury of Wrist, Hand, or Fingers		1			1	1								3
Kidney stones		1				1				1		1		4
Laceration/Abrasion/Hematoma (minor surf.)	1								3	1				5
Malaise									1			1		2
Mental disorder											1			1
Migraine											1			1
Nausea	1	1					1			1	1			5
No Complaints or Injury/Illness Noted	1	4	6	1	4	2	4	3	1	4		1		31
Obvious Death				1							1	1		3
Orthostatic Hypotension					1									1
Overdose - Alcohol	1													1
Overdose - Benzodiazepine							1		1					1
Overdose - Cocaine														1
Overdose - Heroin						2				1		1		4
Overdose - Other opioids	1				1	1		1	1					5
Overdose - Unspecified			1		1	1	1				1			9
Pain (Non-Traumatic)	3	2			1				1			2		6
Patient assist only			1				1	1	3	4	1			11
Pitting Edema										1				1
Pneumonia				1										1
Poisoning / Drug Ingestion							1		2	1	1	1		6
Pregnancy related conditions											1			1
Respiratory disorder		1							1					2
Respiratory Syncytial Virus (RSV)		1												1
Seizures	1	1	1	1		2	2	3	4	1	7			24
Seizures without status epilepticus												1		1
Sepsis/Septicemia		1				1			1					3
Shortness of breath		1		1	1		1		5		2	3		14
Skin infection								1						1
ST elevation (STEMI) myocardial infarction		1												1
Stroke	1	2		1	1	2	2	2	2	5		5		23
Substance abuse												1		1
Suicidal Ideation											1			1
Suicide attempt		1												1
Syncope / Fainting	3	10	3	2	1	4	1	2	5	6	5	4		46
Unconscious				1		1		1			2	2		7
Urinary Tract Infection (UTI)												1		1
Visual Disturbance										1				1
Vomiting		1	1						2					4
Total	27	91	63	24	39	54	53	43	95	105	148	85		827

# Cardiac Arrest Statistics

Annually, 326,200 people experience out-of-hospital cardiac arrests in the United States. Of those treated by emergency medical services, 10.6 percent survive. Of the 19,300 bystander-witnessed ventricular fibrillation cardiac arrests, 31.4 percent survive.

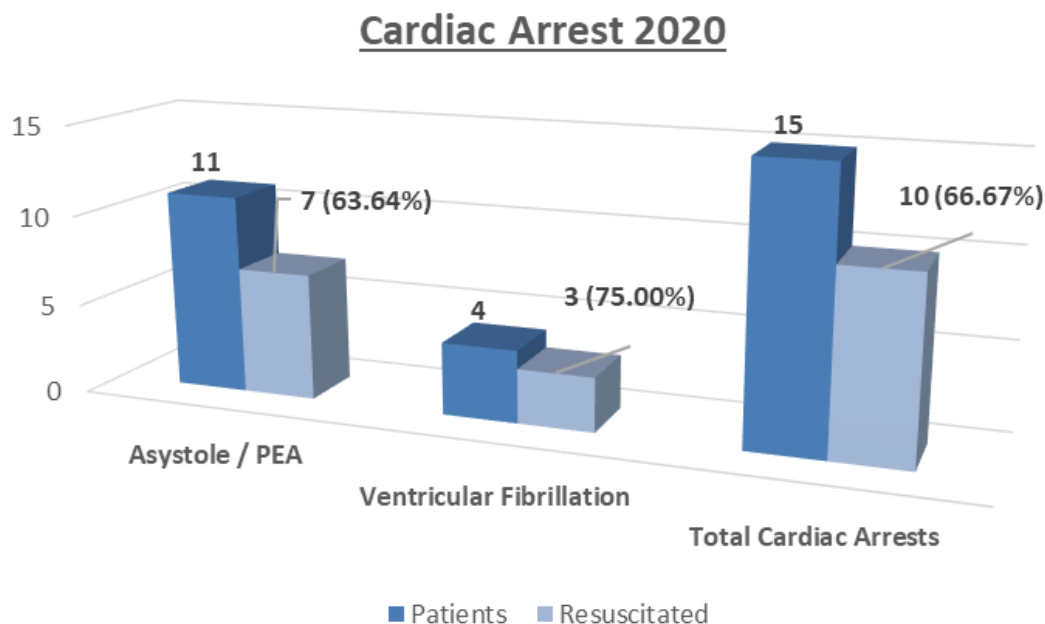
Out-of-hospital cardiac arrest patients in ventricular fibrillation has a greater chance of survival if the event is witnessed by the public with immediate calling of 9-1-1, starting BLS-CPR, and rapid deployment of an Automatic External Defibrillator (AED), rapid response of both Basic Life Support and Advanced Life Support.

It is statistically proven that for every minute that goes by that a heart is in ventricular fibrillation the chances of converting to sinus rhythm with pulses decreases by 10 percent and in 10 minutes, the chances of resuscitation drop to 0%. That is why it is imperative to immediately call 9-1-1, start CPR, deploy an AED and ensure a rapid response of Fire and EMS.

From January 1, 2020 to December 31, 2020, the Southern Manatee Fire Rescue responded to 15 cardiac arrest events. Out of 15 cardiac arrest events, the District along with Manatee County EMS resuscitated 10 or **66.67%**, meaning restored pulses. Listed below is a breakdown of the type of events:

Ventricular Fibrillation – 4

Asystole / PEA (Pulseless Electrical Activity) – 11







## 2020 Annual Report: Operations

Southern Manatee Fire Rescue is an ISO Class 3 fire department and is committed to providing our community with prompt, effective and fiscally responsible service by efficiently utilizing available resources from both within the department and from outside agencies. Southern Manatee Fire Rescue also actively seeks and has obtained grant funding for equipment, supplies and training to aide in our endeavor.

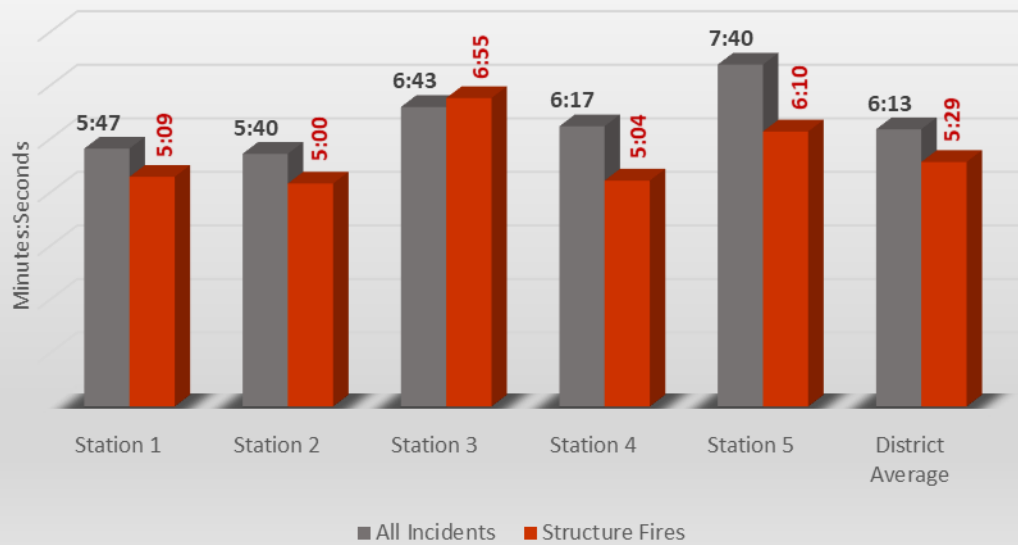
Southern Manatee's Operation Division's foremost responsibility is responding to and mitigating emergencies calls by providing essential services in the areas of emergency medical services, fire suppression and hazardous materials response.

The Operations Division is led by the Deputy Chief of Operations and three separate Battalions. Each Battalion is comprised of (1) Battalion Chief, (6) Lieutenants and (21) firefighters. The Operation Division's Battalions are divided into three separate shifts A-B-C, each comprising of 28 personnel who work a 24/48-hour shift schedule. Our personnel work out of 5 fire stations housing a total of 84 full time employees, and are supported by a Fire Training Captain, a Hazardous Materials Training Captain and a Facilities Maintenance person. The Operations Division staffs five class A fire engine pumpers, a 107' aerial ladder/pumper and a Hazardous Materials response truck. This year SMFR responded to over 7395 emergencies with an average response time being 5:02 minutes. In 2020 Southern Manatee Fire Rescue experienced an 10.23%, district wide, call volume increase compared to a 10.08% increase in 2019.

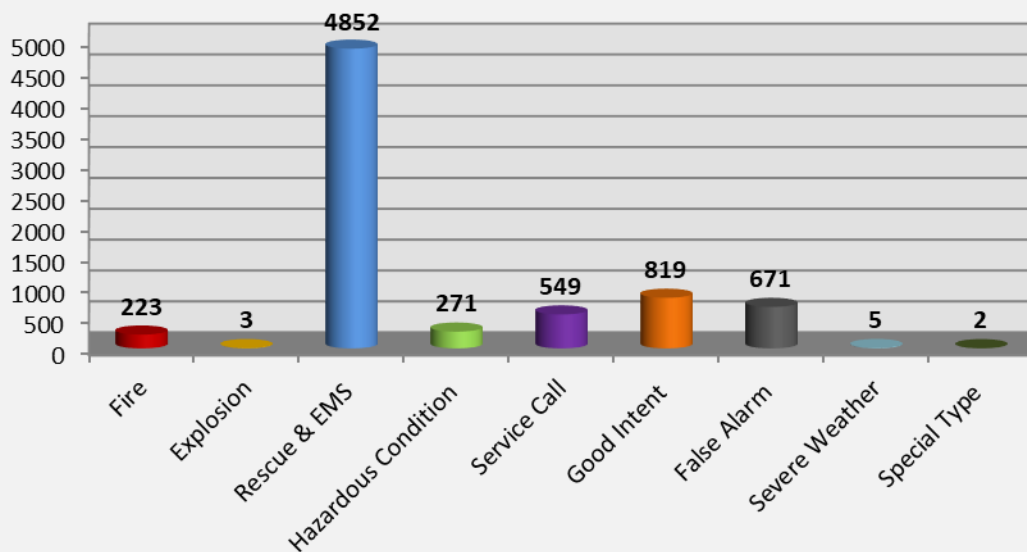
Each year we strive to improve the level of service provided to the community. It has been determined that patient survival is directly related to the amount of time it takes to receive treatment, therefore we work extremely hard to ensure rapid responses and we continuously train to keep up with modern technology regarding basic and advanced life support. Most of the time fire departments are the first emergency responders to arrive at the scene of a dispatched medical emergency, this offers the fire crews primary access to patients for initial treatment. By expanding our capabilities and placing medications and other equipment on the fire engines medical treatment can be started sooner rather thus increasing patient survival rates. With direction and support from our Fire Chief the Operations Division has aligned its focus on establishing an Advance Life Support (ALS) program within the department. The goal to have a second ALS fire engine ready for service by end of year 2020 was met and the new ALS pumper went to work in September of 2020.

Southern Manatee also enhances its service to the public through a series of agreements which allow our organization to cooperate with local and state agencies to provide and receive additional crews and resources during disasters and in times of need. Southern Manatee cooperates with our neighboring fire departments and have agreements in place which provide for "Move-Ups" from nearby fire departments to help cover the district during times of exceptionally high call volume so you as a resident are never left unprotected. We are honored to be your fire department.

### 2020 Response Times - Station Averages

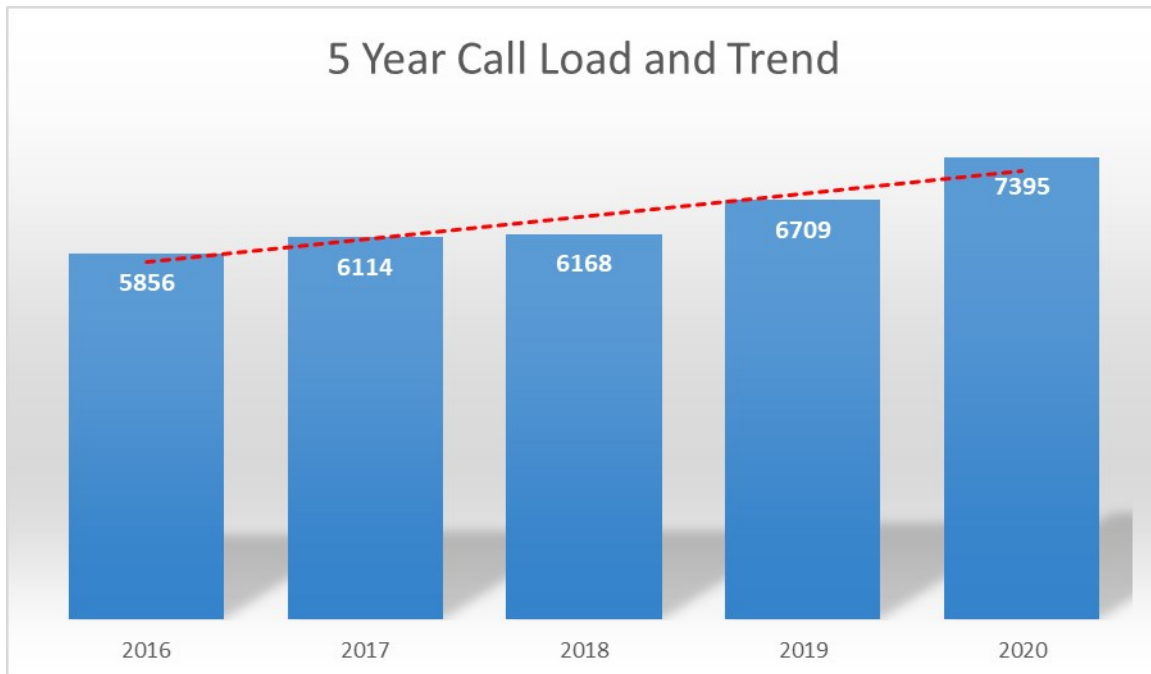


### 2020 Calls By Type

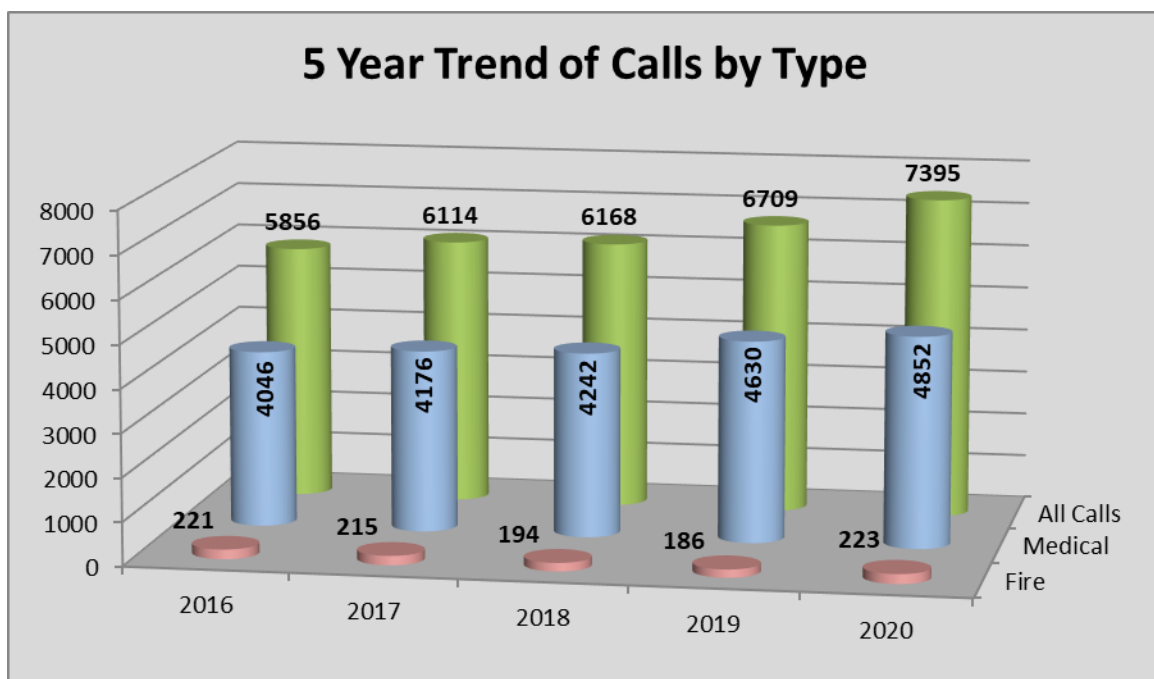




### 5 Year Call Load and Trend

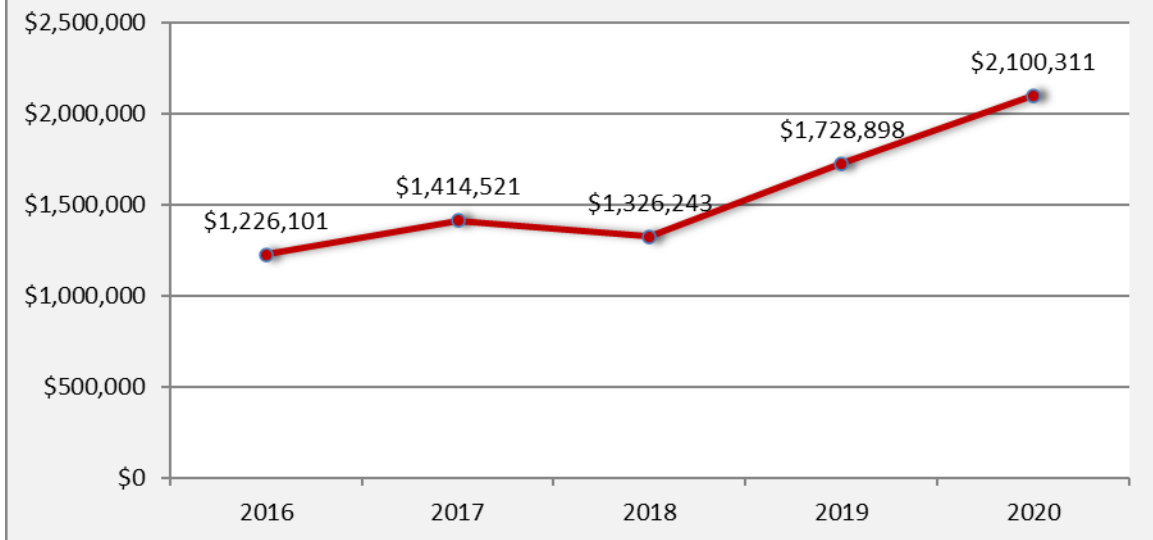


### 5 Year Trend of Calls by Type

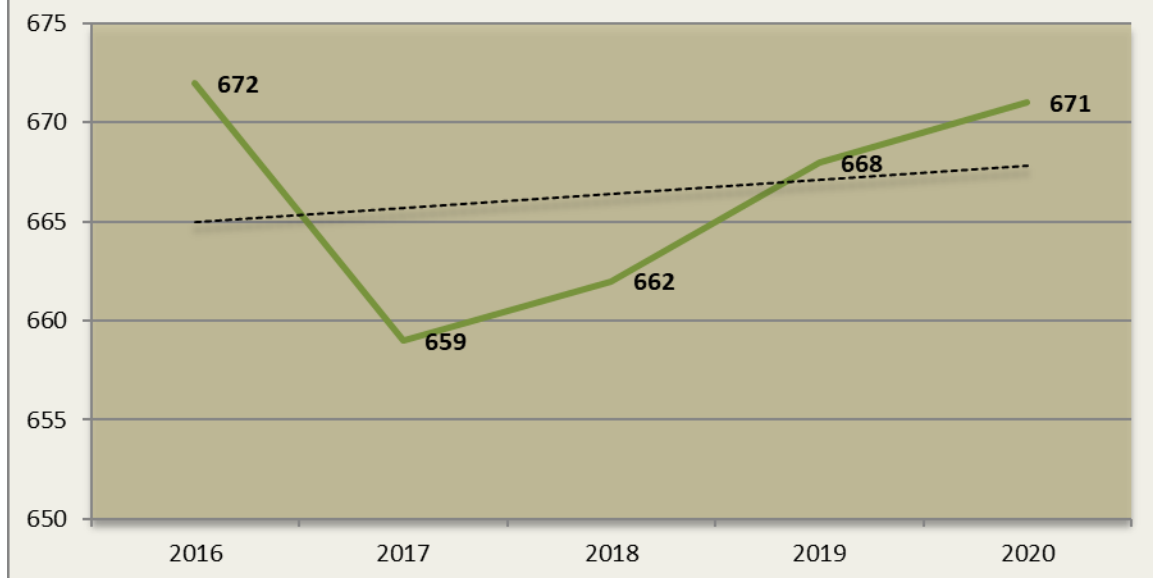


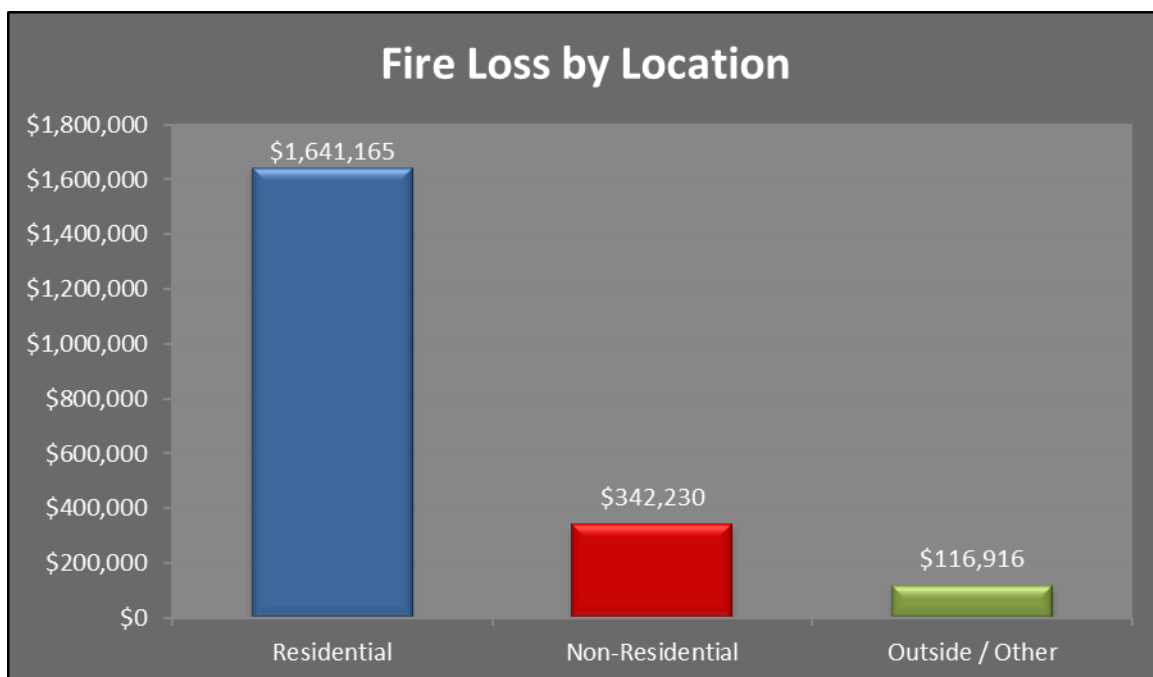
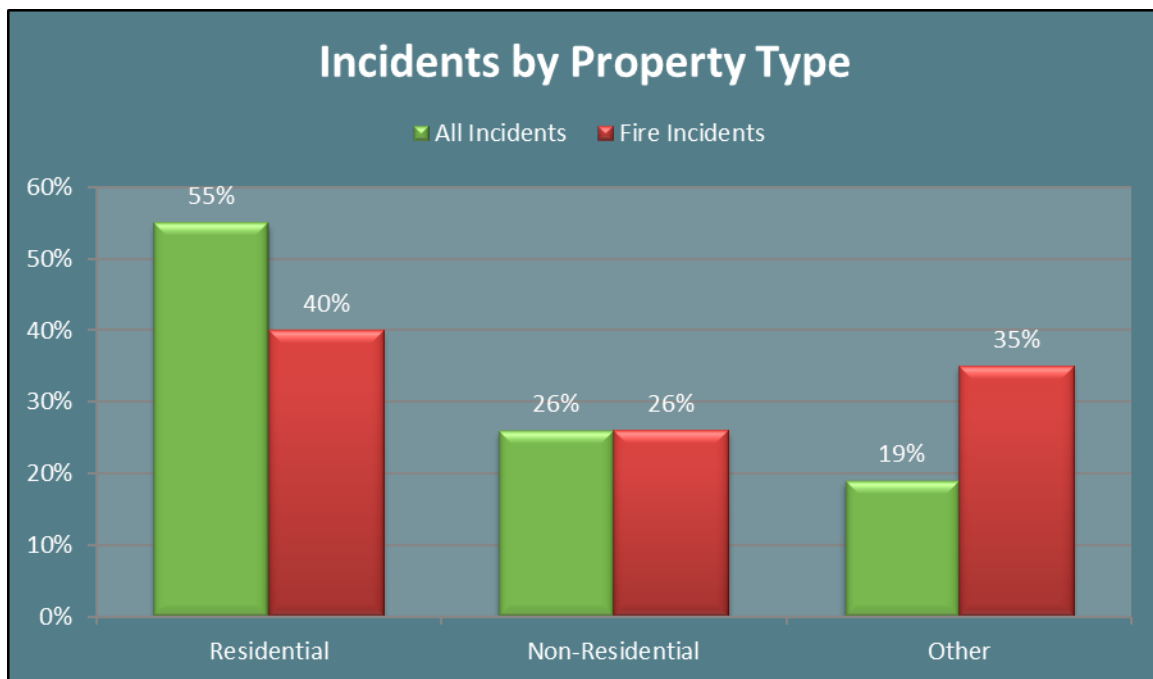
### 5 Year Trend in Fire Loss

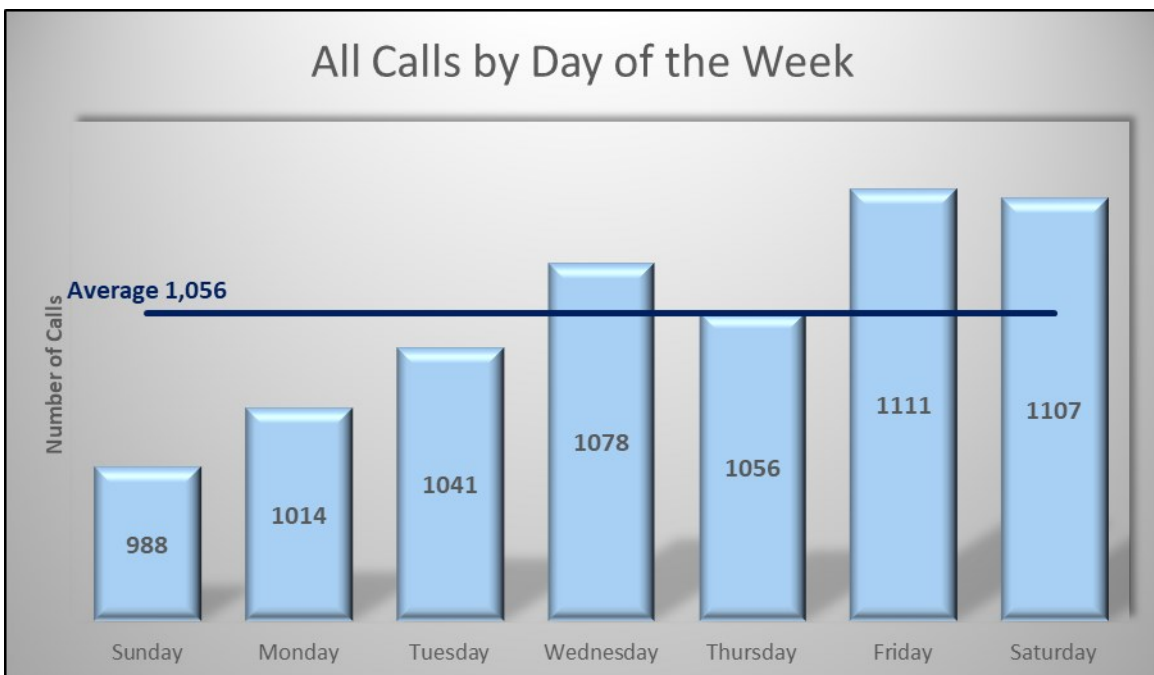
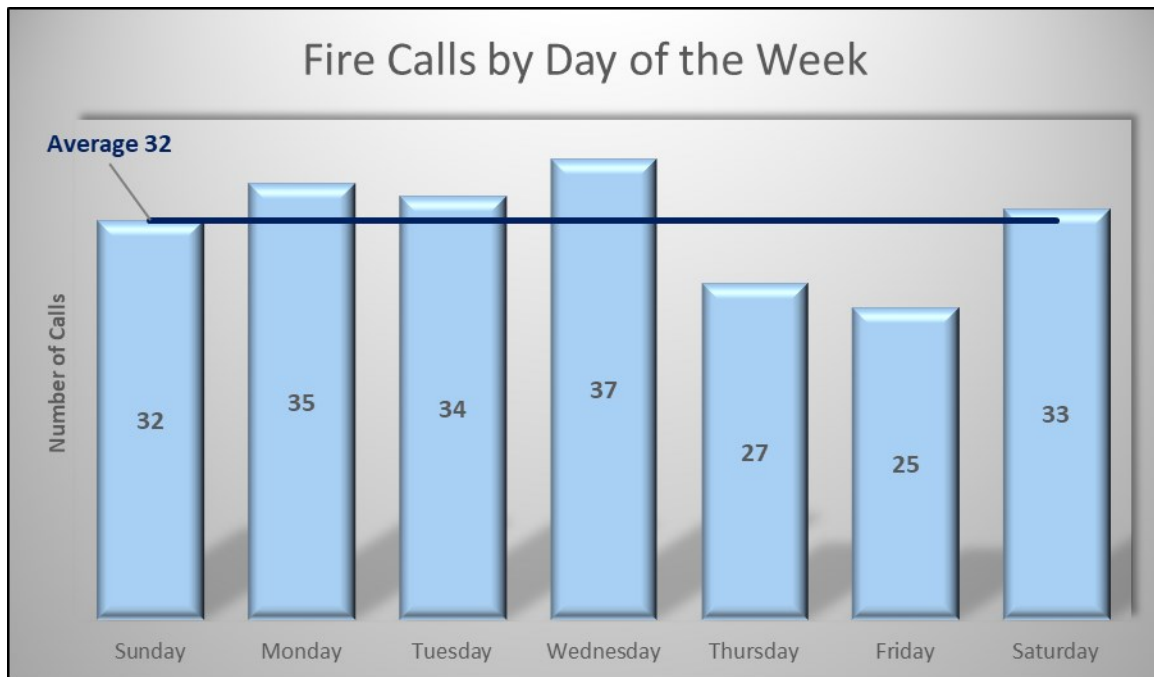
(Property & Content Combined)



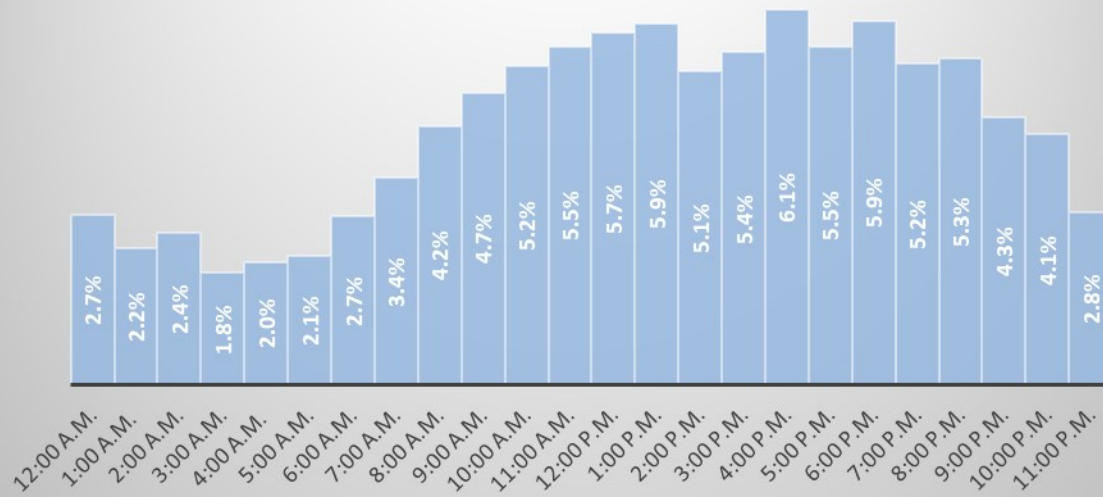
### 5 Year Trend of False Alarm Incidents



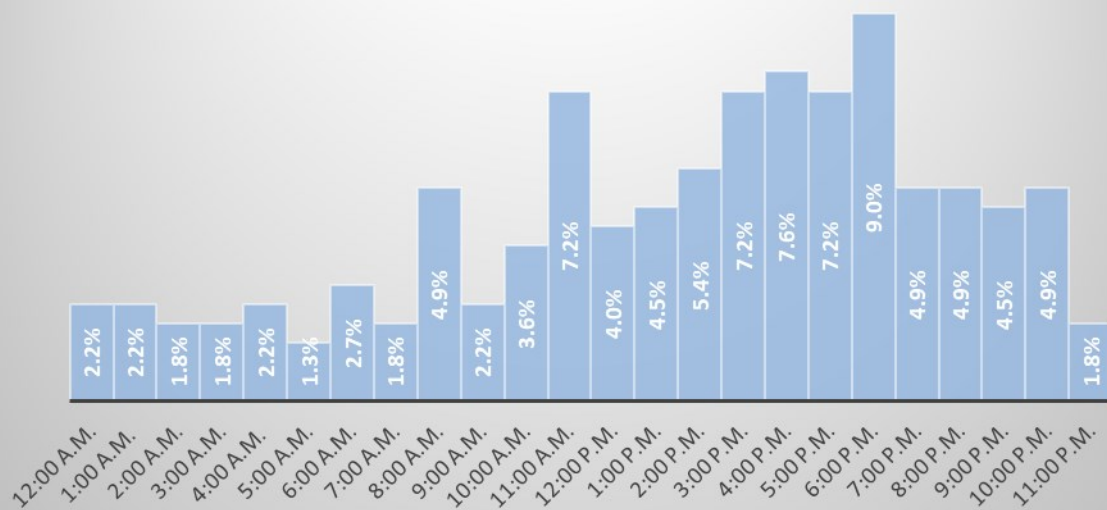


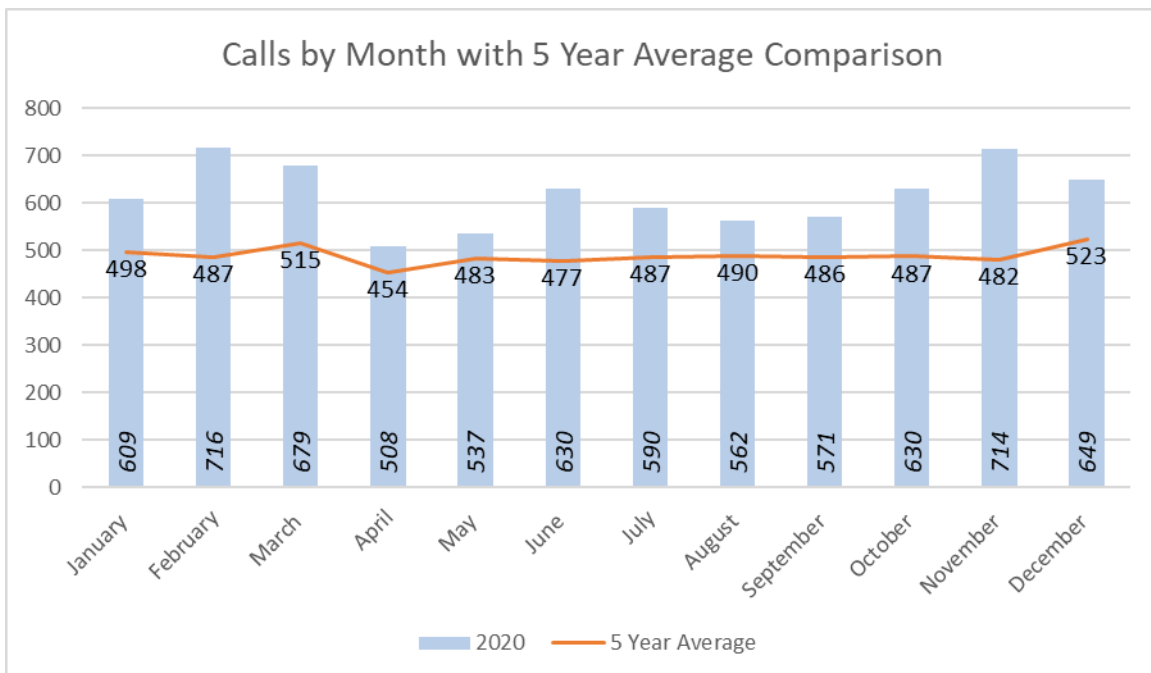
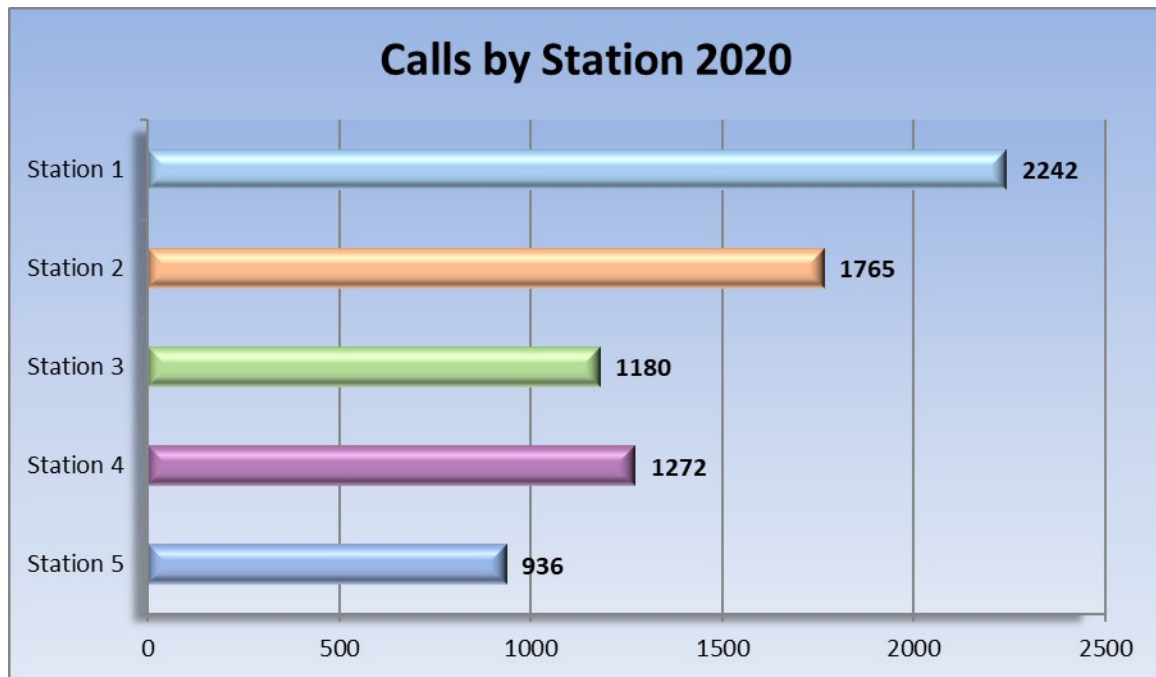


### All Calls by Time of Day



### Fire Incidents by Time of Day





## Mutual Aid by Agency and Type, Summary

### Bradenton Fire Department

Automatic aid received	4
Mutual aid given	5
Automatic aid given	3

### Cedar Hammock Fire Rescue

Mutual aid received	2
Automatic aid received	14
Mutual aid given	16
Automatic aid given	31

### East Manatee Fire Rescue

Mutual aid received	4
Mutual aid given	9
Automatic aid given	16

### North River Fire District

Mutual aid given	7
------------------	---

### Sarasota County Fire Department

Mutual aid given	2
------------------	---

### Trailer Estates Fire Department

Mutual aid given	1
------------------	---

### Other

Mutual aid given	35
------------------	----

## Customer Satisfaction Survey Program

The Southern Manatee Fire Rescue District is committed to providing high quality and efficient services to our community. One tool that we employ to insure that we are fulfilling our mission is through our Customer Satisfaction Survey Program. We mail a survey to randomly selected customers who have been served by our personnel. We compile the results and use the data to monitor the quality of our service and its impact. This data can be used to make changes in our service delivery if necessary.

We implemented our Customer Satisfaction Survey Program in December 2012. From this date to December 31, 2020 we mailed out 1324 surveys and had 1269 surveys returned, which represents a return rate of 95%. The rating is on a scale of 1 (Poor) to 5 (Outstanding). The survey looks at the following categories:

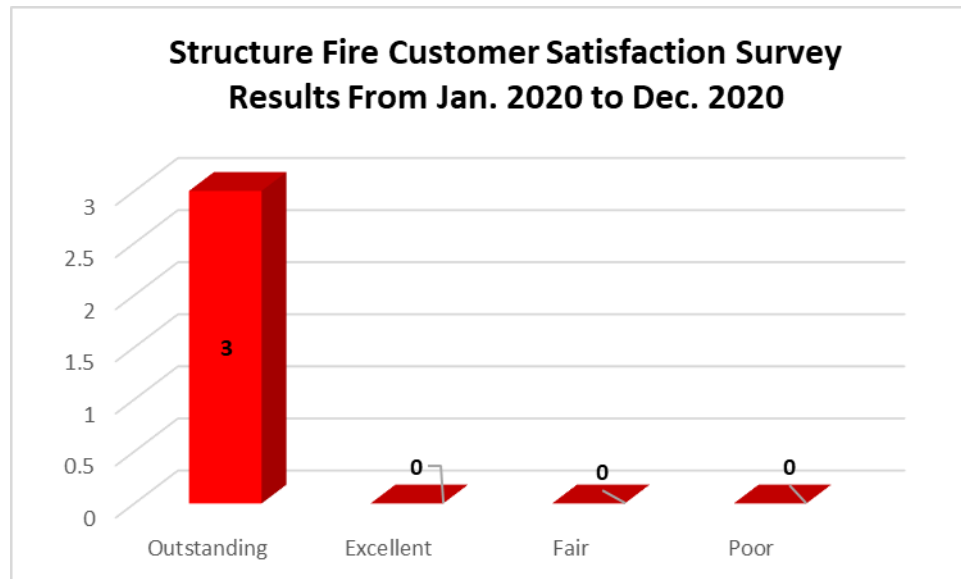
- Was the call handled in a prompt, courteous and competent manner
- Response time to the emergency was prompt
- Firefighters actions reduced property damage or resolved situation
- Firefighters acted in a concerned, caring and professional manner
- Firefighters provided customer service beyond my expectations
- The assistance provided to me was
- Rate the overall experience with the services provided by FD

The graph below are the results of all three shifts for EMS Related Calls:

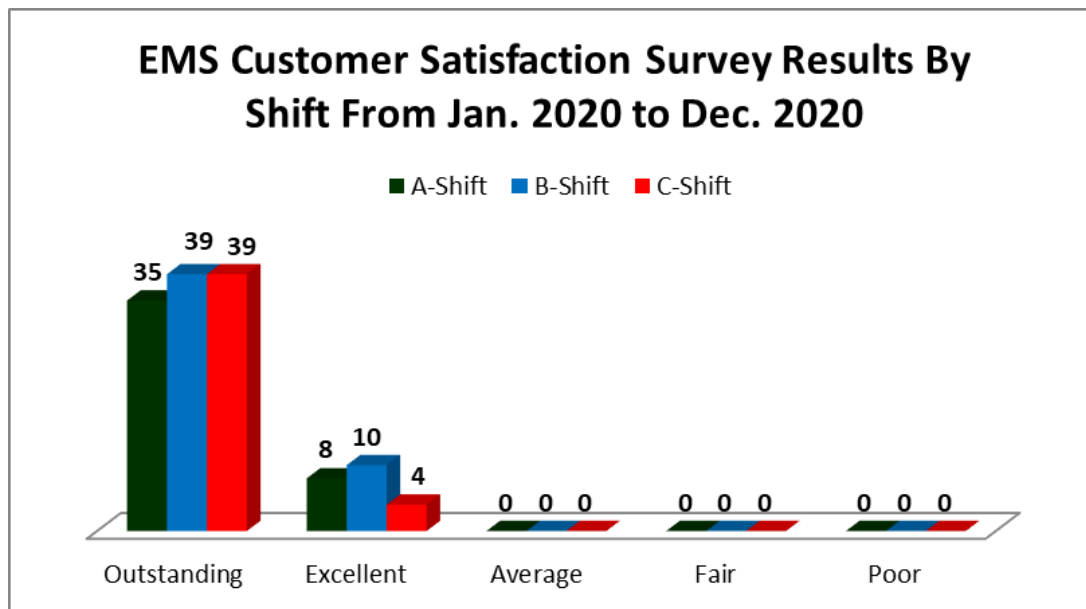




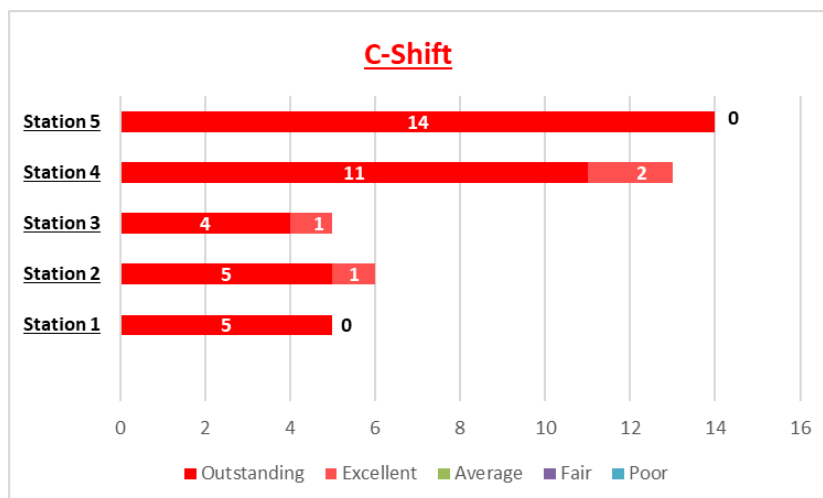
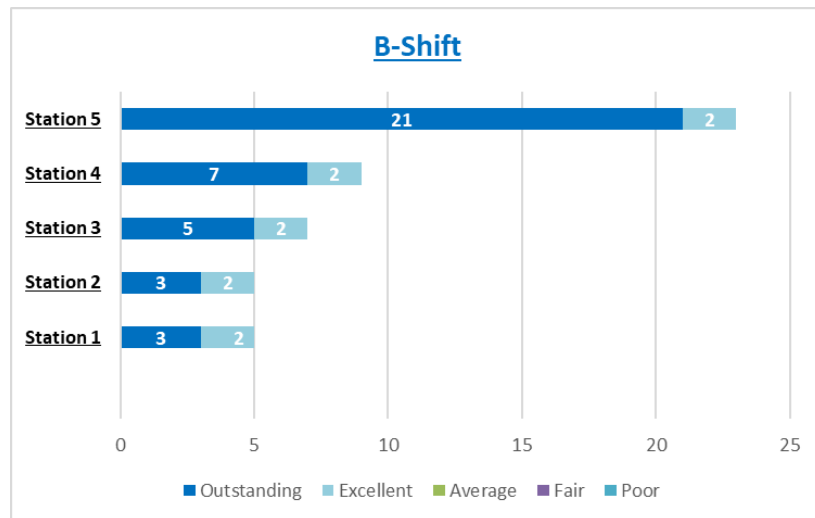
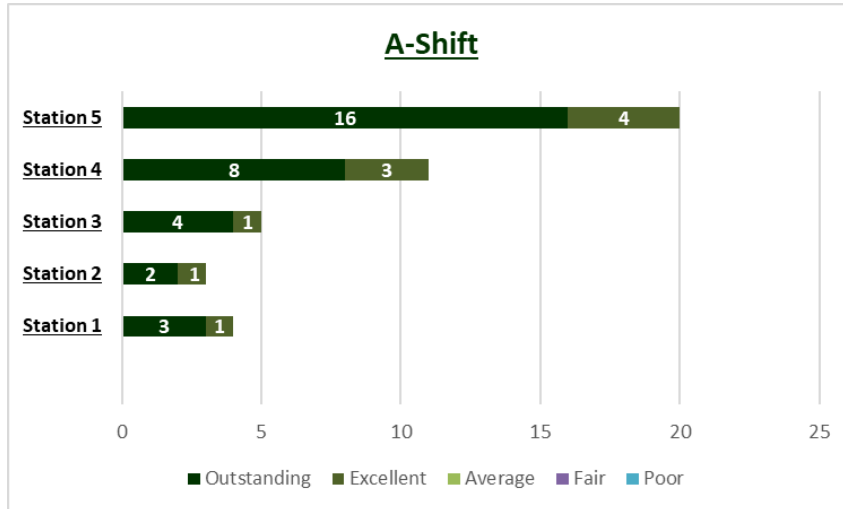
The graph below are the results of all three shifts for Structure Fire Calls:



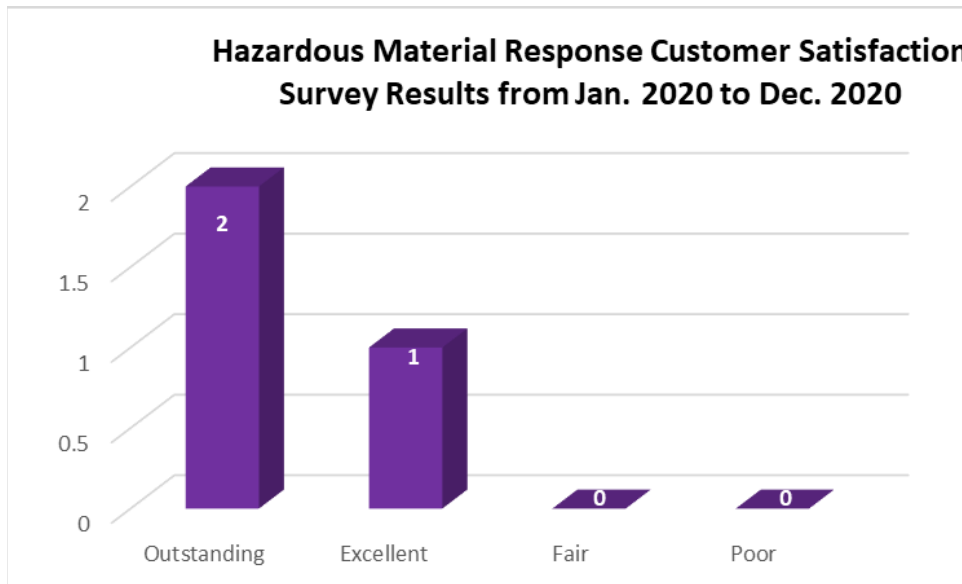
The graph below are the results broken down by our three (3) shifts:



The graphs below are by each shift and station and the results are combined EMS and Fire Customer Satisfaction survey results for 2020:



Below is the customer satisfaction survey results for Hazardous Materials Response:



Because of the COVID-19 Pandemic, schools were closed which prevented our Fire Prevention staff from conducting Fire Safety Programs in 2020. However, our Fire Prevention staff did create a Fire Safety video for the Manatee County School District on how to exit a classroom when the fire alarm sounds.

Listed below are some of the written feedback provided by our customers for 2020:

**01/01/2020** – *“Very Proud of your Team – Thank you!”*

**01/01/2020** – *“Your service was outstanding, we are very grateful, thank you very much!”*

**01/01/2020** - *“Too many questions before EMT’s are sent out to emergency!”*

**01/03/2020** – *“Service was excellent – thank you”*

**01/04/2020** – *“Your entire Team was kind, understanding, respectful & efficient. I liked that you didn’t have the siren on coming into our development, thank you!”*

**01/09/2020** – *“It was fabulous and we are very grateful”*

**01/24/2020** – *“Thank you so much for your kindness & caring help. I was in good professional hands and I am grateful”*

**02/09/2020** – *“Firefighters made me feel at ease, I felt like I was in good hands once they arrived”*

**02/10/2020** – *“Everything was as expected, thanks for a job done!”*

**02/20/2020** – *“They were professional and acted fast. Very thankful for their service”*

**02/28/2020** – *“Great Team Work!! They all appeared very knowledgeable with what they were doing, explained everything to me also. Great work!!! Thank you soooo much!”*

**03/09/2020** – *“Thank you”*

**03/19/2020** – *“They were outstanding!”*

**04/29/2020** – *“Everything was nice, thank you”*

**05/25/2020** – *“Your services have always been professional and have been overall excellent, thank you and stay safe!”*

**06/03/2020** – *“I can only say thank you for the time I called and the 911 operator answered to the arrival of the firefighters all showed great concern while preparing me for transport to Lakewood Ranch, Chief Gorski you have dedicated professional work-ing for you that are keen on providing the best service they can give. A million thank you’s wouldn’t be enough”*

**06/05/2020** – *“I was very satisfied with your service”*

**06/07/2020** – *“Thank you all for a professional, prompt, caring response! Great Job from an old Forest Ranger!”*

**06/08/2020** – *“They did a great job, Thank you!”*

**07/09/2020** – *“The response of the 911 operator and the firefighters was great and should be congratulated and if possible rewarded”*

**07/17/2020** – *“My husband dislocated his hip for the third time! Each time they have been so respectful, concerning and so very competent. Thank you”*

**08/07/2020** – *“You all were great, you arrived so quickly, GOD BLESS YOU ALL EVERYDAY!”*

**08/13/2020** – *“Appreciate the quick response and great care that was provided by your crew, thanks!”*

**08/22/2020** - *“Your Service is great”*

**09/15/2020** – *“Everything was extremely wonderful”*

**09/15/2020** – *“Everyone was great and helpful, thank you”*

**09/19/2020** – *“Team response from Station 5 was exceptional, knowledgeable, professional, concerned, thorough approach respecting the issues that COVID-19 has forced on the service. Could not have been better”*

**09/21/2020** – *“Thank you for helping me”*

**09/24/2020** – *“Everyone was very professional and caring, acted quickly on my behalf. Thank you for all you do”*

**09/28/2020** – *“Thank you “All” for being so kind”*

**09/29/2020** – *“Just wanted to write that the behavior of professionalism, the level of care to myself, and the reassurance that they gave my parents is epitome of the Fire Service. They definitely have the pride and ownership, please extend a warm thank you from one brother to another!”*

**10/09/2020** – *“No suggestions for improvement because you’re the very best! Thank you for all your help!”*

**10/17/2020** – *“Everyone was outstanding, made my husband and myself felt safe!!”*

**10/24/2020** – *“Your men are always on the ball”*

**11/02/2020** – *“Prompt, efficient, courteous, response and service, thank you”*

**11/06/2020** – *“The men and women who called on me from SMFRD were very professional and I cannot thank them enough”*

**11/07/2020** – *“You all are the BEST! Thank you”*

**11/14/2020** – *“You saved our lives twice, would not be here without your prompt help. You took all the steps necessary and with courteous, you are the best, thank you”*

**11/17/2020** – *“I firmly believe they saved my life. Firefighters have my undying loyalty, thank you”*

**11/27/2020** – *“The service couldn’t be better. Proud of our local Firefighters on 2 different occasions”*

**11/30/2020** – *“You guys are the BEST! Caring!”*

**12/04/2020** – *“Thank you”*

**12/15/2020** – *“ Outstanding services, keep up the great work!”*

**12/30/2020** – *“No improvements needed”*



## 2020 Special Operations Report

In 2014, the Manatee County Public Safety Department delegated the response of Hazardous Materials incidents to the Southern Manatee Fire Rescue District. This included all aspects that revolve around the four tiers of emergency response planning (1) response with a properly trained staff and equipment to mitigate hazardous materials emergencies, (2) preparedness in planning and monitoring threats in relationship of materials stored and consumed with our community, (3) mitigation practices that focus on life safety, protection of the environment, protection of property, and the protection of critical infrastructure. Lastly (4) recovery, which prepares our response for the next incident and administratively working with our community stakeholders that include public safety and industry. Our largest focus area has been in response; since our delegation as the primary response agency inside Manatee County, our department has responded to 686 requests for assistance. In 6 years we have observed a 70% increase in services rendered to a wide host of partners that include fire districts to federal agencies. These incidents include a wide range of emergencies such as natural gas leaks, suspected biological agent release, unexploded military ordinance, and UAS/ Drone assistance missions.



Members in training to become team hazmat technicians preform skills in the 2020 State Certification course.



Lt. Daughtrey and FF Sedgley operate at a fuel tanker roll-over accident in Palmetto, March 2020

Building a successful Type 1 hazmat team relies on equipment and personnel, it requires knowledge, skills, and abilities of organization. Our team is composed of 31 Florida State Certified Hazardous Materials Technicians. Behind the team management is composed of Battalion Chief Gould (A-shift) who serves as the team leader supported by Capt. Bloski (Administration). Technicians are spread through the 3-shifts at SMFR with shift leaders as follows: Lt. Foss (A-shift), Lt Tumolo (B-shift), and Lt. Kaliher (C-shift). This group forms the response policy and procedures, equipment repair, vehicle allocation, and budgeting that composes our regional response package. Our core values remain consistent to our mission package and strategic directions:

1: Trained personnel with knowledge, skills, and abilities to respond to multiple disciplines of Hazardous Materials Incidents.

2: Equipment packages following state guidelines to respond and carry out our mis-

sion statement.

3: Response to allow us the transport of personnel and equipment as required.

Continuing to meet our first goal of trained personnel to respond, in 2020 all department personnel completed over 6,521 hours of continuing hazardous materials response education. These hours also reflect the seven SMFR personnel that completed certification training to be eligible for team assignment. Of the 81 personnel assigned to the operations division, 40 personnel are state certified hazardous materials technicians.



SMFR Hazmat Squad carrying our UAS/Drone package. Each shift has a dedicated FAA pilot assigned for aerial operations.

placing our new hazmat squad into service. In February 2020, our district placed into service a 2020 Pierce Heavy Rescue with a 3-member response crew. This dual proposed



SMFR Hazmat Team responding to Clandestine Explosive Manufacturing production in Samoset, Florida. Over 14 samples were conducted to determine identity of all substances.

The next component is equipment needed to respond to incidents. In 2019, SMFR completed a SERC audit that assessed our policies, inventory, and training. As a result, we demonstrated our response package to a wide range of emergencies that can focus on Chemical, Biological, Radiological, Nuclear agents. This expands our team mission to all hazards response. For example, we have paired with our partners in the Manatee County Sheriff's department Explosive Ordnance Division, we have been called out to rapidly identify explosive materials such as illustrated in March 2020 and responded with the Florida State Fire Marshal's office to post blast explosive device. In addition, our department specializes in UAS/Drone operations making us a regional asset ready to deploy.

Our last component of the strategic plan was expansion of our all-hazard response matrix by



Operation Jet Lag at the Sarasota Bradenton Airport, Feb. 2020







FF Saxman and FF Moonen assist the US FDA in chemical identification and packaging, July 2020.

unit responds both to hazardous materials incidents and as an additional unit in a high call volume area. In 2020, Station 2 was requested 1,765 times to respond to emergency incidents, 414 of those incidents the squad responded. This unit responds to all structure fires meeting our staffing for these incidents and any additional calls in district when Engine 321 is assigned to other district emergencies.

Our mission is to provide emergency response to our community and provide new approaches to education, response, and code enforcement to the citizens of our district. This mission is in cooperation with our Federal, State, and Local agencies.



### 2020 Notable Responses and Actions:

Jan. 2020: SMFR responded with MSO to a clandestine explosive production facility, in which, we identified several compounds, explosive in nature.

Feb. 2020: SMFR took place in a regional response drill at the Sarasota/ Bradenton International Airport. In this sponsored State Response exercise team members participated with over 13 agencies to respond to a terrorism act on an aircraft.

Feb. 2020: SMFR was requested for assistance by the City of Bradenton Fire Dept. for a large boat fire. SMFR provided technical assistance in extinguishment.

March- Current- SMFR was requested by a host of different public safety agencies to respond and perform decontamination related to the Covid-19 pandemic. The request was made due to specialized equipment that could apply a disinfecting agent rapidly and reduce further exposures. There were 31 requests made to provide this service to many different agencies.



Investigation of radioactive medical transport containers, Sept. 2020

March 2020: SMFR was requested by the North River Fire District to assist with a gasoline tanker that rolled over at US-41 & I-275. SMFR assisted with mitigation efforts on the tanker which contained 5,000 gallons of gasoline. Cost recovery was submitted and recovered for this incident.

March 2020: SMFR was requested by the City of Bradenton Fire Dept. to assist with mitigation efforts of an 80-year butane tank found during construction at a local church. SMFR worked with a local commercial vendor to empty the tank.



March 2020: SMFR was requested by Manatee County Sheriffs Department to respond to a clandestine drug operation. During response, we identified and disposed of all materials used in the drug production.

May 2020: SMFR was requested by the Florida State Fire Marshal's office during a routine tank inspection of a commercial business. Our crews identified a large carbon monoxide leak and assisted with ventilation.

July 2020: SMFR was requested to assist the US Food and Drug Administration in executing a search warrant in the Bradenton area. Our crews made primary assessment of containers, offered positive identification of substances, and packaged them for further evidence in prosecution. Cost recovery has been submitted in this case.

Sept. 2020: SMFR was requested by the Duette Fire District to assist in a vehicle accident. The vehicle carrying radioactive medical substances, was investigated with no leaks found.

Oct. 2020: SMFR was requested by the North River Fire District to respond to a private aircraft crash at the Port of Manatee Airport. SMFR served in the advisory role as no hazard existed and all fuel was consumed in the crash.

Dec. 2020: SMFR was requested by the Cedar Hammock Fire District to assist with a large natural gas leak.



Lt. Lamber and FF Burghdurf assist with a tanker roll-over, March 2020.



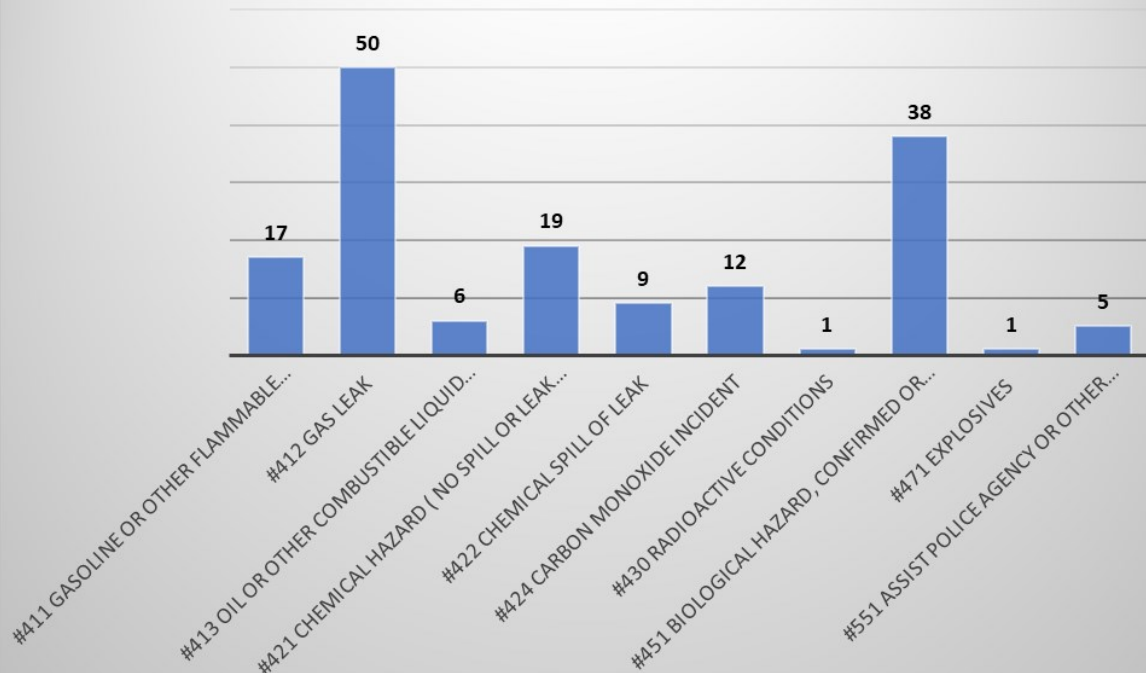
FF Lucas donning PPE assists with an EMS unit Decon, March 2020



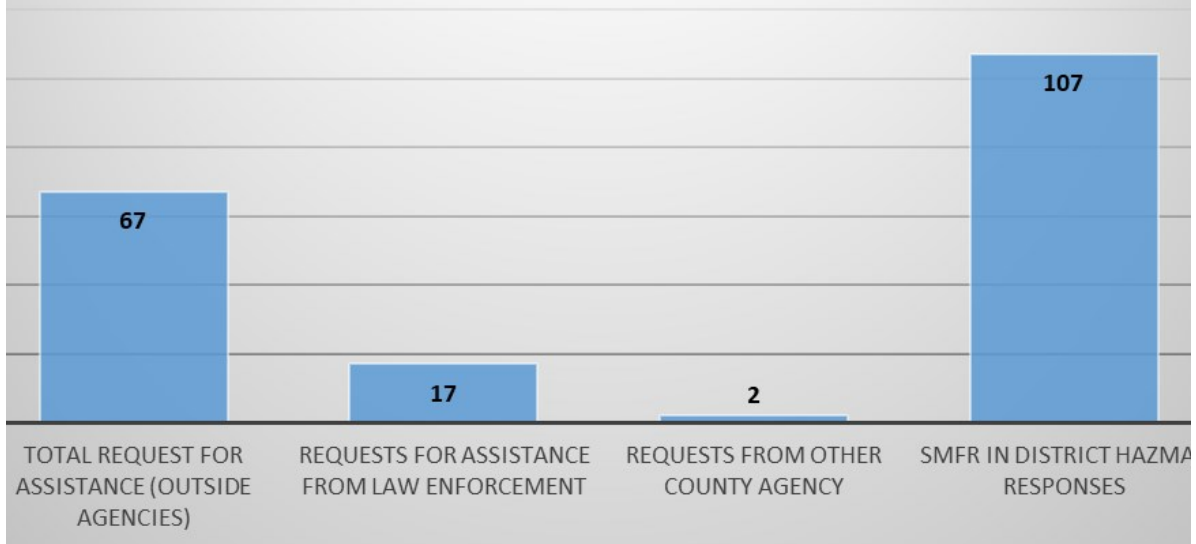
SMFR C-Shift crews tackle a natural gas leak in University Park, Nov. 2020



### 2020 Hazmat Responses- Incident Type



### 2019 SMFR Hazmat Responses Mutual Aid Requests Total=119 Incidents

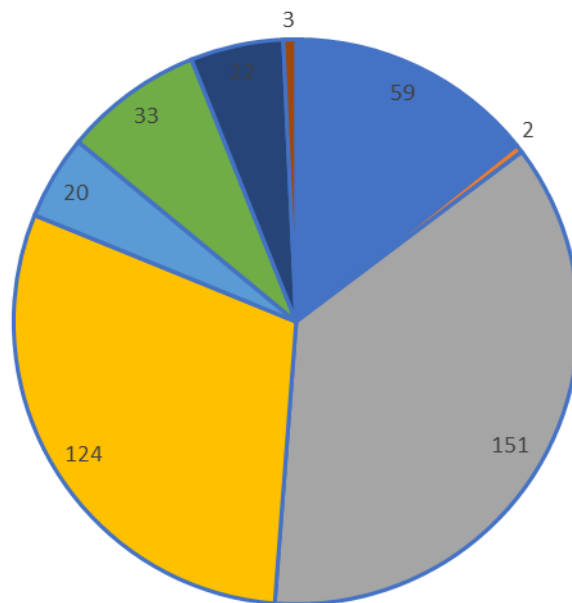




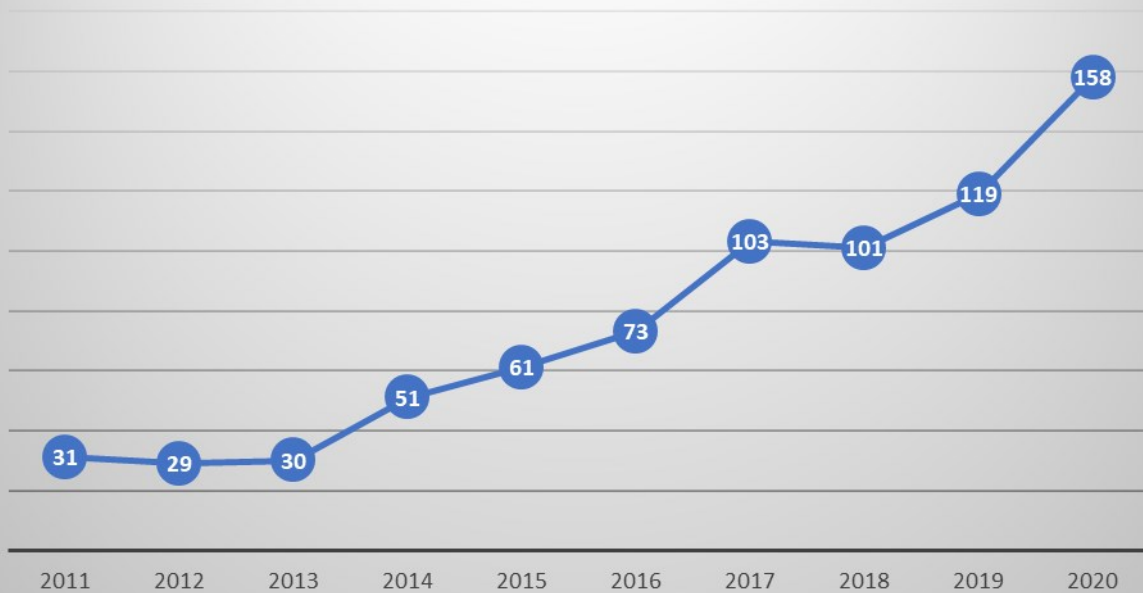


HZ-328 2020 Annual Call Volume (by series):

- Fire (Structure, Outside) 59 calls
- Overpressure, Explosion 2 calls
- EMS, Medical Related 151 calls
- Hazmat Response 124 calls
- Service Related 20 calls
- False Alarm, Misc. 33 calls
- Fire alarm related 22 calls
- Natural disaster 3 calls

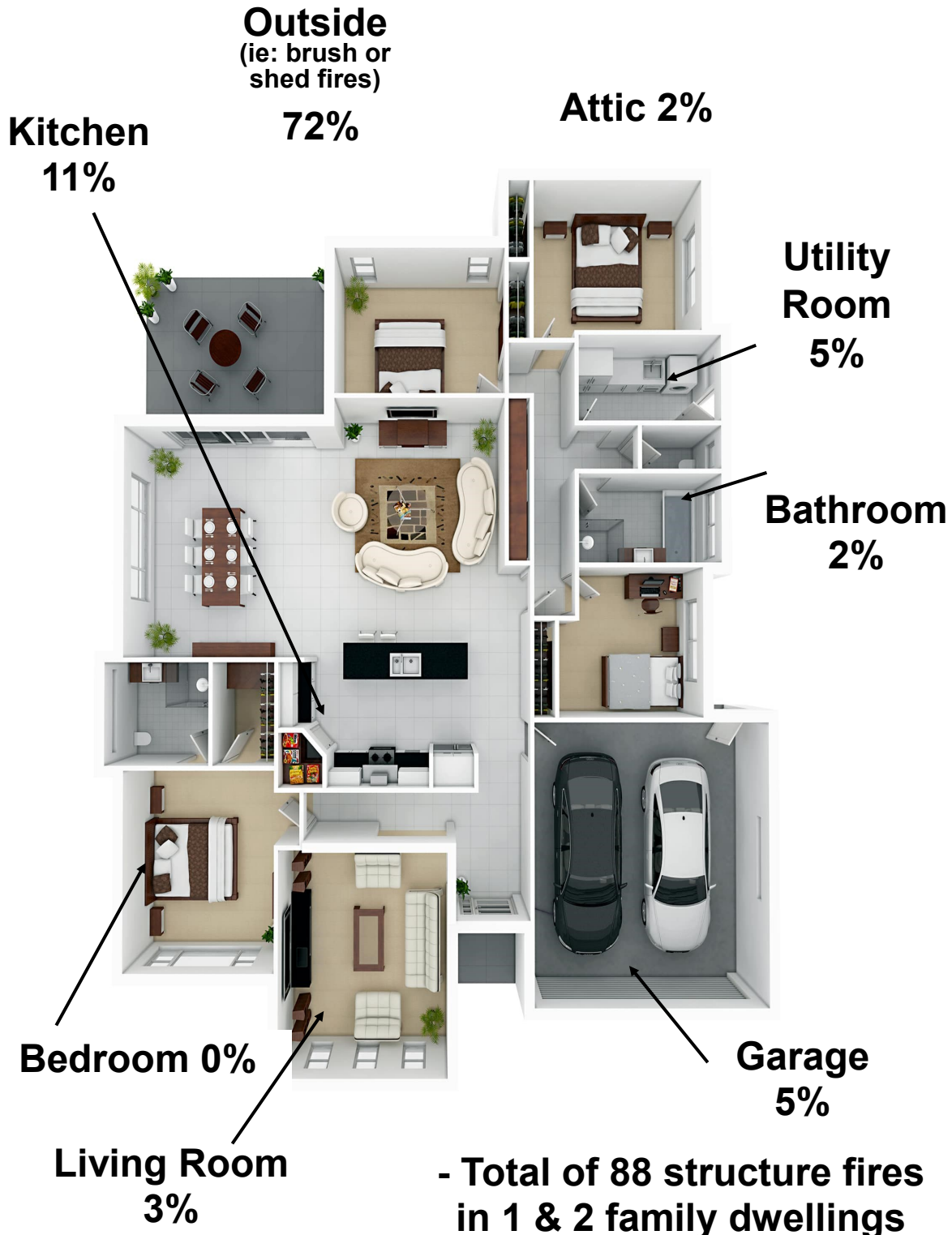


Total Call Volume: 414 Responses

SMFR Hazmat Response 2011-2020  
(Incident Volume)

## Fire Prevention Division

Area of origin and fire cause percentages  
for residential structures in Southern Manatee Fire  
Rescue District for 2020





The year 2020 was like no other. Southern Manatee Fire Prevention Division had great plans for the year ahead. Planning started on the Annual Open House that draws hundreds of enthusiastic adults and children to Station 3 late in September.

The National Fire Prevention Month is traditionally in October. The Fire Prevention Division visits every elementary school and day care within the district and provides a safety message along with handouts. Each school and daycare looked forward to a visit from the fire department. It is a life lesson many children remember all their life.

The Fire Prevention Division is responsible for the regulatory and code enforcement segment of the fire service. This includes but is not limited to annual business inspections, plans review that includes site, construction and suppression system, fire investigations, Youth Fire-setting and Public Education. New National Codes, Florida State Laws and Regulations, Manatee County Codes and our own Local Ordinance change how we do business. Each member assigned to Fire Prevention must keep up with code changes as they occur every year.

The Fire Prevention Division works closely with many agencies and departments within the county. Just in Manatee County, we work with Planning and Development, Permitting, Zoning, Utilities, Traffic, Public Safety and Code Enforcement. We are in contact with engineers of multiple trades. Architects and civil engineers contact Fire Prevention during the planning stages of a project, reaching out to discuss the design and fire safety features of large and small projects.



And then came COVID. Businesses shut down. Schools and daycares closed for a time. Many office staff started working from home. This included most of the county employees involved with plans review. Masks were required to be worn. Our workload did not change but the circumstances to complete did. How do we move on?

Fire Prevention Division has always had the motto “Adapt, Improve and Overcome.” And that is what we did.

Early months of the year, Fire Prevention assisted the district, other fire departments and Manatee County with logistics by gathering, purchasing, finding and storing PPE. With the gracious generosity of many of our local business partners, un-used PPE was donated for the first responders in the county. This was at a time when PPE was difficult to find.

Southern Manatee Fire Rescue was fortunate to have many of our residents contact us and volunteer to make us the approved CDC masks for the first responders. Fire Prevention played a key role on getting patterns, material and thread to the sewing partners and picked up finished products from our nimble sewers. As a result, thousands of homemade masks were given to first responders in Manatee County.

The Fire Prevention Division continued to work on plans and inspections during this time. Although in person inspection were halted for a few months, the Self Inspection Program took over and allowed businesses to complete and return an inspection without contact. Most meetings with the county changed over to Zoom meetings, allowing engineers and architects to discuss projects with everyone at one time. Construction inspections continued with social distancing and mask wearing.

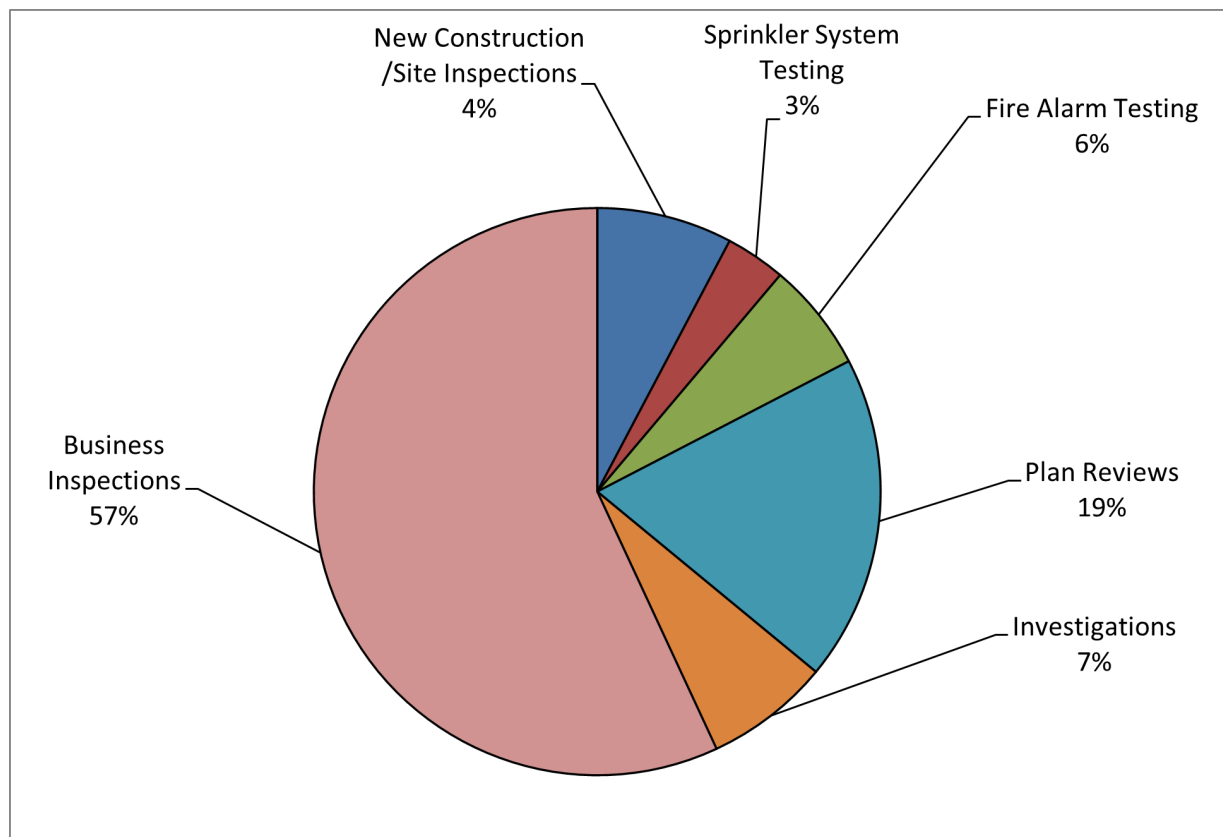
After much consideration, the Annual Open House in September was cancelled.

The Fire Prevention Division worked with our local elementary schools once a decision was made to re-open. During the first week students returned, Southern Manatee Fire Rescue provided water bottles, lanyards for masks and hand sanitizer to each of the schools.

Social distancing for Fire Prevention Month would be another hurdle we would need to tackle. With the great creativity of our group, a video was made at Station 3 and called “A Day in the Life of a Firefighter.” The video shows Firefighter Kyle coming to work and how his day is planned. There was also an appearance of a man in a “Blue Man Suit”. The children were advised to count how many times they saw “Blue Man”. This video was placed in You Tube so teachers could view the video when they are available. Goody bags were also given to each grade level and included hats, pencils and crayons. This whole process was a success for the school and the children.

The year 2020 is like no other. The Fire Prevention Division continued to complete tasks assigned and adapt to conditions presented. The year 2020 lived up to our motto: “Adapt, Improve and Overcome.” And we did.

## 2020 Fire Prevention Additional Responsibilities



### **Business Inspections: 1839**

Initial  
Vacant/ No Access  
Reinspection  
Completed

### **New Construction/ Site Inspections: 250**

Courtesy Inspection  
Fire Walls/Tenant Sep. /Penetration  
C.O. Finals  
Hood (Mechanical) Light Test, General  
Suppression System Final

### **Sprinkler System Testing: 111**

Visual/Pipe Check  
Hydro/ Pressure Test  
System Flush  
Final Acceptance

### **Fire Alarm Testing: 201**

Final/ Acceptance

### **Plan Reviews: 600**

Site Plans Reviews  
Construction Plans Reviews  
System Plans Review

### **Investigations: 230**

Fire  
Complaints  
Code Research

\* See separate charts for Public Education Programs, Safety House Events,  
Smoke Alarm Installations and Youth Fire Setters Information



## Risk Analysis 2020

### Overview:

The Southern Manatee Fire & Rescue District is an independent special district with taxing authority and the responsibility to "Protect lives, property and the environment by providing prompt, skillful and cost effective fire safety education, fire protection and life saving services to the citizens of our community." The District provides fire protection for mobile home parks, condominiums, single family dwellings, various types of businesses, shopping centers, malls, storage facilities and a heavy industrial section.

### Review 2016 - 2020 Fire Reports

<b>Reported Structure Fires - Residential</b>			
Year	# 1&2 Dwelling	# Mobile Home Fires	Age of Citizen 50 yr +
2016	40	1	1
2017	23	4	Unknown
2018	60	4	4
2019	45	0	Unknown
2020	17	3	0

<b>Smoke Alarms</b>			
Year	Notified Occupant	Failed to Notify	Unknown
2016	6	7	17
2017	4	1	2
2018	6	2	52
2019	5	4	36
2020	3	7	8

**Fatal Fires:** In 2020 Southern Manatee Fire Rescue experienced zero fire fatality.

<b>Injuries</b>			
Year	Number of Injuries	Alarms Present	# of Alarms not working
2016	2	1	0
2017	1	0	0
2018	1	1	0
2019	0	0	0
2020	2	1	1

## 2020 Training Data

Total in-house training hours:	25557.75
Per Person yearly Average:	315.50
Per Person monthly Average:	26.30
In-house Classes:	21
Rider Certs:	12
Driver Certs:	62
Outside Classes Completed:	206
Target Classes Completed:	2,916
Promotions:	19
State Certifications:	31
Daily Training Subjects:	45

In 2020, Southern Manatee Fire & Rescue (SMFR) personnel conducted training daily and logged over 25,000 hours. Southern Manatee Fire & Rescue has 3 Field Training Officers (FTO's), 1 for each shift and a Fire / EMS Training Captain, as well as a Hazmat Training Captain. The FTO's conduct hands-on-trainings with their respective crews, and the Training Captain's over-see department wide training and compliance of State, Federal and Insurance Services Office requirements. In 2018 and 2019 we have re-invented our wellness program with our 3 Group Fitness Coordinators. And have allotted time every month for group fitness events as well as daily fitness training. In 2020 due to COVID-19 we were unable to have these group trainings, however our shift fitness coordinators still kept our crews busy monthly with individualized trainings in the stations.

This year we continued to complete classes with our on-line training platform, Target Solutions. The savings to the district will equate to approximately 17,000.00 this year. That money will be reallocated to sending personnel to specialty classes in various areas of EMS and fire ground operations. Classes are added annually to help maintain renewal requirements, and in 2020 classes were added to fire prevention for Inspector renewals, which attach to the state broker for CEU renewal requirements.

This was the fourth full year that two training captains were fulltime in the training division. We wanted to expand our training to more practical applications and techniques, however we maintain Covid-19 precau-



tions and concentrated on single company training evolutions. We concentrated a lot of efforts this year on fire ground operations within our district. We also concentrated on drivers training and day to day operations. All personnel recertified driving both engines and aerial. This area is high priority as our responses are increasing annually.

We completed several in-house classes that are beneficial learning. This year we focused attention to our Fire Prevention team to obtain their Fire Code Administrators censes. We also have been spending time within our department on ALS and the equipment that goes along with this program. We continue to spend time monthly on Drivers Training, Hazardous Materials Response, Fire Ground Activities, and Medical Response

The Training Division continued teaching CPR & First Aid to our business partners in the district. We charge a small fee to cover the cost of the certification cards and book. We only conducted a couple of these classes this year due to Covid-19 our district; if someone calls from outside our district, we put them in touch with that local F.D. It is estimated we certified over 35 bystanders in these vital skills in Peridia Golf & Country Club this year before the shutdown.

A big part of this year's training plan was to get our mutual aid resources involved. Manatee County EMS firefighter/paramedics were always invited to any of our fire related training and we also attended their trainings as well, via a Zoom Meeting platform. We have also partnered up with the 911 dispatch center to have all their new hire dispatchers ride along with our apparatus for 12-hour shifts.

Finally, this year we completed several Medical Director Test-Outs. This is a skills test with the Medical Director; Dr. David Nonell. The paramedic candidate is tested on a protocol evaluation and given both a medical patient and a mass casualty trauma incident. We have had a very good success rate and look forward to putting more personnel thru this testing in the first quarter of 2021.



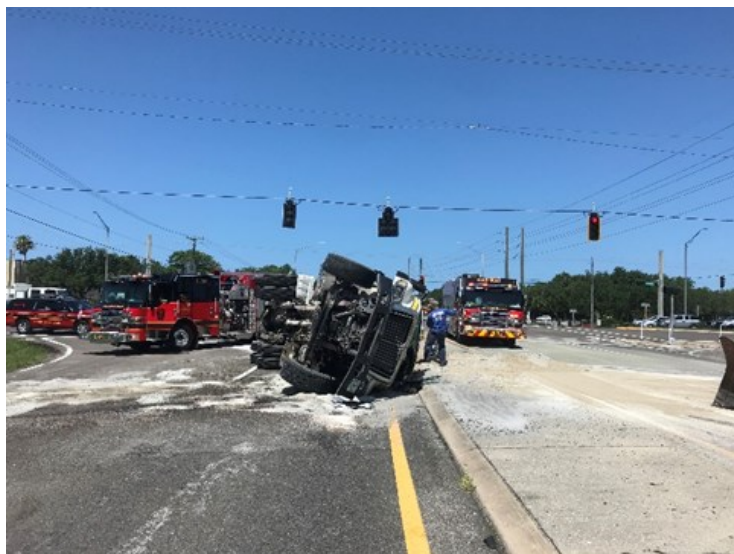
## Vehicle Maintenance FY2020



Southern Manatee Fire Rescue District's fleet consists of 8 fire engine pumpers, 1 aerial ladder truck, 2 Hazardous Materials response trucks (1 is a back-up), and 16 staff vehicles of various types. Apparatus/staff vehicles are purchased and replaced in accordance with the apparatus replacement program. The age of our apparatus fleet ranges from 2010-20 year models. We placed into service the Special Operations Truck to replace the previous Hazardous Materials response

truck. It has the capabilities to suppress fire, mitigate hazardous materials and serve as a command center. This is the first of its kind in Manatee County. Engine 351 pumper was replaced with an engine pumper that was specifically designed to meet the needs of Advanced Life Support (ALS) and now has foam flowing capabilities. This is the first time an apparatus was designed by SMFR with ALS in mind. The District's oldest engine pumper, Pierce Quantum, was decommissioned and donated to Manatee Technical College. Our staff vehicle fleet consists of 16 types and styles of vehicles including vans, pickups, and SUVs...the age of staff vehicles ranges from 2007-20-year models. All the fire apparatus and staff vehicles are maintained by the district using outside agencies to perform all preventive maintenance and repair work. All work is performed within the Fire District at various locations. The repair and preventive maintenance for fire apparatus is performed at Ten-8 Fire Equipment and Sun State International which employs certified Emergency Vehicle Technicians as required by National Fire Protection Association. Callaghan Tires of Bradenton maintains the apparatus tires, while the staff vehicles are serviced and repaired at Neumann's Auto Repair, both locations offer full technical mechanical services.

Vehicle repairs are conducted by scheduled appointment on an as needed basis or repairs





are handled during the preventive maintenance services. The frequency of preventive maintenance services varies from fire apparatus to staff vehicles. The apparatus go through a preventive maintenance service every 150-200 hours of operating time, while staff vehicles go through their services every 5000 miles. We aspire to maintain all vehicles at a superior level in order for the District to provide emergency services without interruptions.

Fire apparatus require special preventive maintenance for specific areas of the apparatus, which is not the case for staff vehicles. Some of these special maintenance areas include annual pump testing, annual pump service and the annual aerial testing. These specifics are performed once a year and are scheduled by our service provider. The main types of apparatus preventive maintenance include level 1 and level 2.

**Level 1 Preventive Maintenance:**

Full vehicle inspection, oil change, filter replacement, fluid checks, tire gauging, pump packing, safety inspection

**Level 2 Preventive Maintenance:**

Full vehicle inspection, oil change, filter replacement, fluid checks, tire gauging, pump packing, safety inspection, air filter, transmission service, brake inspection, chassis lube, cooling system, A/C system, fuel system, these maintenance services are performed at every other interval and are scheduled in by our own personnel whom manage the vehicle apparatus maintenance program in house at Southern Manatee.





Equipment/Vehicle Type	Year Purchased	Purchased Cost	Vehicle I.D.	2020 Maintenance Cost
Pierce Pumper	2010	\$397,105.00	E-13	\$ 12,725.44
Pierce Pumper	2010	\$397,105.00	E-12	\$ 19,054.76
Pierce Pumper	2015	\$483,894.00	E-14	\$ 29,709.23
Pierce Pumper	2015	\$483,894.00	E-15	\$ 33,358.36
Pierce Pumper	2016	\$454,577.00	E-17	\$ 25,261.55
Pierce Pumper	2018	\$537,260.00	E-19	\$ 16,643.33
Pierce Aerial	2017	\$901,654.00	E-18	\$ 26,719.13
Pierce Squad	2020	\$770,454.00	E-20	\$ 11,769.99
Pierce Pumper	2020	\$592,492.00	E-21	\$ 0.00
Hazmat Truck	1994	Donation	E-16	\$ 24.98
GMC Sierra Utility	2007	\$17,012.00	T-2	\$ 0.00
GMC Sierra Dually	2003	\$9,050.00	T-3	\$ 1,155.75
GMC Yukon	2007	\$41,290.00	C-14	\$ 1,896.15
GMC Yukon XL	2008	\$49,416.00	C-15	\$ 504.82
Ford F150	2016	\$23,000.00	C-16	\$ 782.21
Ford F150	2016	\$23,000.00	C-17	\$ 1,241.95
Ford F150	2016	\$23,000.00	C-18	\$ 508.94
Ford F150	2016	\$23,000.00	C-19	\$ 220.29
Ford F150	2017	\$24,709.00	C-20	\$ 1,675.77
Chevy Suburban	2017	\$58,031.00	C-21	\$ 889.87
Ford F250	2018	\$37,942.00	C-22	\$ 982.91
Ford Explorer	2018	\$33,494.00	C-23	\$ 21.76
Ford Explorer	2018	\$33,494.00	C-24	\$ 426.68
Ford Explorer	2018	\$33,494.00	C-25	\$ 62.08
Ford T-150 Van	2018	\$25,113.00	C-26	\$ 230.75
Ford Explorer	2020	\$41,775.00	C-27	\$ 208.02
		<b>\$4,502,975.00</b>		<b>\$184,178.57</b>



## Car Seat Program

All 50 states and the District of Columbia have child safety seat laws. Child safety seat laws require children to travel in approved child restraints or booster seats and some permit or require older children to use adult safety belts. The age at which belts can be used instead of child safety seats differs among the states. Young children usually are covered by child safety seat laws, while safety belt laws cover older children and adults.



The Insurance Institute for Highway Safety reports that motor vehicle crashes are a leading cause of death for children younger than 13. Most crash deaths occur among children traveling as passenger vehicle occupants, and proper restraint use can reduce these fatalities. Restraining children in rear seats instead of front seats reduces fatal injury risk by about three-quarters for children up to age 3.

Southern Manatee Fire Rescue has nine Certified Car Seat Technicians, and all of their respective certifications have been renewed during the past year. These technicians collectively installed 25 seats in 2020, despite being under Covid-19 restrictions through much of the past year. Each technician is certified voluntarily, are passionate about child safety, and are continuing to educate themselves on knowledge and techniques.

Southern Manatee Fire Rescue wishes to continue our partnership with Safe Kids to promote all aspects of child and adolescent safety. They have assisted us with car seat purchases as well as helping to educate us. This program creates and maintains positive public relations with the public as well as providing a needed service.



## Southern Manatee Union Bargaining Units/Local 2546

Greetings to all. 2020 was a difficult year for most of us, so I won't spend too much time talking about the negatives, you have all survive them and there is no need to "re-hash the past".

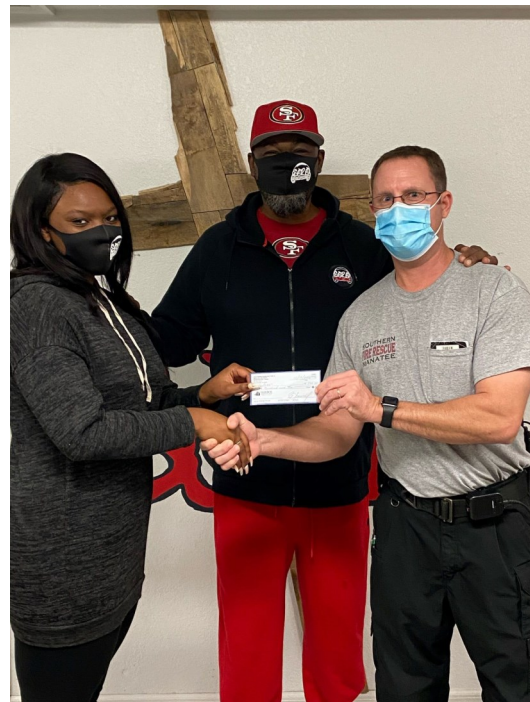
SMFR's Union had a changing of the guard in 2020. Lt. Adam Chevalier stepped down as the DVP and I (Lt. Derek Foss) took over. I would like to take this time to thank Adam for all his hard work and dedication. Our department would NOT be where it is today without his time and effort. Our previous two contracts were beneficial to both sides of the table; this a testament to Adam's hard work. 2020 also saw FF/PM Kyle Eldridge enjoy the fruits of his labor and retire. Kyle was a member almost since the beginning and he will be missed. I would also like to take this time and give a big thank you to Debbie Hiser. Even though she wasn't a member of our local, she has been a great friend and ally to us. She retired in 2020 after eleven years of dedicated service. Debbie was like a "mother hen" to our members. Debbie was definitely a family member to our Local and she will be missed.



In March our Local was fortunate to hit the streets and collect money for MDA. This was a cooperative effort with our Union and our Administration. Chief Gorski even participated with us that weekend. SMFR did get lucky with the timing of our MDA drive. I believe the following weekend (after our drive) most of the State was shut down, schools closed due to the Covid-19 pandemic. Unfortunately, there were other Departments (in our local) that had scheduled their MDA drives right after ours and they had to be canceled. MDA did

not obtain as much in donations in 2020 as they did in years prior because of the closings. As of the letter, MDA is still unsure if they are going to hit the streets in 2021 or try other avenues of gathering donations (a social media platform is being discussed).

2020 also began a new era for Southern Manatee. Engines 341 and 351 became ALS Engines. E-351 was the first to become an ALS provider in our District. We were able to staff E-351 from the Paramedic graduates in 2019. A few months later E-341







was also upgraded to an ALS Engine. This is a huge benefit to our tax-payers, they receive top quality ALS care in less than 5 minutes after calling 911. An MOU between the Union and the Administration was needed to ensure that a Paramedic-in-charge (PIC) is always staffed on each of these Engines.



Even though 2020 had many struggles throughout the year, at the end of 2020, our members displayed a genuine Christmas spirit. We partnered with the Administration and two local charities; Magic of Mittens and Sozo's Ministries. The Magic of Mittens is run by Beth Grogan and she was able to obtain the names of needy families from the County School Board. We were able to fulfill her requests and purchase gifts for dozens of less fortunate kids in our County. The Union and Admin also purchased Christmas presents for almost two-dozen kids in our own community (located in zone 2) thru Sozo's Ministries. The Union also presented a

charitable check to Sozo's for \$3,000. So, even though 2020 was a tough year the perseverance and kindness of the Southern Manatee Family is stronger than ever!



## Employee Recognition Program

Southern Manatee Fire Rescue recognizes the value of the services and sacrifices made to protect the lives and property of Manatee County citizens by its Firefighters and members of the public. The dedication of these individuals is recognized at the Commission meetings. In addition to the "Years of Service" awards, other categories include the Phoenix Award for saving the life of a cardiac arrest victim, Genesis Award for the delivery of a baby in the field, Military Awards for those who served and the "End of the Year" Annual Awards. Below are the recipients for 2020:

**Officer of the Year:**

Lieutenant Derek Foss

**Firefighter of the Year:**

Firefighter/Paramedic Justin Young

**Rookie of the Year:**

Firefighter/EMT Ian Segnari

**Staff Employee of the Year:**

Captain Robert Thayer



*Lt. Derek Foss*



*Captain Robert Thayer*



*Firefighter/Paramedic Justin*



*Firefighter/EMT  
Ian Segnari*



### Service Awards

Leslie Adent	30 years
Chris Gould	30 years
Herb Smith	30 years
Kyle Eldridge	25 years
Christie Hollins	25 years
Kenny Reed	25 years
Jason Weissman	20 years
David Wernet	20 years
Robert Pietsch	20 years
Adam Perry	20 years
George Naples	20 years
Dwayne McKeaver	20 years
Brett Hylwa	20 years
Michael Geiser	20 years
Brandon Ellis	15 years
Steve Gibson	15 years
Steve Hodges	15 years
Daniel Reisdorf	15 years
Brian Ross	15 years
Eric Sigfrid	15 years
Robert Davis	10 years
Debbie Hiser	10 years
Larry Sarver	10 years
Chris Burghdurf	5 years
Jordan Velazquez	5 years
Kyle Brady	1 year
Ian Segneri	1 year
Crystal Tucciarone	1 year



### Life Saving Award Dwayne McKeaver







### **Medical Directors Award**

David Wernet  
Seth Burnett  
Crystal Tucciarone  
Adam Perry



### **Phoenix Award –**

Brian Craycraft  
Richard McGinley  
Daniel Reisdorf  
Mike Questionati  
Tim Keusch  
Stuart Ramer  
Brandon Baserva



### **Purple Heart Award**

Stuart Ramer



**This annual report is a courtesy of the Southern Manatee Fire & Rescue District. We strive daily to provide the best fire-rescue protection and fire safety education to the citizens of our Community. If you have any questions or comments about this report or would like any information about the programs discussed, please do not hesitate to contact us.**

**Southern Manatee Fire and Rescue District (941) 751-7675**