

Neosho Fire Department 2018 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 started pretty busy throughout the year. We had 2, 270 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 to maintain the high standard that you have come to expect and we wouldn’t want it any other way. 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 who live here and pass through our community.

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
Deputy Fire Chief Jim Ledford, jledford@neoshomo.org
Administrative Assistant Shelby Pringle, 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

2 Firefighters

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

**Fire Department Personnel Current staff
End of year 2018
(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. Phillip Doke (16)
FF Steven Hendrix (17)
FF Dustin Wright (18)

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. Travis Bracht (11)
Eng. Jacob Pim (11)
Eng. Heath Crowder (17)
Eng. Jeremy Clogston (17)
FF CJ Hutchens (17)
FF Colton Tuten (18)

Paid-per-Call

Firefighter Steffen Wiest (11)
Firefighter Wade Sterling (11)



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 Aerial-75 ft. (1996)
1 Light rescue (2008)
1 Command vehicle (DC) 2016
3 Service units-pickup trucks, & Air Unit (2001, 2005, 2005)
1 Inspector vehicle-Staff (2006)
1 Educational trailer (CARE)
1 Radio/Rehab vehicle (MDC-1992) (MDC surplus property)

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

| | 2018 | 2017 | 2016 | 2015 | 2014 |
|---------------------------|------|--------|--------|--------|--------|
| District A (981) = 43.21% | | 42.72% | 43.04% | 42.83% | 40.30% |
| District B (560) = 24.66% | | 29.06% | 27.85% | 26.73% | 26.02% |
| District C (625) = 27.53% | | 25.11% | 24.86% | 26.39% | 29.63% |
| Mutual Aid (104) = 4.58% | | 3.09% | 4.22% | 4.03% | 4.04% |

5 year average for Calls by District

City-District A 42.42% City-District B 26.86% District C: 26.70% Mutual Aid: 3.99%

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)

| | 2018 | 2017 | 2016 | 2015 | 2014 |
|-------------|-------|------|------|------|------|
| District A | 6.06 | 4:35 | 5:04 | 5:05 | 5.35 |
| District B | 6.08 | 6:32 | 5:48 | 5:48 | 7.12 |
| District C: | 10.43 | 9:32 | 9:33 | 9:37 | 9.30 |

5 year average for first arriving unit

City-District A 5.17 City-District B 5.50 District C: 9.55

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

| | 2018 | 2017 | 2016 | 2015 | 2014 |
|-------------|-------------|-------------|-------------|-------------|-------------|
| District A | 9.40 | 6:36 | 7:59 | 7:20 | 7.16 |
| District B | 6.08 | 7:20 | 7:00 | 5:45 | 7.12 |
| District C: | 11.43 | 10:31 | 9:44 | 10:27 | 10.27 |

5 year average for second arriving unit

City-District A 7.54 City-District B 6.57 District C: 10.34

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-981) | 1,363.15 man hours |
| District B (Calls for service-560) | 935.13 man hours |
| District C (Calls for service-625) | 1,644.11 man hours |
| Mutual Aid (Outside City and District 104 calls for service) | 295.21 man hours |

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

District A (Incidents-11) Average turn out per incident-8
 District B (Incidents-8) Average turn out per incident -7
 District C (Incidents-20) Average turn out per incident-9
 ISO recommends 10 personnel for structure alarms

5 year average turn out per incident

City-District A 8 City-District B 8 District C 8

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

| | |
|----------|--|
| January | District-17506 Northridge Dr.-\$60,000 |
| | City-3615 Beaumont St.-\$550,000 |
| | District-11322 Elk Ln.-\$1,118,500 |
| | City-736 Cherry St.-\$10,500 |
| | City-274 Hillcrest Dr.-\$14,000 |
| | District-18800 Noland Ln.-\$30,000 |
| February | City-1102 Skyline Dr.-\$235,000 |
| March | District-13305 Iris Rd.-\$14,000 |
| | District-12708 Marigold Ln.-\$35,000 |
| May | City-215 W. Hickory St.-\$50,000 |

| | |
|----------|---------------------------------------|
| June | District-18656 E. Highway 86-\$21,000 |
| July | District-11053 Poppy Dr.-\$80,000 |
| August | District-12640 Mallard Dr.-\$165,000 |
| November | City-1705 Ankney Dr.-\$50,000 |
| | District-17945 Highway D-\$10,000 |
| December | District-11597 Poppy Dr.-\$8,500 |
| | District-17717 Goldfinch Rd.-\$10,000 |

We responded to 47 calls for service that were logged as a fire (Structure, vehicle, etc.) and of that number we had an estimated dollar loss amount of \$2,557,260. 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 5,467.88 hours of in-house and outside department training. That breaks down to 188.85 hours of training per individual.

Community Training-70 hours of public education was performed during the year. 226 adults and 1,250 children participated in activities that consisted of extinguisher training, school fire prevention programs, fire safety talks for businesses, industry and the public.

Inspections-738 total inspections were done. 548 inspections where Pre-Plans, Business, Company, Industry, new construction, remodels, tent, fireworks, and burn permits. 190 where re-inspections preformed 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

2018 Personnel Levels (27 Full time FF's, 2 PPC FF's)
2 Chief Officers, 1 Admin. Assist, 1 Inspector, 3 Bat. Chiefs, 3 Captains,
12 Engineers, 6 Firefighters, 2 Paid Per Call Firefighters

The numbers above show our staff levels differences between 1999 and 2018. 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.



2018 in Review:

Neosho Area Fire Protection District-The district continues to work with supporting the fire department. The Fire District has a “5” rating within areas of five road miles of an approved fire station and the “10” in 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. This is an unmanned station. A project in the works by the district is the purchase of a new pumper and tanker in 2019, replacing some older apparatus.

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 fifteen 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 the annual pump testing. Engine 7 failed in 2017 and this unit has been taken out of service. No funding is available at this time to replace it.

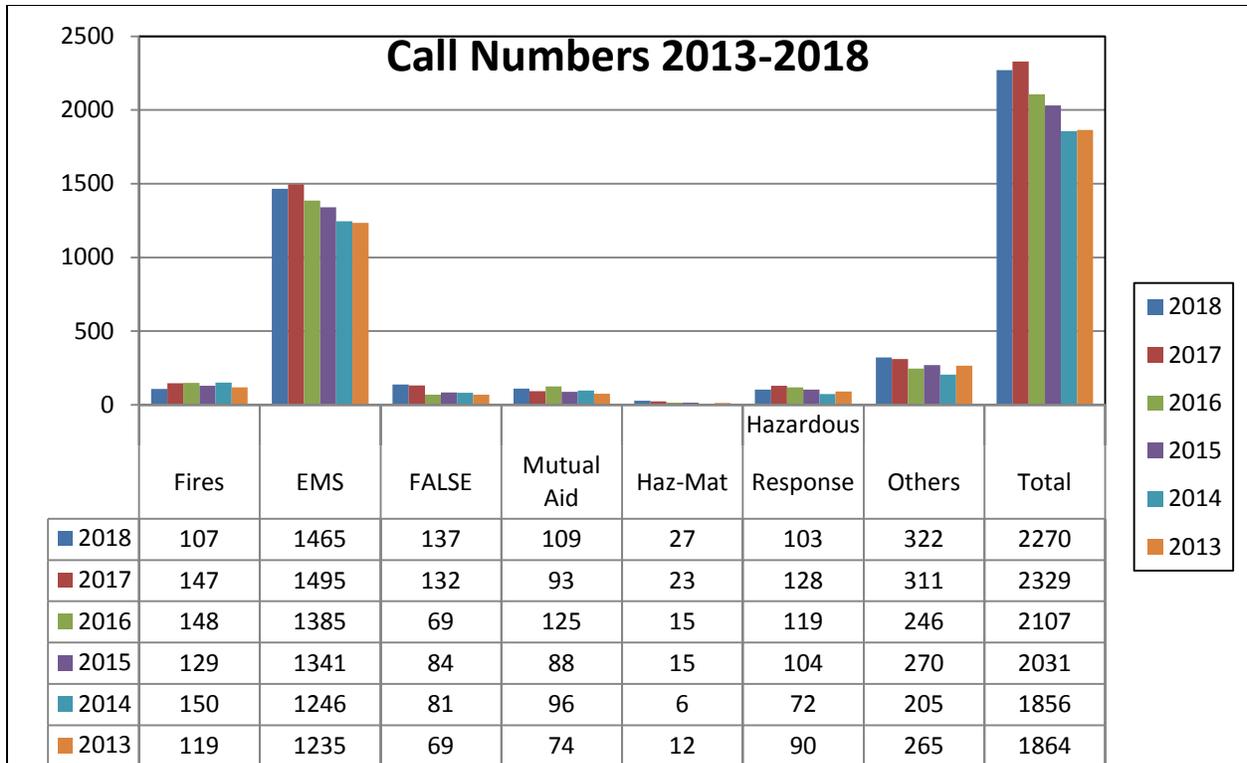
Annual Ladder Testing-Annual testing of all ladders. All ground ladders passed the inspection testing. Work has been done to Ladder One in the past few months and we hope this will help it pass the next inspection.

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.

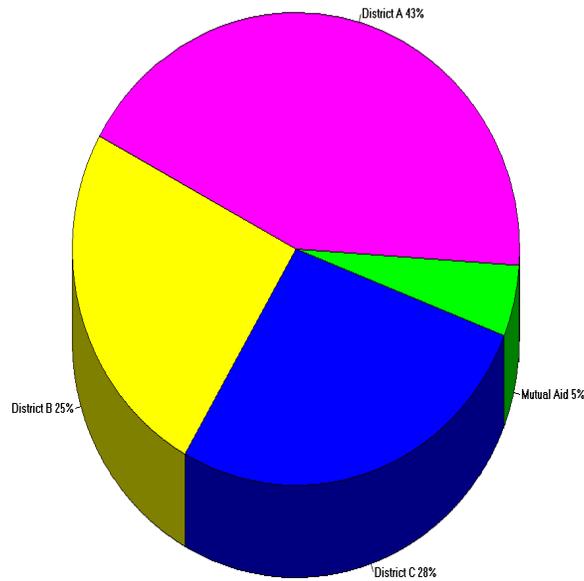
Firefighter Training-We continue to train all Firefighters to be Engineers so we have the flexibility to have enough operators of the apparatus to respond to structure fires. These changes will give us more flexibility in our operations and what we can offer. We continue to provide our firefighters with 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 sixth 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 between the Fire Department and the Neosho Police Department. The Fire Department won the chili completion this year. If you missed out, we will be back in 2019.

City Strategic Plan-The City is working on a long range strategic plan for all areas, including the fire service. It is our hope to show public our needs and to put goals on those needs over the long term. Currently input is being gathered from the citizens and from within the department. This will help us in putting together a plan in 2019.

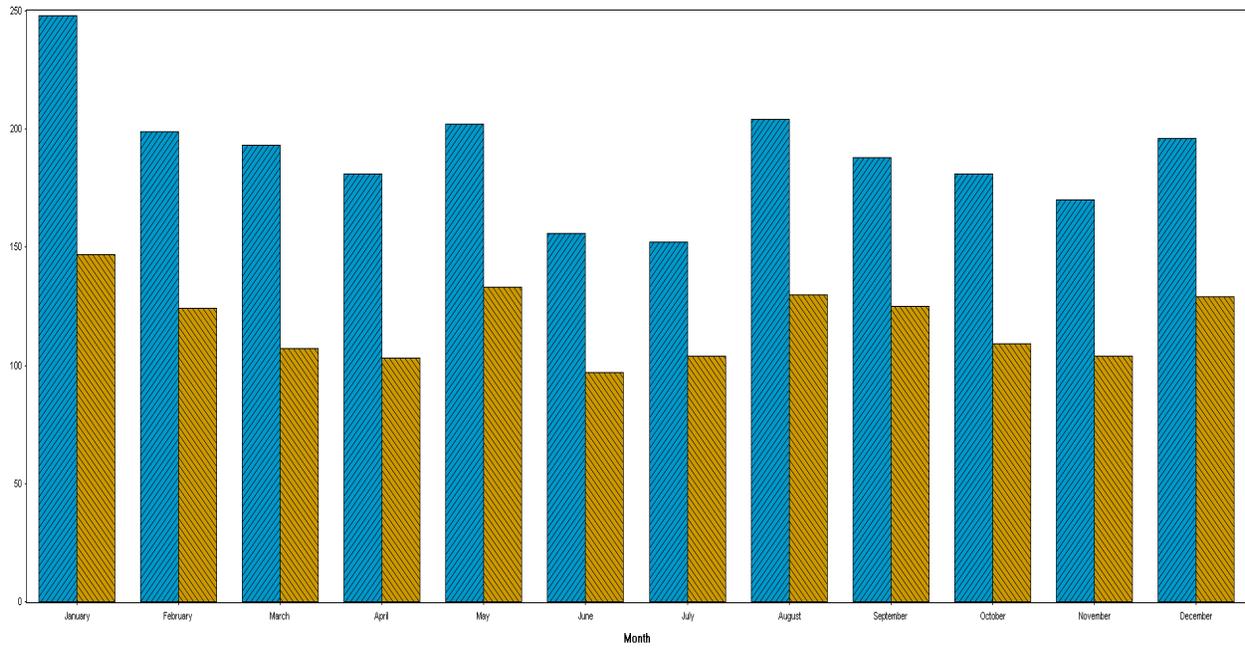


Incidents by District (Modified)
Alarm Date Between (01/01/2018) And (12/31/2018)



■ District A ■ District C
■ District B ■ Mutual Aid

Fire vs EMS by Month
 Fire Alarm Date Between {01/01/2018} And {12/31/2018}
 EMS Alarm Date Between {01/01/2018} And {12/31/2018}



Fire Count
 EMS Count

Incident Responses by Day of Week
 Alarm Date Between {01/01/2018} And {12/31/2018}

