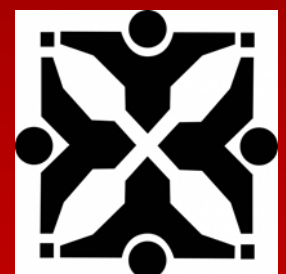


Columbia Fire Department



2017 Annual Report





Columbia Fire Department 2017 Annual Report

Randall E. White, Fire Chief

Kyle E. Fansler, Deputy Chief





Chief's Message

On behalf of the professional firefighters and staff of the Columbia Fire Department, I would like to thank the citizens of Columbia for their continued support. We continue to be well-equipped, well trained, and ready to face the tasks placed before us.

Some of our challenges still remain however, and continue to grow along with our city. The need for additional station locations and additional staffing continue to be the most pressing needs.

As you will see in this 2017 Annual Report, we do much more than just fight fires. Your fire department also has regional assets in our Hazardous Materials and Technical Rescue Teams, a quality Fire Marshal's division handling investigations and public education, and a Training Division that works hard to keep all of our 145 employees ready to go.

During the course of the year, we worked on addressing the needs of our members. We established a Fire Department Improvement Committee to give our members a way to participate in our operations, and have worked with our internal Health and Safety Committee on projects such as the growing awareness of the risk of cancer in the Fire Service and steps we can take to minimize that risk.

To the best of our ability, we will do all we can to be the all-hazard emergency service that you, our customers, have come to expect.

Take care and be safe,

Chief White





Vision:

We are committed to providing highly trained men and women who are well equipped to respond effectively to the needs of our customers.

Mission:

It is the mission of the Columbia Fire Department to continue our proud tradition of providing the highest level of service to our customers; the citizens and visitors of Columbia.

Through our most valuable resource, our employees, we will identify and respond to the changing needs of our community in a prompt, efficient, and professional manner.

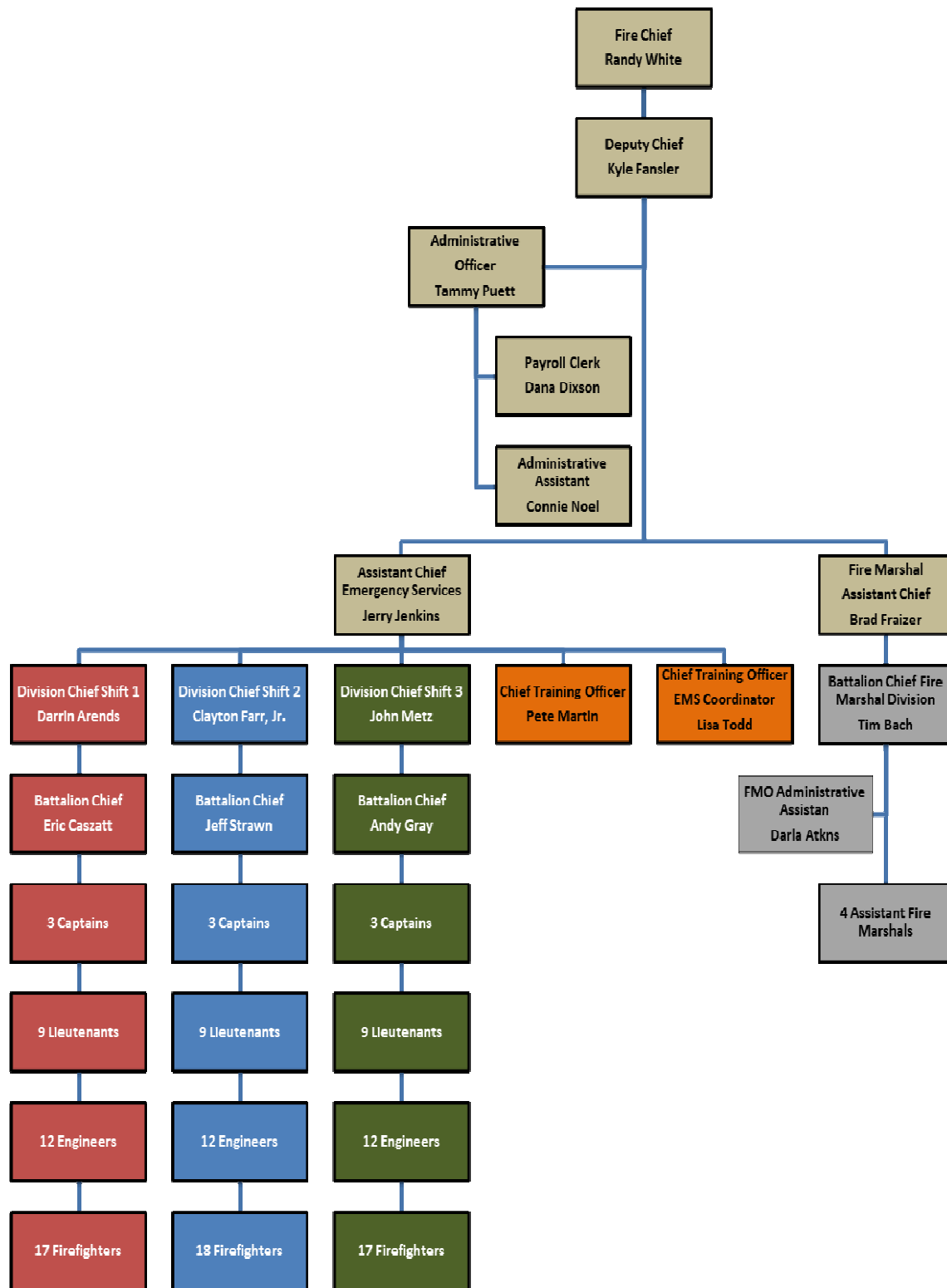
Through constant diligence and teamwork with other departments and community partnerships, we will strive to provide education and resources to prevent fires and mitigate emergencies.

Core Values:

- **Customer service:** We exist to provide the best possible service to all customers.
- **Communication:** We listen to our customers and respond with clear, compassionate, and timely communication.
- **Continuous improvement:** We value continuous improvement through planning, learning, and innovative practices.
- **Integrity:** We expect our employees to be ethical, honest and responsible. Our customers deserve nothing less.
- **Teamwork:** We achieve results through valuing diversity and partnerships within our own organization and the community. Each person's contribution is critical to our progress.
- **Stewardship:** We develop and empower our employees to serve the community to the best of their ability. We are responsible with the resources the community entrusts to us.



Organizational Chart





The 2017 City of Columbia statistics

Population: 120,612 (estimated)

Square Mileage: 65.51

Columbia Fire Department Statistics

ISO Rating	2
Uniformed members:	141
Civilian members:	4
Stations:	9
In service Companies:	12
Minimum Daily Staffing:	37



The Columbia Fire Department consists of three divisions. The department is led by the Fire Chief, with the assistance of the Deputy Chief.

The Emergency Services Division is staffed 24 hours per day, 365 days a year. This division works a 24 hour on duty, 24 hour off duty schedule. After the third duty day, they have four days off. Each of the three shifts includes a Division Chief and Battalion Chief who run the daily operations for their shift. We operate from nine stations and staff a total of twelve apparatus. Each apparatus operates with an Officer, an Engineer and a Firefighter.

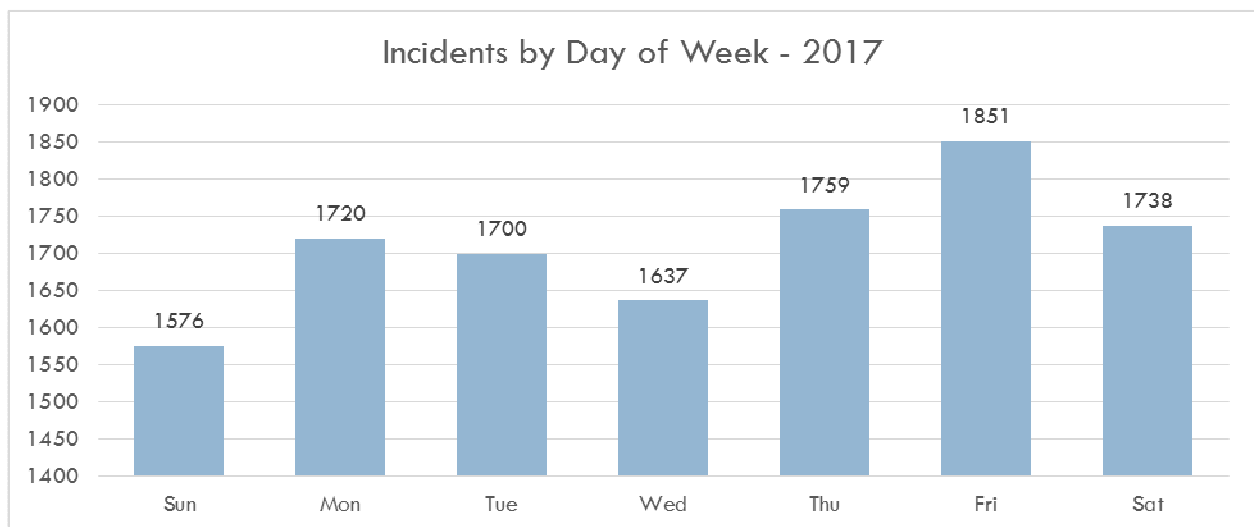
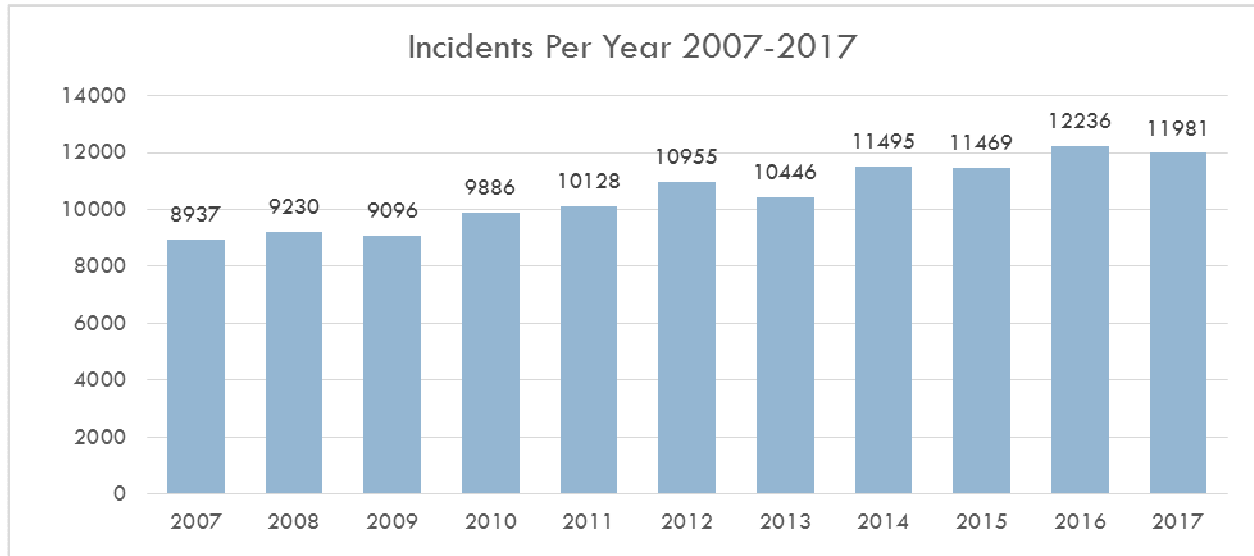
The Training Division is charged with providing training and support to the other divisions. The Training Division operates from our Fire Training Academy, and is staffed by two Chief Training Officers. This location provides classroom space, drill ground, a five story training tower and a live burn facility. The training staff coordinates all fire and EMS training. New Firefighters attend our Basic Recruit School which consists of an 11 week fire academy. During this academy, the recruits become certified as State of Missouri Firefighter I and II. The total training consists of 440 hours of both classroom and hands on training. The training staff also supports daily operations with supply procurement.

The Fire Marshal's Office is the code enforcement division. The division is staffed by a Battalion Chief and four Assistant Fire Marshals. This division supports the Department's operations by facilitating annual inspections, fire investigations and plan reviews. The staff members rotate call as the Duty Fire Marshal for investigations and consultation. All members in this division work a typical 40 hour schedule.





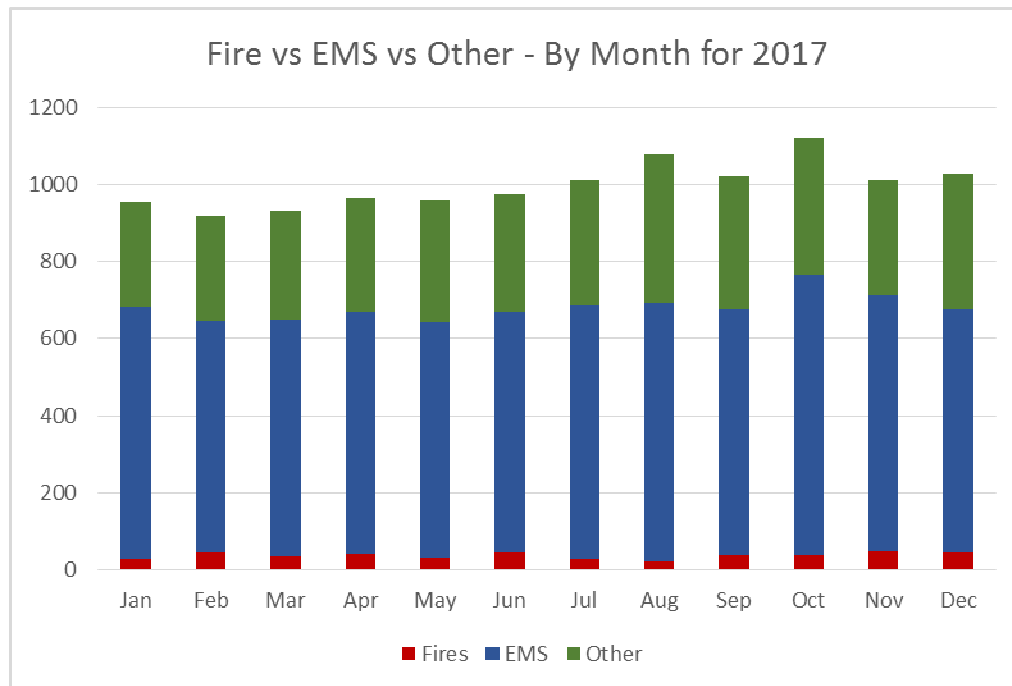
2017 Statistics





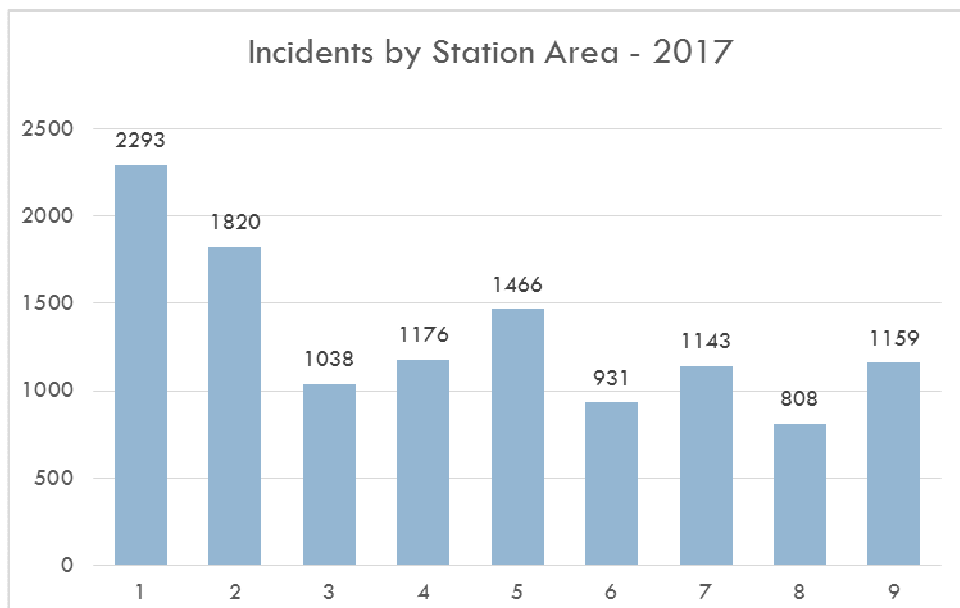
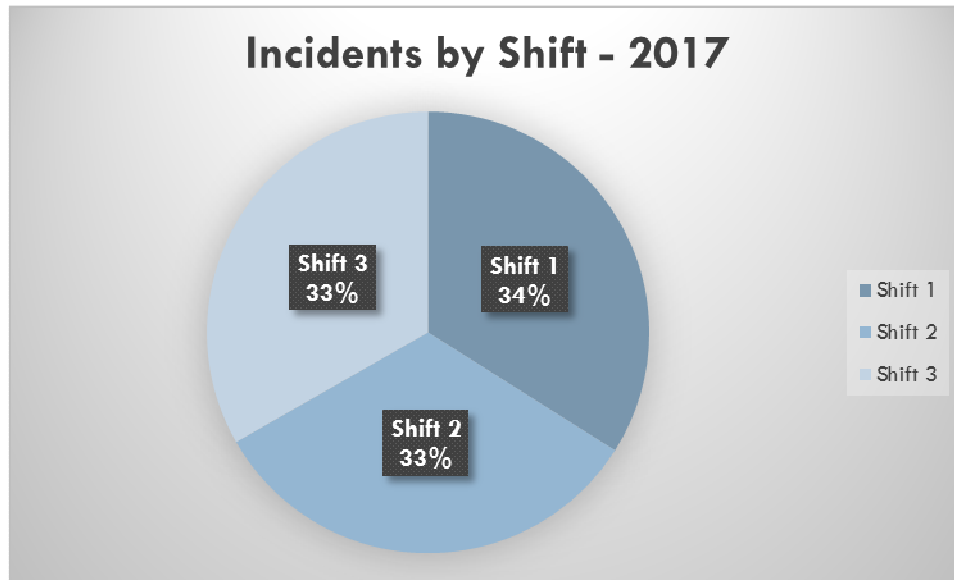
2017 Statistics

Incident Type	Count	%	Est. Loss
Fires	442	3.68%	\$ 2,445,050
Explosions	30	0.25%	\$ -
EMS	7725	64.47%	\$ -
Hazardous	383	3.19%	\$ -
Service Call	478	3.98%	\$ -
Good Intent	1467	12.24%	\$ -
False Alarm	1442	12.03%	\$ -
Severe Weather	3	2.00%	\$ -
Special	11	9.00%	\$ -
Total	11981		\$ 2,445,050



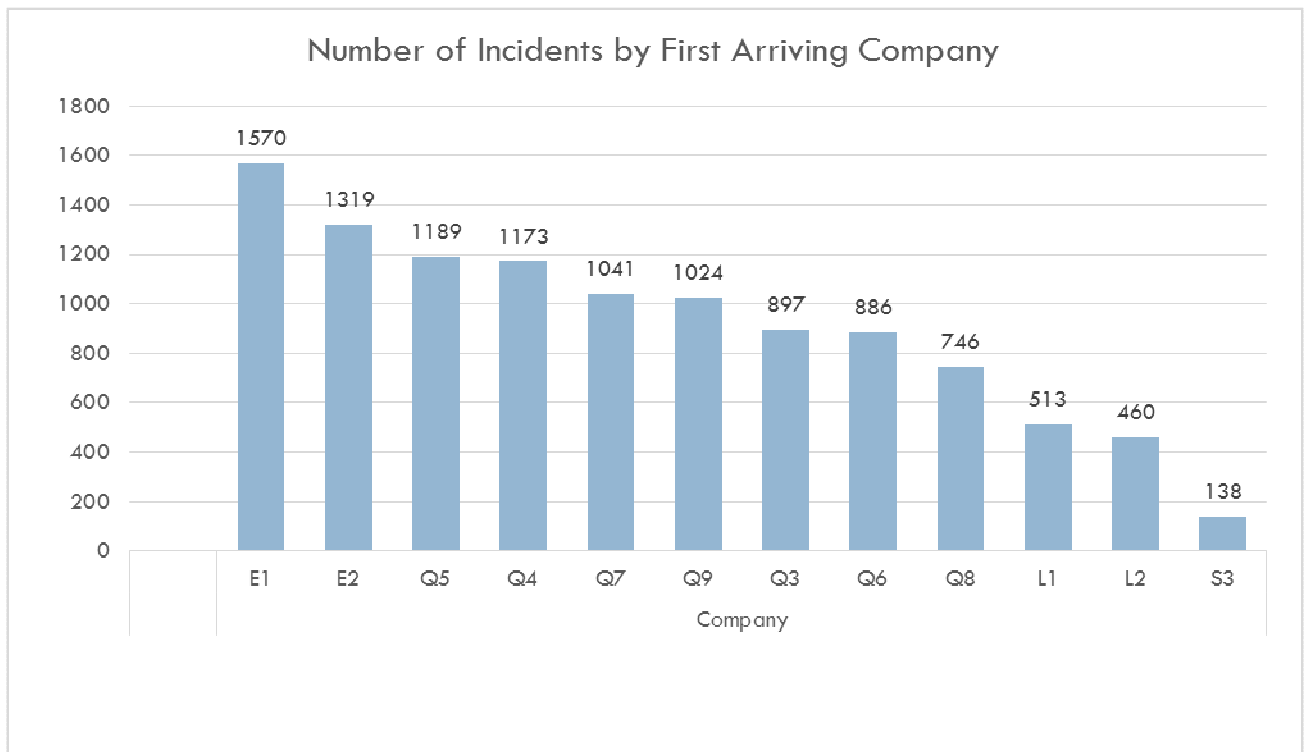


2017 Statistics





2017 Statistics





Fire Marshal's Division

The Columbia Fire Department's Fire Marshal's Division is devoted to preventing fires through public education, fire inspections, plan review, enforcement and comprehensive fire investigations.

Inspection services include the assessment of existing commercial buildings, new construction or renovation, commercial daycares, public schools and universities, fire suppression systems, fire alarm systems, occupancy inspections and KNOX-BOX Rapid Entry Systems.

In 2017, the Fire Marshal's Division conducted 214 general fire code compliance inspections, 120 business license inspections, 130 new construction inspections and 263 acceptance tests.

Construction plan reviews are conducted prior to issuing any permit, and are done in conjunction with Columbia's Building and Site Development to ensure fire and building code compliance. Additionally, site plan reviews are for proposed development and the surrounding area. Information including the building's size, occupancy, required fire flow, fire lanes, fire access, hydrant placement, fire department connection placement, turning radius and laddering area are all evaluated.

The Fire Marshal's Division conducted 453 initial plan reviews and 58 plan reviews for resubmittals in 2017, with an average turnaround time of two days, well inside the City's ten day plan review requirement.

Fire investigations are performed by Assistant Fire Marshals who are all certified as fire investigators through the Missouri Division of Fire Safety. Fires whose cause is undetermined or incendiary in nature are thoroughly investigated to determine the origin, cause and circumstances surrounding the event. The Columbia Fire Department is also home to Izzo, one of only two accelerant detection canines in the State of Missouri.

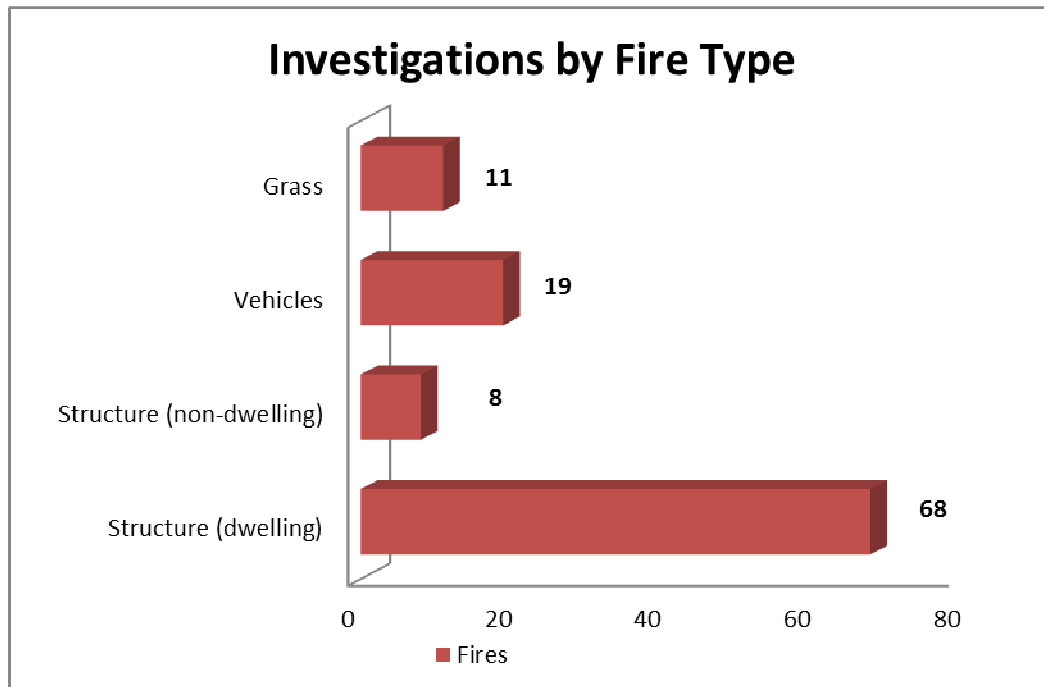
In 2017, the Fire Marshal's Division conducted 68 structure fire investigations for inhabited buildings, 8 structure fire investigations for uninhabited buildings, 19 vehicle fire investigations and 11 outside fire investigations. 27 of these fires were suspicious in nature and resulted in 3 arson arrests.

The Fire Marshal's Division also participates in the Safe Kids Coalition and installs hundreds of child car seats every year.

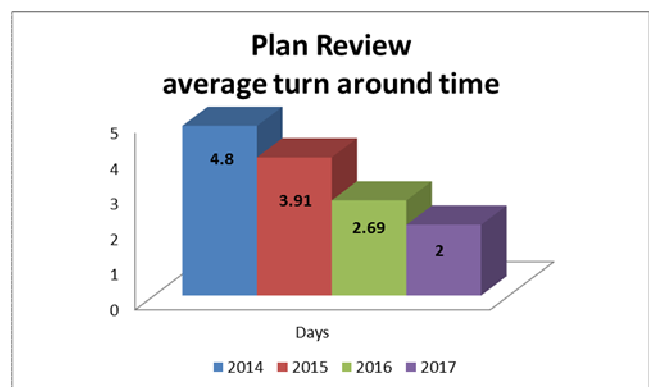
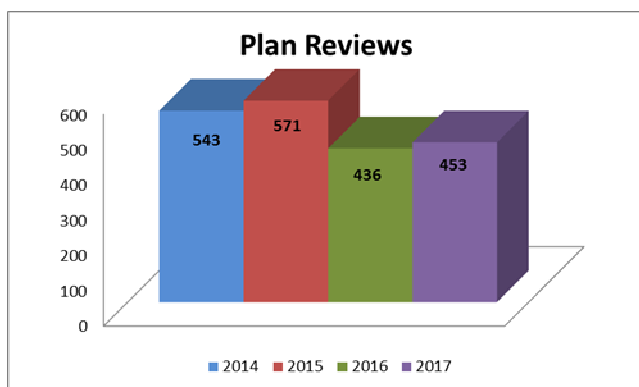




2017 Fire Marshal's Office Statistics



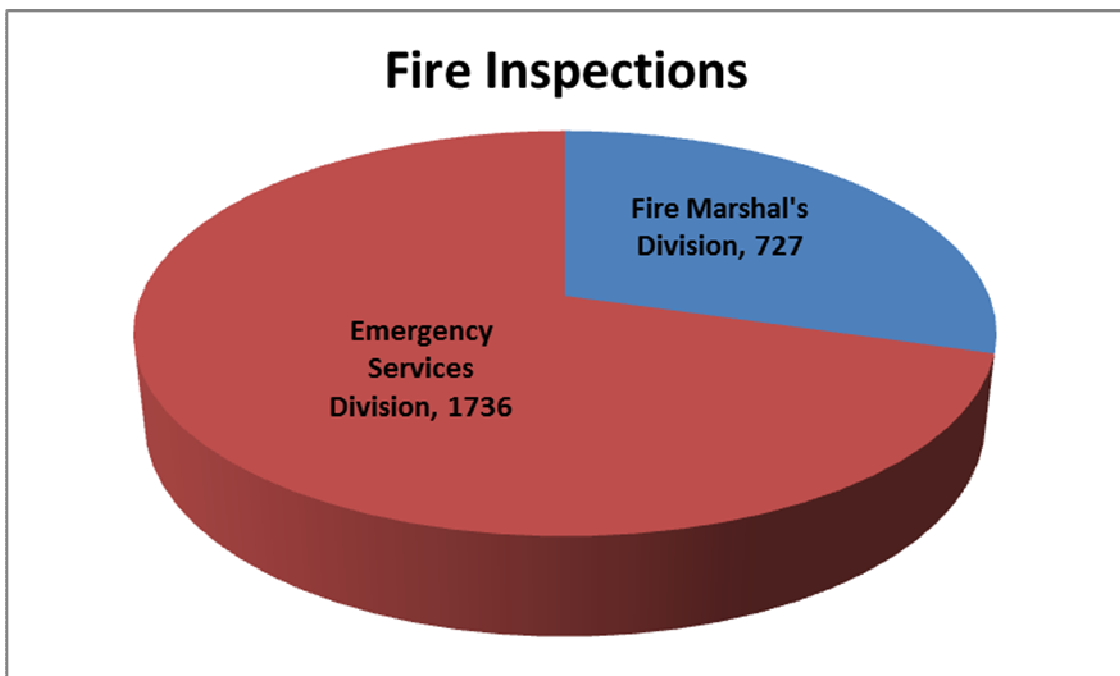
The Fire Marshal's Division also has an important role in new building plan review. Below are charts showing the past two years with the number of plans reviewed and the average turn around times.





2017 Fire Marshal's Office Statistics

Fire Inspections by Division

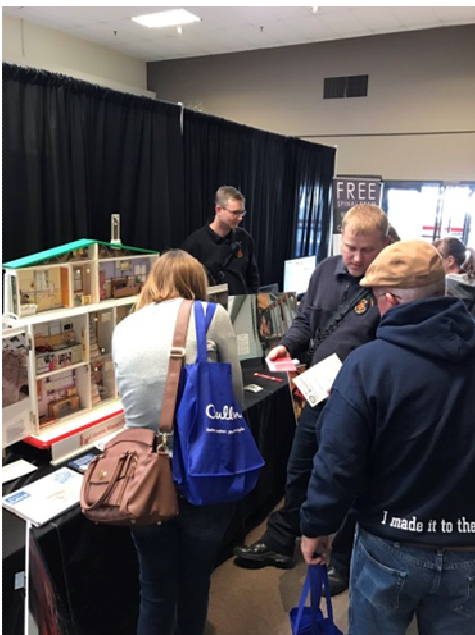




Public Education

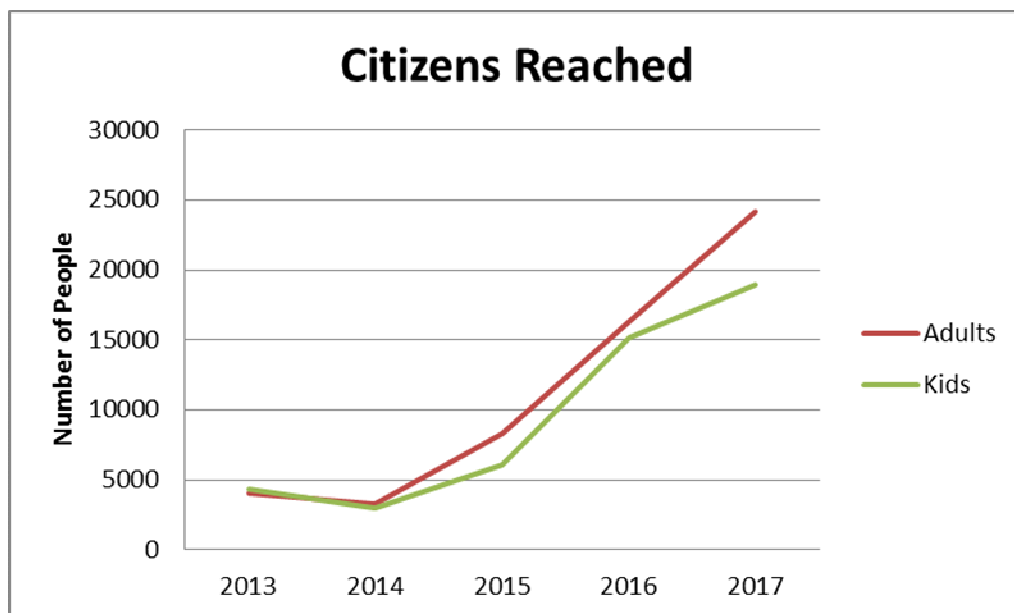
All members and divisions of the Columbia Fire Department are actively involved in public education. All uniformed members meet the National Fire Protection Association requirements for Fire and Life Safety Educator. A large number of personnel have advanced training and experience that meet Fire and Life Safety Educator 2 and 3 requirements.

Our public education program is structured to target four high risk areas in our community; third and seventh grade students, off campus housing, assisted living communities and the business community. The programs created for these areas employ research-based educational concepts, information developed from local emergency statistics, interactive displays and hands-on training.





Public Education





Fire Facilities and Apparatus

- Fire Station 1: 201 Orr Street
 - Engine 1 **2017 Sutphen (Engine)**
 - Ladder 1 2012 Sutphen (95' Platform)
 - Division Chief 2015 Chevrolet Suburban (command vehicle)
 - Battalion Chief 2011 Chevrolet Suburban (command vehicle)



- Fire Station 2: 1212 West Worley
 - Engine 2 2009 Sutphen (Engine)
 - Ladder 2 2003 Sutphen (95' Platform)

- Fire Station 3: 1000 Ashland Road
 - Quint 3 **2017 Sutphen (75' straight stick)**
 - Squad 3 2015 Sutphen (Heavy Rescue)



- Fire Station 4: 2300 Oakland Gravel Road
 - Quint 4 2015 Sutphen (75' straight stick)
- Fire Station 5: 1400 Ballenger Lane
 - Quint 5 2010 Sutphen (75' straight stick)
- Fire Station 6: 3112 Chapel Hill Road
 - Quint 6 2013 Sutphen (75' straight stick)

- Fire Station 7: 400 Green Meadows Circle
 - Quint 7 2016 Sutphen (75' straight stick)

- Fire Station 8: 2301 East Nifong
 - Quint 8 2013 Sutphen (75' straight stick)
 - Air Truck 2009 Precision (Air and Light)

- Fire Station 9: 201 Blue Ridge Road
 - Quint 9 2009 Sutphen (75' straight stick)
 - Hazmat Truck 2011 Sutphen (Hazmat)

- Fire Training Academy: 700 Big Bear Boulevard



2017 Fire Training

The Columbia Fire Department Training Division continues to use Target Solutions as a primary training resource. This has greatly enhanced our training capabilities. Target Solutions allows the department to accomplish many things: better meet and achieve local, state, and federal mandates, operate more efficiently by streamlining completion and compliance tasks, improve record keeping, as well as saving time and money. It allows our personnel to remain in territory to protect the citizens we serve.

Along with Target Solutions, CFD continues to maintain a high level of both internal and external training opportunities.

In 2017 CFD hosted the following courses:

- Scott Air Technician Course
- Child Passenger Safety Course
- Ameren UE Gas Training
- Missouri Division of Fire Safety Firefighter I & II update
- NFA Incident Command for High-rise Operations
- Haz-Mat IQ Class
- Regional Arson Dog Training
- Chief Officer Training - Instructor Retired Fire
- Chief Alan Brunacini - Phoenix, Arizona
- Department Strategic Plan Meeting - SWOT Analysis
- Thermal Imaging Camera Training
- Sexual Harassment Training
- Haz-Mat Training with MO 7th CST
- UHC/Rally Presentation

CFD personnel participated in outside training in 2017. These training include:

Stephens College Equine Fire & Safety Workshop

- MURR Facility Tour
- Human Resources Leadership Classes "LADDERS" Training
- University of Missouri Fire & Rescue Training Institute - Winter Fire School
- University of Missouri Fire & Rescue Training Institute - Summer Fire School
- Planning for Active Assailant Exercise

Chemical Suicide Class

CFD held a Basic Recruit School class during 2017. This consisted of 15 weeks of intense training for the newest probationary firefighters.

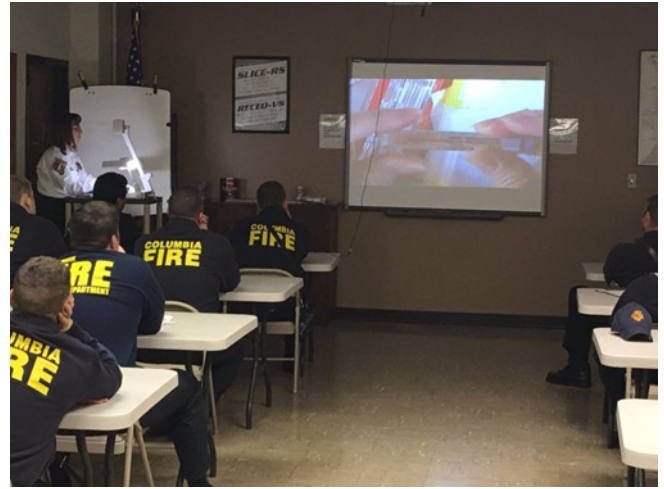
In addition, CFD provided many other training opportunities including: emergency medical practical skills including the topics Airway Management, Narcan use, Automatic Defibrillator, CPR, Hazardous Materials classes, Technical Rescue training, Water and Ice Rescue, Driver/Operator training, Fire Instructor I, Fire Officer I, Command/Officer Training, Live Fire training, and quarterly fitness challenges.

CFD has an active Explorer Post and personnel provide monthly training to fire explorers.

The Columbia Fire Department continues to strive to find new and innovative methods to teach and maintain the highest level of training possible.



2017 Fire Training





2017 Fire Training



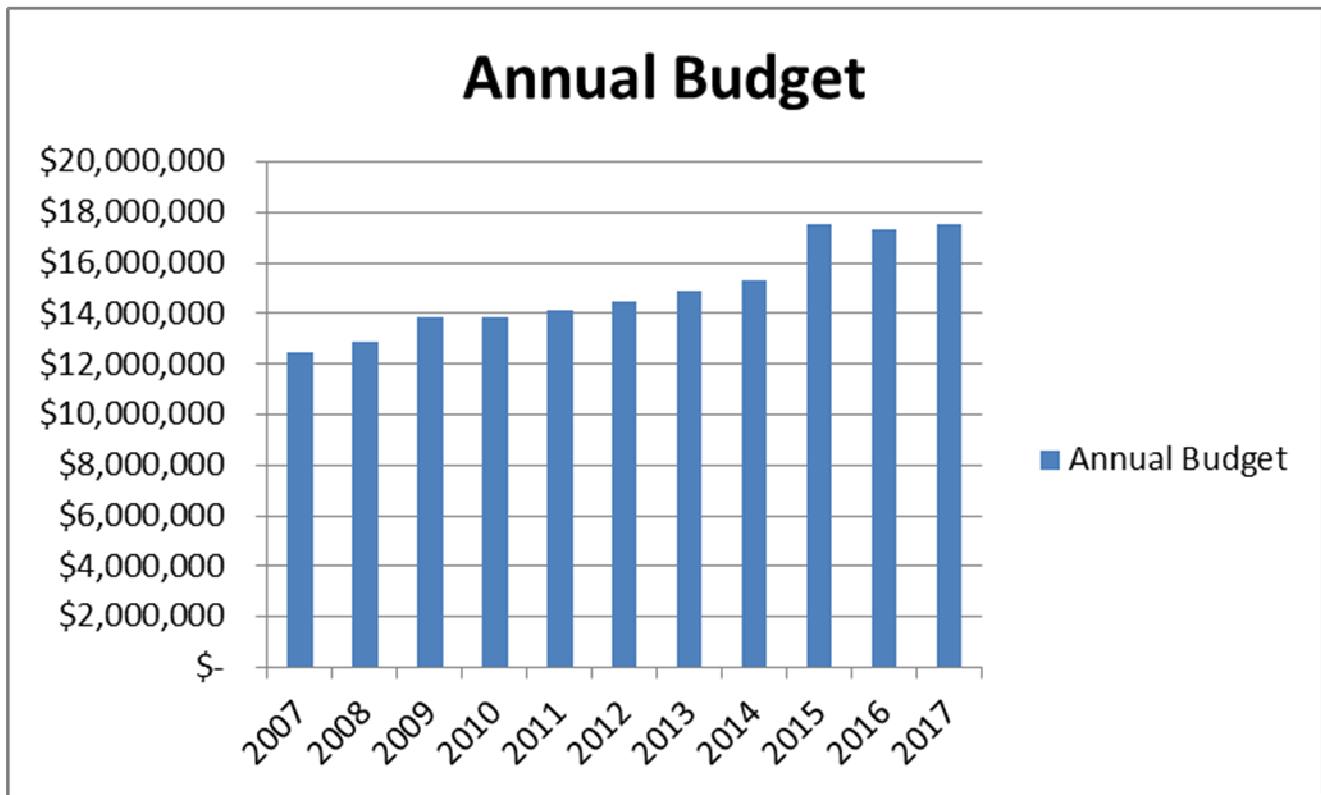


2017 Fire Training



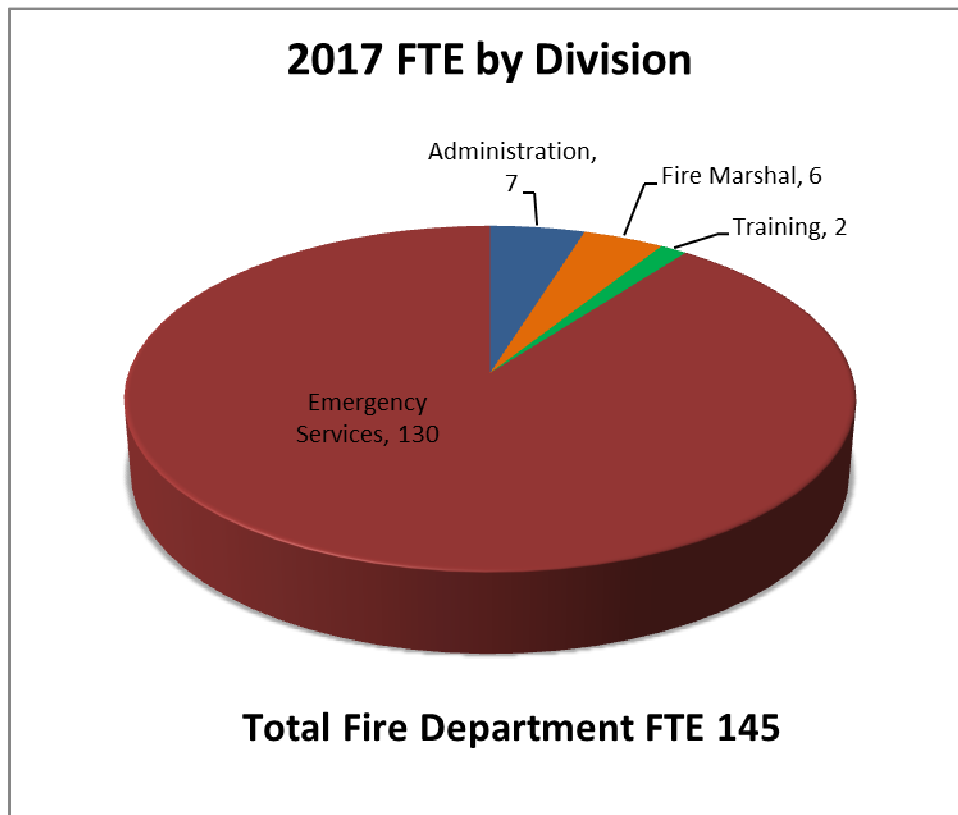


2017 Budget





2017 Personnel by Division





2017 Promotions

<u>Name</u>	<u>Date</u>	<u>Rank</u>
Lisa Todd	February	Chief Training Officer
Peter Martin	February	Chief Training Officer
Clayton Farr, Jr	March	Division Chief
Jeff Strawn	March	Battalion Chief
Greg Kome	March	Captain
Ben Caszatt	March	Lieutenant
Joey Simmons	March	Engineer
Brenda Harriman	October	Engineer
Jerry Jenkins	October	Assistant Chief
John Metz	November	Division Chief
Eric Caszatt	November	Battalion Chief
Ryan Adams	November	Captain
Jeff Coffman	November	Lieutenant
David DeRaps	November	Engineer



Fire Department Improvement Committee

The Fire Department Improvement Committee (FDIC) was formed at the request of the Fire Chief to more efficiently process the many suggestions the department receives from its members. FDIC members represent every shift, rank and division within the fire department and meet regularly to discuss ideas that meet at least one of three criteria – have a significant associated cost, change the way the department delivers the services it provides or affect more than one division within the department.

The committee fully vets all suggestions and votes by simple majority to accept, decline or request more information about a recommendation. A chairperson within the committee is selected for each idea that receive approval to ensure all necessary information is gathered for final review and consideration by the command staff and the Fire Chief. This may or may not include testing, gathering additional data identified through testing and/or modification from what was originally submitted to improve effectiveness.

The committee works off meeting agendas, maintains meeting minutes, prepares quarterly reports for distribution to all department members and places high value on communication, timeliness and transparency.

Brad Fraizer

Brian Davison

Jeff Heidenrieck

Kyle Schuster

Jesse Cash

Danny Spry

Neil Eckhoff

Dan Berlemann

T. J. O'Brien

Jim Pasley

Pete Martin



New Employees

BRS 17-1(7/17/17)

Matthew Bunton

Jakob Glover

Jordan Klebba

Kyle Mattingly

Shawn Noordsy

Thomas Schonhart





Retirements/Resignations

<u>Name</u>	<u>Rank</u>	<u>Date</u>
Marc Wright	Division Chief	March
Ryan Shelton	Fire fighter	June
Matthew Romine	Fire fighter	August
Matt Hudson	Assistant Chief	September
Mark Poole	Engineer	October





Notable Events in 2017

Incident at Columbia Regional Airport

(COLUMBIA, MO) – On January 23, 2017 around 2:30 pm, a Beechcraft Baron twin engine aircraft which took off from Hook Field in Texas landed with four passengers on-board without incident at Columbia Regional Airport (COU).

Shortly after landing on runway 2-20, the aircraft turned onto taxiway B, traveled about 20 feet, and the landing gear then collapsed for an unknown reason.



Airport Public Safety personnel and vehicles responded and found the four occupants unharmed and exiting the aircraft. No fire occurred.

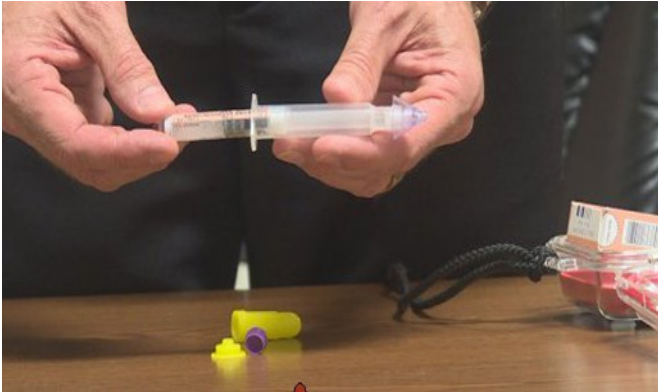
The aircraft was disabled in a safety area causing the closure of runway 2-20. The runway closure caused American Airline flight 3681, scheduled to depart COU to Dallas Fort-Worth at 2:31 pm to be delayed.

Units from the Columbia Fire Department responded with airbags normally used in vehicle extrication's and technical rescues, to lift the aircraft high enough for a tug to slide a tow bar underneath it.

Around 6:30 pm, the aircraft was towed to Central Missouri Aviation and runway 2-20 was opened.



Columbia Fire Department adds new life saving tool



(COLUMBIA, MO) - According to the United States Department of Health and Human Services, on an average day in the United States more than 650,000 opioid prescriptions are dispensed¹, 3,900 people initiate non-medical use of prescription opioids, 580 people initiate heroin use² and 78 people die from an opioid-related overdose³. The Columbia Fire Department responded to 354 poisonings / drug ingestion calls in calendar year 2016. **NOTE - Local statistics cover a broad category. Not all are necessarily opioid overdoses.**

Columbia is not immune to opioid related overdoses. Consequently, the Columbia Fire Department will begin carrying naloxone, a medication used to rapidly reverse the effects of opioid overdoses, on all front-line trucks on Jan. 26, 2017. Naloxone will have no effects, adverse or otherwise, on individuals who have ingested a substance other than an opioid. Naloxone has been successfully administered to patients as young as two years old and in the elderly.

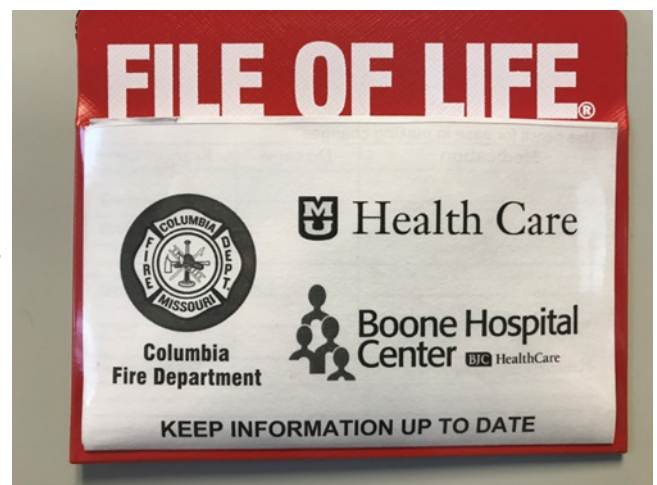
"Opioid overdose deaths are devastating to all communities, including Columbia. Our ability to administer naloxone has the potential to save lives," said Fire Chief Randy White.

Columbia Fire, University of Missouri Health Care, Boone Hospital collaborate for File of Life program

(COLUMBIA, MO) – February 22, 2017

The Columbia Fire Department, University of Missouri Health Care and Boone Hospital are proud to team up to offer Columbia residents the File of Life program. The File of Life program is an initiative that assists Emergency Medical Services (EMS) personnel when they respond to medical emergencies. The program uses clear, plastic, magnetized envelopes to store pertinent medical information on refrigerator doors. A standard medical form inside the packet allows residents to list prescriptions, allergies, their medical history and emergency contacts. These forms can be very valuable to emergency responders when residents are unresponsive or unable to communicate with EMS personnel.

This program is free to the community. University Hospital and Boone Hospital will be distributing File of Life packets at many of their community events and public health screenings. Packets can also be picked up at Columbia Fire Department fire stations and headquarters.





Columbia Fire Department gets arson dog



(COLUMBIA, MO) - The Columbia Fire Department has a new member on its arson investigation team. While a rookie, he's guaranteed to be an instant pro when it comes to sniffing out accelerants that may have been used to start fires.

Through a grant from State Farm Insurance, Assistant Fire Marshal Jim Pasley will be fighting arson with Izzo, a 1 year-old male Golden Retriever/Black Labrador mix. The two spent over a month of training at the New Hampshire State Fire Academy.

State Farm has sponsored more than 380 arson dog teams in the United States since the program began in 1993. Currently, there are 96 active teams.

According to the National Fire Protection Association (NFPA), an estimated 280,000 intentional fires are reported to fire departments each year, with associated annual losses of 420 civilian deaths, 1,360 civilian injuries and \$1.3 billion in direct property damage. The actual number of

arson fires and amount of property damage is likely much higher as arson is an underreported crime. Arson dogs played a key role in determining the cause of many fires.



COLUMBIA FIRE DEPARTMENT 2017 ANNUAL REPORT



COLUMBIA FIRE DEPARTMENT 2017 ANNUAL REPORT







FIRE PREVENTION WEEK KICK-OFF PARTY!! Sunday Oct. 8th, 2017



- Free Admission
- Free Food
- Bounce House
- Kids Games
- Fire Truck Exhibits



EVERY SECOND COUNTS

PLAN 2 WAYS OUT!



Columbia Mall Parking Lot
1pm - 3pm



COLUMBIA FIRE DEPARTMENT 2017 ANNUAL REPORT





Man Critically Injured After Residential Fire

(COLUMBIA, MO) - On Friday, October 20th, 2017 at 12:30 AM, units from the Columbia Fire Department were dispatched to 18 Forest Avenue for a residential structure fire. The first crew arrived five minutes later and found a single story residential structure with smoke visible. The structure was made of three separate apartments, and a fire was located inside one of the units. Fire crews found an adult male located inside the involved unit. He was removed from the structure and transferred to the care of a medic unit. He was transported to University Hospital with life-threatening injuries. The fire was extinguished in approximately five minutes.

Three people were located inside one of the other apartments and escaped without injuries. The Columbia Fire Department Marshals Division is conducting an investigation which is ongoing. Damages are estimated at \$5000.

A Unit Citation has been given to the Engine 2 crew of Lt. John Ambra, Engineer Doug Ritchie, and Firefighter Kyle Schuster, for their rescue of an individual at the Forest Avenue fire in October.



COLUMBIA FIRE DEPARTMENT 2017 ANNUAL REPORT



COLUMBIA FIRE DEPARTMENT 2017 ANNUAL REPORT

