

# Neosho Fire Department 2017 Annual Report



*It is the design of the department to serve the public to the best of  
Our ability.*

*The mission of the department it to assist people through  
Prevention, Planning, Education, and Action.  
We pursue this mission with determination and resolve with  
emphasis on  
Dedication, Compassion, and Constant Improvement.*

## Introduction

The Neosho Fire Department year started busy and stayed that way for most of the year. We had 2,329 calls for service and a break-down of the call history, response by district, department training, and history of calls for service is provided later in this report.

I would like to say “Thank You” to the citizens that have continued to support the fire department. We have worked very hard at maintaining the high standards that the citizens of Neosho have come to expect. To the members of the fire department, their families, fellow City employees, first responders from around the area, a big thank you for your time helping make Neosho a safer place. In times of need, this community comes together making Neosho a better place for our families to live.

## Chief Mike Eads

### Departmental facts

Fire Station 1  
125 N. College St.  
Neosho, Missouri 64850  
Phone: 417-451-8021  
Fax: 417-451-8027

Fire Station 2  
501 Industrial Drive  
Neosho Missouri 64850  
Phone: 417-451-8030  
Fax: 417-451-8047

District Fire Station (3)  
13002 Ireland Lane  
Neosho MO 64850  
(Unmanned District built station)

Department e-mail: Fire Chief Mike Eads, [meads@neoshomo.org](mailto:meads@neoshomo.org)  
Deputy Fire Chief Jim Ledford, [jledford@neoshomo.org](mailto:jledford@neoshomo.org)  
Administrative Assistant Shelby Pringle, [springle@neoshomo.org](mailto:springle@neoshomo.org)

### Staffing-40 hour

Fire Chief  
Deputy Fire Chief  
Administrative Assistant  
Fire Inspector

### Staffing-24 hr Shift

3 Battalion Chiefs  
3 Captains  
12 Engineers  
6 Firefighters

### Staffing-Paid-per-call

3 Firefighters

**City ISO rating is: 4/4X**  
**District ISO rating is: 5/10**

**Fire Department Personnel Current staff  
End of year 2017  
(Year started full time)**

**Administrative Staffing [40 hr]**

Fire Chief Mike Eads (86)  
Deputy Fire Chief Jim Ledford (97)  
Administrative Assistant Shelby Pringle (17)  
Fire Inspector/Firefighter Scott Maness (11)

**Shift personnel [24/48 hr]**

**A-Shift (24)**

Bat. Chief Brad Morris (92)  
Capt. Roy Haskett (02)  
Eng. Tim Duncan (02)  
Eng. Jacob Guernsey (13)  
Eng. Dakota Pendleton (14)  
Eng. Joshua Anderson (15)  
FF Phillip Doke (16)  
FF Steven Hendrix (17)

**B-Shift (24)**

Bat. Chief Adrian Hitchcock (02)  
Capt. Kyle Rogers (03)  
Eng. Mark Solomon (02)  
Eng. Beau Davis (05)  
Eng. Luke Powell (12)  
Eng. Lance Parsons (15)  
FF Brandon Burns (16)  
FF Danny Naugle (17)

**C-Shift (24)**

Bat. Chief Bret Smith (91)  
Capt. Derek Williams (16)  
Eng. Wade Sterling (04)  
Eng. Travis Bracht (11)  
Eng. Jacob Pim (11)  
Eng. Heath Crowder (17)  
FF Jeremy Clogston (17)  
FF CJ Hutchens (17)

**Paid-per-Call**

Firefighter Steffen Wiest (11)  
Firefighter Derek Lawrence (11)  
Firefighter Cody Bunch (14)



The Fire Service is a noble calling, one which is founded on mutual respect and trust between firefighters and the citizens they serve. To ensure the continuing integrity of the Fire Service, the highest standards of ethical conduct must be maintained at all times.

**Response area of the department is approximately 93 square miles, which includes:**

**City of Neosho (15.75 Sq. Miles)**  
**District A**-Inside City limit, north of South Street  
District B-Inside City limit, south of South Street

**Neosho Area Fire Protection District District C-Area outside City of Neosho (77.25 Sq. Miles)**  
Limits: Iris Road on the north, Goldfinch on the west, AA Highway on the south, Panda Road on the east. District lines follow section lines where no roads are located.

**Mutual Aid (M/A)**

Assistance requested from and provided to all local fire or other agencies that request personnel, equipment, or special assistance from the fire department. Department also participates in the State Wide Mutual Aid assistance program when requested if resources and personnel are available.

**Equipment Operated by the Fire Department: (year of vehicle)**

**City:**

2 Engines (2013 & 1999)  
1 Reserve Engine (1987)\*  
1 Aerial-75 Ft. (1996)  
1 Light rescue (2008)  
3 Service units-pickup trucks, & Air Unit (2001, 2005, 2005)  
1 Command vehicle (DC) (2016)  
1 Inspector vehicle-Staff (2006)  
1 Educational trailer (CARE)  
1 Radio/Rehab vehicle (MDC-1992) (MDC surplus property)  
\*Currently out of service

**District:**

2 Engines (2017, 2009)  
1 Reserve engine (1995)  
3 Tankers (2016, 2000, 2000)  
1 Reserve tanker (MDC-2009)  
3 Brush trucks (2001, 2006, 2009)  
1 Light rescue (2005)  
1 Command vehicle (Chief) (2009)  
1 Flatbed trailer  
  
Station 3 (13002 Ireland Lane)  
(District owned)

**County Supplied Vehicle (2001)**-Air Unit 1 is a Mobile Air Supply unit purchased through a joint agreement of the Newton County Fire Departments and Newton County Commission. (Pickup used to supply breathing air for firefighters during emergencies.) Area departments share cost of operations of this equipment.

County Chiefs are looking at a AFG grant to purchase a new vehicle and equipment. Cost of the matching portion of the grant would be shared by everyone with the older equipment sold to help reduce that match cost even more.

**Homeland Security Equipment operated by fire department**- In September 2008, the City of Neosho opted out of this program due to funding available to support the program. In January 2010, we closed out funding from Missouri's Homeland Security Regional Response System (HSRRS) program funds. Teams retained all equipment received through the program. Unencumbered funds were reallocated to the Regional Homeland Security Oversight Committee.

Team was comprised of members of the Neosho Police (Law Enforcement), Neosho Fire (Haz-mat), and Newton County Ambulance District (Medical). Equipment has been used to support local and mutual aid operations when requested or Regional or State Responses when called for. Primary mission of the Neosho Haz-Mat Team was to support other Regional and State teams during times of emergency.

Equipment listed consists of Hazardous materials and Decontamination Equipment used by the Neosho Fire Department HSRRS.

3-Prime equipment Movers (F250, F-550, and Bobcat loader)

1-28 foot Cargo Trailer-Hazardous Materials Equipment

1-20 foot Cargo Trailer-Equipment Mover

1-16 foot Flatbed Trailer-Equipment Mover

4-ATV's with Trailers and Carts-Equipment Movers

Assorted logistical support equipment (Sheltering tents, generators, heating system, etc).

Neosho Police and Newton County Ambulance District also received specialized equipment through the program.

Equipment issued to and purchased for the team through the Homeland Security Program was in excess of \$410,000.

### **Vehicle Maintenance and Service**

Due to the nature of the services the fire department provides, the task of proper operation and maintenance of all equipment is of utmost importance. The maintenance programs of the department consist of daily, weekly, monthly, six-month and annual service. Records are maintained on all apparatus and motorized equipment. Minor service and repairs, such as oil changes, adjustments to vehicles, and equipment are performed by duty personnel or individuals within the department that have been factory trained in maintenance procedures on specific equipment. These would include major repairs, computerized diagnostics on apparatus engines and electrical equipment, air sampling and service of Self Contained Breathing Apparatus and their air cylinders. Our annual ISO testing of pumpers, SCBA's, aerial, and ground ladders are performed by an outside vendor since the department does not have proper equipment for these types of testing. NFPA recommends an outside testing source as well. We do attempt to schedule and offer these testing requirements to other departments within our area to help with reducing the cost to all departments for these services.

We also rely on the public works maintenance shop and personnel. Allowing the fire department to use the shop and pit area to perform maintenance has greatly helped our personnel. City Shop personnel have also helped and or provided support in areas that we needed assistance with maintenance and repair of our apparatus.



## Fire Department Response Information

### Calls by District

	2017	2016	2015	2014	2013
District A (995) = 42.72%		43.04%	42.83%	40.30%	46.24%
District B (677) = 29.06%		27.85%	26.73%	26.02%	25.96%
District C (585) = 25.11%		24.86%	26.39%	29.63%	24.30%
Mutual Aid (72) = 3.09%		4.22%	4.03%	4.04%	3.48%

### 5 year average for Calls by District

City-District A 43.03%    City-District B 27.12%    District C: 26.06%    Mutual Aid: 3.77%

### Yearly Average Response Time for the First Arriving Unit (from receiving alarm to arrival) (Fire calls only) (In minutes) (Times are from Station to call)

	2017	2016	2015	2014	2013
District A	4:35	5:04	5:05	5:35	5:32
District B	6:32	5:48	5:48	7:12	6:48
District C:	9:32	9:33	9:37	9:30	8:11

### 5 year average for first arriving unit

City-District A 5.02                      City-District B 6.18                      District C: 9.01

**Yearly Average Response Time for the Second Arriving Unit (from receiving alarm to arrival) (Fire calls only)**

	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>
District A	6:36	7:59	7:20	7.16	6.30
District B	7:20	7:00	5:45	7.12	7.48
District C:	10:31	9:44	10:27	10.27	9.18

**5 year average for second arriving unit**

City-District A 6.92                      City-District B 6.85                      District C: 9.89

Factors that can effect response times are location of call, travel routes, traffic, overlapping or multiple calls, calls outside the district areas (Example: Dist. Apparatus responding to Dist. B area or Dist. B responding to Dist. A area) and Dispatching of call.

**Man-hours by District (Man-hours=number of personnel responding X length of call) (From receiving alarm till apparatus and equipment are returned to service) (All call types)**

District A (Calls for service-995)	1,644.55 man hours
District B (Calls for service-678)	1,196.21 man hours
District C (Calls for service-584)	1,616.46 man hours
Mutual Aid (Outside City and District 72 calls for service)	232.78 man hours

**Average Response Turnout (Personnel On-scene of working structure fires only)**

District A (Incidents-15)                      Average turn out per incident-8  
 District B (Incidents-9)                      Average turn out per incident -8  
 District C (Incidents-14)                      Average turn out per incident-8  
 ISO recommends 10 personnel for structure alarms

**5 year average turn out per incident**

City-District A 9                      City-District B 9                      District C 9

**Major structure incidents, with over \$5,000 fire department estimated loss:**

January	City-201 N. High St-\$20,000 City-627 Highland Pl-\$22,500
February	City-1209 Oak Ridge Dr-\$10,000
March	District-18320 E. Highway 86-\$12,000 District-9790 Noel Ln-\$380,000 District-10665 Gateway Dr-\$380,000 District-11232 Poppy Dr-\$17,000
April	City-4400 Doniphan Dr-\$500,000
June	City-5739 Cockrell Dr-\$310,000
July	City-422 Adams St-\$12,000

Major structure incidents, with over \$5,000 fire department estimated loss continued:

August	City-330 W. Coler St-\$35,000
September	District-1967 Industrial-\$91,000
	District-18281 Jasmine Dr-\$15,000
October	District-1710 Fawn Dr-\$25,000

We responded to 51 calls for service that were logged as a fire (Structure, vehicle, etc.) and of that number we had an estimated dollar loss amount of \$1,965,250. This number reflects all calls where there was a reported loss of any amount. (Estimates for dollar loss are just an estimate from fire personnel on scene and do not reflect the actual dollar loss by the Insurance Company or Home Owner)

**Fire related injuries or deaths (Civilian or Fire Personnel)**

- 0-Civilian deaths in the City or District
- 0-Civilian injury in the City or District
  
- 0-Fire personnel deaths in the City or District
- 0-Fire personnel injury in the City or District

**Firefighter Training**-Personnel participated in 5,669.32 hours of in-house and outside department training. That breaks down to 182.82 hours of training per individual.

**Community Training**-110 hours of public education was performed during the year. 284 adults and 1,430 children participated in activities that consisted of extinguisher training, school fire prevention programs, fire safety talks for businesses, industry and the public.

**Inspections**-847 total inspections were done. 543 inspections where Pre-Plans, Business, Company, Industry, new construction, remodels, tent, fireworks, and burn permits. 304 where re-inspections performed to follow up on questions and or concerns brought up from the first inspection.

## **Fire Department Manning/Personnel:**

**ISO**-In 2015 ISO came in and graded the city in several areas, that being Fire Department, water supply and dispatching services. These areas were broke down even further and a point system is used to determine an ISO or insurance rating for the city. The current city ISO rating is: 4/4X. This lowering in rating shows the city is improving in all services toward fire protection in the city and it is our hopes that this progressive attitude will continue into the next ISO visit.

Numbers by years

1999 Personnel Levels (21 Full time FF's, 8 PPC FF's)  
2 Chief Officers, 1 Admin. Assist, 1 Fire Inspector, 3 Captains, 3 Lieutenants,  
12 Engineers, 8 Paid Per Call Firefighters

2004 Personnel Levels (28 Full time FF's, 8 PPC FF's)  
2 Chief Officers, 1 Admin. Assist, 1 sec., 1 Building Inspector, 1 Training Officer,  
3 Captains, 3 Lieutenants, 12 Engineers, 6 Firefighters, 8 Paid Per Call firefighters

2010 Personnel Levels (20 Full time FF's, 3 PPC FF's)  
1 Chief Officer, 1 Admin. Assist., 3 Captains, 3 Lieutenants, 12 Engineers,  
1 Firefighter, 3 Paid Per Call Firefighters

2015 Personnel Levels (26 Full time FF's, 5 PPC FF's)  
1 Chief Officer, 1 Admin. Assist, 1 Inspector, 3 Bat. Chiefs, 3 Captains,  
12 Engineers, 6 Firefighters, 5 Paid Per Call Firefighters

2017 Personnel Levels (27 Full time FF's, 3 PPC FF's)  
2 Chief Officers, 1 Admin. Assist, 1 Inspector, 3 Bat. Chiefs, 3 Captains,  
12 Engineers, 6 Firefighters, 3 Paid Per Call Firefighters

The numbers above show our staff levels differences between 1999 and 2017. In 1999 ISO made several recommendations to the city, those being; water line improvements, dispatching improvements, road improvements, additional fire personnel, additional apparatus and additional stations. Between 1999 and 2015 improvements have taken place in the form of additional personnel (6 full time firefighters), training and documentation, dispatching services, water supply upgrades and updated equipment. In 2015 those improvements helped the city get a lower classification rating, that being a drop to the "4/4X" rating. We are still behind in certain recommendations with that being additional fire stations, personnel, apparatus and water supply.

It comes down to the better the service we can provide to the homeowner, the cheaper their insurance rates can be. For every 1 point drop in the ISO rating we can achieve, the homeowner could see a \$50 to \$200 drop in their homeowners insurance. Currently the city has a "4/4X" rating and the district has a "5/10" rating.

These concerns where noted during our 2015 ISO visit and long term goals have been established to try to work on these items as budget allows.



### **2017 in Review:**

**Neosho Area Fire Protection District**-The district continues to work with supporting the fire department. The district received their formal letter stating a new ISO rating for the district. The new rating went into effect October 1. The new rating is a “5/10” split. The “5” rating is areas within five road miles of an approved fire station and the “10” is areas outside the 5 mile area. This is a small area in the southeast corner of the district with a few small pockets to the northeast and southwest. The new Station 3 that the district funded is up and operational with a pumper, two tankers and a brush truck. A project in the works by the district is the purchase of a new brush truck and taking an older brush truck and converting it to a light duty rescue. This new smaller rescue will take the place of an existing rescue truck.

**Neosho Area Fire Protection District Grant Awards**-1-MDC grant was awarded to the district. It was a 50/50 matching grant where safety equipment and firefighting equipment was received. The grant totaled \$5,000, of which the district was responsible for \$2,500.00.

**Tri-State Fire Recruitment Alliance**-This program allows individuals interested in the fire service to test only one time per year for all departments participating in the program. There are

currently sixteen fire departments participating in the program. This allows us to have a set standard for testing and a hiring list when or if the need arises to hire personnel.

**Annual Pump Testing**-Annual testing of all apparatus pumps. All city apparatus passed testing with the exception of Engine 7. This Engine is our reserve pumper and currently is out of service for mechanical reasons not related to the pump testing. The pump failed the Vacuum/Suction test and is slowly decreasing its pump capacity rating. The cost of repairing vs. value of the apparatus is not cost prohibitive at this time. (Factors are: Cost to rebuild or replace-pump, motor, transmission, piping, valves plus the cab does not meet NFPA standards with it being an open cab configuration)

**Annual Ladder Testing**-Annual testing of all ladders. All ground ladders passed the inspection testing. Ladder 1 has some items noted that need to be addressed before it can be signed off.

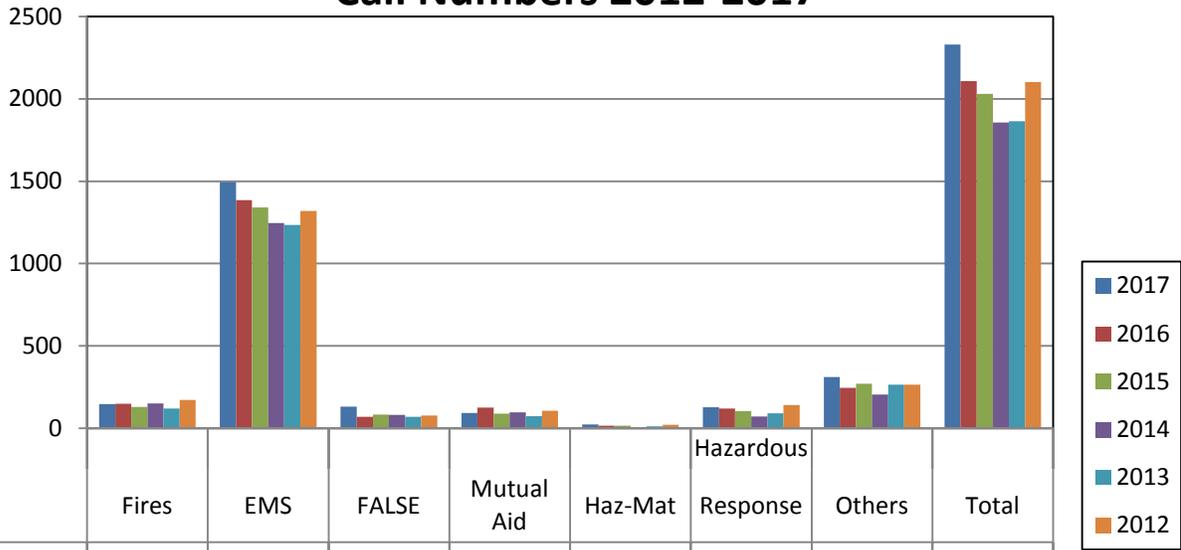
**Annual SCBA Testing**-All self contained breathing apparatus (SCBA) were tested. Some minor issues were found and corrected.

**Community Events**-Personnel assisted with several organizations for fund raising and community assistance programs. Newton County Fire Chiefs Christmas for Kids, Shop with a Cop, Food Basket Brigade, Neosho Christmas Parade, Neosho School System events, Newton County Relay for Life, Fourth of July activities, numerous other city and chamber events and filled numerous dunk tanks.

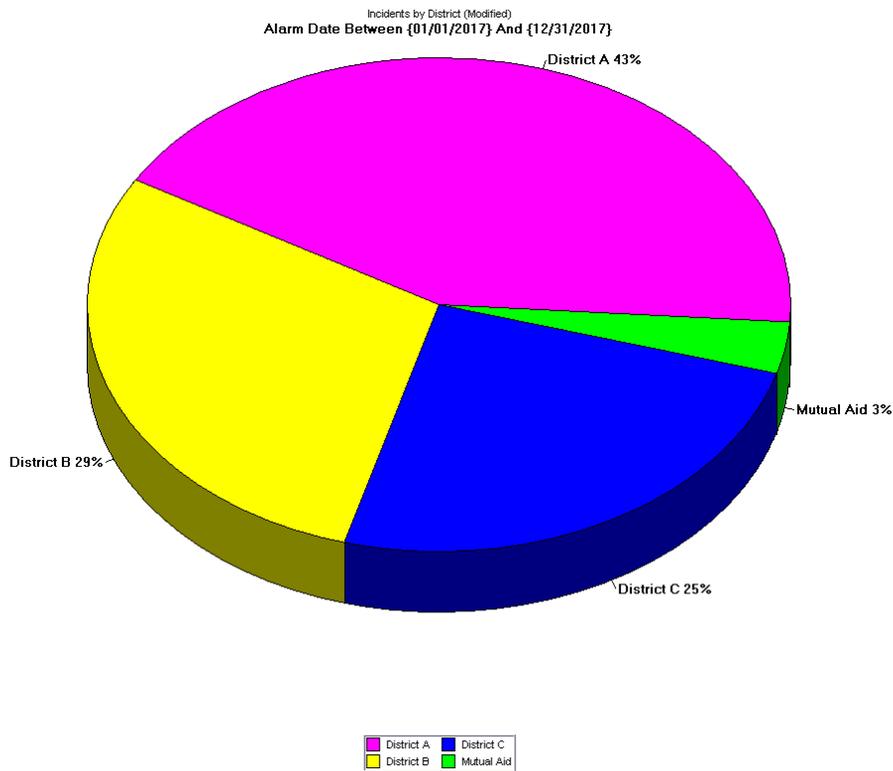
**Firefighter Training**-We continue to train all Firefighters to be Engineers so we have the flexibility to have enough operators of the apparatus to respond to structure fires. These changes will give us more flexibility in our operations and what we can offer. We continue to provide our firefighters with the needed training and work to bring in as much outside training as possible.

**Open House**-Our open house was again a great success. This was our fifth year to hold the open house during the City Fall Festival. The Chili cook-off went over very well again this year. The competition was opened up to other agencies, police, sheriffs, fire, public works and ambulance. This year the three shifts from the fire department and the Police Department competed. The Police Department won the chili completion for a second year. If you missed out, we will be back in 2018.

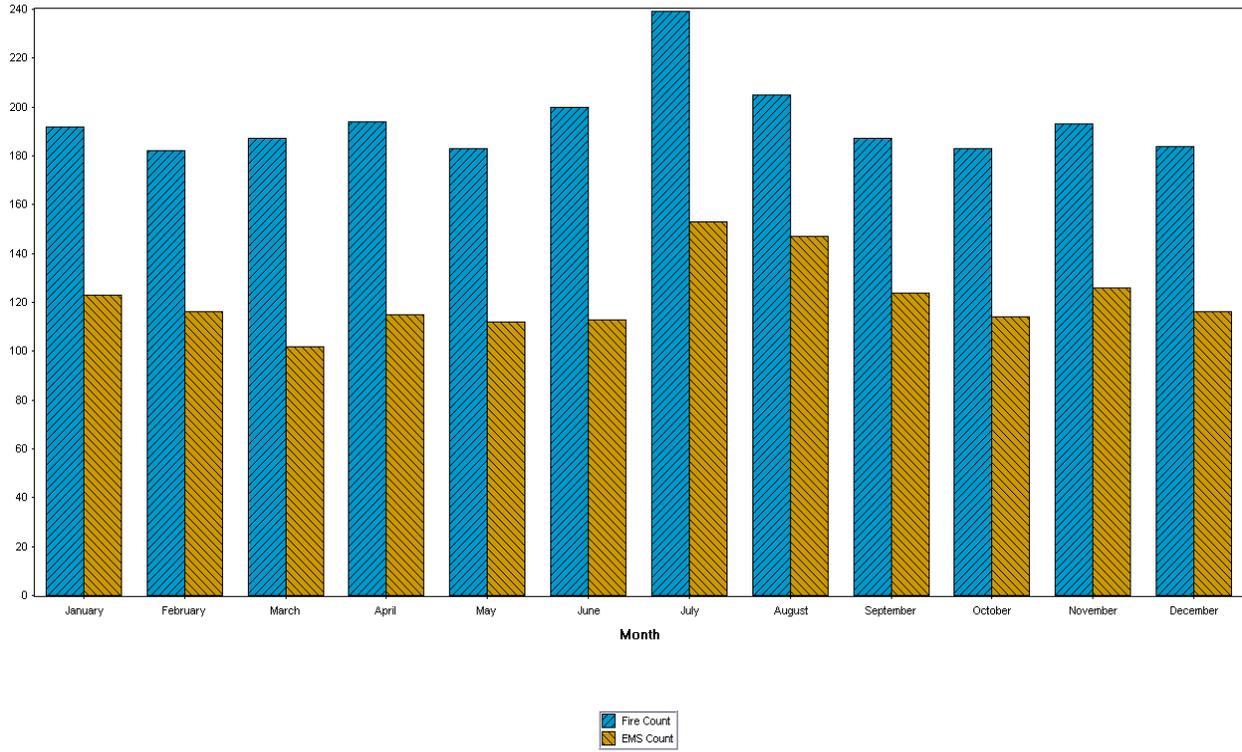
## Call Numbers 2012-2017



	Fires	EMS	FALSE	Mutual Aid	Haz-Mat	Hazardous Response	Others	Total
2017	147	1495	132	93	23	128	311	2329
2016	148	1385	69	125	15	119	246	2107
2015	129	1341	84	88	15	104	270	2031
2014	150	1246	81	96	6	72	205	1856
2013	119	1235	69	74	12	90	265	1864
2012	171	1319	77	106	22	141	265	2101



Fire vs EMS by Month  
 Fire Alarm Date Between {01/01/2017} And {12/31/2017}  
 EMS Alarm Date Between {01/01/2017} And {12/31/2017}



Incident Responses by Day of Week  
 Alarm Date Between {01/01/2017} And {12/31/2017}

