



SEMINOLE COUNTY FIRE DEPARTMENT 2020 ANNUAL REPORT

150 Eslinger Way, Sanford, FL 32773

www.seminolecountyfl.gov/firedepartment

 @scfdpio |  @seminolecountyfd |  @SCFD.1974



WELCOME MESSAGE FROM THE CHIEF



WELCOME MESSAGE FROM **FIRE CHIEF**

OTTO DROZD III, EFO, CFO

SCFD provides emergency services to the unincorporated areas of the county and through mergers with the Cities of Altamonte Springs, Winter Springs and Casselberry. First Response Agreements are in place with the Cities of Lake Mary, Longwood, Sanford and Oviedo, which is optimal for residents as the centralized emergency communication center dispatches the closest unit.

Dear Seminole County Residents:

This past year has reminded us that ***challenges can bring out the best in everyone.*** It is clearly evident that this past year brought out the best in your Seminole County Fire Department (SCFD).

Despite the unprecedented COVID-19 pandemic, our 467 SCFD personnel came together and quickly adapted to serve our residents, businesses and visitors. When I began as SCFD's Fire Chief in April 2020, it was understood that the Coronavirus pandemic would require the County's most extensive emergency management response to date. SCFD proudly played an essential role in the historic public safety response.

Our team members unceasingly served on the frontlines during the pandemic. Firefighter/Paramedics, Firefighter/Emergency Medical Technicians (EMT), Emergency Communication Dispatchers and support personnel rapidly implemented new procedures to ensure continuity of care in response to all emergencies.

Many of our protocols changed, utilizing greater levels of decontamination for emergency vehicles, fire stations, and our dispatch centers, while implementing procedural safeguards for our community. For example, our "Step Outside" program requested able residents to meet responding emergency

units outside to reduce exposure to both patients and first responders. In addition, a \$204,000 COVID-19 Personal Protective Equipment Grant helped us ensure that our staff was well protected ... so that they could protect each community member.

In our annual report, we highlight major accomplishments and our statistics from the past calendar year that showcase our work in the community. These impressive accomplishments would not be possible without the support of our Seminole County Board of County Commissioners, the County Manager's Office, and by the dedicated professionals I am honored to lead and who are committed to providing you the highest level of service. From our daily service calls ... to our dispatched units from 20 fire stations ... to our community outreach ... to fire investigations, inspections, operations and logistics, we are always ready and proud to serve Seminole County.

The future has many new initiatives on the horizon designed to meet the needs of our growing County. These include Station 11 being relocated in Altamonte Springs near the SunRail station and new fire station 39, which is in design and slated to break ground soon near Orange Boulevard and First Street in Sanford.

In my 35 years of fire and emergency service, 2020 serves as a testament to why we chose to be local public servants, and it demonstrates the essential role that public safety professionals play in our community.

From our "Fire Family" to yours, thank you on behalf of the brave men and women of the SCFD who will continue to be there to respond in your greatest time of need.

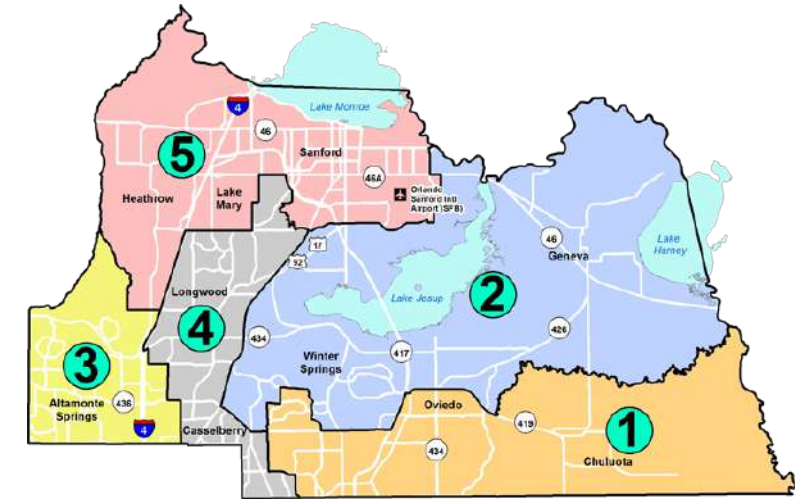
Otto Drozd III, EFO, CFO

Fire Chief
Seminole County Fire Department

WELCOME MESSAGE FROM THE CHIEF



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Lee Constantine
Chairman
District 3



Amy Lockhart
Vice Chairman
District 4



Bob Dallari
District 1

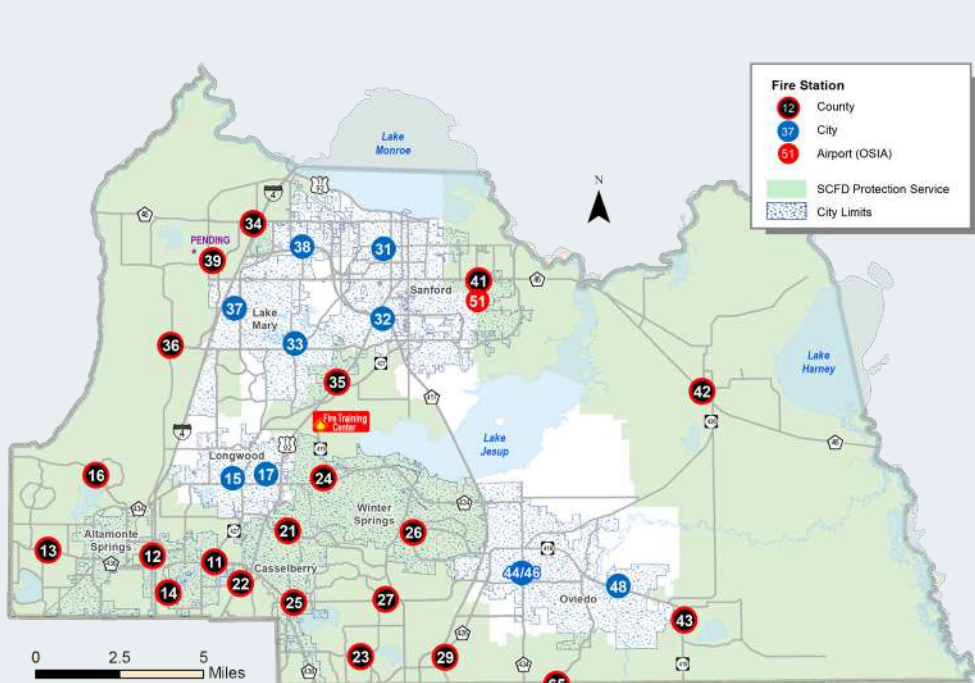
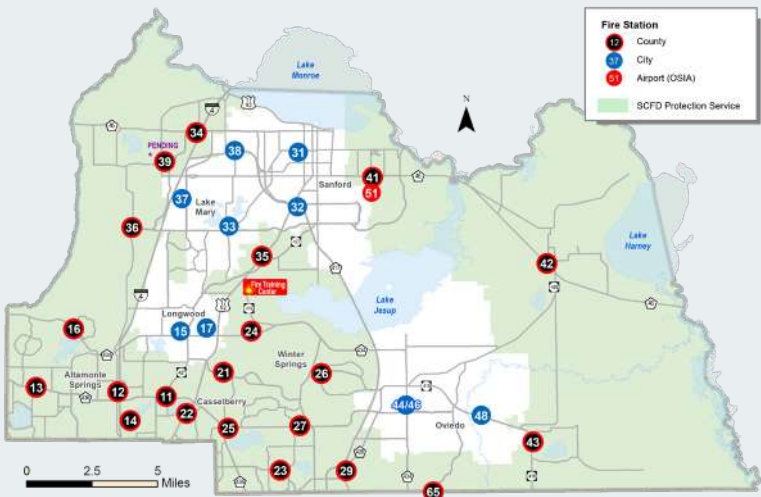
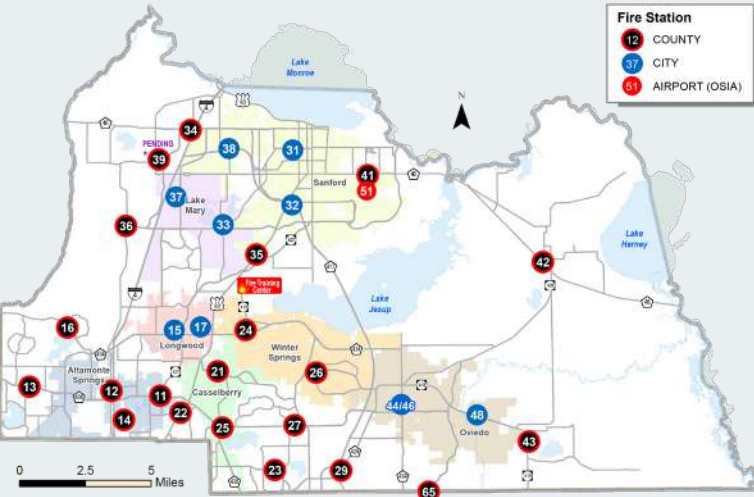


Jay Zembower
District 2



Andria Herr
District 5

SEMINOLE COUNTY AT A GLANCE



Seminole County

- 345 square miles
- Population
 - Seminole County – 478,823
 - Unincorporated Seminole County 224,258
- Total Households – 180,234
- Population Density (Population/Sq. Mi): 1,543 – The 4th most densely population county in Florida.
- Media Age: 39.2
- Average Household Size: 3.05
- Number of Employed Residents: 236,067
- Numbers of Businesses: 14,185

- Largest Employer – Seminole County Public Schools – 7,687
- Trails System – 30,000+ acres
- 300,000 visitors annually

Seminole State College

- 4 campuses, Sanford, Oviedo, Altamonte Springs and Heathrow
- 28,879 students

Central Florida Zoo & Botanical Gardens

- 106 acres
- 350 animals/100 species

SEMINOLE COUNTY SERVICE AREAS AT A GLANCE

*Service population area through mergers	338,181
Unincorporated	224,258
City of Altamonte Springs	45,293
City of Casselberry	30,035
City of Winter Springs	38,595

Automatic Aid
**Volusia County – Lake Harney Service area

First Response Agreements Population	
City of Lake Mary	17,449
City of Longwood	15,815
City of Sanford	60,269
City of Oviedo	40,021

Orlando Sanford International Airport
1.5 million passengers in 2020

Mutual Aide Agreements Bordering Service Areas
Orange County – Station 65/UCF Response Area
Lake County

*Census Bureau
** Fees paid to Seminole from Volusia County for Services

FIRE RESCUE FACT: Response time is essential to stop the effects of emergent medical conditions and the progress of fire, which can expand exponentially within 4 to 7 minutes.



MISSION:

5 Minute Response Time
Trained Personnel
Adequate Resources
Constant Prevention
Go Home Safe

CREED:

**HONOR
THOSE YOU
WORK FOR**

**RESPECT
THOSE YOU
WORK WITH**

**SERVE THOSE
WHO WORK
FOR YOU**

PURPOSE:

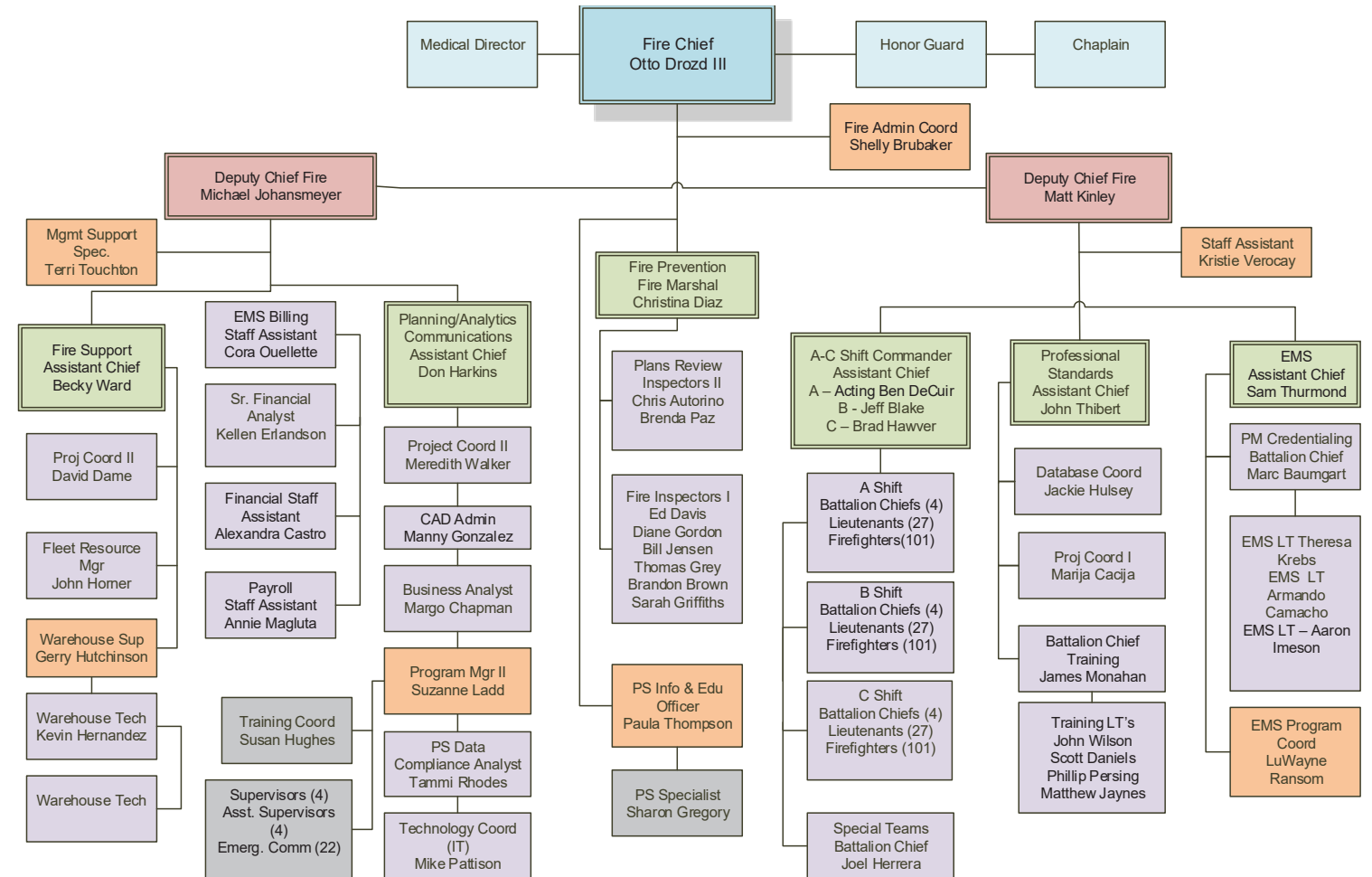
**READY TO
RESPOND**

**WILLING TO
CARE**

**TRAINED
TO MAKE A
DIFFERENCE**



FIRE RESCUE FACT: Seminole County Fire Department strives for a 5 minute response time or less.





DR. TODD HUSTY
MEDICAL DIRECTOR

PROTOCOLS

PARAMEDIC AND EMT LICENSING

PARAMEDIC AND EMT COMPLIANCE/CONTINUING EDUCATION TRAINING

HOW WE HAVE ADDRESSED COVID-19

- Early on we had a highly communicable pathogen protocol in place. This protocol had been well established within the department.
- We addressed new challenges previously unforeseen such as: breathing treatments and response support in closed rescue vehicles and going through the halls of emergency departments all while working closely with all EMS providers and hospitals. Early in the pandemic decisions were made to require masks and social distancing in all fire stations.
- We changed protocols to provide greater safety in transporting long-term care patients.
- Fire department personnel assisted in vaccinations across the County.

FIRE RESCUE FACT: The Medical Director's Office establishes the emergency medicine protocols that Paramedics and EMTs can perform and practice under the Medical Director's license.





MATT KINLEY
DEPUTY
CHIEF OF
OPERATIONS



BEN DECUIR
ASSISTANT CHIEF
A SHIFT



JEFF BLAKE
ASSISTANT CHIEF
B SHIFT



BRADLEY HAWVER
ASSISTANT CHIEF
C SHIFT

Value Saved

PRE-INCIDENT VALUE

\$428,692,426

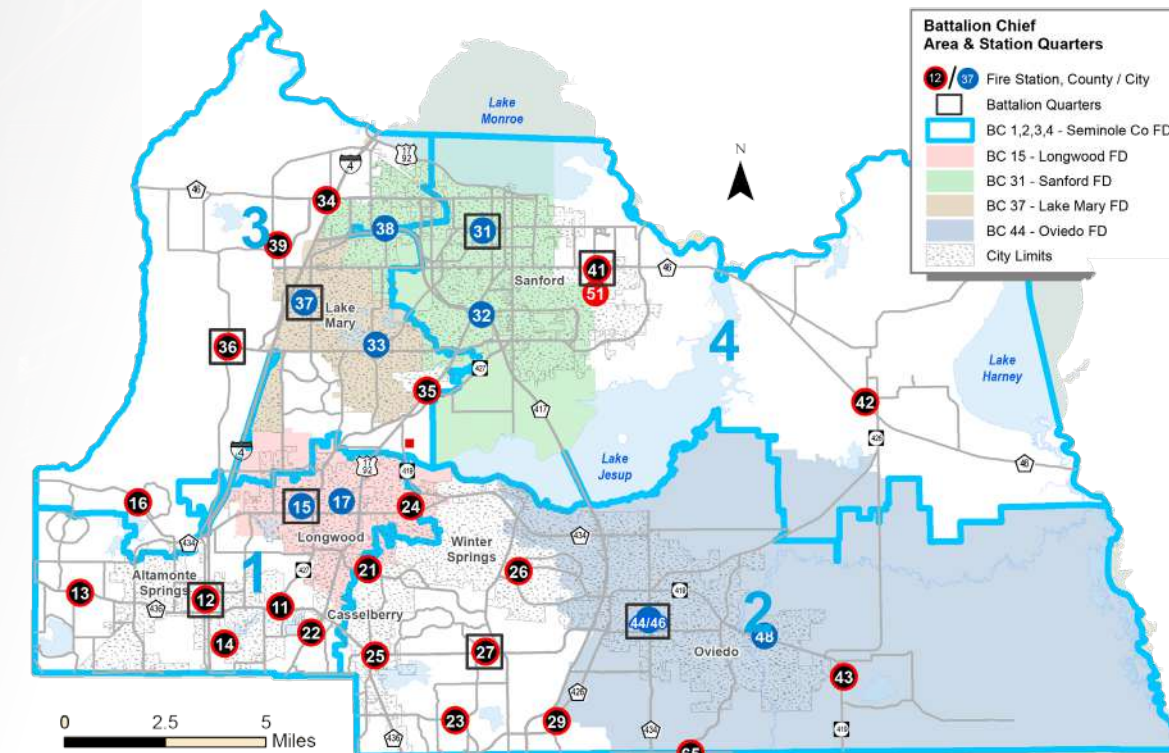
LOSSES

\$9,336,525

VALUE SAVED

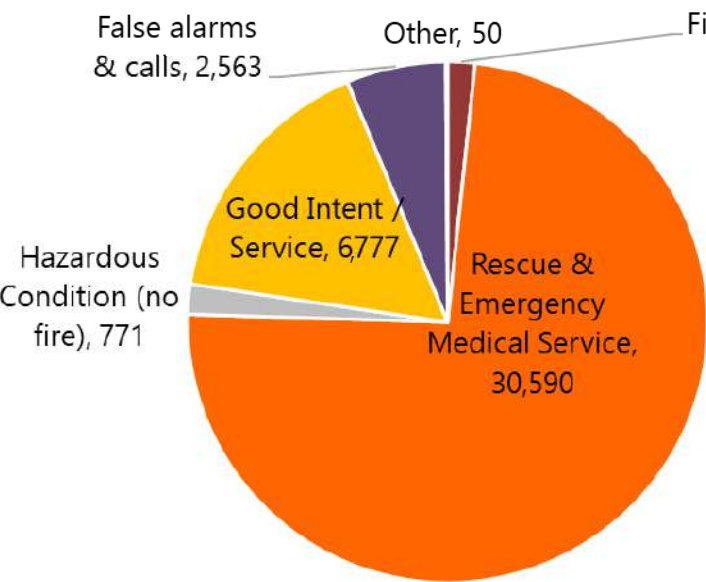
\$419,355,901

**135 # OF PERSONNEL
PER SHIFT**

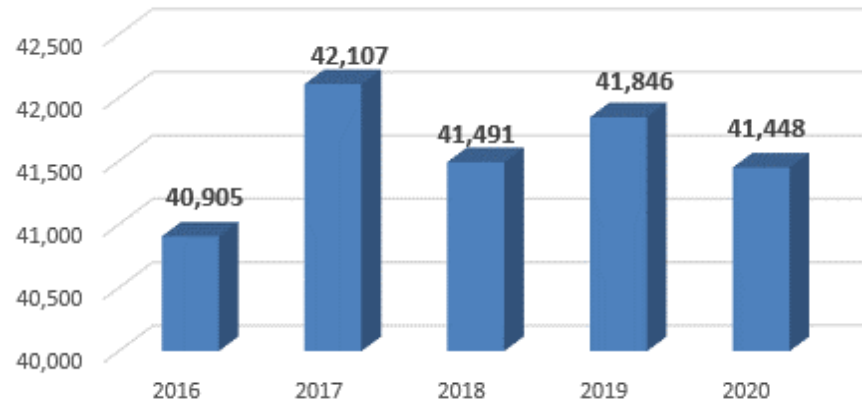


FIRE RESCUE FACT: SCFD operates three shifts led by an Assistant Chief who operates as the Shift Commander. They are responsible for 4 Battalions each with a Battalion Chief charged with the oversight of the stations and personnel within their area.



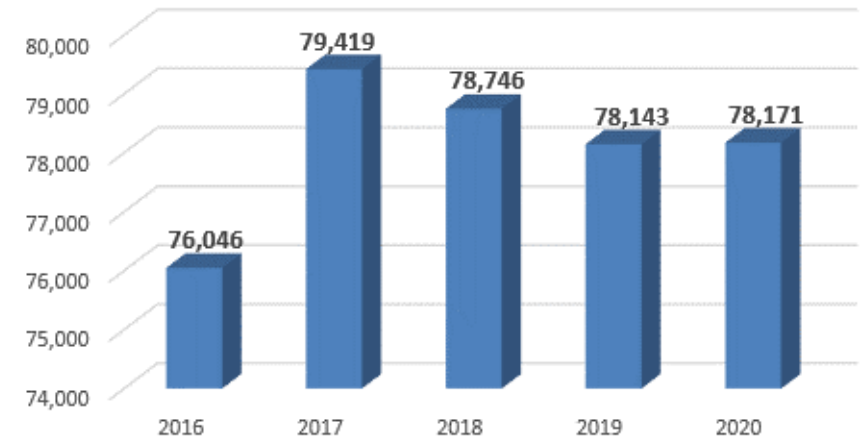


TOTAL SCFD CALLS FOR SERVICE BY CALENDAR YEAR



*A call for service is an incident prompting a unit response.

TOTAL SCFD RESPONSES BY CALENDAR YEAR



*A unit response is when a unit responds to an incident. The call type and acuity level dictates the number of units that respond to a single incident.

Average Response Time Calendar Year

2017	0:05:28
2018	0:05:10
2019	0:05:09
2020	0:05:12



FIRE RESCUE FACT: One of the most frequently asked questions is why do fire engines respond to medical calls. Answer: All SCFD fire engines have a Firefighter/Paramedic and advanced life support medical equipment assigned to the unit, therefore they can administer the same emergency medical services, except for transport to the hospital



FIRE RESCUE FACT: Seminole County Fire Department works to minimize response time by utilizing an Automatic Vehicle Location (AVL). The emergency vehicles are equipped with global position satellites (GPS) to dispatch the closest units to emergencies.



JOHN THIBERT
ASSISTANT CHIEF
PROFESSIONAL STANDARDS

- Fire & EMS Training Hours – **138,925**
- Live burn building went operational
- Implemented a successful social media recruitment campaign increasing diversity in the Department
- Two orientation classes totaling **42** recruits completed training
- Continuation of quarterly joint-training program with all Fire Departments within Seminole County.



Professional Standards & Training Calendar Year 2020

Training Hours by Category

Driver/Operator Training – 20,604 hours

EMS Training – 8,910 hours

Firefighter Training – 40,727 hours

Hazardous Materials Training – 8,007 hours

Officer Training – 10,257 hours

Recruit Training – 9,360 hours

Training Drills – 18,378 hours





SAMUEL THURMOND
ASSISTANT CHIEF EMS



- **EMS logistics**, including the ordering and distribution of personal protective equipment and medications
- Purchasing and distributing **equipment for both disinfecting and decontamination**
- The administration and distribution of **COVID-19 vaccines**
- **Reaccreditation** for the Commission on Accreditation of Ambulance Services (CAAS)

SPECIAL TEAMS

Prescribed
Burn

Special Hazards &
Operations Team

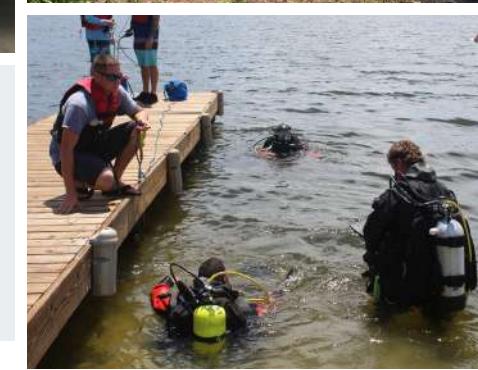
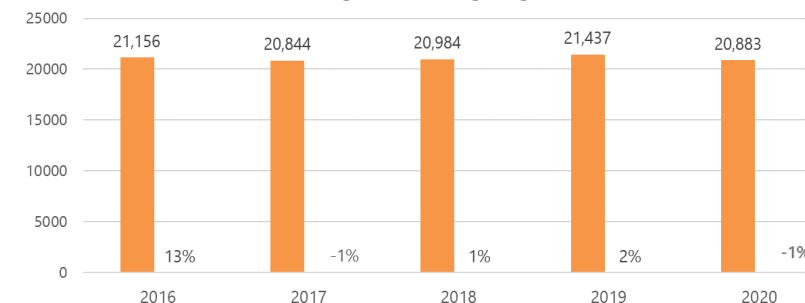
Honor
Guard

Bike
Team

Dive Team
Side Scan Sonar

Tower
Team

EMS TRANSPORT



JOEL HERRERA
BATTALION CHIEF
SPECIAL TEAMS

FIRE RESCUE FACT: All Seminole County Rescue units can transport patients to the hospitals to provide continuity of care to the patient.



MIKE JOHANSMEYER
DEPUTY CHIEF OF
ADMINISTRATION

Grants

\$177,980 Fire Prevention and Safety Grant from Department of Homeland Security for smoke alarms

\$204,401 COVID 19 Personal Protective Equipment Grant from the Assistance to Firefighter Grant

\$66,745 EMS Trust Fund Grant to enhance equipment and training

486 Personnel

Budget \$74+ Million

Budget Breakdown

	FY20 Adopted Budget	FY20 Expenditures	FY20 Expenditures AS % of Total
501 Personnel Services	\$57,757,007	\$55,548,441	79%
530 Operating Expenditures	\$11,423,547	\$9,049,736	13%
560 Capital Outlay	\$5,060,689	\$5,636,225	8%
580 Grants & Aids	\$290,414	\$343,524	0.5%
Total	\$74,531,656	\$70,577,926	

Logistics

Cares Act – Personal Protection and Response Equipment

1 million+ – Requisitions processed for COVID 19 and response equipment

- **Ambulance Bus** – Capable of treating and transporting up to 18 patients simultaneously
- **Aeroclave** – A misting decontamination system
- **Personal Protective Equipment** – Masks, gowns, eye protection etc.

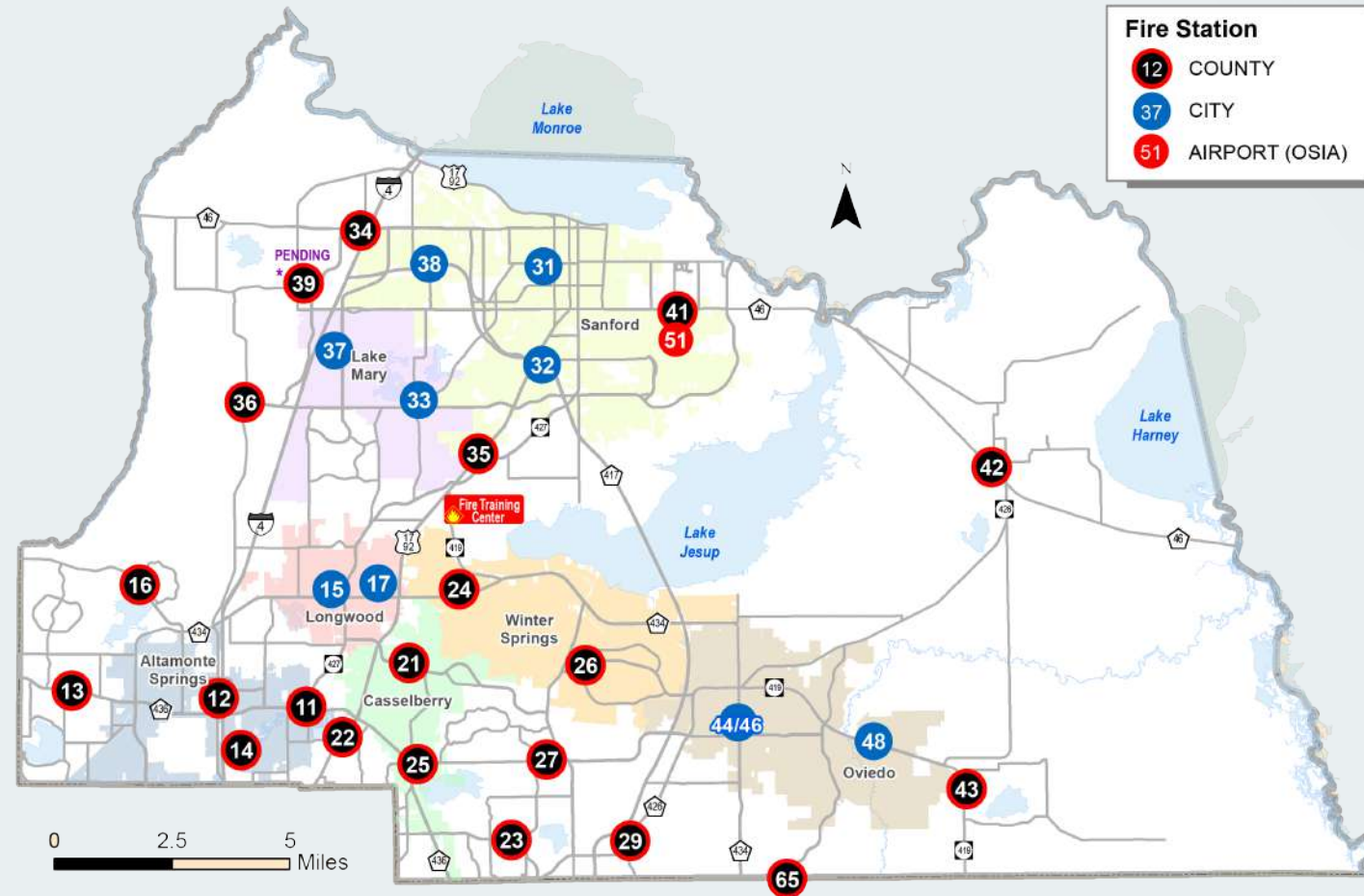
Calendar Year 2020 - Logistics

- Laundered 400 sets of PPE (1600 pcs.)
- Delivered/processed 1628 uniform orders.
- Involved directly and indirectly in the purchase of materials and equipment totaling \$17,102,452 via purchase orders.
- Involved directly and indirectly in purchase of materials and equipment totaling \$216,039 via purchase card.
- Prepared uniforms and PPE for two new hire classes totaling 42 people.



REBECCA WARD
ASSISTANT CHIEF
FIRE SUPPORT





OF FRONT LINE UNITS



ENGINES - 18



MARINE UNITS - 8



AERIALS - 4



RESCUES - 21



BRUSH TRUCKS - 8



UTVS - 3



TANKERS - 4

SPECIAL HAZARDS & OPERATIONS UNIT (SHOT) - 1

MOBILE COMMAND UNIT - 1

BARIATRIC UNIT - 1

REHAB - 1

OF RESERVE UNITS

ENGINES - 10

AERIALS - 2

RESCUES - 10

6X6 EVACUATION
UNITS - 2

NEW UNITS:

TANKER 43 – SERVING CHULUOTA

TOWER 25

AMBU BUS





DON HARKINS
ASSISTANT CHIEF
PLANNING & ANALYTICS

Cares Act Technology

Tablets - \$3,579

Emergency Communications Consoles for secondary site - \$395,777

Text to speech technology - \$268,889

Remote call takers program - \$100,275

Drones

ISO

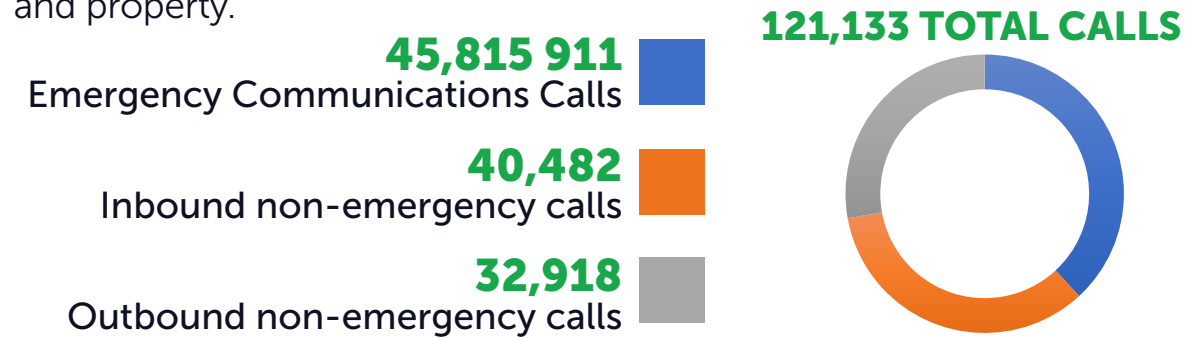
Pre-fire
plans

Pre-alert
system



Pre-Alert System

The pre-alert system was designed and implemented to reduce call processing time. In its initial stage call processing time has been reduced from 2:56 to 1:27 seconds, saving precious time that can help save lives and property.



*The Emergency Communications Center workload is based on many factors including the number of calls received and made, the multitude of radio transmissions, and CAD (Computer Aided Dispatch) related tasks in support of a single incident. One incident can generate multiple calls within the ECC.

Total Calls – 2016: 107,700; 2017: 120,900 (Hurricane Michael); 2018:115,172; 2019: 114,591; 2020: 121,133 (COVID-19)

FIRE RESCUE FACT: Call processing time is the time segment from when the alarm is received at the emergency communication center until the response information begins to be transmitted to emergency response units.



**SUZANNE
LADD DEFILLIPS**
PROGRAM MANAGER
EMERGENCY
COMMUNICATIONS





CHRISTINA DIAZ
FIRE MARSHAL

2480
NEW
INSPECTIONS

72
FIRE
INVESTIGATIONS

4704
EXISTING
INSPECTIONS

3106
PLANS
REVIEW



Christina Diaz FFMIA 2020
Fire Marshal of the Year



Seminole County Fire Marshal Christina Diaz was honored as the 2020 Fire Marshal of the Year, which was awarded by the Florida Fire Marshals and Inspectors Association (FFMIA). Diaz joined SCFD in 2016 as a Fire Inspector II and became Fire Marshal in October 2018. She became a Fire Inspector almost 14 years ago and has been the backbone of SCFD's Fire Prevention Department and spearheaded many programs and initiatives that benefit both Seminole County businesses and residents.

"Fire Marshal Diaz sets the example for fire prevention and life safety. She is a true subject matter expert in understanding written code and applying it to real-world situations. She is also a champion for Fire Safety and always available to provide assistance. She serves as an outstanding leader who others naturally follow and want to emulate."

-Michael Johansmeyer, CFO, EFO Deputy Chief of Administration, Seminole County Fire Department

OFFICE OF THE FIRE CHIEF | FIRE PREVENTION





PAULA J. THOMPSON
COMMUNITY OUTREACH/
PIO



371
SMOKE ALARMS
INSTALLED



397 POST
10,265
FOLLOWERS



7,424
IMPRESSIONS
2,717 FOLLOWERS



PulsePoint
1,800 CPR ENABLED **5,196 FOLLOWERS**



27,092 **COMMUNITY**
RELATION
CITIZEN CONTACTS



21,298 REACHES
713 FOLLOWERS
*NEW ACCOUNTS AS OF 8/17/20



747 **SAVE A LIFE**
SEMINOLE
HANDS ONLY CPR

Due to COVID 19 Community Outreach
looked a little different in 2020

- Hospital Parades
- Birthday Drive-by's
- Story time



FIRE RESCUE FACT: PulsePoint is an application in which CPR trained citizens can receive alerts for residents that experience sudden cardiac arrest in a public location.





STATION 11 BEGINS CONSTRUCTION



SMOKE ALARM RALLY - WEATHERSFIELD IN ALTAMONTE SPRINGS



DRONE PROGRAM

CARES ACT FUNDING



TANKER 24 & 43



STEP OUTSIDE CAMPAIGN

AEROCLAVE PURCHASE

PRE-ALERT SYSTEM



VACCINE TRAINING



COVID 19 RESPONSE CHANGE

EMERGENCY MEDICAL SUPERVISOR (EMS) ESTABLISHED

BURN BUILDING



INSTAGRAM ACCOUNT

SMOKE ALARM GRANT
177,000

TOWER 25



COVID-19 PPE GRANT
204,000

REMOTE 911



STATION 39 DESIGN PHASE

AMBU BUS









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