

FORT WORTH FIRE DEPARTMENT

2019 ANNUAL REPORT

#

DOING
GOOD
STUFF*

122,048
RUNS
2.6% INCREASE



We honor the memories of those who made the ultimate sacrifice in the delivery of our mission.

Benjamin O. Keeton - J. Frank Powell - Frank P. Keniff - Alfred S. Hayne
William M. Thompson - Frank Bishop - Frank Massingale - Robert R. Cocke
Brain William Collins - Bobby W. Abshire - Harry Slate - Otis Harmon Redden
John Franklin Newman Jr. - J.E. Sadler - Gregory L Cocke - Charles L. Smith
Robert Lane Keen - Phillip Wayne Dean - John M. Bennett - Louis E. Ferguson
Paul H. Lindsley - George Herbert Buckland Sr. - Joseph Edward Westmoreland
Travis Scott Jackson - George E. Wilson - Joseph William Buswold
Willis Howard Bargsley - Charles R. Bostick - Harrison Henry Williams - Earl Warren
Henery L. Payne - Oscar W. McCain - Melvin Eugene Kays - Van Buren Murhy
Hubert Elmo Barham - Richard S. Rockett - William Blake - Earl L. Gammons
John O'Donnell - Rickey C. Turner Sr. - Keven G. Teague



Captain

Keven Teague

1973 - 2019

Our Mission Continues

To serve and protect through education, prevention, preparedness, and response.

The Fort Worth Fire Department became a professional organization on November 21, 1893. 126 years ago, it was tasked with protecting citizens from the perils of uncontrolled fires, we now take an all-hazards approach to accomplishing our mission, as well as providing emergency medical services.





“to rally our own ranks and reinforce the mission and simple call to leave our city a little better at the end of each shift than when we started.”

FIRE CHIEF JIM DAVIS

I am once again pleased to provide the Annual Report of the Fort Worth Fire Department (FWFD). This year we highlight accomplishments from each of the divisions. Since this was my first full year with the men and women of the Fort Worth Fire Department, I not only spent much of my time getting to know the people who make up the department by visiting stations and going to calls, but also spent time getting to know the Fort Worth community that we serve and the many partners who contribute to this work. Through these partnerships, we are able to leverage our strengths to produce the best outcome for the community.

I continue to encourage all members of the Fort Worth Fire

Department to “Do Good Stuff” every day and I’m pleased that many have embraced this call, even using #DGS to communicate this among themselves and to the larger community. The cover photo on this report is an example. This photo was not taken from a training exercise. Rather, it is from an actual rescue much like many others performed routinely by Fort Worth Firefighters. These are the incidents that necessitate the rigor of initial and ongoing training. We will continue to #DGS and promote this to rally our own ranks and reinforce the mission and simple call to leave our city a little better at the end of each shift than when we started.

The accomplishments and success

of the FWFD are only possible because of the support and leadership of our city, including City Manager David Cooke and the City Manager’s Office, Mayor Betsy Price, as well as the members of city council and their staff. They, along with the other city departments, share our responsibility

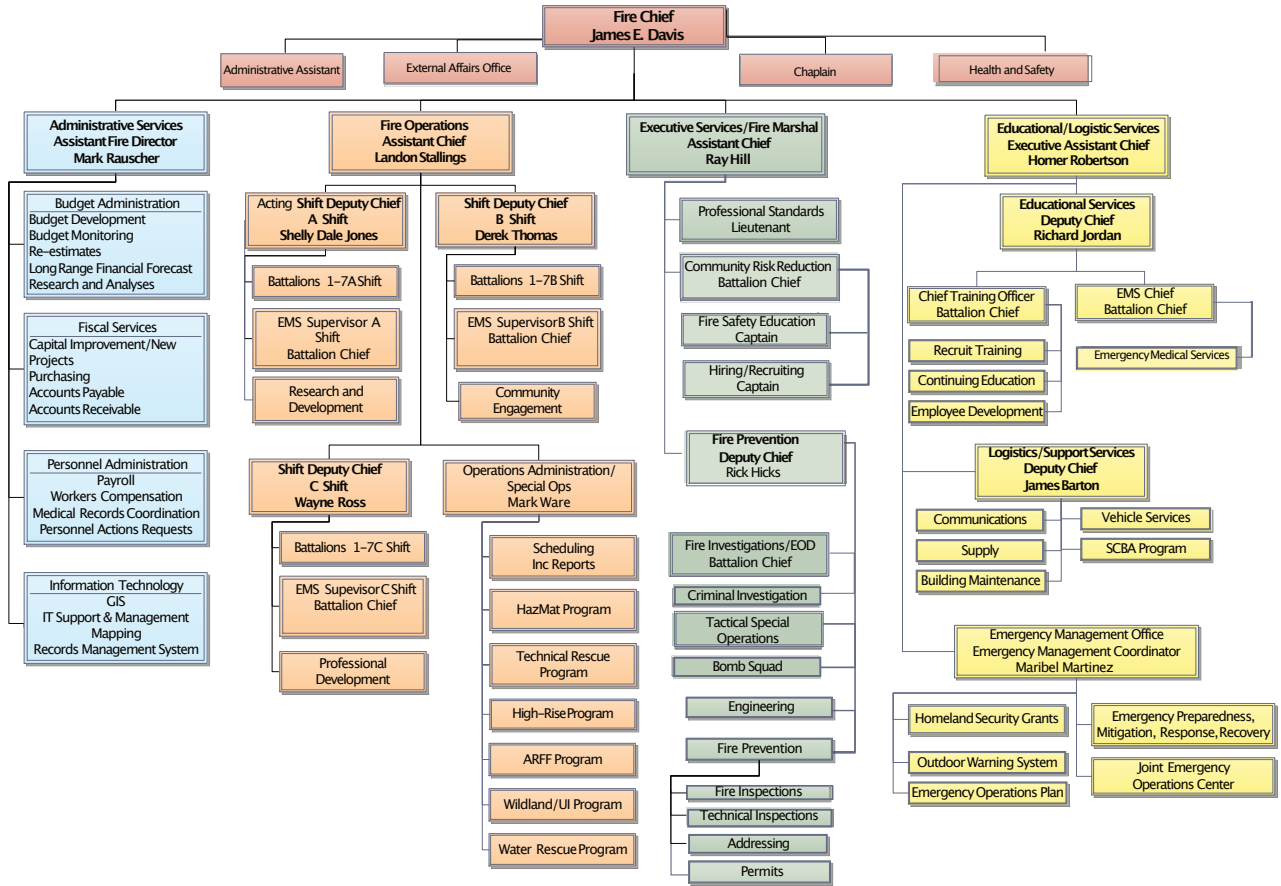
to meet the needs of a growing city. It is only through our cooperation and partnership that these needs continue to be met. The Fire Department remains grateful for their continued support.

The Fire Department suffered an enormous loss in 2019 with the death of Captain Keven Teague who served the City of Fort Worth with dedication and professionalism for over twenty-five years. Keven’s memory will live forever in our hearts and we are certain he continues to look over the members of our department. As Deedra, Rhys, and Penelope adjust to changes in their lives that they did not ask for, nor deserve; they will forever be members of the FWFD family and we will never forget. Keven’s death also serves to underscore the disproportionate prevalence of cancer among members of the fire service and highlights the importance of initiatives undertaken by this department and other fire departments across the nation to protect firefighters from exposure to carcinogens.

I hope the Fire Department continues to be a source of pride and inspires continued support from our many partners in the Fort Worth community. I am proud to serve with the men and women of this department and we remain committed to providing the citizens and guests of Fort Worth with the highest level of service.

Respectfully,
James Davis
Fire Chief

Fort Worth Fire Department



Updated 8/5/2019



Executive Staff (Left to Right)

Fort Worth Professional Firefighters Association

The International Association of Firefighters (IAFF) granted the Fort Worth Professional Firefighters Association their Charter in October of 1935 as Local 440. Several years later the members of Local 440 were one of the six charter locals for the Texas State Association of Firefighters. There are currently 939 members of the bargaining unit represented by Local 440. The mission statement for Local 440 is as follows: "To protect and advance the wages, benefits, working conditions and rights of all members – past, present and future." Through this guiding principle, Local 440 serves as the primary labor management liaison with the Fort Worth Fire Department Administration.

Local 440 is also actively involved with the Muscular Dystrophy Association and manages their own Fort Worth Firefighter Charities. Through this additional organization, thousands of dollars have been used to assist members of the Fort Worth community through a partnership with Cook Children's Hospital to provide car seats, life jackets, and a drowning prevention program. They have also been able to provide air conditioners for residents in need.

We have maintained membership on each fire department committee where we have been able to provide input on behalf of our membership. It was the members of Local 440 on the Apparatus Committee that pushed to have the TCU Horned Frogs branding emblazoned on the new Quint 21. Dickies Arena welcomed us as partners by way of our seat licenses when they opened their doors last fall. We finalized our new Collective Bargaining Agreement with the City in June and it expires September 30, 2022. As we completed the first full year with Chief Davis at the helm it was apparent there was a new approach to an even better labor-management relationship as we have worked collaboratively to solve a variety of issues we have faced as a department.



- Michael Glynn - President
- Ryan Zelazny - Secretary / Treasurer
- Zac Shaffer - 1st Vice President
- Scott Streater - 2nd Vice President
- Thad Raven - 3rd Vice President
- Skyler Ainesworth - Trustee
- Jeremy Bishop - Trustee
- Josh Clark - Trustee



Annual Report Team
Chief Jim Davis

Project Management
Asst. Fire Dir. Mark Rauscher

Data & Analysis
Mike Kazda, Doug Zedler

Design, Layout & Photography
Lt. Matt Brashear, Glen E. Ellman

Distribution
Eng. Mike Drivdahl

ADMINISTRATION

8 FWFD Budget

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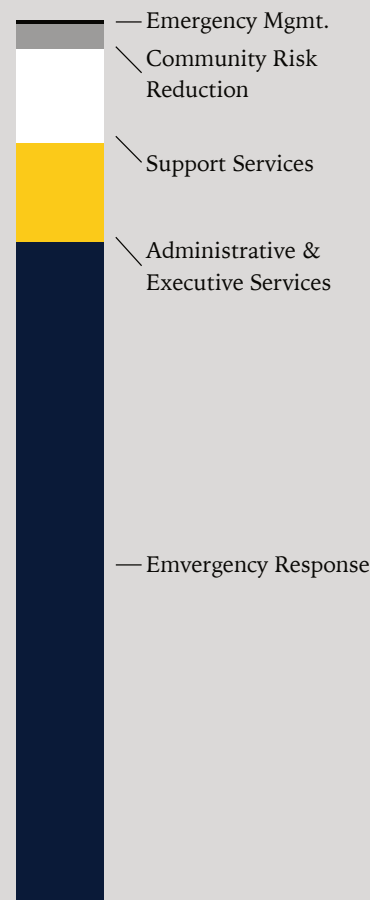


BUDGET

The Fort Worth Fire Department had a FY 2019 budget of over \$150 million dollars. By comparison, the adopted budget for FY 2020 is approximately \$160 million dollars.

As illustrated by the FY 2019 and FY 2020 budget breakdown, 90% of the budget is tied to salaries/benefits, with less than 3% (approximately \$4.4 million) consisting of discretionary funding.

2020 WORKING BUDGET BY FUNCTION



2019 Budget

	FY2019 - Adopted	Percent of Total
TOTAL Salaries & Benefits	\$ 134,205,413	89%
Professional & Technical	\$ 6,494,708	4%
Utilities, Repairs, Rentals	\$ 4,822,281	3%
Other Purchased	\$ 1,328,989	1%
Supplies	\$ 3,012,540	2%
TOTAL General Operating & Maintenance	\$ 15,658,518	10%
TOTAL Transfer Out	\$ 203,927	0%
TOTAL Budget Allocations	\$ 150,067,858	

2020 Budget

	FY2020 - Adopted	Change from 2019	Percent of Total
TOTAL Salaries & Benefits	\$ 144,141,168	\$ 9,935,755	90%
Professional & Technical	\$ 6,570,390	\$ 75,682	4%
Utilities, Repairs, Rentals	\$ 4,866,139	\$ 43,858	3%
Other Purchased	\$ 1,275,107	\$ (53,882)	1%
Supplies	\$ 3,102,522	\$ 89,982	2%
TOTAL General Operating & Maintenance	\$ 15,814,158	\$ 155,640	10%
TOTAL Transfer Out	\$ 203,927	\$ 0	0%
TOTAL Budget Allocations	\$ 160,159,253	\$ 10,091,395	

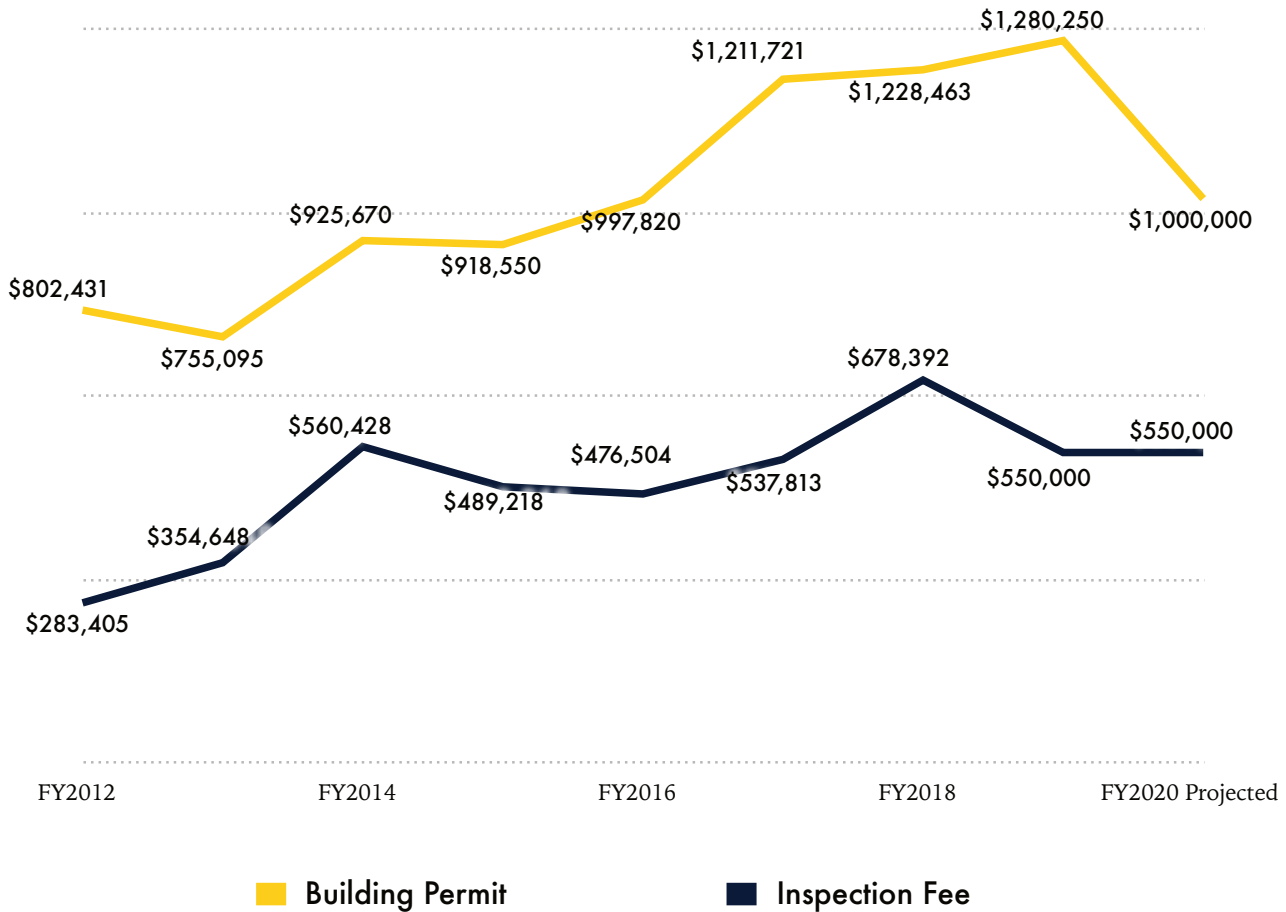
2020 Gen. O & M

	FY2020 - Adopted	Percent of Total Budget
Non-Discretionary Accounts		
ITS	\$ 5,100,000	3.2%
Fleet	\$ 4,200,000	2.6%
Utilities	\$ 1,100,000	0.7%
Risk/Death Benefits	\$ 987,000	0.6%
Discretionary Accounts	\$ 4,400,000	2.7%

REVENUE

The department receives revenue from various sources including building permits, inspection fees, and providing fire protection services to Westover Hills and Westworth Village. The department also receives revenue to offset the costs of personnel required at large assemblies. Revenues totaled over \$2.8 million dollars in FY2019. However, revenue is projected to drop to \$2.5 million dollars in FY2020 due to a decrease in building permit activity.

Annual Revenue



Revenue Account	Fiscal Year 2019 Adopted	Fiscal Year 2020 Submitted	Change	Percentage of TOTAL
Fire-Related/Mobile Fueling Permit	\$ 44,000	\$ 44,000	\$ 0	2%
Building Permit	\$ 1,280,250	\$ 1,000,000	\$ (280,250)	39%
False Fire Alarm Fees	\$ 45,750	\$ 45,750	\$ 0	2%
Fire Inspection Fees	\$ 550,000	\$ 550,000	\$ 0	22%
Fire Svc - Westover Hills	\$ 179,339	\$ 180,524	\$ 1,185	7%
Fire Svc - Westworth Village	\$ 353,816	\$ 360,335	\$ 6,519	14%
Misc. Revenue/Fire Report Fee	\$ 5,700	\$ 5,700	\$ 0	0%
Recovery of Internal Labor Costs	\$ 294,396	\$ 294,396	\$ 0	12%
Transfer from Airport	\$ 59,501	\$ 59,501	\$ 0	2%
TOTAL REVENUE	\$2,812,752	\$2,540,206	-\$272,546	100%

EXECUTIVE SERVICES

Executive Services	2016	2017	2018	2019	2020 Target
Number of commercial fire inspections completed	7,880	8,835	16,153	13,065	15,000
Clear 18% of arson cases	37.0%	26.4%	26.7%	36.4%	18%
Provide public education to 75,000 citizens	77,893	60,721	70,137	67,036	75,000

BUREAU OF FIRE PREVENTION

The Bureau of Fire Prevention (BFP) effectively and efficiently addresses community risks by:

- Preventing incidents from occurring
- Reducing the overall impact of incidents when they do occur, and
- Aligning prevention services with what customers value and want.

Fire inspections are conducted to positively impact:

- Public safety
- Firefighter safety
- Property conservation

Per the City of Fort Worth Fire Code, all commercial businesses operating in the City of Fort Worth are to be inspected for fire code and life-safety issues. The Fire Department has over 18,500 assigned commercial inspections to conduct annually. Approximately 16,000 of these are assigned to fire companies at the 43 fire stations across the city.

Additionally, there are about 2,500 special occupancies assigned to inspectors from the Bureau of Fire Prevention. These facilities are greater than four stories in height or have a footprint that exceeds 200,000 SF. Sensitive facilities such as hospitals, daycares, and nursing homes with a capacity greater than 100, public assembly places with an occupancy greater than 200, or facilities storing or processing hazardous materials are also inspected by the Bureau of Fire Prevention.

On the next page are the number of inspections the BFP completed by occupancy type for 2019. Approximately 85% of inspections were completed for the year.

Accomplishments

- Establishment of the R2/ Apartment inspection unit in the BFP.
- Finalized the implementation of biennial risk-based inspections specific to Operations for 2020.
- Special events management team concept established to meet the growing demand of special events throughout the city, including efficient streamlining of planning and coordination with venues.
- Involved in major development project completions including Dickies Arena, American Airlines Headquarters, Facebook, Mule Alley-Stockyards, high-rise buildings, and many multi-family apartment structures.
- Over \$1.8 million in generated revenue.

2,500 SPECIAL OCCUPANCIES ASSIGNED TO THE BUREAU

16,000 COMMERCIAL INSPECTIONS CONDUCTED BY FIRE COMPANIES

18,500 TOTAL COMMERCIAL INSPECTIONS



Completed Commercial Inspections by Occupancy

Type	Jan	Feb	March	April	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Total
B-1	32	31	34	34	34	22	25	26	32	30	32	29	361
B-2	31	31	24	26	45	11	10	25	27	18	8	0	256
Hospitals / Institutions	12	12	11	16	7	8	15	13	10	2	6	6	118
B-3	25	21	21	20	14	17	15	13	13	12	14	14	202
B-4	24	15	24	26	19	15	22	27	11	11	7	9	210
B-5	45	43	41	42	38	23	33	38	30	23	12	5	324
B-6	0	8	18	28	34	18	20	8	15	23	12	21	205
Daycares	46	21	25	46	32	26	29	29	30	23	12	5	324
Schools	18	10	17	18	16	20	27	22	28	26	11	25	238
Total Completed	233	190	198	228	205	142	176	197	181	154	119	109	2,132



ARSON INVESTIGATIONS & BOMB SQUAD

Arson/Bomb Investigators with the Fort Worth Fire Department are professional firefighters who have completed additional training to become Texas commissioned peace officers and certified arson investigators. These individuals examine fires that may have been intentionally set and investigate threats of explosive devices or suspicious items. Their mission is to prevent fires and explosions through effective investigation, and by prosecution of those responsible, in order to serve as a strong deterrent to others who might commit arson or incendiary acts in the future.

Fire Investigators respond to determine the origin and cause of a fire and whether a crime has been committed. This section is responsible for on-scene investigation, collection and processing of evidence, case development, interviews, issuance of warrants, arrest, filing criminal charges, and expert testimony. Administratively, this section approves all firework permits, provides stand-by at pyrotechnic shows to ensure proper codes are followed and performs background investigations on all new fire department applicants.

Bomb Technicians respond regionally to hazardous device incidents for assessment, render safe procedures and disposal operations. They frequently partner with federal, state and local resources in both criminal investigations and deployment to special events in the city as part of a Joint Hazard Intervention Team. As part of their Homeland Security and Intelligence function, members ensure relevant and timely information is made available to Fire Operations and frequently train first responders and citizens for response to Active Threat Incidents. The Bomb Squad is also responsible for the management, deployment, and training of the city's bomb detection K-9 program. The program recently added two specialized vapor wake canines to the group

Investigations

Activity

	2019	2018	2017	2016	2015
Fires Investigated	469	595	579	518	561
Arson Fires	107	129	145	120	108
Fire Fatalities	11	6	3	2	10
Fire Injuries	57	53	42	19	24
Citations Issued	12	4	16	8	12
Total Cases Filed	39	38	44	32	29
Arson Cases Filed	37	33	42	20	Unk
Arson Prosecution Rate %	34.58%	25.58%	28.97%	16.66%	26.9%
Juvenile Fire-setter Referrals	11	10	14	11	18

Administrative

Activity

	2019	2018	2017	2016	2015
Public Information Requests	1,531	1,265	1,165	1,146	1,021
Incident Reports Issued	370	360	389	371	421
Pyrotechnic and Blasting Permits Issued	104	100	90	127	104

Major Accomplishments

- Received \$70,477 in Fire Prevention and Safety Grant funds to conduct hands-on fire investigation courses totaling more than 200 continuing education hours per person.
- Modernized the interview room to be compatible with Fort Worth Police networked system for recording and preserving video evidence.
- Hosted a Robot Maintenance Course for the region to update and perform preventative maintenance on bomb response robots.
- Trained one member for Fusion Center duties as collaborative effort with Fort Worth Police Department.
- Provided explosive detection sweeps and stand-by for the opening of Dickies Arena.

COMMUNITY RISK REDUCTION

The Community Risk Reduction section offers a wide array of programs throughout our community, from pre-kindergarten to senior citizens. Classes offered to the general public focus on a variety of fire and life safety topics.

The mission of the FWFD's Community Risk Reduction section is to minimize the loss of life and property resulting from fires, medical emergencies, environmental, and other disasters through education and proactive engagement.

The Community Risk Reduction programs focus on fire prevention, life safety issues and hazards in the home and workplace. Programs and materials are tailored according to the audiences.

The FWFD will check smoke detectors, change batteries, or even install a smoke detector in your residence if you cannot afford one. We also have smoke detectors specially designed for people who are hearing impaired. Other risk-reduction offerings include:

- Fire extinguisher training with state of the art technology.
- Compression only CPR training with MedStar and Safe Communities Coalition.
- Swimming pool safety classes and drowning prevention.
- Assisting with evacuation planning of high occupancy locations (e.g. high rise).
- Citizens Fire Academy.
- Assistance with youth fire setter prevention/education.
- Learn Not to Burn programs for elementary students in Fort Worth.
- Fire Clowns to educate the young and young at heart.
- Fire Safety House.
- Fire and Life Safety presentations with local neighborhood associations.
- Fire prevention seminars for multi-occupancy property owners.

Major Accomplishments

- Read Fort Worth: Facilitated successful 6 week summer reading program.
- Sound the Alarm: Partnered with the American Red Cross; targeted 1109 homes; installed 279 smoke alarms.
- Are You Prepared: Collaborated with Fort Worth Safe Communities Coalition and partners to host an Emergency/ Disaster Preparedness and Health Safety Fair for large, high-occupancy businesses and institutions.

INITIATIVES

Read Fort Worth

Goal is to integrate an intentional, measurable reading intervention into a youth program to increase proficiency in the Five Pillars of Literacy.

Fire Explorer Program

It is our organization's intent to enable young people to become responsible individuals by teaching positive character traits, leadership, career development and life skills so they make ethical choices and achieve their full potential. Our program will allow youth to gain insight and interest in becoming long-term members of the emergency services.

Peaks and Ladders

A collaboration between Cook Children's Healthcare System, Fort Worth Firefighter Charities, and Fort Worth Fire Department. Prevention Programs include:

- Bike helmet awareness: Training with Cook Children's Hospital
- Drowning Prevention: Coast Guard Approved Life Vests distributed to patients at Cook Children's Hospital and the community.
- Stop the Bleed Training: The goal is to train all Fort Worth ISD teachers and nurses to utilize proper trauma care for life-threatening traumatic injuries.
- Meals On Wheels: Assessed vitals, checked smoke alarms, delivered medical assist devices and delivered Christmas gifts for clients.

RECRUITMENT

37 Average Attrition Rate

2,687

Signed up to take the entrance exam

The mission of Hiring/Recruiting is to attract a diverse qualified applicant pool that is a representation of the city of Fort Worth. Our recruiting efforts target various community groups, faith-based organizations, sports and athletic programs, schools/colleges, and the military to help identify qualified applicants. We inform and educate potential candidates of the skills, knowledge and abilities necessary to become a firefighter in the City of Fort Worth.

The FWFD offers a civil service exam for those interested in testing for the fire recruit position. Minimum requirements to test are:

- Must have either a high school diploma, a GED, or 12 college semester hours
- Must have a valid driver's license
- Must be a U.S. citizen or have a valid work permit

- Must be at least 18 years old
- Must not have reached your 36th birthday on the date the exam is administered
- Must have no felony convictions

The hiring process includes:

- Civil service written exam
- Mandatory orientation
- Physical ability assessments
- Background investigations
- Oral interview
- Medical evaluation

1,314

Tested

778

Applicants processed

234

Completed review process

46

Offered position

46

Accepted position

36

In Academy at the time of this report



33

FWFD Academy Graduates in 2019

Graduating class #85

PUBLIC INFORMATION OFFICE

The Public Information Office serves as the department's communication link to the community, the department and the media outlets. The position reports to the Executive Services Assistant Chief but works closely with the Fire Chief and the Executive Staff as well. Job responsibilities include the creation, organization and distribution of information regarding department activities, the department's website, newsletter and various social media sites. Seasonal fire safety awareness and community emergency preparedness information are coordinated through this position as well. During emergency incidents, the Public Information Officer serves as a liaison with the media. Once on scene, the Public Information Officer works with Incident Command to develop a clear picture of the incident. Briefings are held on scene for the media and regular updates are communicated through interviews, press releases, and social media postings.

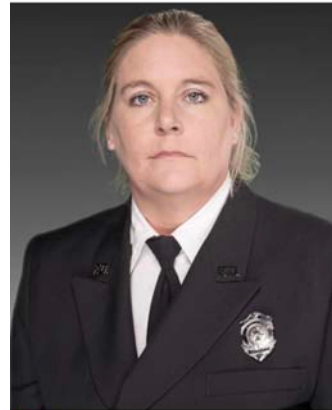


TOP RANKED POSTS

Decemper 31st
FACEBOOK
 578K Reach
 115.6K Engagements

Fort Worth Fire Department
 December 31, 2019 · 🌐

At 5:54 this morning, F.W.F.D Engine 11 was dispatched to a reported MVA with a vehicle rolled-over on Highway 114 westbound, just south of Texas Motor Speedway. When E11 arrived on scene, Firefighter Shonna Moorman exited the engine and made her way toward the accident scene. As Firefighter Moorman approached the front of the engine she heard the sound of a vehicle coming to a rapid stop behind her. Firefighter Moorman made the quick decision to continue moving toward the front... See More



👍👍👍 4.7K 1.2K Comments 3.2K Shares

Fort Worth Fire Department
 August 22, 2019 · 🌐

The first official business for the new truck was to make sure Capt Keven Teague's kids made it to their first day of school. Capt Teague lost his battle with cancer in May of this year.



👍👍👍 3.1K 174 Comments 935 Shares

August 22nd
FACEBOOK
 183.4K Reach
 31.3K Engagements

Fort Worth Fire Department
 February 2, 2019 · 🌐

On 2-2-19 crews were dispatched to assist with a cow stuck in the mud. The cow had been stuck for several hours and was exhausted. Crews were able to use a hauling system and safely bring the cow up to dry land. The cow appears to be ok. #CowTown



👍👍👍 455 67 Comments 178 Shares

Feb 2nd
FACEBOOK
 103.8 Reach
 6.9K Engagements



Supporting operations with the tools, training, and services it needs to help people

The Educational and Logistical Services Division (ELS) performs initial training for new firefighters, as well as continuing education and health and wellness programs for all personnel. This division also manages some aspects of facility maintenance, vehicle and firefighting apparatus fleet, the storage and distribution of uniforms and operating supplies, fire hoses and ladder equipment. The Fire Alarm Office (FAO) and the Office of Emergency Management (OEM) are under this section as well. The Office of Emergency Management is responsible for preparing, protecting, and serving the community through disaster education, prevention, preparedness, and response. The FAO handles all dispatching.

FIRE & EMS TRAINING

The Training Division is responsible for all aspects of firefighter training including initial recruit training, apprenticeship program, continuing education for professional firefighters, professional development training, and training with numerous mutual aid partners.

Training of firefighters is governed by the Texas Commission on Fire Protection, as authorized by Texas

Government Code, Chapter 419. EMS training is governed by the Texas Department of State Health Services, as authorized by Texas Health and Safety Code, Title 9, Chapter 773. Both of these governing bodies set standards for initial training, testing, and certification, as well as continuing education requirements, and additional training for specialized functional areas.

The move to the state-of-the-art

Bob Bolen Public Safety Complex (BBPSC) has enhanced ELS's mission of helping people by supporting the Operations Division with the training, tools, and services they need. The BBPSC has also made it possible for the ELS to extend training beyond the FWFD to other outside agencies and regional partners. In 2019, 80 FWFD Instructors provided over 30,248 hours of training. This resulted in the following activities:

Training on removing a victim and treating the victim for smoke inhalation



30,248
TOTAL Hrs

EMS

15,688
Training
Hours

FIRE

13,980
Training
Hours

PRO-DEV

2,792
Training
Hours

MUT. AID

272
Training
Hours

Pro-Development

	Professionals	Training Hours
NIMS 300	30	600
Instructor 1	30	1,200
NIMS 400	24	288
Incident Safety Officer	44	704
TOTAL	128	2,792

EMS Training

	Professionals	Training Hours
CPR Recert & Zoll Familiarization (BLS/ALS)	880	3,520
OMD Protocol Testing (BLS/ALS)	925	3,700
Patient Assessment/Shock (BLS)	630	2,520
Treating the Fire Ground Patient (BLS/ALS)	799	3,196
12-Lead/Seizure/Pharmacology (ALS)	74	592
Medic Refresher (ALS)	64	512
PHTLS Recertification (ALS)	82	656
ACLS Recertification (ALS)	52	416
Cadaver Lab/Advanced Airway (ALS)	72	576
TOTAL	3,578	15,688

Fire Training

	Professionals	Training Hours
SCBA Recertification	821	3,284
Flashover	727	2,708
Forcible Entry / Ventilation	662	2,648
Search / Thermal Imaging Camera	724	2,496
Vent Enter Isolate Search	715	2,844
TOTAL	3,649	13,980

Mutual Aid Training

	Professionals	Training Hours
Burleson	7	28
Eules	23	92
DFW	4	16
Lake Worth	16	64
Saginaw	18	72
TOTAL	68	272

EMERGENCY MEDICAL TRAINING

Ops leveling up and Training meeting the challenge

With the addition of Zoll X Series monitors and a full complement of Advanced Life Support (ALS) medications and equipment on all engines and stand-alone quints, it is safe to say Operations “leveled up” in 2019. These expanded EMS capabilities have required the Training Section to keep pace and they continue to rise to the challenge and advance the FWFD’s capabilities even further.

The Training Strategy

The EMS division within Training adopted a strategic plan for reinforcing the EMT-B skills and knowledge while also educating basic providers to better support the on-scene operations of advanced providers using these advanced tools.

The approach to medic quarterly training has also been updated. Medic

quarterly training has historically been used to keep our FWFD medics up-to-date on their required ACLS, PALS, PHTLS, and AMLS certifications. It was discovered through post course evaluations that medics didn't find value in going through the motions to simply check a box. Rather, they preferred a more focused approach to quarterly training. As a result, the EMS division partnered with the Office of the Medical Director, UNT Health Sciences, and Harris Hospital to provide a hybrid approach where half of the quarterly trainings satisfy requirements for card recertification and the other half are focused on issues identified through medic polling and QA trends.

Defibtech ARM Trial

2019 provided a number of opportunities for Training to assist Ops in equipment trials. One such trial was for the Defibtech Lifeline ARM. The trial

included three engines, E4, E24, and E26. One ARM was deployed to each of these engines and was utilized on cardiac arrests for a period of 90 days. The ARMs were used collectively a total of 30 times in that period. Return of Spontaneous Circulation (ROSC) was achieved 5 times with 3 people ultimately walking out of the hospital. While the trial was short-lived, feedback from the engine crews was unanimously and overwhelmingly favorable. Chief Davis and his staff recognize the importance of this tool and are currently exploring ways to procure this equipment for wider use by the FWFD.



FIRE TRAINING

2019 Fire CE training highlights:

SCBA CE focused on becoming aware of our air consumption rates as well as skills to extend out air if we ever get caught in an extended entrapment situation.

We ran the whole department through flashover training. It had been over 10 years for most since our last flashover training. With the increase in synthetic fuel loads Training felt it was important to revisit the subject. 104 flashover burns later we succeeded in refreshing our skills of preventing and recognizing this life-threatening phenomenon.

Training was able to purchase 2 Braskey forcible entry doors for training on traditional forcible entry using a set of irons. Aluminum forcible entry wedges were also purchased and given to all crews to improve the crew's capabilities of forcing doors. We focused on through the lock entry as well to reduce damage to buildings in the appropriate scenario.

A flat roof prop was built and put atop the TRT training building to simulate a commercial roof. Crews used their aerials to go over a parapet wall and perform vertical ventilation.

Oriented search procedures using a thermal imaging camera were introduced to increase efficiency, accountability, and uniformity across the FWFD.

VEIS (vent, enter, isolate, search) was introduced and built off of the oriented search training from the month prior. Performing VEIS at the proper time will increase the odds of a FWFD member saving a victim at a structure fire.

Our approach this year was to make all of the trainings in 2019 "flow together" as opposed to being independent subjects that had little to

no relation to one another. Each of the trainings in 2019 built on the previous training and laid the groundwork for the next. At the end of the year we ran an all-encompassing drill that put all of the 2019 fire CE's into one fire scenario.

Our goal at training is to give the troops the most realistic hands-on training possible as opposed to sitting through a 3 hour PowerPoint presentation. We can never replicate the fireground completely, but through competent and helpful adjunct instructors and the FWFD body actively participating in the drills we were able to make Fire CE's beneficial for all.



FIRE & EMS TRAINING RECAP AND WHAT'S NEXT

Rundown of 2019 in-service training:

- Jan - SCBA Recertification & Air Consumption Drill
- Feb - Zoll X Series Monitor & CPR
- Mar - Flashover & Scene Size-up
- May - OMD Protocol Recertification
- June - Forceable Entry & Vertical Ventilation
- July - Patient Assessment
- Aug - Ladders & Search
- Sep - Vent Enter Isolate Search
- Nov - Co/Lab Live Fire with Smoke Inhalation Patient

Plans for our 2020 in-service training:

- Jan - SCBA Recertification
- Feb - Human Trafficking and Abuse Reporting
- Mar - Highway Safety
- Apr - Wildland
- May - Treating the HazMat patient
- June - FAO/MDC
- Jul - Active Threat
- Aug - Supply ordering
- Sep - Big Box Fire Attack & Pumping
- Nov - Co/Lab Big Box MCI / Search / RIT

APPRENTICESHIP TRAINING

The Apprenticeship Program is a collaboration with the U.S. Department of Labor and the FWFD. The program has been in operation since 1985. Recruits and new firefighters keep up with their skills by documenting and participating in evaluations at BBPSC every 6 months for three years. Currently, the department has 138 active apprentices. 46 were added in 2019, 795 have completed the program. The Apprenticeship Program is working to increase efficiency by implementing electronic forms on tablets for each recruit to better aid their record keeping and their training.



PRO-DEV

The Professional Development department, in 2019, accomplished many goals. With a large turnover taking place in our department we took on the task of certifying and training the new leaders of our department. We certified our members to be Incident Safety Officers, Officers, and Instructors. In 2019 we also began the process of developing our very own Fort Worth Fire Department PADO (pumping apparatus driver operator) program. We also played a major role in our newer members of the department by coordinating our Mentorship and Apprenticeship programs. We take great pride in each and every position of our department and try to offer specific training for each responsibility. We look forward to seeing what additional opportunities 2020 will bring.

ON-SITE WELLNESS AND REHABILITATION

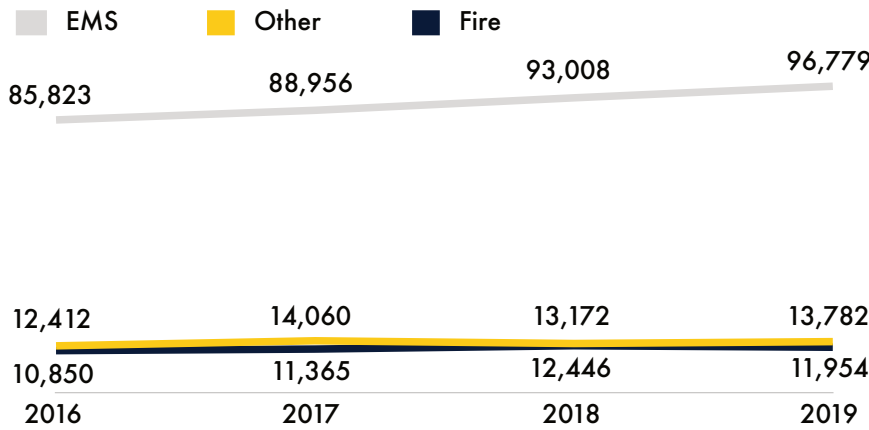
The OnSite WorkStrategies program is a collaboration between the Fort Worth Fire Department, City of Fort Worth Risk Management, and Baylor Scott and White Institute for Rehabilitation SportsHealth. The program has continued to work to improve the health and wellness of the personnel of the Fort Worth Fire Department, improve access to quality healthcare, safely and quickly return to work, and decrease healthcare costs. Projects this year included:

- Continued to implement and utilized Fusionetics with the recruits to assess and improve movement efficiency and reduce injury.
- Collaborated in the development and implementation of the Peer Fitness Program for operational personnel. This includes sending 8 members of operations to the IAFF Peer Fitness Program to become certified peer fitness trainers and starting a daily workout class which is available to all personnel.
- Continuation of ergonomic and work task analyses for various positions within the department to create positions which are available for individuals on light or modified duty.
- Entered into a partnership with TCU Athletic Training Education Program to be a clinical site for their athletic training students. This will provide their students the opportunity to obtain clinical hours and learn more about working with tactical athletes.



FIRE ALARM OFFICE

The Fire Alarm Office receives all emergency calls related to fire incidents, fire alarms, or other non-police related emergency incidents. All medical calls are sent to the Fire Department directly through the computer aided dispatch system. The Fire Alarm Office is staffed with firefighters who answer all calls, provide information to the caller, dispatch operations personnel, and coordinate communications with firefighters both en route and at the scene.

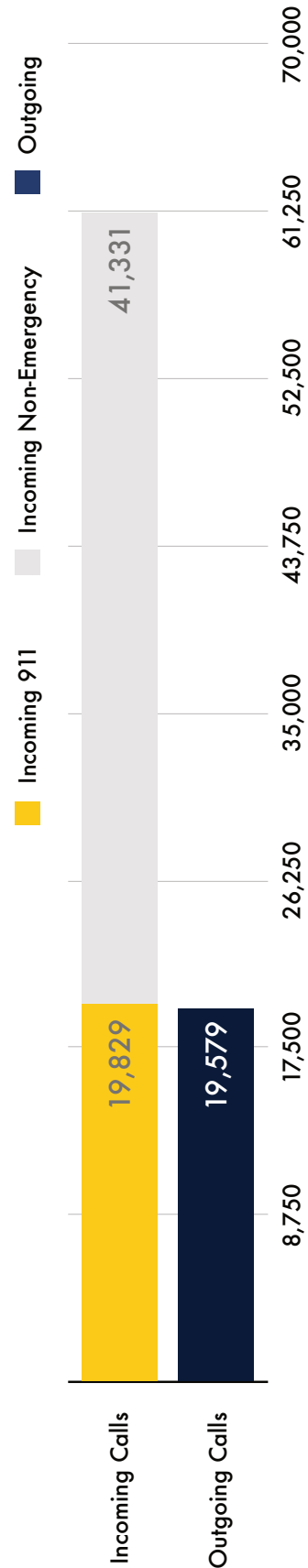
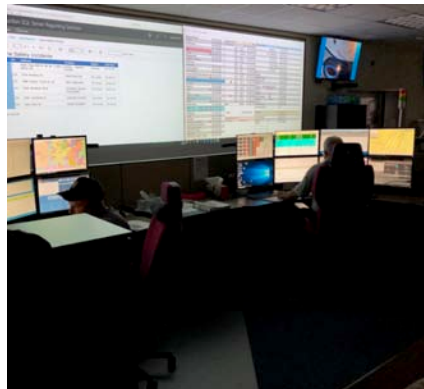


Top 5 Incidents In Each Call Category

2019 EMS Calls	Count
Major Accident	12,593
Breathing Problems	10,264
Chest Pain / Heart Problems	9,914
Psychiatric / Attempt Suicide	7,563
Fainting/Unconscious	7,266
% of All EMS Calls	49%

2019 FIRE Calls	Count
Auto Alarm - Commercial	4,695
Auto Alarm - Residential	2,812
Outside Fire	887
Vehicle Fire	687
Residential Structure Fire	618
% of All Fire Calls	81%

2019 OTHER Calls	Count
Non-emergency Lift Help	4,558
Investigate	2,646
Assist Citizen	1,354
Lockout	1,030
Vapor Gas Leak	871
% of All Other Calls	76%



FIRE APPARATUS & VEHICLE SERVICES

The Vehicle Services Division is responsible for the management and maintenance of the entire fleet of specialized vehicles, fire apparatus, equipment, and tools used by Fort Worth firefighters on a daily basis.

	Frontline	Reserve	TOTAL
Engines	38	25	63
Aerials (Quints, Ladders, etc.)	17	10	27
Brush/Quick Attack	19	1	20
Rescue Vehicles	3	2	5
Additional Vehicles	43	0	43
TOTAL	101	29	130

Other responsibilities of the Vehicle Services Division:

- Testing and certification of hoses and ladders
- Wireless data connectivity equipment upgrades on all apparatus
- Annual small engine maintenance and repair on landscaping equipment and other machinery used to maintain grounds
- Make-ready of new apparatus upon delivery
- Training fire crews on operations and maintenance for new apparatus

Major accomplishments in 2019

- Vehicle Services put into service 3 new Pierce engines and 2 new Pierce quints. We have put an order for 5 more Pierce engines, 1 Pierce quint, 1 Pierce rear mount platform, and 1 Oshkosh ARFF truck. We took possession of 7 new suburbans and have completed the upfit and placed into service in all the battalions.
- We have started doing all PM work in house on small engine repairs in house in order to get a quicker turnaround and back in the hands of crews sooner.
- We worked with city IT and have implemented an online Blue Book and have trained about half the stations in using it.

SCBA AIR SHOP

The Self Contained Breathing Apparatus (SCBA) Air Shop is responsible for the annual preventive

maintenance, testing, and repair of all SCBA used by the FWFD. The Air Shop also manages the hydrostatic testing and refilling of all SCBA and EMS oxygen cylinders used by the department along with the annual fit testing of all SCBA masks used by personnel. The Air Shop provides support at all working structure fires by providing refills of SCBA cylinders on scene as well as replacing masks and air packs damaged during fire incidents.

Air Shop Stats

- Training refills: 362
- Station refills: 3,436
- Working fire refills: 2,814
- Air pack PMs: 409
- Air pack repairs: 392
- Utility compressor repairs: 245
- Mask fit-test: 848
- Cylinder hydro PMs: 61
- Decommissioned air bottles: 125
- FW Dive team bottle fills and repairs: 244

Additionally:

- Worked with the Alarm Office to provide Bluetooth capability between all Officer's portable radios and voice amps in Operations
- The Air Shop put 20 new wireframe SCBA's into service for Training and upgrade Battalion 1 to 45 minute cylinders. All of Battalion 1 and 2 are now using 45 minute cylinders. We are also continuing to research the possible use of a pack washer to help reduce the amount of carcinogens that accumulate on the air packs during fires.



EQUIPMENT SUPPLY

Personal Protective Equipment Technical Support

- Replaced all 2008, 2009 and several 2010 sets of out dated PPE Gear.
- Maintained inventory of Active Threat protective gear vests.
- Repaired PPE throughout several training sessions including SCBA maze, Hi-Rise

Supply

- Maintained inventory of Active Threat protective gear (helmets, vests).
- Personnel assisted vendors to measure, order and deliver Commissary and PPE for approximately 35 new recruits (including: uniforms, PT gear, Blauer jackets, bunker gear and bedding). This included Class 84 & Class 85.
- Outfitted over 500 Firefighters with complete Class A Uniforms.

2020

- Personnel assisted vendors to measure, order and deliver Commissary and PPE for approximately 47 new recruits (including: uniforms, PT gear, Blauer jackets, bunker gear and bedding). This included Class 86 & Class 87.
- Supply to purchase New Structural Gloves and Hoods for all Operations Personnel.
- Supply to purchase New Extraction Gloves, Coats, & Pants for all Operations Personnel.
- Repaired and cleaned all sets of PPE gear required by new NFPA 1851 2020 Edition.
- Class A alterations for over 30 new promotions.

Commissary Items 2019 Total Issuance

T-Shirts without letters	32
T-shirts with letters	3,399
Shorts	806
Sweatshirt	388
Sweatpants	246
Westark Jackets	25
Blauer Jackets	61
Nomex Pants	0
White Dress Shirt s/s	31
White Dress Shirt l/s	96
Grey Polo w/o letters s/s	12
Grey Polo w/o letters l/s	0
White Polo w/o letters s/s	10
White Polo w/o letters l/s	0
Gray Polo Shirts s/s	1,014
Grey Polo Shirts l/s	200
White Polo Shirts s/s	211
White Polo Shirts l/s	18
Fire Department Hats	783
Ties	77
Belts	333
5:11 Pants/Horsesmall Pants	54
BDU Shorts	373
BDU Pants	765

OFFICE OF EMERGENCY MANAGEMENT

The Office of Emergency Management (OEM) is funded primarily by the Emergency Management Program Grant (EMPG) and the Urban Area Security Initiative (UASI) grant programs. The organization is responsible for educating citizens on natural disasters, terrorism and other hazards, preparing and implementing the CFW Emergency Operations Plan, conducting training, drills and exercises for first responders and EOC personnel for response readiness, implementing public warning notifications, activating the Joint Emergency Operations Center during special events and disasters, coordinating resources and distributing situational awareness reports, and managing grants provided by the Department of Homeland Security.

2019 was a busy year for OEM across all sections. Systems, configurations and processes were implemented to integrate common operating pictures and increase situational awareness both in the field and in the EOC. Public education efforts were enhanced and OEM social media was rebranded. 2019 was one of the largest emergency preparedness campaigns to date. Training and exercises were held for hazards across the spectrum. City of Fort Worth Continuity of Operations Plan (COOP) were updated and the COOP team continues to be engaged and implemented into EOC operations.

OEM staff were highly active in the region and continue to lead and set the highest standard of emergency management readiness regionally, often being referred to others in the region to follow Fort Worth OEM’s lead and to obtain some of our products and templates. In 2019, OEM staff have been selected to chair regional, state, and national committees and working groups such as the Emergency Management Working Group, North

Texas Sheltering Working Group, Long Term Recovery, THIRA/SPR development, CASA Radar, State of Texas Emergency Management Professional Development, Emergency Management Association of Texas Board, IAEM Scholarship Committee to name a few. Numerous local, regional,

and state organizations and businesses have reached out to OEM to continue to enhance coordination, response, partnerships, and implement new programs to increase community resiliency and overall response readiness.

JEOC Activations

HazMat Alerts (OEM/EOC Activation)	11
Severe Weather Monitoring/EOC Activation	24
Flooding (dam, lake, water main break, etc)	3
Winter Weather Coordination/EOC Activation	5
Cold Weather Overflow Shelter Operations	36
Other Shelter Operations	1
Excessive Heat Coordination	3
Multiple Alarm Fires Monitoring/Support	5
Aircraft Alerts (OEM Monitoring)	12
Law Enforcement EOC Activation	12
Active Threat Coordination/UC Support	1
Special Events EOC Activation (days)	38
Hospital/Medical Issue Coordination	4
Public Health Coordination	1
Mass Casualty EOC Activation	2
Cyber Attack Coordination	1
Animal Issues Coordination	2
Wildfires	0
West Nile Virus Positive Sample Notifications	9
Other	5
Power/Infrastructure Issues Coordination	8
Outdoor Warning System Activation	13
Evacuations (IC ordered, OEM issued)	1
Shelter In Place (IC ordered, OEM issued)	2

Major Emergency Management Programs team accomplishments:

- Tarrant County (Fort Worth) Hazard Mitigation Action Plan was approved by TDEM and FEMA and adopted
- Fort Worth VOAD Coordinator was appointed and helped to coordinate Asylum Operation Planning
- Family Assistance/Reunification Center Lead was appointed. This team through MHMR have deployed to El Paso Shooting Incident and the White Settlement Shooting Incident to provide support
- Numerous Community/Partner Plans were received to the EOC
- Plans for Fort Worth EOP plan update for 2020 are in the works and templates were received by the state
- Continued to administer the close out with City Departments DR-4223 for the 2015 Fort Worth Floods
- Number of exercises conducted (full scale, functional, tabletop, seminar & workshops): 13
- Number of people participating in exercises: 728
- How many other community/regional exercises OEM helped support or attended: 27
- 2018 TIER II reports were compiled and distributed
- SNAP/STEAR registration process and administration continued
- OEM continued to represent at the 20 COG working groups
- Mayor Betsy Price was nominated as the Fort Worth representative to the EPPC committee
- Tornado Shelter Registration Site was implemented on the OEM website
- City of Fort Worth COOP plans were exercised for an active shooter scenario and plans updated
- JEOC Assessment was completed for the planned new EOC building

Special Events Coordination

- OEM plays a major role in City of Fort Worth Special Event planning. This includes scheduling and hosting coordination meetings, developing and hosting tabletop exercises with responders and event organizers, IAP/EAP development and distribution, integration of OEM staff in unified command, and JEOC activation for monitoring of these events.
- Number of special events held & attendance totals: 130 events/ ~3.4 million people
- Number of special events with JEOC coordination: 48
- Number of State of Texas Resource Requests submitted for Special Events: 2
- Coordinated and submitted the Fort Worth DHS Special Event Data Call for 2020: 7-SEAR 3 events; 20-SEAR 4; 36-SEAR 5 were determined from the 2020 submittals. These are tied to UASI grant allocations

Emergency Management	2016	2017	2018	2019	2020 Target
Increase participation in Special Needs Assistance Program to 6,000	4,957	5,206	5,632	5,747	6,000
Increase participation in NIXLE to 50,000	32,204	35,362	44,027	51,799	50,000
Conduct a minimum of 3 (discussion or ops based) EOC exercises annually	N/A	N/A	N/A	18	3
Offer a minimum of 2 EOC team specific training sessions for EOC staff annually	N/A	N/A	N/A	23	2

Hospital/Medical/Healthcare Coordination

OEM works closely with our hospital/medical/healthcare community. From coordination of information for large special events, emergency planning, integration into city exercises for mass casualties, and evaluation of their emergency plans and exercises. Additionally on September 16, 2016, the Centers for Medicaid and Medicare published a final rule on emergency preparedness for healthcare providers. The rule serves to establish national, consistent emergency preparedness requirements for 17 different providers participating in Medicare and Medicaid. The CMS Preparedness Rule dictates that all 17 provider types must develop and maintain a comprehensive emergency preparedness program that contains the following: an Emergency Plan, Emergency Preparedness Policies and Procedures, a Communications Plan, and an Emergency Preparedness Training and Testing Program. Specific provider types have additional requirements. This has increased the workload and coordination efforts for Fort Worth OEM as emergency plans have to be reviewed, facilities sometimes ask for walkthroughs, and exercises have to be developed.

- Number of Hospital Work Group meetings: 9.
- Number of Healthcare facilities emergency plans reviewed: 8 (2 are corporate so spans to multiple dialysis facilities).
- Number of Healthcare facility meetings and plan discussions: 10.
- Number of OEM hosted Virtual Tabletop exercises (for CMS requirements): 2 (6 facilities).
- Number of Hospital exercises and planning meetings attended: 8 exercises/4 planning meetings.
- Number of Mass Prophy Forms (registration): 283.
- Number of other coordination

meetings specific to hospital/medical/healthcare (HHC meetings, REPC meetings, BioWatch meetings, EPAB meetings, Mass Prophy meetings, TMOE Planning meetings): 58.

Operations Center

2019 brought a lot of planning and change to EOC Systems/Technology as new systems were implemented and others were replaced. The EOC Operations Center section oversees the siren system, CASA radar, EOC equipment and facility testing, situational and mapping systems, and EOC notification systems.

Major siren system accomplishments:

- Worked with SafetyCom to attain 99% up time for all sirens.
- Replaced (upgraded) solar panels on 94 sirens.
- Installed new siren in Skyline Ranch neighborhood on the south side by Benbrook.
- Worked with SafetyCom tech to respond to approximately 75 siren technical issues ranging from low batteries to bad logic boards to driver outages.

Major CASA radar accomplishments:

- 7 radars up and running .
- Over 50 paying member jurisdictions in 2019 (total of \$170,000 brought in for the project).
- Executive Council meetings held quarterly and Leadership conference calls to guide project held every other week.

Major EOC System/Technology accomplishments:

- Weather Activation Room implementation (new technology, screens, PCs).
- Implemented ASANA for the division for project management and status updates.
- Replaced visitor management software for visitor tracking and

alerting.

- Rebranding of OEM Social Media.
- Held multiple Backup EOC drills – tested ability to activate and of the technology at the backup EOC.
- Discontinued the Fort Worth WebEOC server and coordinated accounts to the Lone Star WebEOC server.
- Discontinued Nixle and helped implement Fort Worth Texas Alerts.
- Implemented EOC Dashboard (ESRI Dashboard) for JEOC Activations.
- Implemented public and private EOC Sit Rep (ESRI storymaps) for JEOC Activations.
- Number of people on the JEOC Event email list: 714 (Note: this gets distributed to CFW departments and to multiple community and regional partners and gets forwarded to additional list servs).
- Number of people in the EOC Everbridge notification system: 391.

Emergency/Disaster & Public Education

OEM stays actively engaged in the community through the use of social media and by distributing emergency preparedness information. OEM sets up tables and displays at events to provide emergency preparedness information and answer any questions on family emergency planning, business / community emergency planning, or register for emergency notification systems or services. September 2019 was the largest September National Preparedness Month to date, offering a variety of public education events throughout the community and a bus bench/bus campaign.

In 2019, OEM significantly increased our social media presence to include new Instagram and Nextdoor accounts.



OEM accounts have been given the coveted blue verified badge, rarely given to accounts in 2019, The blue verified badge on Twitter lets people know that an account of public interest is authentic. OEM was able to help other accounts in the region obtain the same status.

- Number of twitter followers: 7,548.
- Number of Instagram followers: 289 (went live May 2019).
- Numbers we have reached through Nextdoor: average 118,846 views a week.
- Number of “What is OEM Wednesday” posts in 2019: created in May 2019- 28 videos since that month.
- Number of public events held in 2019 (Jan 2019-Dec 2019) and approximately how much items distributed:
- Public events: 46 events.
- Approx how many items are distributed (this number was based on KW2D prize wheels (which was not covered at every event), approximate attendance at events, and overall number of public education events): approximately 4,235 items distributed.

Training

OEM conducts a variety of trainings for EOC staff and for city personnel working sheltering operations, damage assessment, or storm spotting activities in the field.

- Number of OEM hosted trainings: 28.
- Number of people trained: 724.
- Contributed to the Regional Multi-year Training and Exercise Plan.
- Developed OEM 2019-2021 Multi-

year Training and Exercise Plan.

OEM also administers NIMS Compliance for the City of Fort Worth. In 2019 OEM helped bridge the gap of getting certificates uploaded into the system and are working with IT to get a more streamlined program developed and in place. Homeland Security Presidential Directive #5 requires the adoption of NIMS (National Incident Management System) by all state, local, and tribal jurisdictions. NIMS Compliance is required in order for these entities to receive federal grants. NIMS Compliance numbers for the City of Fort Worth are as follows:

Fire Department:

- 79% Compliant.
- All sworn and civilian employees in the Department.

Police Department:

- 91% Compliant.
- All sworn and civilian employees in the Department.

Code Compliance Department:

- 97% Compliant.
- All employees in the Department.

Communications & Public Engagement:

- 44% Compliant.
- Select employees in the Department.

Transportation & Public Works Department:

- 43% Compliant.
- Select employees in the Department.

Park & Recreation Department:

- 94% Compliant.

- Select employees in the Department.

Aviation Department:

- 79% Compliant.
- Select employees in the Department.

2019 Grants

OEM has also had a busy 2019 with not only the administration of the grants themselves, but also in the continued justification of the sustainment of the funds, inventorying of the assets, closeout of previous years funding, coordination of a 2019 audit, and the development of the Threat and Hazard Identification and Risk Assessment (THIRA). Fort Worth led the effort to develop it for the entire region.

Amount of grant funds allocated to Fort Worth:

2019 UASI - \$3,381,183

2019 EMPG - \$175,913.98

Major 2019 Grants team accomplishments:

- Closed out 2016 UASI and didn't return any funding.
- Closed out legacy grants in PeopleSoft (2011, 2013, 2014).
- Passed State Audit with no findings.
- Streamlined the UASI grant scoring process for 2020 grants.
- Coordinated 10 conferences for 68 personnel.



OPERATION

Emergency Response	2016	2017	2018	2019	2020 Target
Fire call reaction time ≤ 80 seconds, 90% of the time	90.8%	89.2%	88.3%	91.9%	90%
EMS call reaction time ≤ 60 seconds, 90% of the time	75.0%	72.2%	70.2%	73.8%	90%
Fire and EMS drive time ≤ 4 minutes, 90% of the time	50.2%	50.0%	49.5%	48.3%	90%
Full alarm response time ≤ 8 minutes, 90% of the time	41.1%	50.7%	54.3%	51.3%	90%
Residential structure fires contained to room of origin 55% of the time	55.3%	52.7%	53.5%	57.2%	55%



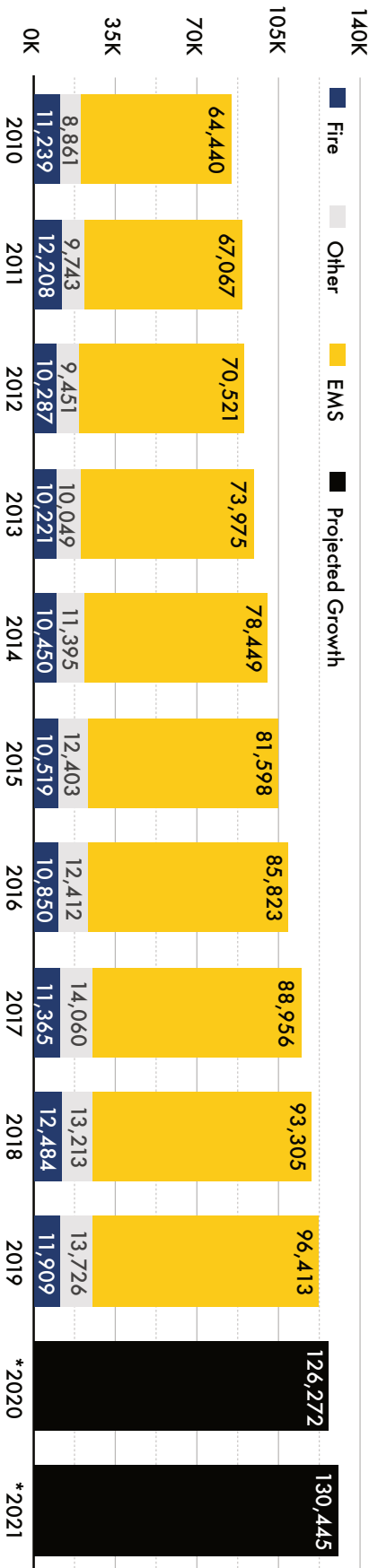
ATIONS

TO HELP PEOPLE

The Operations Division employs the majority of the Department's personnel, conducts daily emergency response activities, as well as non-emergency, and specialized responses. Each year firefighters respond to over 122,000 incidents from the city's 43 fire stations that are organized in seven battalions.

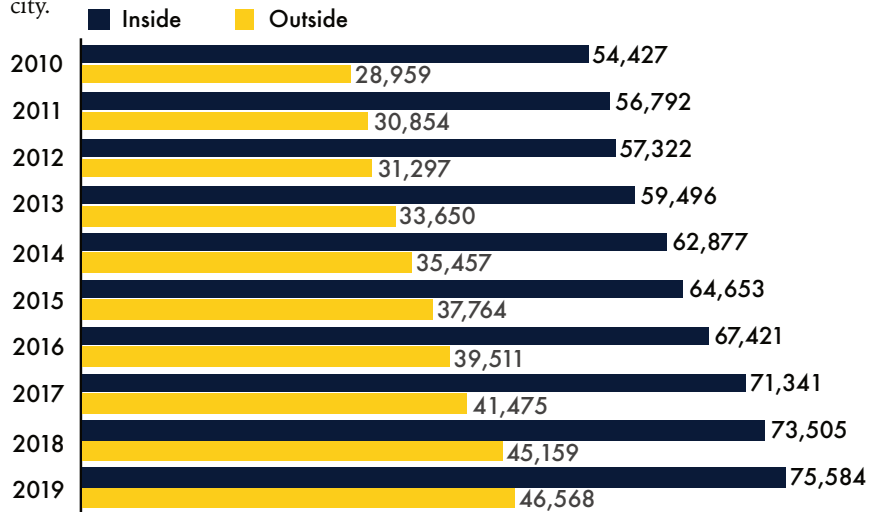
In addition to responding to calls for help and assistance, firefighters are also responsible for commercial inspections, training, hydrant inspections, public education, inspections and maintenance on trucks and fire stations.

Call Volume

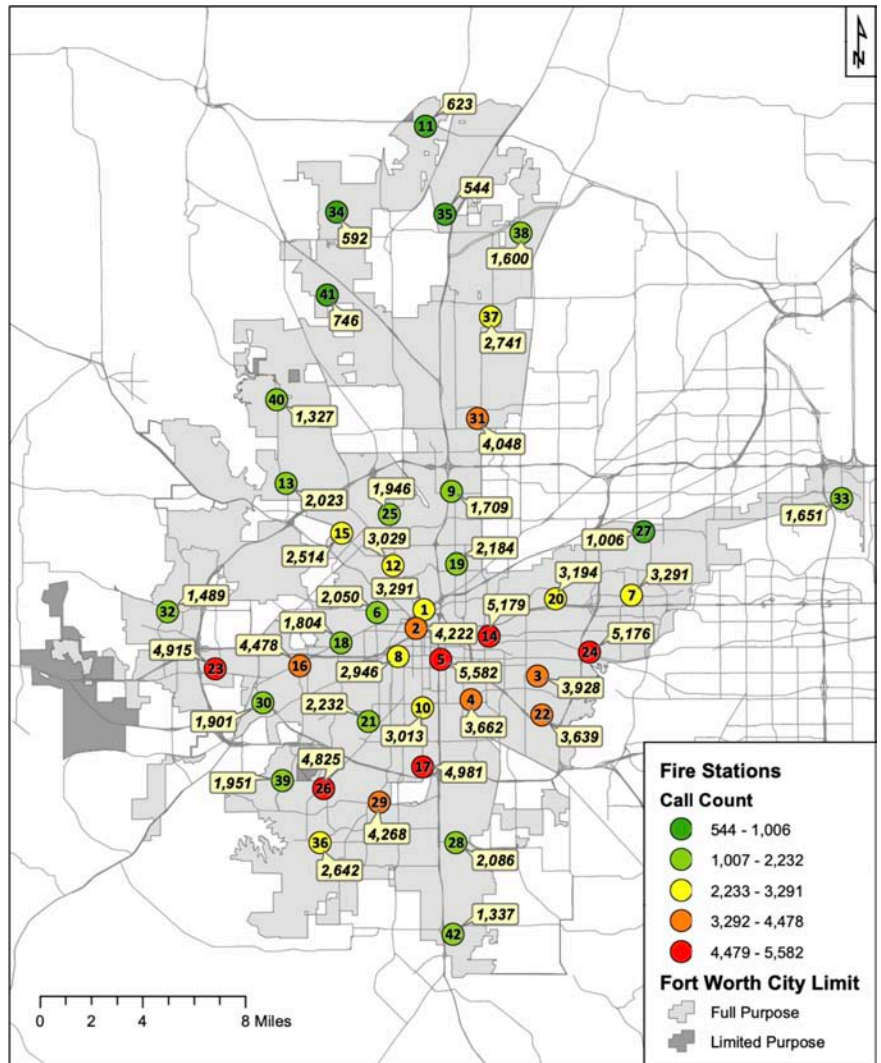


Inside/Outside the Loop

Call volumes inside Loop 820 have increased by 26% since 2010 while volumes outside Loop 820 have increased by 48% during this same timeframe. This increase in call volume is indicative of continued development and population growth across the city.

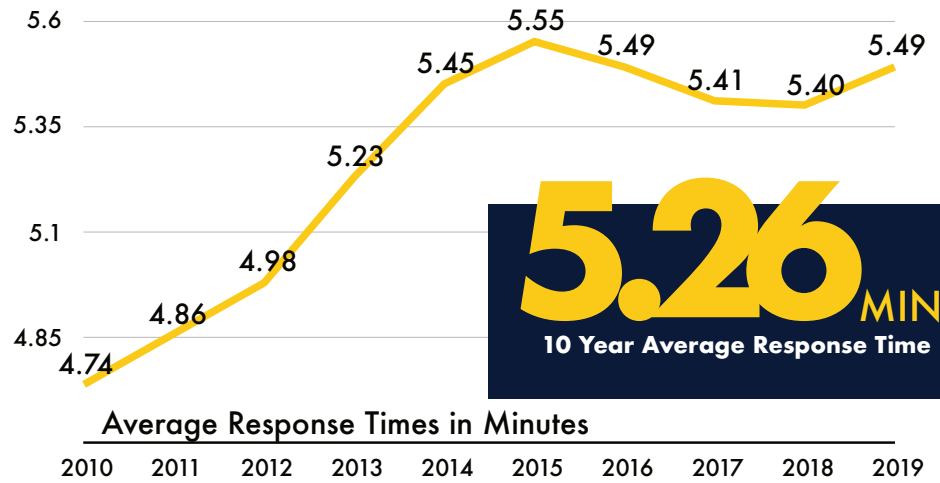


2019 Station Run Totals

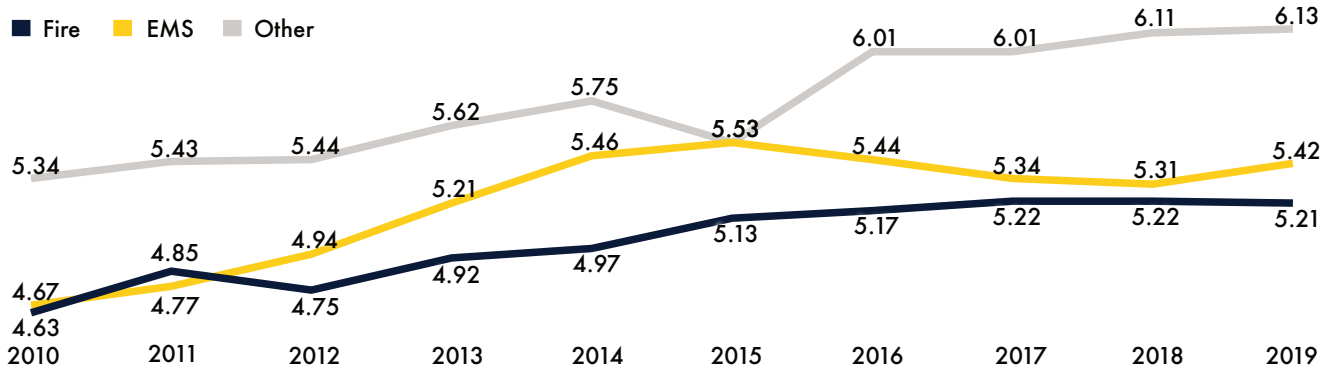


Response Times

The average response time for all calls citywide has increased 20% since 2010. This increase is a result of growing congestion related to construction and population growth as well as increasing travel distance due to urban sprawl.

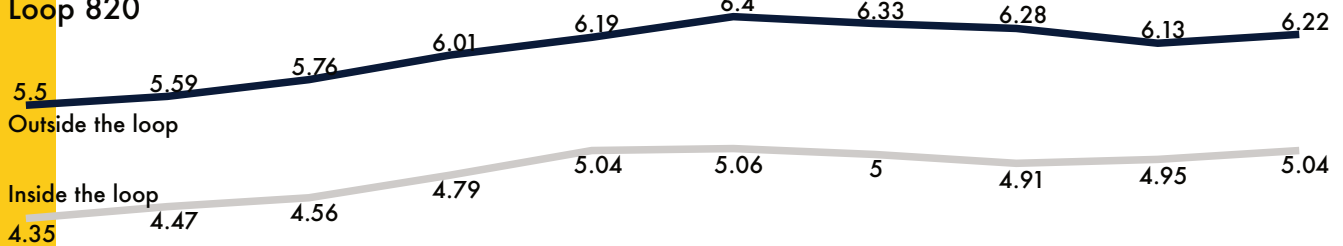


Average Response Times in Minutes by Call Type

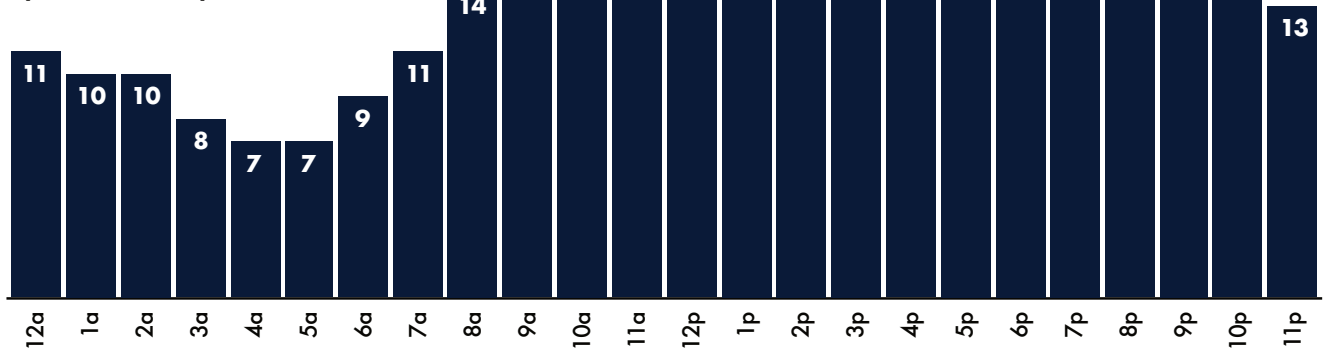


Average Response Time in Minutes: Inside vs. Outside Loop 820

Response times for all calls outside Loop 820 have increased 20% since 2010. Similarly, times for calls inside Loop 820 have increased 18% for this same period.



Average Daily Incident Count by Time of Day in 2019



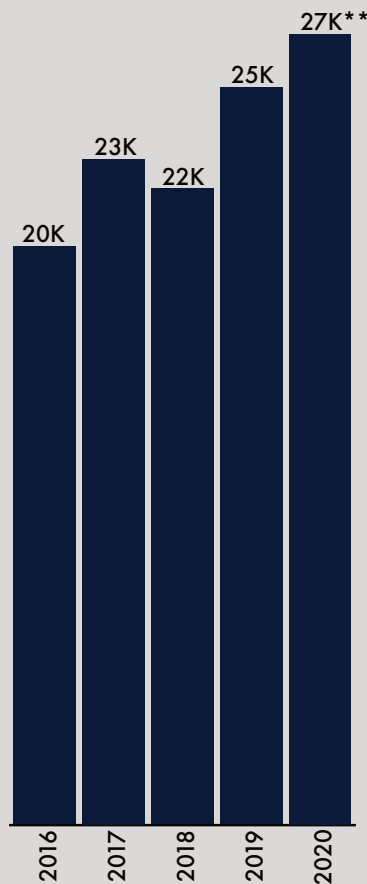
EMERGENCY MEDICAL SERVICES

Helping people is at the very core of why the FWFD exists. Delivering emergency medical care is the primary way the FWFD helps people. In 2019, EMS comprised 80% of all call categories.

CALL VOLUME

	2016	2017	2018	2019	**2020
Fort Worth Population	855,504	874,168	892,526	895,008	930,405
*Priority 1 EMS Calls	19,796	23,303	22,484	24,417	26,517
***Priority 2 & 3 EMS Calls	48,465	49,518	50,044	51,084	52,080
All EMS Calls	68,261	72,821	72,528	75,502	78,597
Priority 1 EMS Calls per 1000 Pop	57	57	56	56	56
Total EMS Calls per 1000 Pop	80	83	81	83	84

PRIORITY 1 CALL VOLUME



CARDIAC ARREST

Cardiac arrest is one of the most critical call types. Every second a person goes without proper oxygen perfusion to their brain, heart, and other vital organs, they edge closer to a point in which they cannot be saved.

In 2019, the FWFD we called to 1,582 cardiac arrests. Of those, 783 warranted cardio pulmonary resuscitation (CPR).

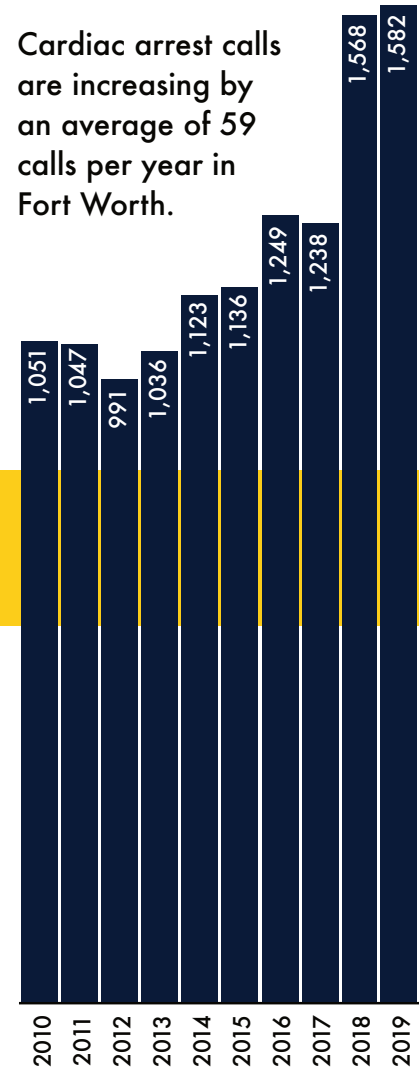
The FWFD, in partnership with MedStar, the Office of the Medical Director and area hospitals, have successfully delivered 123 cardiac arrest patients to the emergency room with 42 (34%) of those patients recovering and being discharged from hospital care.

Fort Worth Avg. Out of Hospital Cardiac Arrest Survival Rate

9.7%

11% NATIONAL AVG.

Cardiac arrest calls are increasing by an average of 59 calls per year in Fort Worth.

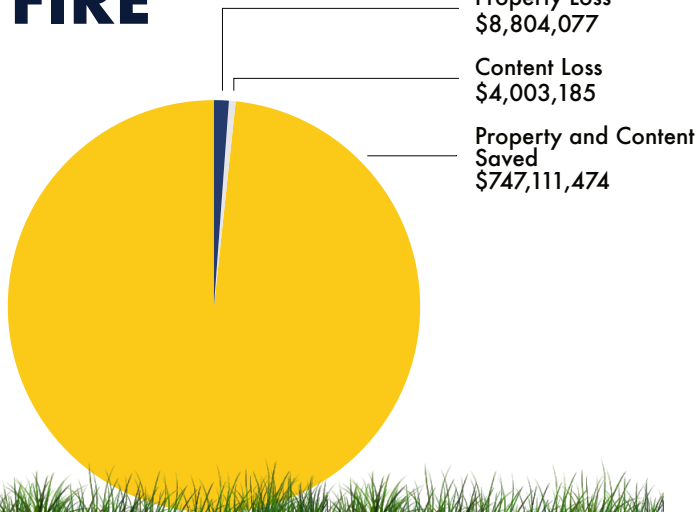


*Priority 1 calls are the highest call priority often requiring paramedic care

**Estimated projections based off historical growth

***Priority 2 & 3 calls are lower priority EMS call types often not requiring paramedic care

FIRE



Fire Stats

Property Loss	\$8,804,077
Content Loss	\$4,003,185
Property and Content Saved	\$747,111,474
Vegetation Fires	86 acres
1 and 2 Family Dwellings	\$7,841,338.00
Multifamily Dwellings	\$3,237,480.00

86 Vegetation Fires
ACRES

AIRCRAFT RESCUE & FIREFIGHTING

Currently, there are two stations that are 24-hour ARFF certified response stations, Station 35 at Alliance Airport and Station 44 at Meacham airport. Station 35 houses three ARFF vehicles which carry a total of 7,500 gallons of water, 1,000 gallons of foam, 1,000 pounds of auxiliary agent, and eight ARFF certified personnel in order to maintain an index rating of E. An index rating of E is the highest index and it applies to cases where aircraft longer than 200 feet will be operating. Station 44 houses two ARFF vehicles, which carry a total of 1,750 gallons of water, 400 gallons of foam, 650 pounds of auxiliary agent, staffed with two ARFF certified personnel and has a B index rating. An index rating of B applies to cases where aircraft between 90 and 125 feet operate. Both stations are tasked with responding to aircraft incidents on and off the airport they service. They also respond to any fire and EMS related incidents on airport grounds. The ARFF program currently has 45 active members.

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Notable ARFF Events In 2019 included:

- Live Fire Training held at DFW Airport with 45 members.
- Recruited and Trained 6 new ARFF members.
- Developed agreements with new airport tenants Amazon and ATAC (Airborne Tactical Advantage Company) and the city of Haslet where the warehouse area for these businesses are located.
- Specified and ordered a new \$1.2 million dollar ARFF vehicle.
- Developed a contract with Global ARFF for the service of Specialized ARFF vehicles for efficient maintenance.
- Assisted and participated in Fort Worth Airshow.

HAZARDOUS MATERIALS

The FWFD maintains a primary Hazardous Materials Response Team located downtown along with four satellite stations strategically located on the north, south, east, and west sides of the city.

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Fire Station 2 is the centrally located primary Haz-Mat Response Team. Station 2 houses Battalion 2, Engine 2, Truck 2, Squad 2, Support 2, the decontamination trailer and the shower trailer. Station 2 is staffed with 13 personnel per shift. The station also serves as front line fire suppression, EMS, and are trained as part of the Technical Rescue Team.

FWFD has 120 Hazardous Materials Technicians at the Station level at this time.

All Battalion Chiefs are trained to the Technician level.

The daily minimum staffing is 20 Hazardous Materials Technicians plus 4 Battalion Chiefs.



TECHNICAL RESCUE TEAM

FWFD maintains four stations that serve as the primary high angle, confined space, structural collapse and heavy rescue resources within the city. Currently, the FWFD TRT has 108 active members at the station level. Battalion Chiefs assigned to Battalion 2 are also trained to the TRT level. This brings a total team size to 111 members.

Minimum staffing per day is four TRT trained personnel at Stations 1, 14, and 38, but, there is no minimum staffing for TRT at Station 2. This brings the minimum TRT daily staffing to 12 trained persons per day for the entire city.

The FWFD maintains a close

working relationship with the Texas A&M Engineering Extension Service (TEEX), the Texas A&M Task Force 1 team (TX-TF1), the North Central Texas Council of Governments (NCTCOG) as well as the cities that have mutual aid and automatic aid contracts with like disciplines. The FWFD TRT teams have been involved with the Council of Governments efforts to simulate regional disaster drills that involve many other cities as well.

The FWFD team has many of the original founding members of Texas Task Force 1 and many more members currently on the Task Force Team. As a result, the TRT discipline has maintained this relationship with TxTF1 since its inception and regularly deploys with the team.

In 2019 some key steps were taken to move the TRT program forward. Off duty quarterly training was implemented allowing more hands on training to occur without disruptions. Skill sheets for all five disciplines have been developed with a focus of training to our core skillsets. All of the skill sheets, equipment related videos, training certifications, log sheets for training and relevant information has been migrated to the sharepoint system for reference. This has allowed all of the members of the team to have instant access to training materials and videos to assist them with station level training. Also a transition to adjust to future requirements and standards where a minimum assessment of skills and physical ability applicable to the 5 disciplines has been ongoing in 2019.

SWIFT-WATER & DIVE RESCUE

The FWFD maintains two stations that serve as Swift Water / Under Water Search and Rescue response stations in the city. Each station is staffed with 4 personnel with the ability to recall additional personnel to increase response capabilities for severe weather events or large scale incidents. The Swift-Water Attack Team concept was fully implemented in 2019, with the contingent ability of adding 1-4 additional SWUSAR companies on an overtime basis. Each Swift-Water Attack Team is comprised of 4 Swift-Water Technicians and are tasked with responding to high water rescues city wide.

Each of the two SWUSAR stations serve as front line fire suppression and EMS response companies as their primary responsibility. The SWUSAR teams are tasked with providing all technician level water related search, rescue, and recovery capabilities in the City of Fort Worth. These capabilities are divided into two disciplines, swift-water or surface rescue and underwater

or scuba diving rescue and recovery. The team also assists the FWPD with evidence search and recovery as requested.

The FWFD SWUSAR Team maintains a close working relationship with the State of Texas, Department of Homeland Security and Texas A&M Task Force 1, rostering 18 swift-water technicians from the SWUSAR team that respond on a state wide and regional basis at their request. The FWFD team has maintained this relationship with TxA&MTF1 since its inception and continues to deploy with the team on a regular basis. The Fort Worth Fire Department maintains 1 of 5 pre-deployed caches of Task Force Equipment in the state. The most recent large scale flooding event the SWUSAR Team responded to was in Beaumont, Texas. Tropical Storm Imelda stalled over Beaumont overwhelming the city and surrounding area with over 42" of rain in September 2019. Our team working as a Texas A&M Task Force 1 Water Strike Team, along with 5 other WSTs recorded over 1500 rescues. We also had 2 members maintain liaison duties with the Beaumont EOC over the duration of the event, coordinating and

dispatching Task Force resources.

The FWFD SWUSAR team also maintains a close relationship with the Fort Worth Drowning Prevention Coalition. FWFD Divers again took an active role in partnering with the Fort Worth Safe Communities Initiative. Team members partnered with Safe Kids Tarrant County / Cook Children's, Firefighters Charities, FWFD Fire Safety Education, Fort Worth Drowning Prevention Coalition, and Tarrant County YMCA. www.SwimSafeFW.org

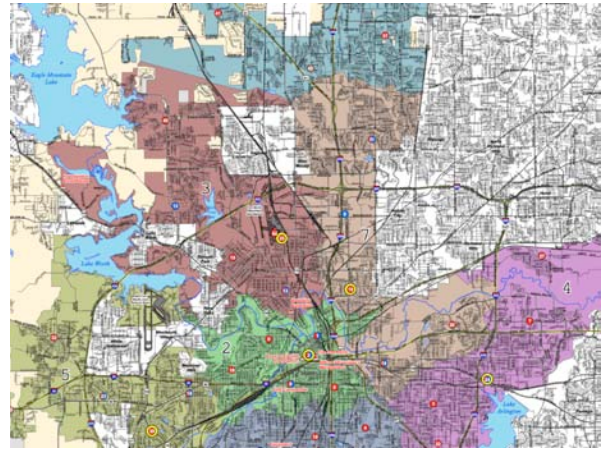
Accomplishments

- UASI Funding – \$183,000 used to purchase a new rescue truck to replace Dive 07.
- FWFD SWUSAR team re-qualified as a FEMA TYPE II response team.
- Seven of our technicians completed their Master Diver certifications on their way to becoming a regional Public Safety Diver Training Center.
- Conducted a 3 week dive class that started on May 13th and trained and graduated 11 new technicians.

SIGNIFICANT PROGRAMS & EVENTS

FWFD ADDS A 7TH BATTALION

After a great deal of planning and discussion among FWFD leadership and Operations personnel, the department added a seventh battalion on December 9th, 2019. This step was taken in an effort to improve the delivery of services not only to the citizens we serve, but also to the fire department itself. Battalion 7 is comprised of Fire Stations 9, 14, 19, 20, and 31 with the Battalion 7 Chief residing at Station 19. The battalion chief position was accommodated without adding positions to the department's authorized staffing by distributing the responsibilities of the Safety Chief to the seven battalion chiefs and reassigning the authorized Safety Chief positions to Battalion 7. These changes were made to improve internal operational efficiencies as well as response times.



FACILITY CONSTRUCTION PROJECTS

2014 Bond Program Facilities

Fire Station 43 design is underway. The new station is expected to open in 2021 and will serve the Lost Creek and Walsh Ranch areas.

2018 Bond Program Facilities

Design of Fire Station 26 to replace old Station 26 began in 2019. Construction completion is estimated to occur in 2021.

Fire Station 45 design is underway. The new station will be located near the intersection of U.S. 287 and Harmon Rd and is expected to open in 2021.

Future Facility Needs/Plans

JEOC (Joint Emergency Operations Center) and FD/PD Dispatch Facility

A study examining future options for the existing JEOC and FD/PD dispatch facilities was completed in 2019. Based on the recommendations, a Combined JEOC and FD/PD Dispatch Facility has been proposed for inclusion in the 2022

Bond Program; however, there is a possibility that only the JEOC replacement would proceed as part of the new City Hall project.

Bob Bolen Consolidation

Planning is underway to eventually relocate the following facilities/functions to the Fire Training Building at BBPSC and projects have been proposed for inclusion in the 2022 Bond Program.

- Supply warehouse/commissary
- PPE cleaning and repair
- Arson/Bomb Facility
- Climate Controlled Apparatus Parking

Arson Evidence Facility

A new 5,000 SF facility to house arson evidence and intake operations is being designed and will be constructed inside the Fire Training Building at BBPSC. Design is underway.

Chisholm Trail Fire Station (Fire Station 46)

Property was acquired in October 2018 for a future station to be built near the new Tarleton State University Fort Worth campus and Chisholm Trail Parkway. Construction has been

proposed as part of the 2022 Bond Program.

Fire Station Refurbishment

10 fire stations have been identified for major remodel/refurbishment to extend their useful life rather than more costly replacement. A proposal has been submitted for possible inclusion in the 2022 Bond Program.

- Fire station 37 located at 4701 Ray White Road was built as a temporary facility in 1998 using modular construction. A permanent facility needs to be constructed and has been proposed for inclusion in the 2022 Bond Program.
- Fire station 16, built in 1965, currently has multiple issues. It is undersized for both staff and apparatus and cannot adequately accommodate a double company or female fire fighters. This has also been proposed for inclusion in the 2022 Bond Program.

Projects completed in 2019 include:

The incident command & emergency management simulation lab at the Bob Bolen Public Safety Complex was funded largely with UASI grant funds.

COMMUNITY PARTNERSHIPS

The Fire Department benefits in numerous ways from our vibrant and generous Fort Worth community. A few notable partnerships from 2019 deserve a mention here.

R.L. Paschal High School



Early in 2019, the department was approached by an exceptional student from R.L. Paschal High School. Jack Boller contacted the department looking for a project to hone his analytical skills and benefit the department in a meaningful way. After discussions with staff from Administration and Operations, Jack began a project analyzing and modeling the deployment of attack apparatus throughout the city. The project utilized 10 years of incident data in a geographic information system (GIS) software to perform spatial and statistical analyses of historical incidents and atmospheric conditions such as temperature, precipitation, and wind speed to inform Operations command staff of areas where the deployment of attack apparatus would be most beneficial in addressing increased call volume and response time. Jack's project culminated in the presentation of a web-based tool to Shift Commanders and Battalion Chiefs on all three shifts. Jack Boller will graduate from R.L. Paschal High School in 2020 with numerous honors, including being named a National Merit Scholarship Semifinalist. The Fort Worth Fire Department is honored that Jack chose to apply his talents to benefit not only the department, but the Fort Worth community.

Goodwill Summer Earn and Learn Program

In the summer of 2019, multiple City of Fort Worth departments participated in the Goodwill Summer Earn and Learn Program. As part of this program, individuals with developmental disabilities were paired with job coaches from Texas Workforce Solutions and internship opportunities in city departments. The Fire Department was fortunate to receive two interns through this program. Regina Harris worked in several areas of the Administration Division assisting with clerical tasks such as filing and scanning inspection reports. Dominick Smith joined the team at Fire Supply to assist with many of their warehousing and gear repair and embroidery duties. Both interns provided valuable assistance to the Fire Department and learned practical job skills.



Texas Christian University

The Fire Department has a longstanding relationship with Texas Christian University (TCU), providing fire protection and emergency services to the campus and at large campus sponsored events. However, the department was able to celebrate this relationship in a unique way in 2019 when a new apparatus was placed into service at Fire Station 21. Station 21 serves the TCU campus and surrounding area. Quint 21 was delivered by Pierce Manufacturing in 2019 with striping and decals in TCU purple instead of our customary blue and also sports some custom Fire Frog decals. To celebrate the addition of this apparatus, leadership from the university, their public safety department, and the TCU cheerleaders all participated with station personnel and command staff at the pushing in ceremony for Quint 21.



Dickies Arena

The opening of the much anticipated 14,000 seat multipurpose Dickies Arena on the grounds of the Will Rogers Memorial Center occurred October 26, 2019, with the first official event on November 8, 2019. From the ground breaking in 2015 the Fort Worth Fire Department has worked with contractors in plan reviews, permitting, and inspections all the way through working with Trail Drive Management Corporation in the provision of Fire Marshal and EMS services for the opening as well as the countless events Dickies Arena will host in the future. This landmark facility serves as the home of the annual Fort Worth Stock Show Rodeo and is already taking its place among the most desirable venues in the nation for entertainment events. The Fire Department is proud to partner with arena staff to ensure the safety of all arena visitors and staff.



HOPE-1

In 2019, the Fort Worth Fire Department joined the Fort Worth Police Department's HOPE team to better assist in providing medical care to the homeless populations along and near the East Lancaster Corridor. The volume of emergency medical services calls in East Lancaster has reached a level that has affected support and readiness functions at nearby stations, including Fire Stations 2, 5, 14, etc. These stations have considerable training related to specialty rescue responsibilities, and analysis revealed that peak demand in this area coinciding with these other activities would reduce workload during the time of training and support functions. Implementation of the Fort Worth Fire Department's participation in the HOPE team helped to reduce the road mile costs of responses as compared to the use of regular fire apparatus. It also has helped to better tailor the needs of the homeless population in terms of public safety as well as social services.



