

Neosho Fire Department 2016 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
emphases on
Dedication, Compassion, and Constant Improvement.*

Introduction

The Neosho Fire Department year started a little slow but we ended the year very busy with December being our busiest month. For the year, we had 2,107 calls for service. 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. I would also like to say “Thank You” to the members of the department, their families and fellow City employees that have sacrificed their personal lives to assist residents and visitors to our community and our department.

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 Mari Mallory, mmallory@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

**Fire Department Personnel Current staff
End of year 2016
(Year of Full Time)**

Administrative Staffing (40 hr)

Fire Chief Mike Eads (86)
Deputy Fire Chief Jim Ledford (97)
Administrative Assistant Mari Mallory (99)
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. Ryan Bogle (05)
Eng. Dustin Wright (11)
Eng. Jacob Guernsey (13)
FF Cody Bunch (14)
FF Phillip Doke (16)

B-Shift (24)

Bat. Chief Adrian Hitchcock (02)
Capt. Kyle Rogers (03)
Eng. Mark Solomon (02)
Eng. Beau Davis (05)
Eng. Heath Crowder (11)
Eng. Luke Powell (12)
FF Josh Anderson (15)
FF Brand Burns (16)

C-Shift (24)

Bat. Chief Bret Smith (91)
Capt. Derek Williams (16)
Eng. Bryan McCutcheon (01)
Eng. Wade Sterling (04)
Eng. Travis Bracht (11)
Eng. Jacob Pim (11)
FF Dakota Pendleton (14)
FF Lance Parsons (15)

Paid-per-Call

Firefighter Gregg Lee (77)
Firefighter Steffen Wiest (11)
Firefighter Derek Lawrence (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 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 (1992) (MDC surplus property)

District:

2 Engines (2009 & 1995)
1 Engine (Under construction-remount)
3 Tankers (2000, 2000, 2016)
3 Brush trucks (2001, 2006, 2009)
1 Light rescue (2005)
1 Command vehicle (Chief) (2009)
1 Flatbed trailer
1 Tanker (2009-Military) Build in progress (MDC surplus property)
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.

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. Shop personnel have also helped and or provided support in areas that we needed assistant with maintenance and repair of our apparatus.



Fire Department Response Information

Calls by District

	2016	2015	2014	2013	2012
District A (907) =43.04%		42.83%	40.30%	46.24%	45.26%
District B (587) =27.85%		26.73%	26.02%	25.96%	24.94%
District C (524) =24.86%		26.39%	29.63%	24.30%	26.27%
Mutual Aid (89) =4.22%		4.03%	4.04%	3.48%	3.52%

5 year average for Calls by District

City-District A 43.54% City-District B 26.30% District C: 26.29% Mutual Aid: 3.86%

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)

	2016	2015	2014	2013	2012
District A	5:04	5:05	5.35	5.32	5.12
District B	5:48	5:48	7.12	6.48	4.30
District C:	9:33	9:37	9.30	8.11	10.12

5 year average for first arriving unit

City-District A 5.18 City-District B 5.77 District C: 9.25

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

	2016	2015	2014	2013	2012
District A	7:59	7:20	7.16	6.30	6.26
District B	7:00	5:45	7.12	7.48	5.36
District C:	9:44	10:27	10.27	9.18	10.49

5 year average for second arriving unit

City-District A 6.90 City-District B 6.48 District C: 9.93

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-907)	1,323.75 man hours
District B (Calls for service-587)	897.38 man hours
District C (Calls for service-524)	1,420.56 man hours
Mutual Aid (Outside City and District 89 calls for service)	377.56 man hours

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

District A (Incidents-9)	Average turn out per incident-8
District B (Incidents-5)	Average turn out per incident -8
District C (Incidents-11)	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
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Major structure incidents, with over \$5,000 fire department estimated loss:

January	City-401 W. Coler St-\$20,000
	District-14813 Hammer Rd-\$20,000
	District-18582 E Hwy 86-\$84,000
March	District-13334 Mallard Dr-\$65,000
May	City-5725 Howard Bush Dr-\$600,000
October	City-702 N. College St-\$18,000
December	City-422 W. McCord St-\$6,000
	District-10633 Poppy Dr-\$35,000
	City-512.5 E. McKinney St-\$25,000

We responded to 37 calls for service that were logged as a fire (Structure, vehicle, etc.) and of that number we had an estimated dollar loss amount of \$1,071,160. 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

1-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 4,849.86 hours of in-house and outside department training. That breaks down to 151.56 hours of training per individual.

Community Training-62.25 hours of public education was performed during the year. 109 adults and 750 children participated in activities that consisted of extinguisher training, school fire prevention programs, fire safety talks for businesses, industry and the public.

Inspections-644 total inspections were done. 470 inspections where Pre-Plans, Business, Company, Industry, new construction, remodels, tent, fireworks, and burn permits. 174 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.

1999 Personnel Levels	2004 Personnel Levels	2015 Personnel Levels
2 Chief Officers*	2 Chief Officers**	1 Chief Officer***
1 Admin. Assist.	1 Admin. Assist.	1 Admin. Assist.
1 Fire Inspector*	1 Sec.	1 Inspector***
3 Captains*	1 Building Inspector**	3 Bat. Chiefs***
3 Lieutenants*	1 Training Officer**	3 Captains***
12 Engineers*	3 Captains**	12 Engineers***
8 Paid per call Firefighters	3 Lieutenants**	6 Firefighters***
	12 Engineers**	5 Paid per call Firefighters
	6 Firefighters**	1-Funded Training Officer***
	8 Paid per call Firefighters	(Approved for 2015/2016)
21 Fulltime Firefighters*	28 Fulltime Firefighters**	27 Fulltime Firefighters***
8 PPC Firefighters	8 PPC Firefighters	5 PPC Firefighters
2 Stations	2 Stations	2 Stations

The numbers above show our staff levels differences between 1999 and 2015. 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, pre-planning 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 “9” rating. (The District is waiting on results for their re-rating review)

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



2016 in Review:

Restructuring of personnel within the department-With the starting of the 2015/2016 budget year, council approved us splitting the duties of Training Officer and Inspector. After the first of the 2016 year, a new Training Officer was hired but by the middle of the year we were once again looking for a new Training Officer. We reevaluated our needs and purposed to council for the 2016/2017 year to hire a new Deputy Chief. Part of the Deputy Chiefs duties was to oversee our training needs. With Council approval we were able to promote from within and this position was filled at the end of 2016.

Neosho Area Fire Protection District-The district continues to work with supporting the fire department. The district is awaiting a new ISO rating for the district area. The new Station 3 that the district funded is up and operational. Right now it has 1 brush truck and 1 tanker being housed there but unfortunately it is not a manned station. A pumper will be placed there once a new remount of a current pumper is complete. The district received a military surplus truck and it is currently being built as a tanker. We hope to have it completed and in service by the summer of 2017. An older pumper is also being remounted. When complete it will have a new chassis under it with the box and pump having been refurbished. This unit should be in service by the summer of 2017.

Neosho Area Fire Protection District Grant Awards-The district received several grants in 2016.

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 \$5,982, of which the district was responsible for \$2,523.40.

2-Enbridge Safe Community Program grant for \$892 went toward the purchase of a 5 gas monitor.

3-FM Global Fire Prevention Grant for \$1,750 is going toward the purchase of I-pads and software. Information on these devices will be: pre-plans, inspections and hydrant location information and can be carried on the apparatus to calls.

4-Firehouse Subs Public Safety Foundation awarded the district a grant for \$15,396 which went toward new AED units and Pulse Ox meters. These devices will help with medical calls.

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 seventeen 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)

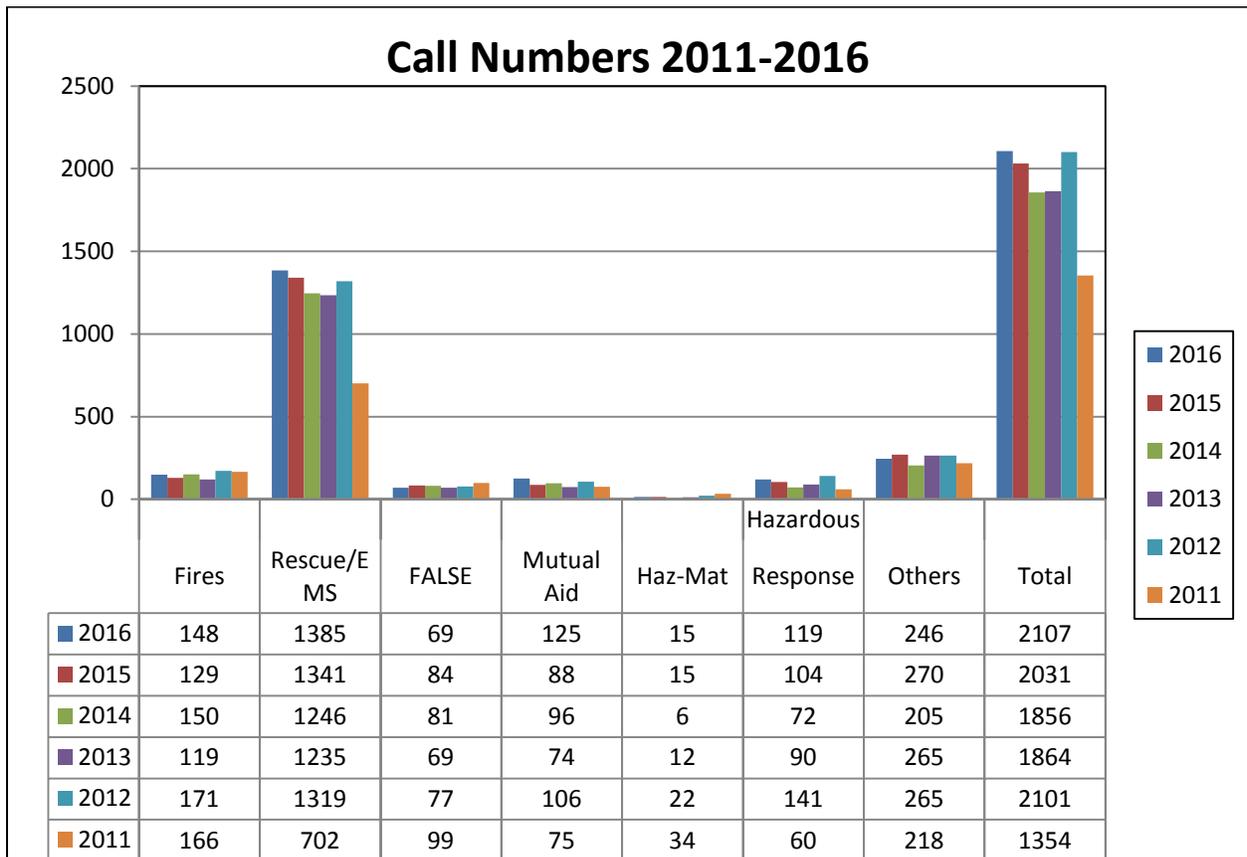
Annual Ladder Testing-Annual testing of all ladders. All ladders passed the inspection testing.

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

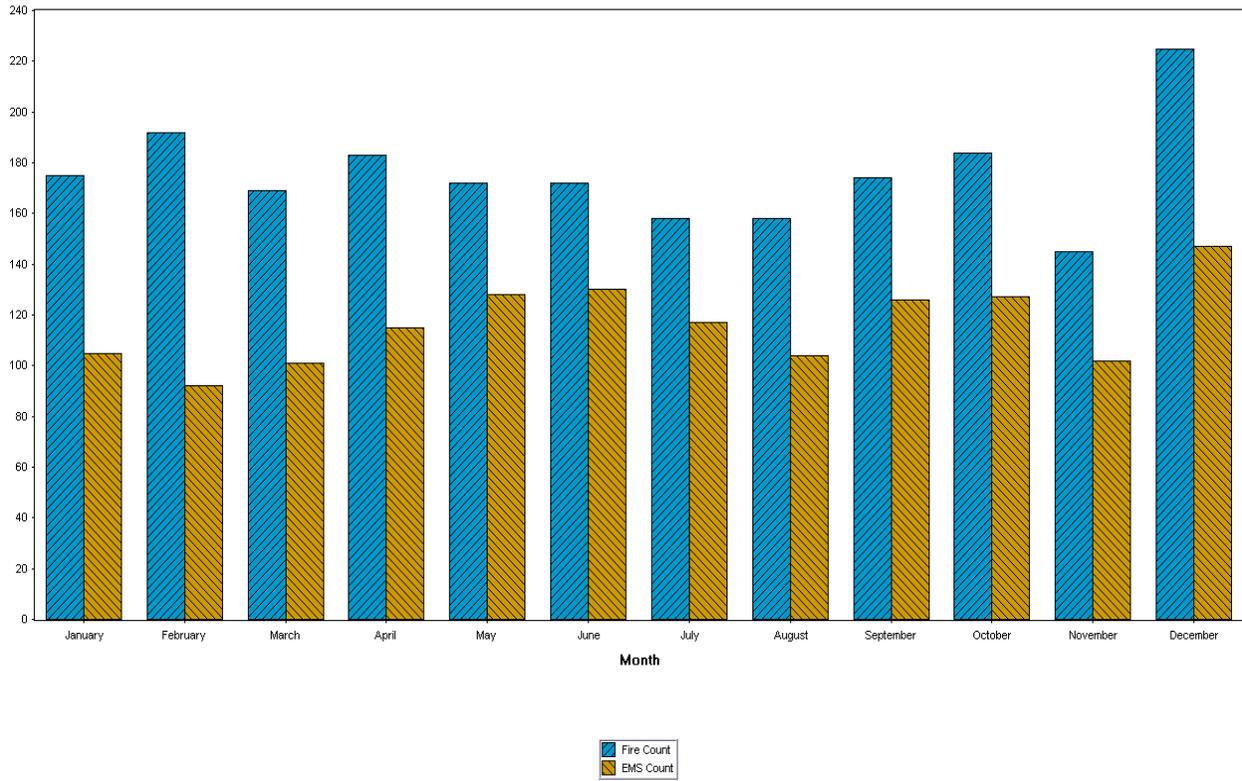
Community Events-Personnel assisted with several organizations for fund raising and community assistance programs. Children's Miracle Network, Newton County Fire Chiefs Christmas for Kids, Shop with a Cop, Food Basket Brigade, Neosho Christmas Parade, Neosho School System events, Newton County Relay 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.

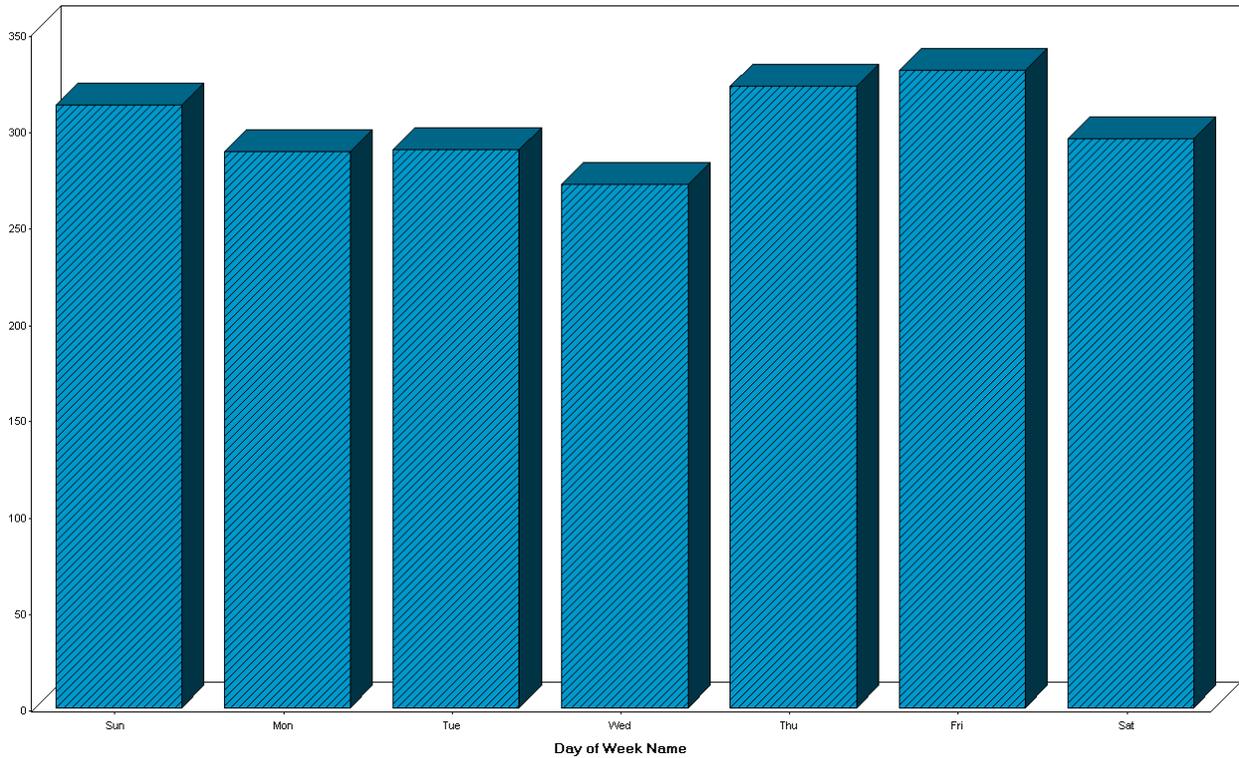
Open House-Our open house was again a great success. This was our fourth year to hold the open house during the City Fall Festival. The Chili cook-off went over very well again this year. The competition was opened up to other agencies, police, sheriffs, fire, public works and ambulance. This year the three shifts from the fire department and the Police Department competed. The Police Department won the chili completion this year. If you missed out, we will be back in 2017.



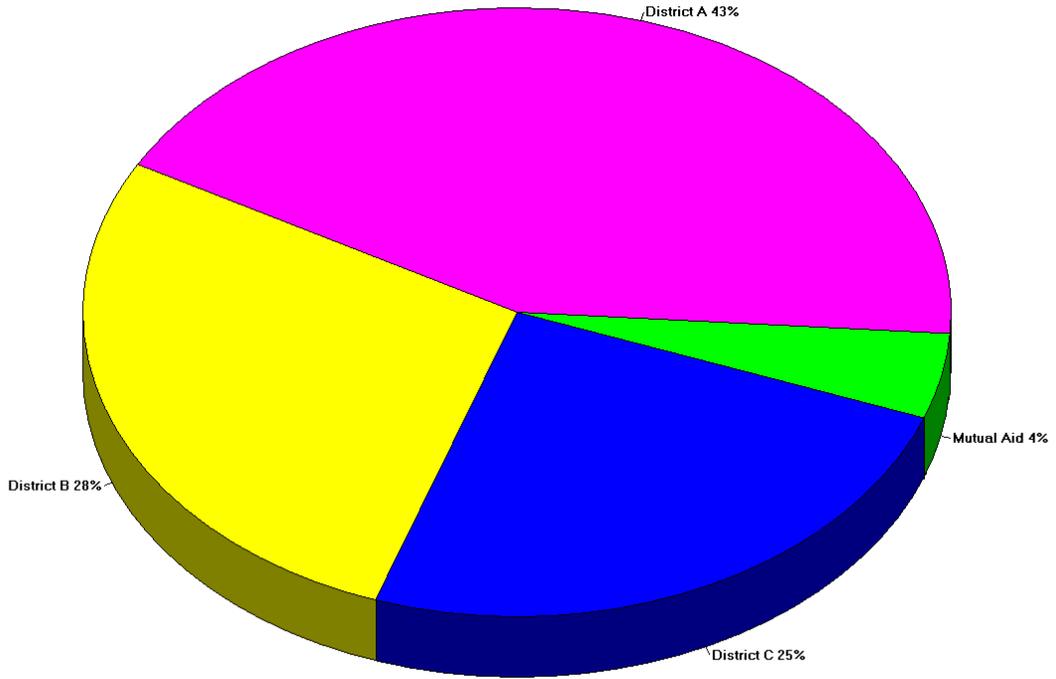
Fire vs EMS by Month
 Fire Alarm Date Between {01/01/2016} And {12/31/2016}
 EMS Alarm Date Between {01/01/2016} And {12/31/2016}



Incident Responses by Day of Week
 Alarm Date Between {01/01/2016} And {12/31/2016}



Incidents by District
Alarm Date Between {01/01/2016} And {12/31/2016}



Count of Incidents by Alarm Hour
Alarm Date Between {01/01/2016} And {12/31/2016}

