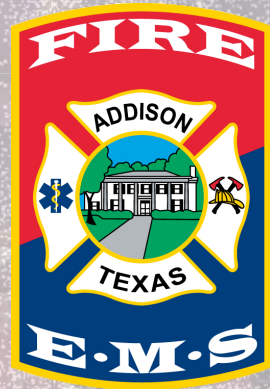


# ADDISON

## FIRE DEPARTMENT ANNUAL REPORT



*Two Thousand Eighteen*

# ADDISON

**CITY LEADERSHIP  
#1**

**ORGANIZATIONAL  
CHART  
#2**

**BUDGET AT A GLANCE  
#3**

**BUDGET DOLLARS AT  
WORK  
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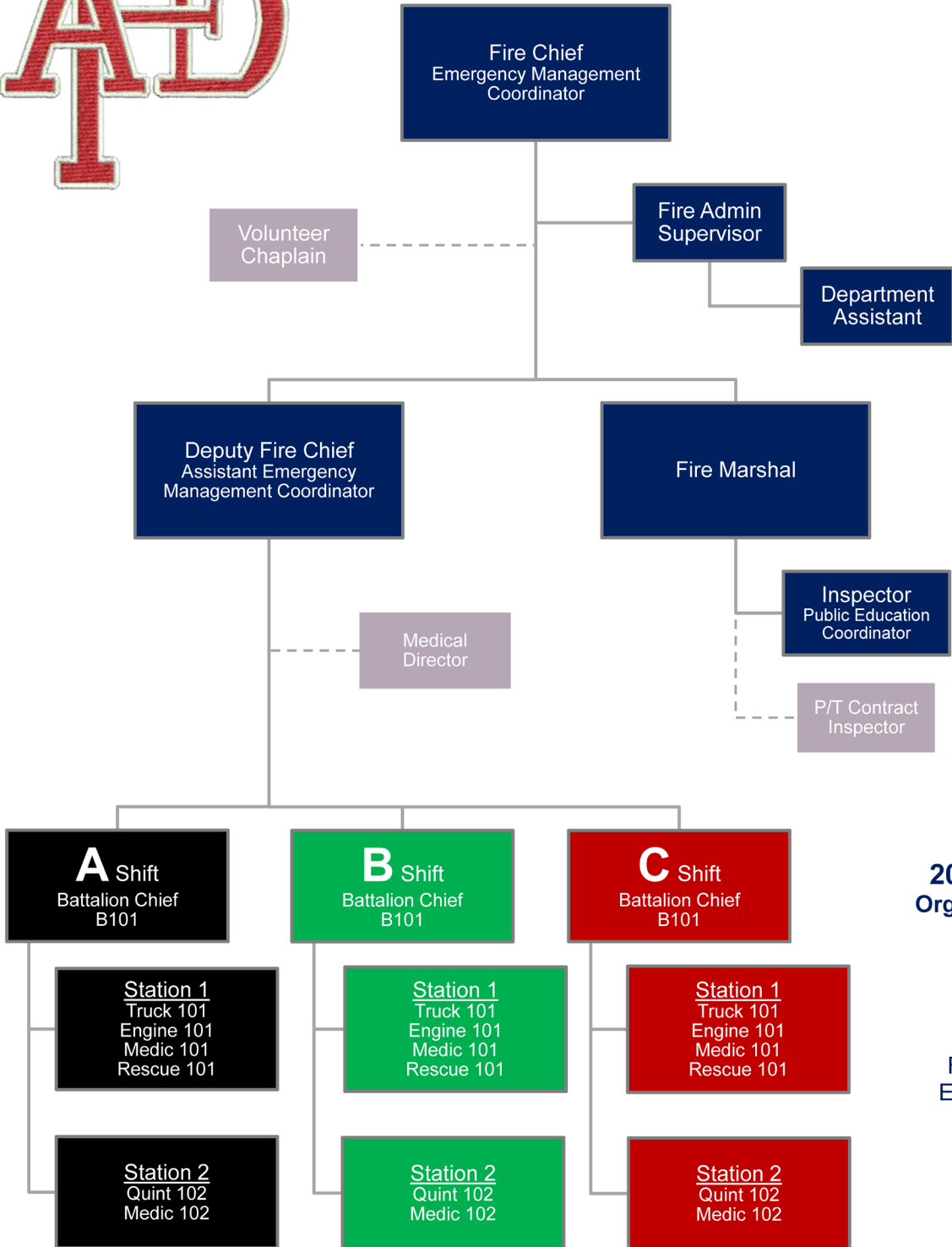
# CITY LEADERSHIP



**City Manager Wes Pierson, Council Member Guillermo Quintanilla, Council Member Ivan Hughes, Deputy Mayor Pro Tempore Tom Braun, Mayor Joe Chow, Mayor Pro Tempore Paul Walden, Council Member Lori Ward, and Council Member Marlin Willesen**



# ADDISON FIRE DEPARTMENT



**2018-2019  
Organizational  
Chart**

**57**

Full-Time  
Employees

+

**1**

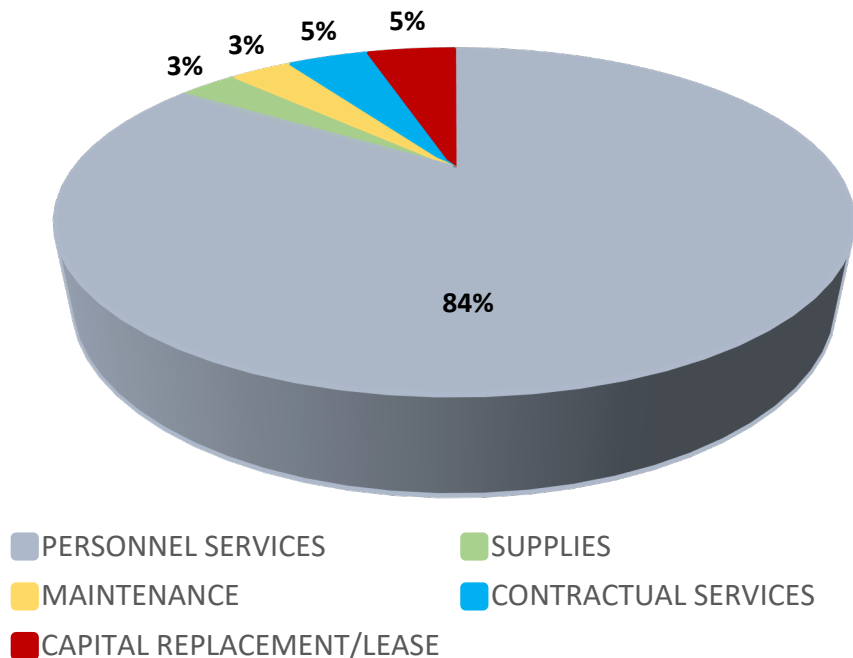
Overfill

# Our Budget at a Glance

It is the department's mission to protect the persons and property in Addison by providing quality and innovative emergency services. We strive to achieve our mission, all while being responsible stewards of public resources. Albeit, our budget is significant, the vast majority is reserved for personnel services. The operational portion of the budget is moderate and has grown slightly by 4.9% over the last few fiscal years.

EXPENDITURE CATEGORY	16-17 ACTUAL	17 -18 BUDGET	17-18 ESTIMATED	18-19 BUDGET
PERSONNEL SERVICES	\$ 5,979,643	\$ 6,108,475	\$ 6,356,959	\$ 6,606,571
SUPPLIES	\$ 254,337	\$ 270,319	\$ 243,319	\$ 252,595
MAINTENANCE	\$ 277,019	\$ 297,489	\$ 250,989	\$ 258,145
CONTRACTUAL SERVICES	\$ 295,478	\$ 316,144	\$ 334,987	\$ 357,223
CAPITAL REPLACEMENT/LEASE	\$ 364,534	\$ 362,820	\$ 362,820	\$ 376,545
CAPITAL OUTLAY	\$ 5,391	-	-	-
<b>TOTAL DEPARTMENT BUDGET</b>	<b>\$7,176,402</b>	<b>\$7,355,247</b>	<b>\$7,549,074</b>	<b>\$7,851,079</b>

2017 - 2018 ESTIMATED



# Our Budget Dollars at Work



Addison paid its final installment for the Quad Cities' Joint Fire Training Center, as part of the joint ownership agreement. The final installment of \$174,746 will be used to construct capital improvements, such as an outdoor classroom and storage room. The shared operation and maintenance of the training center is continuous.

For FY2018 Council approved the purchase of a \$579,000 replacement apparatus. Our department worked closely with General Services to develop specifications, purchase, and make-ready a new Sutphen Pumper. The new pumper will replace Engine 101 and be placed into service in January 2019.

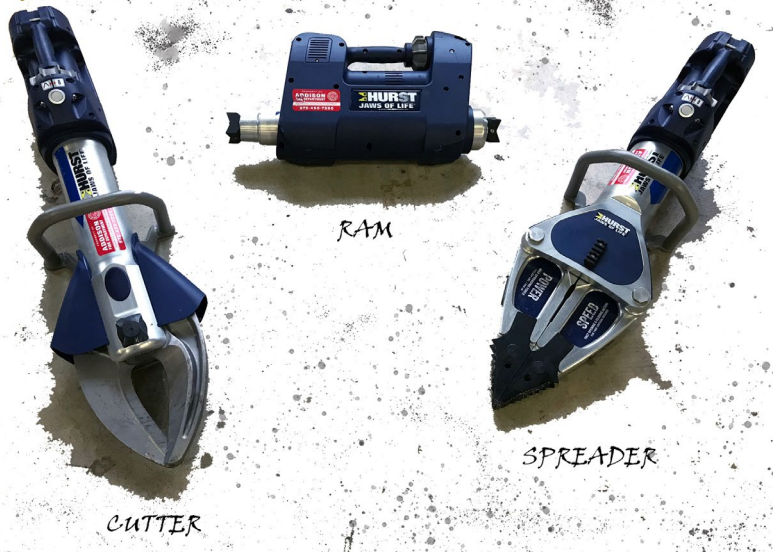


# Our Budget Dollars at Work

Another update to our fleet included the purchase of a Skeeter Squad vehicle which was approved. The \$228,000 apparatus will replace the current Utility 101, which is a 1999 Freightliner. The expected completion date for the Skeeter is February 2019.



Truck 101 was outfitted with new Hurst eDraulic heavy rescue tools, all of which are stronger, smaller, lighter, and safer to deploy. The \$28,600 purchase included a spreader, a cutter, and a ram and replaced the first generation tools we had in service. These battery powered tools can be used for vehicle extrication, elevator rescues, and other heavy equipment or machinery involving rescue.



# Grant Purchases

The AFD seeks to maintain industry best practices, while providing a high level of service to the community. With this comes the drive to continually seek ways to improve. We recognized an opportunity to enhance our EMS services and requested funds in our FY2018 budget to purchase two Stryker Cot Loading Systems, one Lucas Chest Compression System, and three McGrath Video Laryngoscopes. Unfortunately, the funding was not approved.

Determined to procure these highly innovative and efficient pieces of medical equipment, we requested the funds through a local grant. The Metrocrest Hospital Authority granted our department \$81,293.90 in March 2018.



The Stryker Power Cot Loading Systems were installed on our front line ambulances. The loading system is designed to reduce risk of injury to patients and paramedics by supporting the cot until the wheels are on the ground. It supports the weight of the patient and provides a reduction in spinal load, preventing cumulative trauma injuries. In addition, it complies with new state and federal standards.

The Lucas Chest Compression System is instrumental in the survival rate for patients requiring CPR. With uninterrupted chest compressions, the use of the device provides continuity of effective care for patients and allows for paramedics to focus on other critical life saving tasks, such as ventilation, medication administration, and defibrillation. This system was placed on our reserve ambulance, to mirror our front line ambulances.



The McGrath MAC EMS Video Laryngoscope is an intubation device designed to improve visualization and airway management and reinforce paramedics' direct laryngoscopy skills. It allows a better view when mouth opening or neck mobility is limited and provides a higher success rate for intubation.



# Fire Administration

Responsible for the overall operation of the fire department by providing leadership, vision, and resources.



**Fire Chief**  
David Jones



**Deputy Fire Chief**  
Michael Thomson



**Fire Admin  
Supervisor**  
Monica Hernandez



**Department  
Assistant**  
Ann Davis



**Volunteer  
Chaplain**  
Erik Ouimette

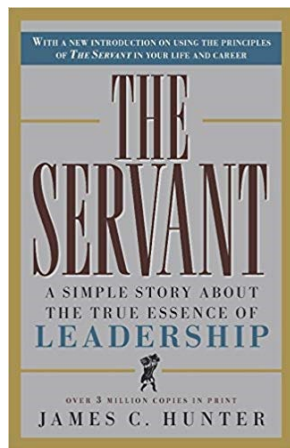
Earlier this year we were approached by Addison resident Erik Ouimette, who works full time as a Chaplain for Interstate Batteries. Erik felt led to offer his chaplain services to our department voluntarily. He is a fan of the fire service and understands the challenges that are faced cumulatively over a career as a public servant. His timing could not have been more appropriate as we had recently implemented the Critical Incident Stress Management policy. We welcomed Erik with open arms and have been fortunate to have him lead in prayer at our special ceremonies and other events.



For the first time in department history, we have achieved a **CLASS 1 ISO** rating! On August 1, 2018 representatives from the Insurance Services Office (ISO) and the Texas State Fire Marshal's Office presented our department with the distinguished designation! This achievement was a result of the combined efforts of our Fire, Water, and GIS Departments and Emergency Communications, and with the support of City Administration, Mayor, and Council. We are in the less than 1% category of fire departments who have this designation! We are excited to know that our community reaps the benefits as residents and business owners may be eligible for lower insurance premiums!

# Fire Administration

The department recognized an opportunity to save funds while remaining an organization of continual improvement. The Texas Fire Chiefs Association (TFCA) developed a Best Practices Program which provides recognition to fire departments who are able to demonstrate a level of excellence in twelve areas of concentration. The Addison Fire Department researched the program and found it more closely aligns with our need than the Center for Public Safety Excellence (CPSE). This led us to redirect CPSE Accreditation efforts towards the TFCA Recognition. We applied to the program in February and submitted our proofs of compliance just eight months later! The review team is scheduled to conduct an on-site visit in February 2019. We hope to achieve this notable recognition!



*The Servant* by James C. Hunter is a “simple story about the true essence of leadership.”

To support the servant leader mentality, Chief Jones endeavored to share and implement the principles found in this book in order to cultivate a stronger department. He began meeting individually with each member to gain a better understanding of their career path. He supplied each member with their own copy of this book and encouraged them to read it, with the hopes of instilling a servant leader mindset in each of them. This is an on-going project and each member will be addressed.

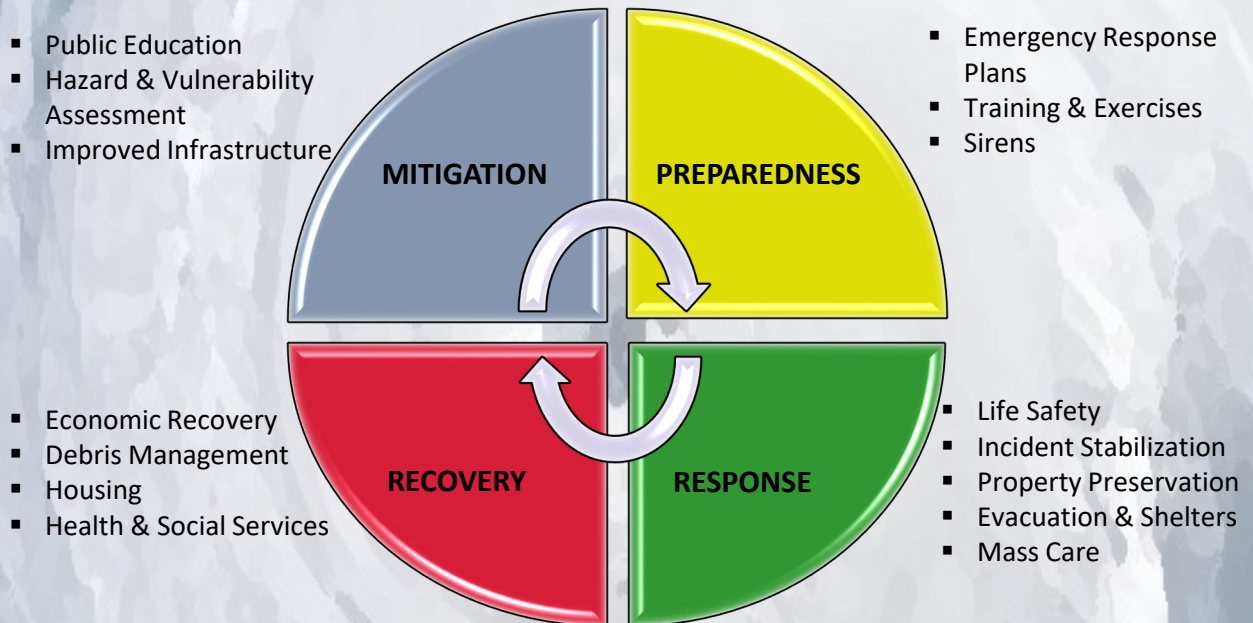
Administration collaborated with Finance and a third party consultant to enroll in the Texas Ambulance Supplemental Payment Program (TASPP). TASPP offers EMS providers the opportunity to recoup funds in order to supplement transport costs for Medicaid and uninsured patients. The third party consultant, Change Healthcare works with the state on our behalf to recover the unpaid revenues.



# Emergency Management

Emergency management is the organization and management of resources and responsibilities for dealing with all humanitarian aspects of emergencies. The aim is to reduce the harmful effects of all hazards, including disasters.

Emergencies are often described in terms of a life cycle. The four life cycle phases to Emergency Management include Mitigation, Preparedness, Response, and Recovery. The chart below describes each phase and exhibits how they are interrelated.



One way we implement *Preparedness* is by maintaining our Outdoor Warning Sirens. Addison has six sirens installed throughout the city and they are designed to alert citizens who are outdoors of approaching or existing hazardous conditions, which require immediate protective actions. The sirens are tested on the first Wednesday of every month at 1:00pm, with the exception of threatening weather in the area.

In addition to maintaining our sirens, we attended training and informative sessions such as CASA (Collaborative Adaptive Sensing of the Atmosphere) Radar; BioWatch, Debris Management, and other working Groups.

In August we were evaluated on site by the National Weather Service for a renewal of the “Storm Ready” community credential. Fire Equipment Operator, Jon Crist assisted with the site visit which included a tour of NTECC. As a result of the evaluation, the AFD was formally recognized as a renewed Storm Ready Community.

This year we were fortunate in that we did not have to deploy resources for response, recovery, or mitigation.



# Fire Prevention

The Fire Prevention Division, under the direction of the Fire Marshal, is responsible for *Code Enforcement, Engineering Review, Fire Cause Determination, and Public Education*. The Prevention team works closely with contractors, building owners and managers, and other professionals to ensure compliance with fire codes and standards. With just two full time, permanent employees, they work diligently to conduct inspections, investigations, plan review, and increase fire safety awareness and knowledge.

In October, we welcomed Fred Calhoun, a part-time contract employee to provide Fire Prevention with much needed work load relief. Fred has over 40 years of fire related experience with an extensive background in fire prevention. Fred's main focus is plan review and working toward the adoption of the 2018 International Fire Code.



**Fire Marshal**  
Michel Mitchell



**Inspector/Investigator**  
Sheri Baldwin



**P/T Contractor**  
Fred Calhoun

In support of our mission to protect the lives and property in Addison, we spend a great amount of time on community outreach. In 2018, the Fire Prevention Division collaborated with Operations to provide public education to over **7800 adults** and **2200 children**. A total of **458 staff hours** were spent on fire safety presentations, station tours, fire drills, severe weather drills, fire extinguisher training, fire warden training, and community events, such as our Fall Festival, and Citizen's Academy.

In October we continued our highly favored Smoke Detector Battery Replacement Program where our crews visited single-family homes to install new batteries in smoke detectors. Our department collectively **installed 1348 batteries** and **visited 288 homes**. In addition, **128 home safety surveys** were conducted. Although, this is a popular program, participation was down 20.4% compared to the previous year.

# Fire Prevention Overview

Construction Projects require much attention as they have to be continually monitored for fire code compliance throughout the construction phase. These projects include plan review and inspection and testing of life safety systems.

Some of the large projects started or completed this year include the following:



Vitruvian Park West  
3801 Vitruvian Way  
Five-Story Apartment Complex  
300+ Apartment Homes



Cawley Office Building  
14555 Dallas Parkway  
Six-Story Office Building



Cawley Hub Building  
14551 Dallas Parkway  
Three-Story Amenity Center



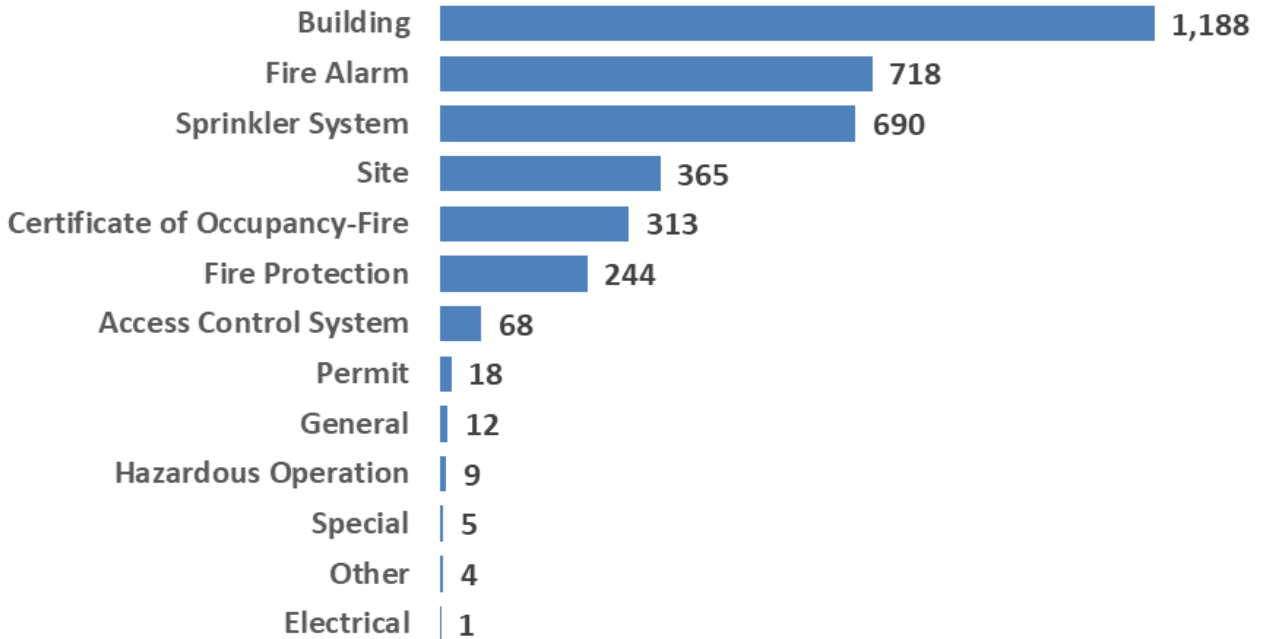
Elan Addison Grove  
4150 Belt Line Road  
Three-Story Townhomes  
with parking Garage  
161 Units



Westgrove Air Plaza II Hangar  
4700 Westgrove Drive  
Two-Story Airplane Hangar  
with Offices

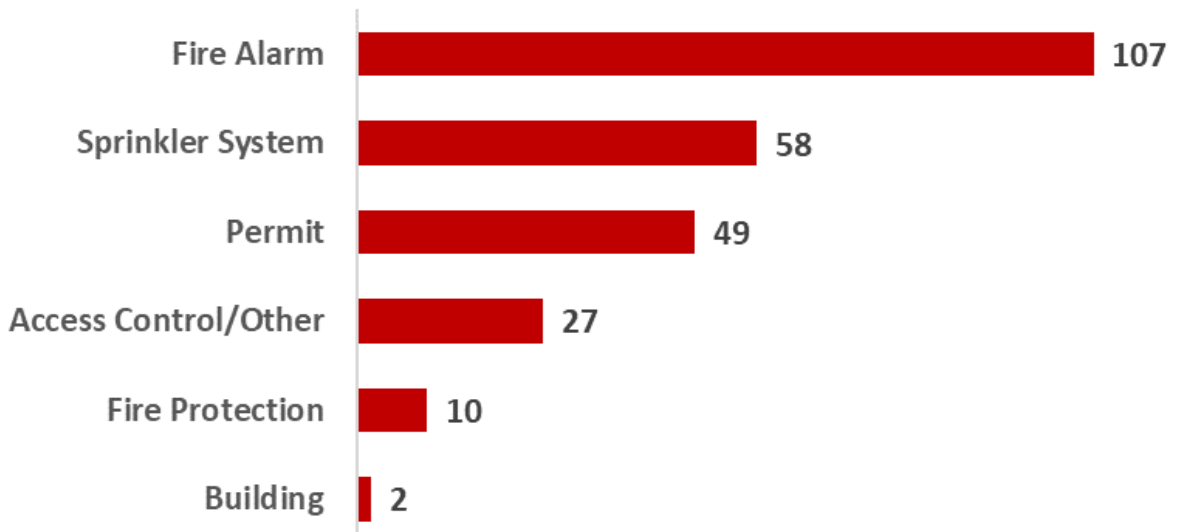
# Fire Prevention Overview

## 2018 INSPECTIONS



Inspection Violations Corrected: 511  
Inspection Violations Discovered: 1517

## 2018 PLAN REVIEW



# Fire Prevention Overview



Fire Station Tour for Chinese Exchange Students



Fire Station Tour and First Aid Training for Cub Scouts



Fire Extinguisher Training for Addison Employees



Fire Station and Apparatus Tour for Greenhill Students



Fire Safety Presentation at Kinder Care Learning Center



# Fire Prevention Overview



Fire Station Tour & Safety Presentation for Girl Scouts



Fire Station Tour for Trinity Christian Academy



Public Education at Benefits Fair



Participants at Citizen's Academy





# Fire Operations

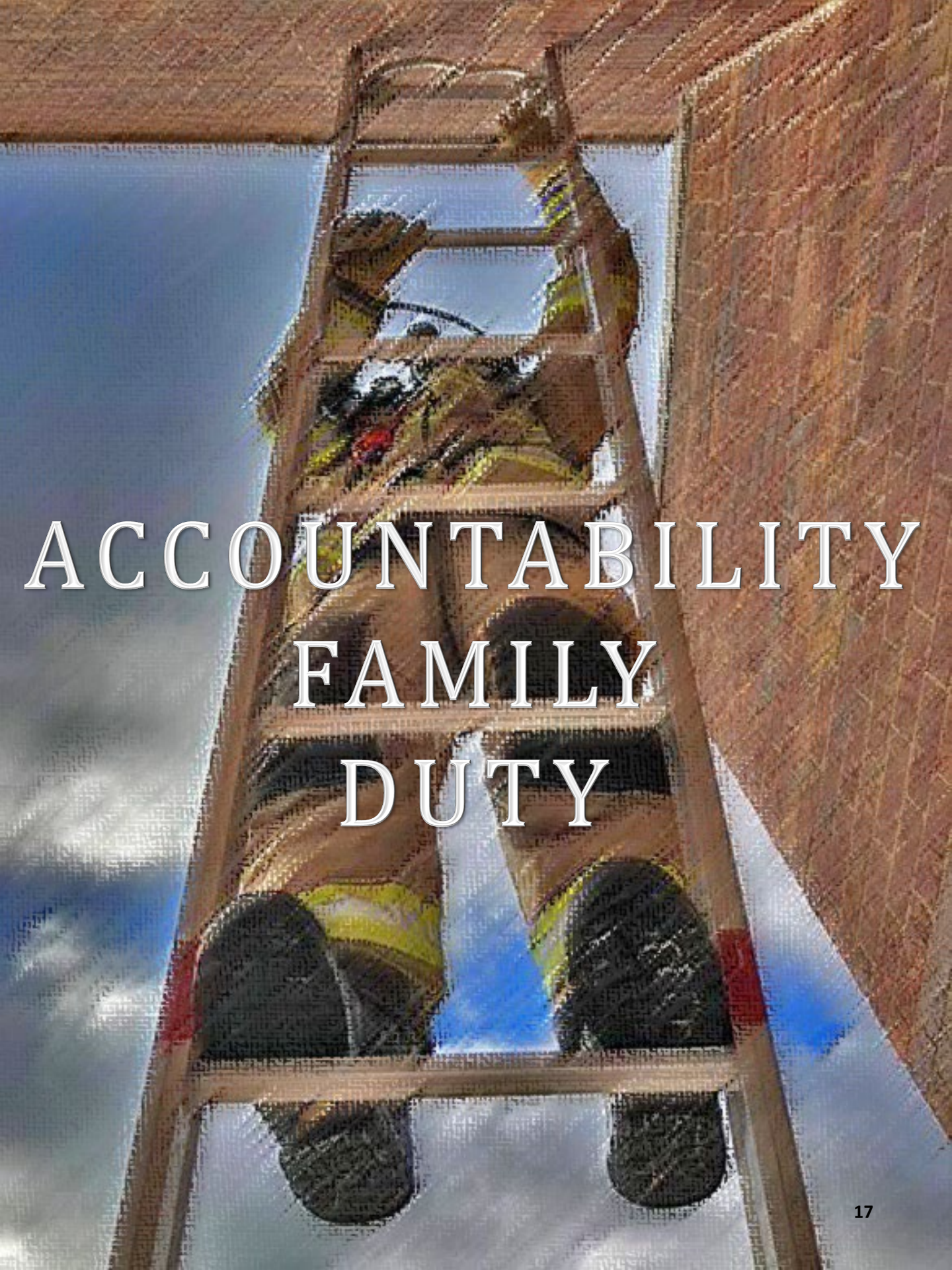


The Fire Operations Division is made up of three shifts—A, B, and C. Each shift works 24 hours on and 48 hours off, starting at 7:00am. Each shift is managed by a Battalion Chief who oversees a crew of one captain, two lieutenants, three driver operators, and ten firefighters, for a total of 17 personnel (14 is the minimum daily staffing requirement). All personnel are cross trained as paramedics.

This division serves the community by providing fire and emergency medical services (EMS), aircraft crash fire and rescue (ARFF), and basic technical rescue services. During calendar year 2018, crews responded to **3293 calls**, which is an **increase of 5%** from the previous year and an increase of 17.6% over the last four years.

The division operates one Engine, one Quint, one Truck, two ambulances, one ARFF Rescue, one Utility, and a command vehicle from two strategically placed fire stations.

Member	Rank	Years of Service
Reagan Randall	FEO / Paramedic	37
Larry Sparks	FEO / Paramedic	35
Jeff Cockrill	Firefighter / Paramedic	24
Jared Schreher	Lieutenant / Paramedic	21
John Lage	Captain / Paramedic	19
Rick Johnson	Lieutenant / Paramedic	19
Chad Gruver	FEO / Paramedic	19
John Tisdale	Lieutenant / Paramedic	18
Rod Williams	Captain / Paramedic	18
Scott Wigley	Captain / Paramedic	18
Scott Ledet	Battalion Chief / Paramedic	18
Keith Davis	Lieutenant / Paramedic	17
Jeff Patterson	Battalion Chief / Paramedic	17
Shawn Ainsworth	Firefighter / Paramedic	16
Tim Tomlinson	FEO / Paramedic	16
Jonathan Crist	FEO / Paramedic	15
John Peskuski	FEO / Paramedic	14
Darin Jones	Lieutenant / Paramedic	14
JJ Kaiser	FEO / Paramedic	13
Josh Bethel	FEO / Paramedic	13
Jason Burke	Firefighter / Paramedic	13
Dustin Davis	FEO / Paramedic	12
Darryl Johnson	Firefighter / Paramedic	12
Zach Crase	Lieutenant / Paramedic	12
Petr Lukas	Firefighter / Paramedic	11
Matt Ferguson	Firefighter / Paramedic	10
Nick Keen	Firefighter / Paramedic	10
Troy Ayres	Firefighter / Paramedic	10
JohnDavid Hernandez	Firefighter / Paramedic	7
Bryan Murley	Firefighter / Paramedic	6
Adam Montgomery	Firefighter / Paramedic	6
Jake Metdker	Firefighter / Paramedic	6
Kameron Russey	Firefighter / Paramedic	6
Juston Love	Firefighter / Paramedic	5
Deborah Schwartz	Firefighter/Paramedic	4
Tommy Williams	Firefighter / Paramedic	4
Curt Sanders	Firefighter / Paramedic	4
Kevin West	Firefighter/Paramedic	4
Bradley Nelson	Firefighter/Paramedic	4
Larry Swartz	Battalion Chief / Paramedic	3
Zach Avants	Firefighter/Paramedic	3
Jake Anderson	Firefighter/Paramedic	3
Allison Johnston	Firefighter/Paramedic	2
Austin Simmons	Firefighter/Paramedic	2
Steven Martinez	Firefighter/Paramedic	2
Nelson Cruz	Firefighter/Paramedic	2
Cody Clemons	Paramedic/Paramedic	2
Jeremy Hill	Firefighter/Paramedic	1
Chris Maxwell	Firefighter/Paramedic	1
Roy Luevano	Firefighter/Paramedic	<1
Paul Stofer	Firefighter/Paramedic	<1



ACCOUNTABILITY  
FAMILY  
DUTY



**Fire Station 1**



**From Left to Right:  
Truck 101, Engine 101, Utility 101,  
Rescue 101, Medic 101, Battalion 101**



**Fire Station 2**



**Quint 102**



**Medic 102**

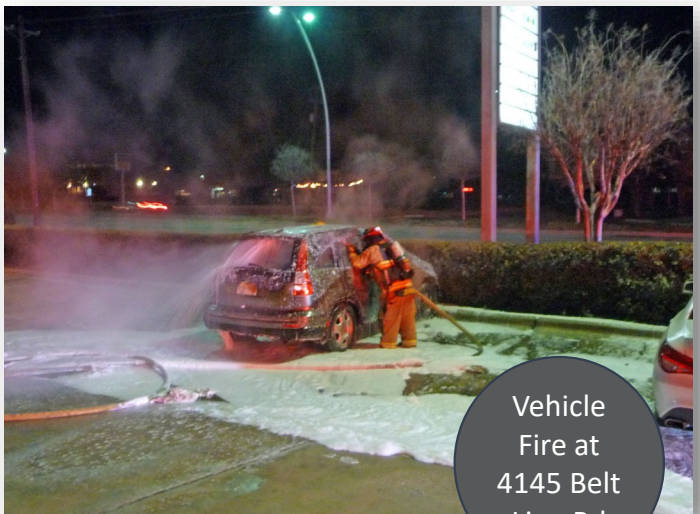
# Major Incidents



Alert III  
(February)



Vehicle vs  
Light Pole at  
Midway &  
Spring  
Valley



Vehicle  
Fire at  
4145 Belt  
Line Rd



Alert III  
(March)



Structure  
Fire at  
Super 8  
Motel



# Major Incidents



Vehicle vs  
Tree at 5050  
Quorum Dr



Structure  
Fire at  
Bent Tree  
Brook Apts



Vehicle Roll  
Over at  
Airport Pkwy  
& Quorum Dr



Alert III  
(August)



Trash Truck  
Fire at  
Airport Pkwy  
& Spectrum  
Dr



Alert III  
(September)

# Training



Ground Ladder Training provided by The Colony Battalion Chief, Garrett Rice



Vehicle Extrication Training



Multi-Jurisdictional Mass Casualty Incident Training at the Airport



Max Fire Box Training



Forcible Entry Training





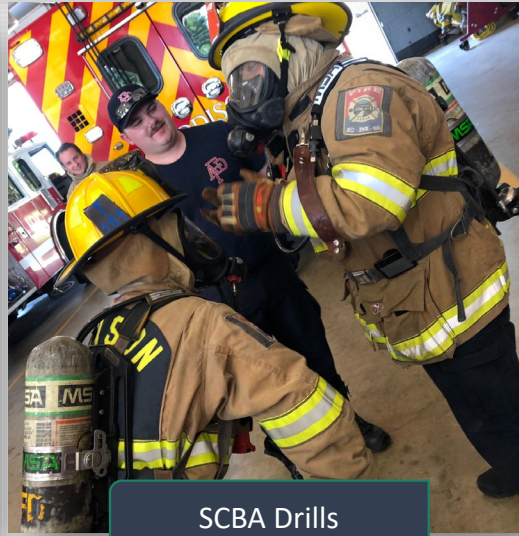
# Training



Pumping Training



Ventilation Training



SCBA Drills



Saw Training



Ladder Training



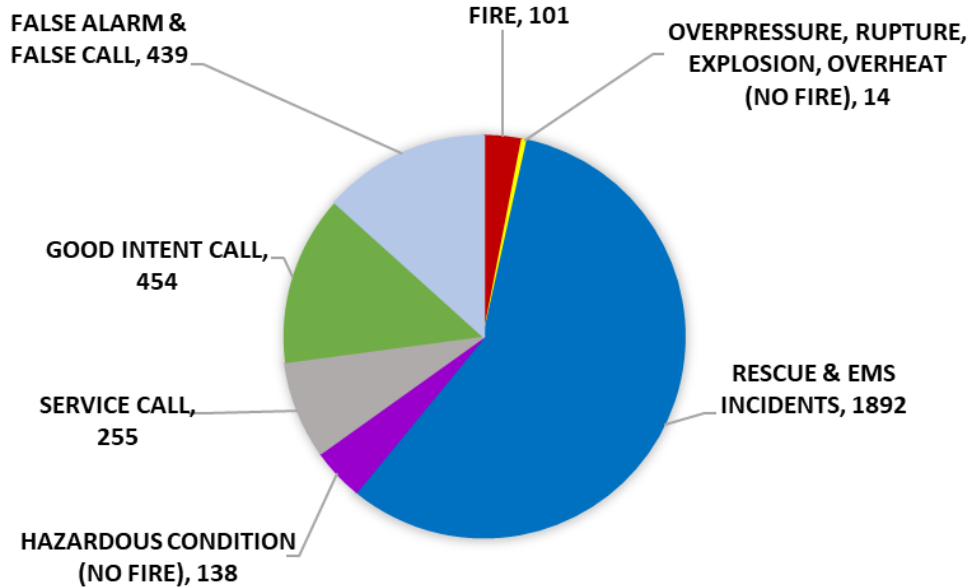
Bail Out Training

# Training at the Quad Cities Training Tower



# Operations Data Analytics

## TYPE & NUMBER OF INCIDENTS IN 2018



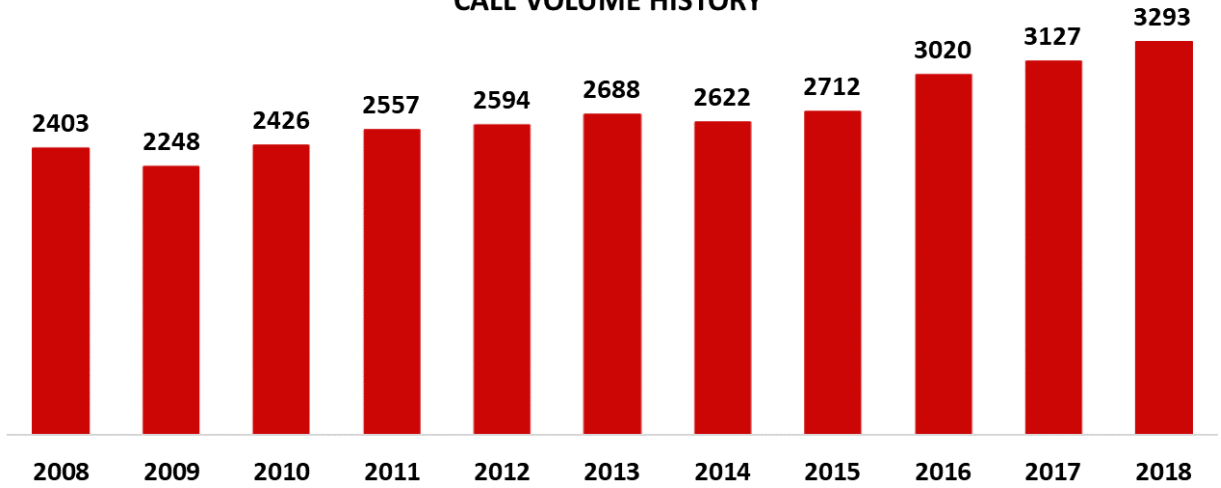
Addison Calls: 2754

Auto/Mutual Aid Given: 539

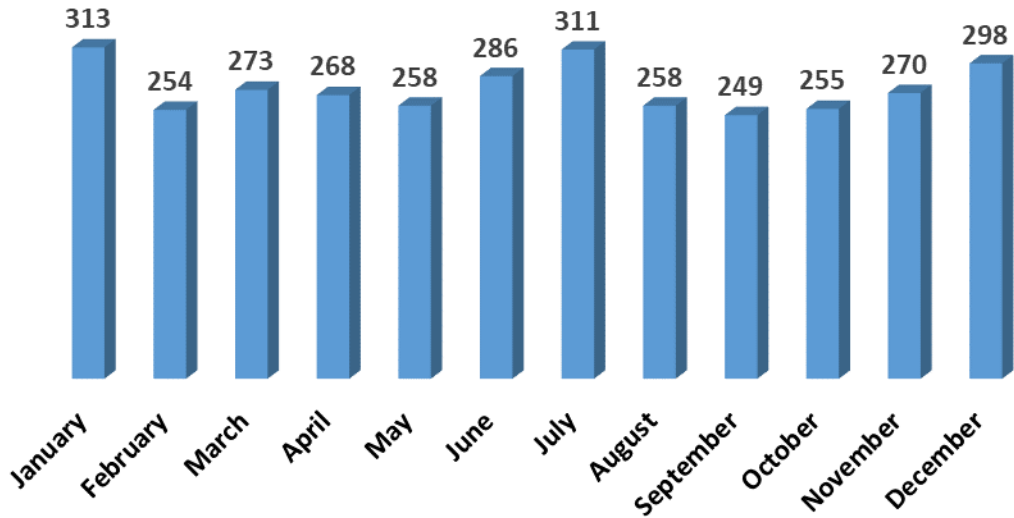
Total Calls: 3293

INCIDENT TYPE	2015		2016		2017		2018	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
FIRE	56	2.06%	72	2.38%	121	3.87%	101	3.07%
OVERPRESSURE, RUPTURE, EXPLOSION, OVERHEAT (NO FIRE)	11	0.41%	7	0.23%	10	0.32%	14	0.43%
RESCUE & EMS INCIDENTS	1793	66.11%	1889	62.55%	1923	61.50%	1892	57.46%
HAZARDOUS CONDITION (NO FIRE)	131	4.83%	123	4.07%	113	3.61%	138	4.19%
SERVICE CALL	177	6.53%	197	6.52%	155	4.96%	255	7.74%
GOOD INTENT CALL	189	6.97%	346	11.46%	444	14.20%	454	13.79%
FALSE ALARM & FALSE CALL	353	13.02%	386	12.78%	358	11.45%	439	13.33%
SPECIAL INCIDENT TYPE	0	0.00%	0	0.00%	0	0.00%	0	0.00%
SEVERE WEATHER & NATURAL DISASTER	2	0.07%	0	0.00%	3	0.10%	0	0.00%
<b>TOTAL</b>	<b>2712</b>		<b>3020</b>		<b>3127</b>		<b>3293</b>	

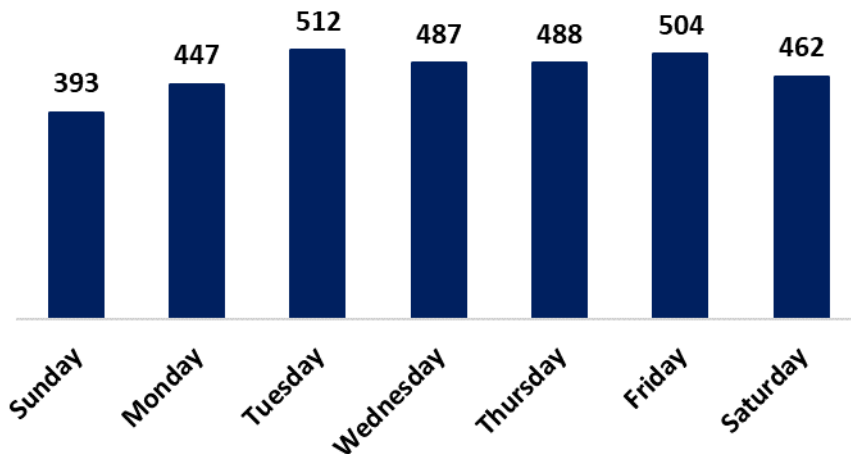
### CALL VOLUME HISTORY



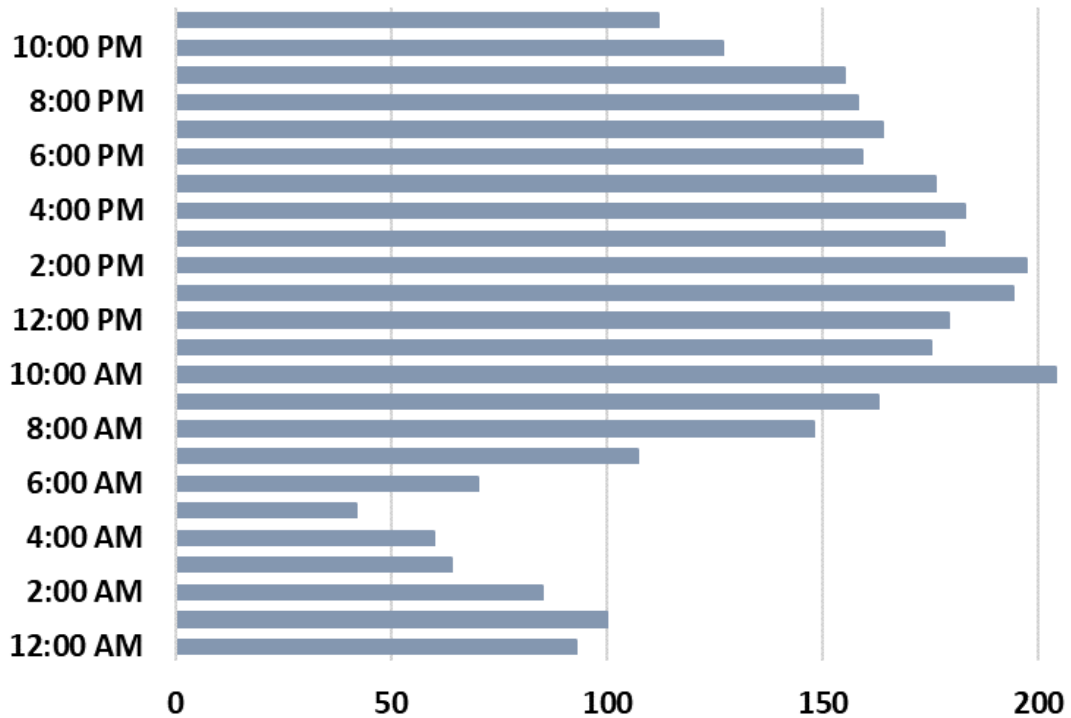
### NUMBER OF CALLS BY MONTH



### NUMBER OF CALLS BY DAY OF THE WEEK



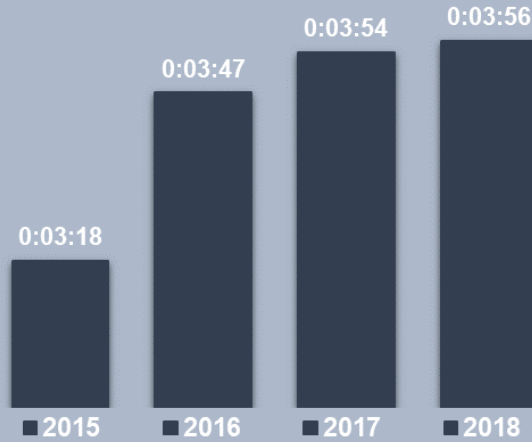
## NUMBER OF CALLS BY HOUR OF THE DAY



The chart below shows the number of times a specific apparatus is dispatched to an incident.

<b>NUMBER OF CALLS BY APPARATUS SINCE 2015</b>				
APPARATUS	2015	2016	2017	2018
<b>B101</b>	749	892	832	942
<b>E101</b>	1477	1489	1411	1477
<b>E102</b>	1038	0	0	0
<b>M101</b>	1031	1065	1047	1024
<b>M102</b>	940	1100	1129	1078
<b>M103</b>	5	1	1	2
<b>Q102</b>	184	1367	1466	1525
<b>R101</b>	43	46	24	40
<b>T101</b>	673	784	818	906
<b>TOTAL</b>	<b>6140</b>	<b>6744</b>	<b>6728</b>	<b>6994</b>

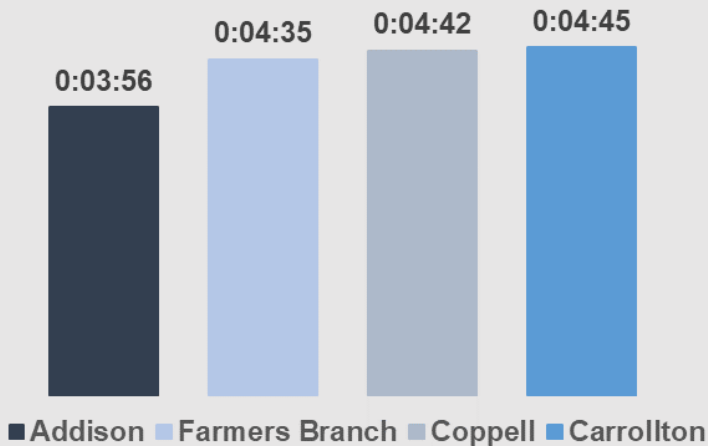
### ADDISON'S DISPATCH TO ON-SCENE AVERAGE RESPONSE TIMES



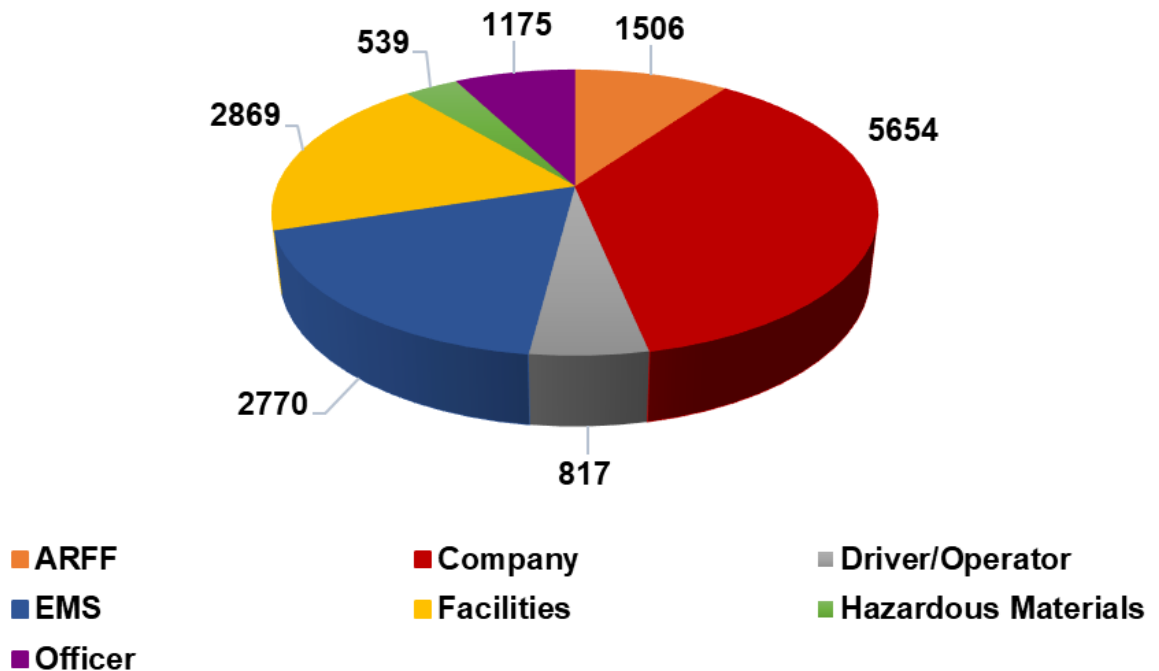
### QUAD CITIES AVERAGE CALL VOLUME PER STATION

CITY	# OF CALLS IN 2018	# OF STATIONS	AVG. CALLS PER STATION
Addison	3293	2	1647
Carrollton	12528	8	1566
Coppell	3327	3	1109
Farmers Branch	4699	3	1566

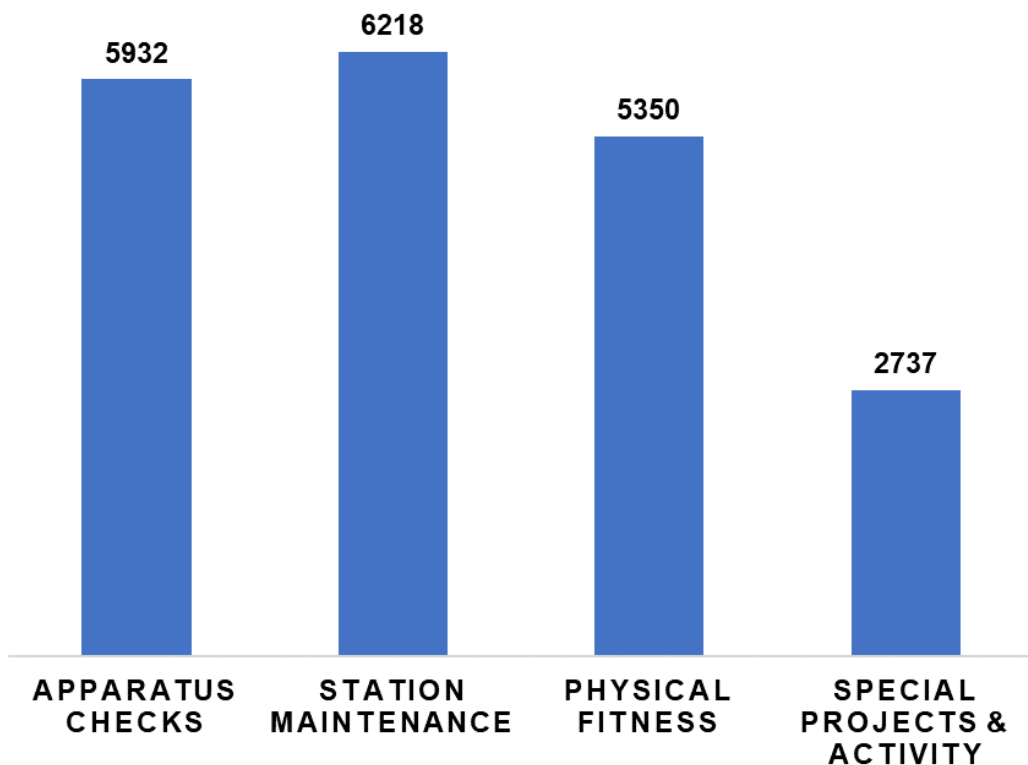
### QUAD CITIES DISPATCH TO ON-SCENE AVERAGE RESPONSE TIMES



## 15,329 STAFF HOURS SPENT ON MAJOR TRAINING



## 20,237 STAFF HOURS SPENT ON OTHER DEPARTMENT ACTIVITY

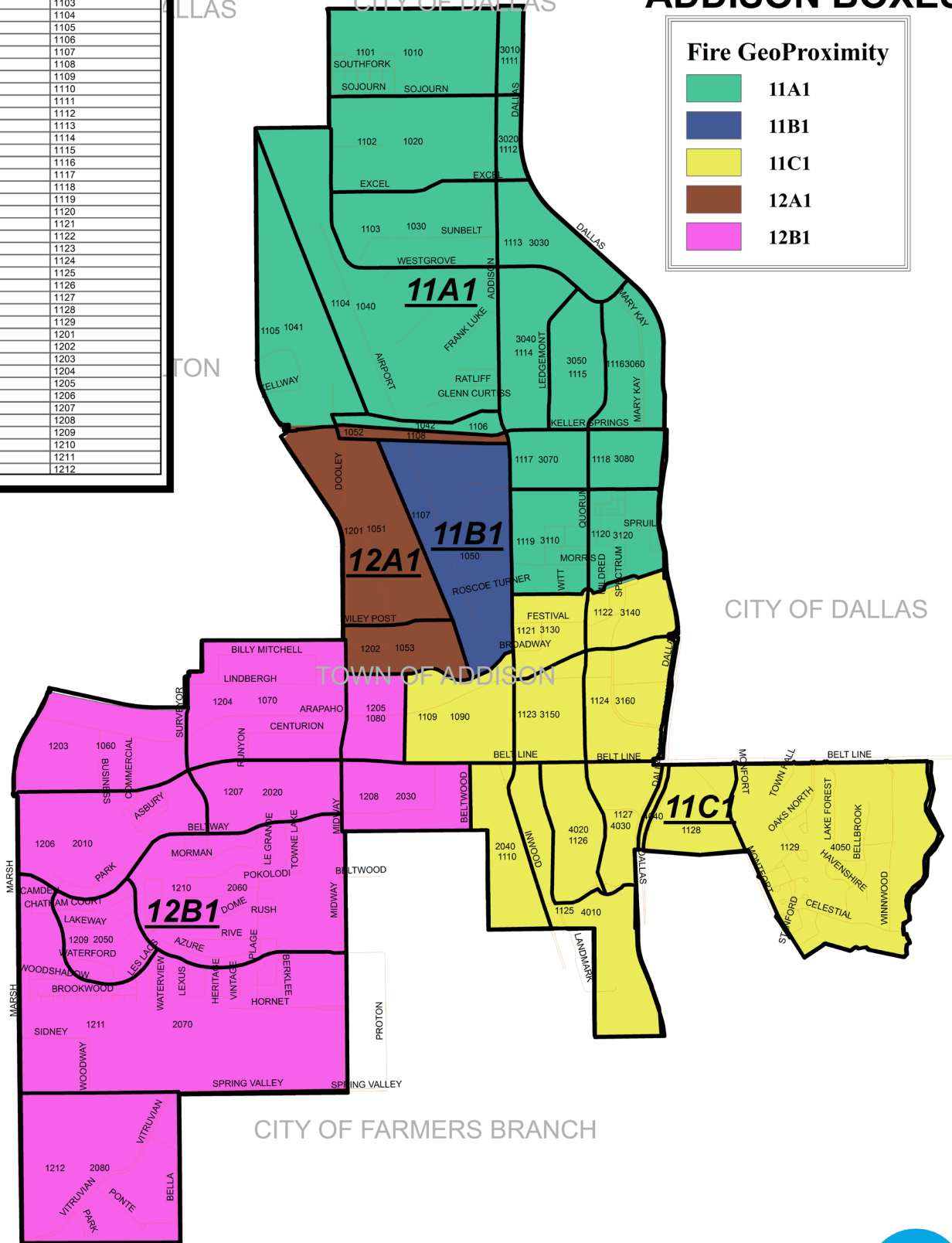


ADDISON NAME	NTECC NAME
1010	1101
1020	1102
1030	1103
1040	1104
1041	1105
1042	1106
1050	1107
1052	1108
1090	1109
2040	1110
3010	1111
3020	1112
3030	1113
3040	1114
3050	1115
3060	1116
3070	1117
3080	1118
3110	1119
3120	1120
3130	1121
3140	1122
3150	1123
3160	1124
4010	1125
4020	1126
4030	1127
4040	1128
4050	1129
1051	1201
1053	1202
1060	1203
1070	1204
1080	1205
2010	1206
2020	1207
2030	1208
2050	1209
2060	1210
2070	1211
2080	1212

# ADDISON BOXES

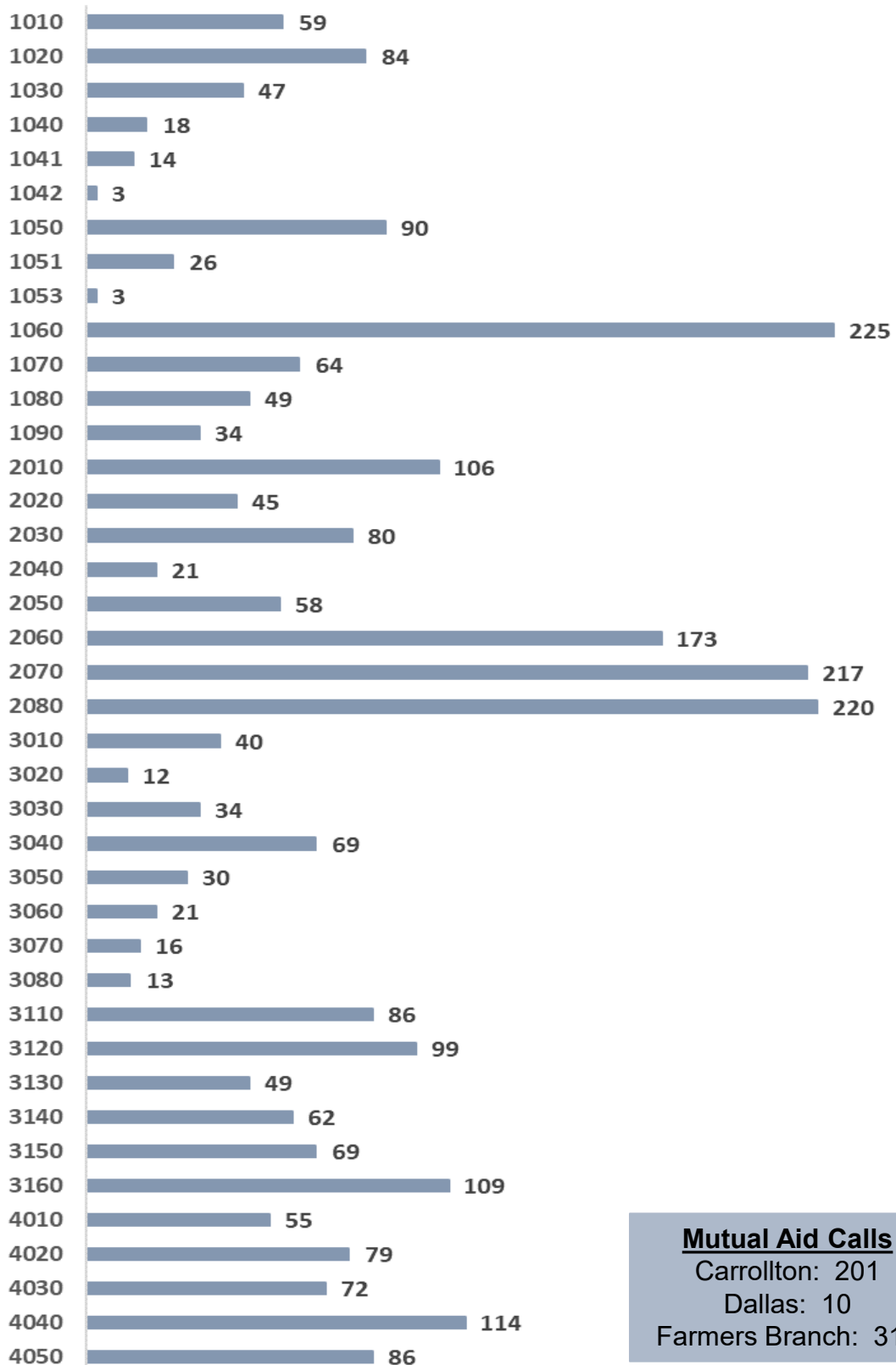
## Fire GeoProximity

- 11A1
- 11B1
- 11C1
- 12A1
- 12B1





The Box Map to the left and corresponding graph below represent the number of calls made to a specific zone (box) in Addison. Mutual Aid calls to Carrollton, Dallas, and Farmers Branch are not represented.



**Mutual Aid Calls**  
 Carrollton: 201  
 Dallas: 10  
 Farmers Branch: 313

# Swear-Ins, Recognitions, & Awards



Captain Clyde Sanders retired on January 3<sup>rd</sup>, after serving Addison for 34 years.



Jake Anderson, Cody Clemons, Jake Metdker, FEO Larry Sparks, & Lt. Keith Davis received a Unit Citation for a cardiac incident that occurred on January 10<sup>th</sup>.



A formal promotional ceremony was held on January 15<sup>th</sup> for the recently promoted Fire Equipment Operator Josh Bethel, Lieutenant, Darin Jones, and Captain John Lage.



Jake Anderson, Nick Keen, Deb Schwartz, FEO Josh Bethel, & Captain John Lage received a Unit Citation for an incident that occurred on January 21<sup>st</sup> involving an escalator rescue.



Austin Simmons & Nelson Cruz graduated from Basic Aircraft Rescue Firefighting Academy on February 16<sup>th</sup>.



Captain John Lage & FEO Tim Tomlinson completed the National Fire Academy Managing Officer Program in February. They were recognized during a council meeting in March.



Chief Jones graduated on May 23<sup>rd</sup> from a 9-month Leadership Metrocrest class.



FEO Larry Sparks, Lt. Keith Davis, Adam Montgomery, Jake Metdker, & Cody Clemons received a Phoenix Award for a life saving event that occurred on May 24<sup>th</sup>.

# Swear-Ins, Recognitions, & Awards



Jeremy Hill, Darryl Johnson, Jason Burke, FEO JJ Kaiser, & Lt. Rick Johnson received a Phoenix Award for a life saving event that occurred on July 30<sup>th</sup>.



Lt. Darin Jones received the Employee of the Quarter award at the Employee Luncheon on August 9<sup>th</sup>.



Jeremy Hill & Chris Maxwell were sworn-in on September 10<sup>th</sup>.



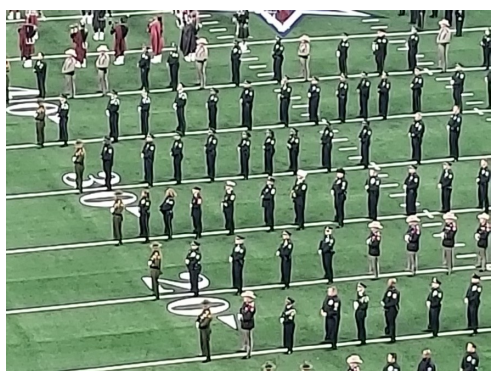
Jake Anderson, Roy Luevano, Curt Sanders, FEO Josh Bethel, & Deb Schwartz received a Unit Citation for an incident that occurred on September 21<sup>st</sup> involving a shooting.



Members of the department attended the Trinity Christian Academy's First Responder Night game, where they were recognized during halftime for their service to the community.



Lt. Keith Davis received an Award of Commendation for an off duty incident where he saved four individuals from flooding waters near his home.



Members of the department participated in the Dallas Cowboys vs Philadelphia Eagles First Responder's Day game. They were part of the opening & half-time events.



Congratulations to Kameron Russey for receiving the **2018 Paramedic of the Year Award**.



Congratulations to Jeremy Hill for receiving the **2018 Firefighter the Year Award**.



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