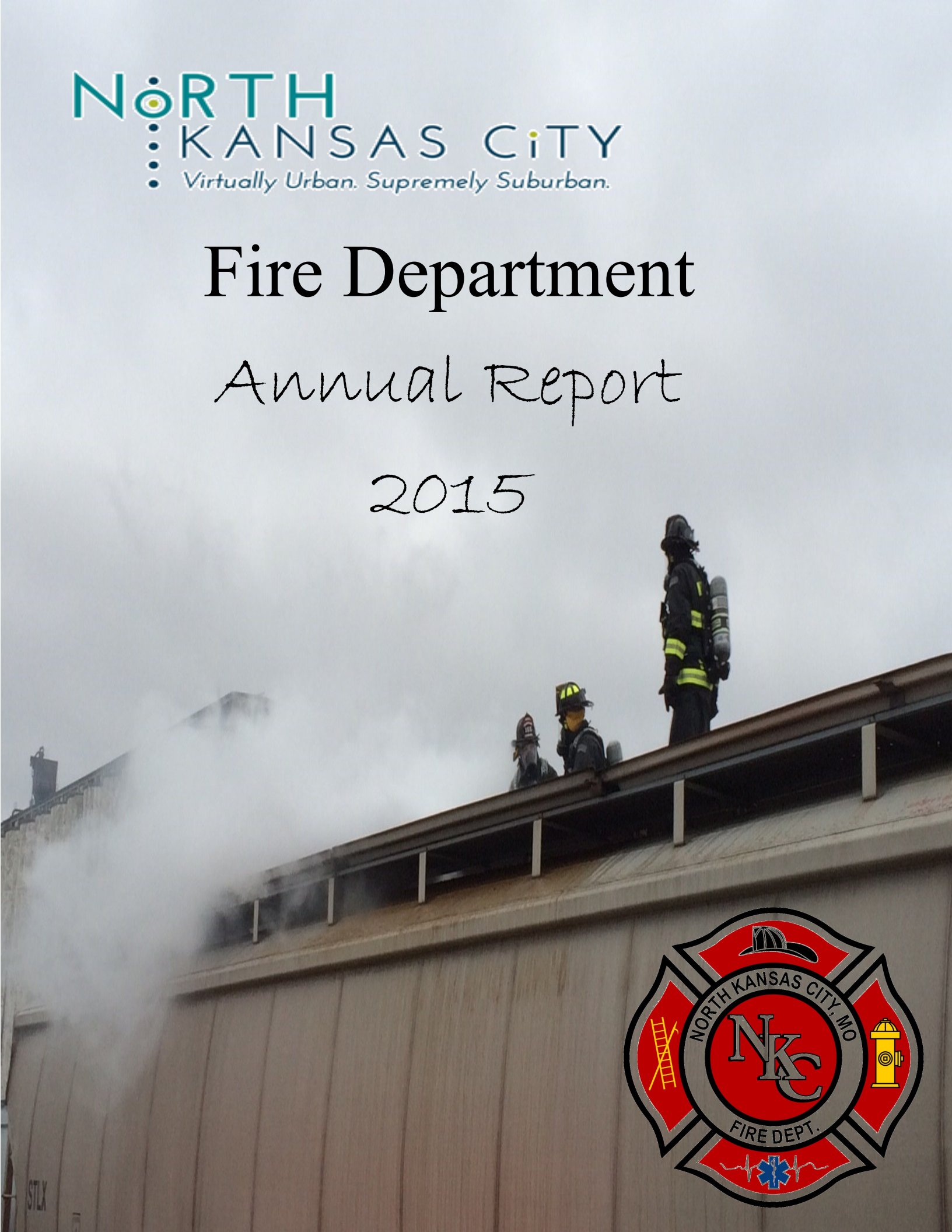


NORTH
KANSAS CITY
Virtually Urban. Supremely Suburban.

Fire Department

Annual Report

2015





Greetings-

I am pleased and proud to present North Kansas City Fire Department's Annual Report, a summary of our activities for 2015. I hope you will find the information in this report informative and interesting. This past year was an exciting one for the fire department.

Probably one of the most notable events of last year was the receipt of a new 105' ladder truck. Costing \$1.1m, the new apparatus is state of the art, with advanced foam systems and multiple technologies. The truck has a "platform" on the end of the ladder to enhance the safety of the firefighters and victims and expands the capabilities of rescue operations. This new apparatus will last 15-20 years.

We also put a new state of the art ambulance in service last year. This unit moves away from the larger chassis to a smaller truck chassis. The new chassis results in better reliability, lower maintenance, and a much improved ride for our patients. The change provides for approximately \$25,000 in savings in initial purchase costs.

We continue to look for ways to partner with community organizations. The department hosted the Rotary breakfast on Snake Saturday. This event brings hundreds of citizens into our station and provides a major fundraising opportunity for Rotary. The department is also a strong supporter of the North Kansas City Business Council, hosting a monthly luncheon at the station and supporting their annual "Big Event" fundraiser.

The department provided a number of extinguisher training classes, free smoke detectors and CPR classes for individuals and businesses in North Kansas City. We continue to be a regional leader in child car seat training and installations, having installed over 400 child car seats in 2015.

The department was successful this past year in receiving \$60,000 in grants from the Department of Homeland Defense. These grants will provide for training and equipment to improve firefighter safety. They also provide for emergency planning efforts.

And finally, our sincere thanks to the City Administrator, Mayor and Council for their support and guidance, without which we would be unable to provide our high level of service. On a more personal note, I want to thank the 59 professional men and women of the North Kansas City Fire Department for the outstanding work they do every day for you, our neighbors and friends.

Yours in Service,

Operations Division

The Operations Division is comprised of fifty-one (51) personnel working three alternating 24 hours shifts out of two (2) stations. The Operations Division is also responsible for all emergency and non-emergency response activities including:

Emergency medical service

Fire suppression

Hazardous materials

Public Assistance

Technical rescue

The coverage area is configured into three districts. Equipment is deployed to deliver initial fire attack and EMS services with a 5 minute average response time. A standard first-alarm assignment for structure fires consists of two engine companies, a ladder truck company, two advanced life support (ALS) ambulances and a Battalion Chief, for a minimum of 15 people. A second-alarm would add a response by our mutual aid partners, Kansas City, Gladstone, and Riverside Missouri Fire Departments.

Daily emergency response staffing consists of a minimum fifteen (15) career fire personnel on a 24 hour shift assignment, operating five (5) pieces of first-line apparatus, and one (1) Battalion Chief command vehicle, operating from two (2) fire stations. All front line engines are staffed with a minimum of three (3) personnel, a Captain, Engineer, and Firefighter, one of which is certified as a paramedic allowing each engine to be Advanced Life Support (ALS) capable. The ladder is staffed with a minimum of four (4) personnel.

All trucks are equipped with the “jaws of life” and other extrication equipment and rescue personnel are trained in the rapid extrication of individuals trapped in vehicles. They also are trained in Rope Rescue and response to hazardous materials incidents. The department has ten (10) Hazardous Materials technicians.

All operations personnel are National Incident Management System (NIMS) compliant and follow the Incident Command System on all working incidents. As safety is a key element for the department, the first position created after the Incident Commander position is a Safety Officer.

Equipment:

STATION #1

2015 Pierce 100’ Aerial Ladder Platform 1500gpm W/Compressed Air Foam System (CAFS)

2014 Pierce Impel Engine 1500gpm w/ Compressed Air Foam System (CAFS)

2012 Horton ALS Ambulance

STATION #2

2009 Pierce Velocity Engine 1500gpm

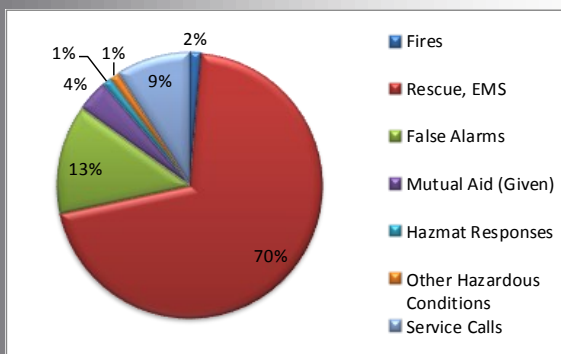
2015 Horton ALS Ambulance

Our 90% fractile response time for all units, all calls, was 6 minutes and 40 seconds.

Our 90% fractile turnout time was 2 minutes and 40 seconds.



HazMat Training at CCP



Total Responses	1892
Rescue, EMS	1361
Fires	26
Mutual Aid (Given)	73
HazMat Responses	22
Other Hazardous Conditions	21
Service Calls	139
False Alarms	250

EMS Division



The North Kansas City Fire Department (NKCFFD) continues to serve the citizens of North Kansas City by providing excellence in customer service and improvements in medical care and transportation of patients to local area hospitals. NKCFFD is a leader in providing best practice pre-hospital care to the sick and injured in their critical time of need. The division deploys highly trained paramedics, in top of the line vehicles, with state of the art equipment to mitigate medical emergencies. In 2015 NKCFFD responded to 1361 emergency incidents. There are 2 full-time, staffed Paramedic units, and all of our fire trucks have Advanced Life Support (ALS) equipment.

Runs by City

City	# of Runs	% of Runs
AVONDALE	18	1.32%
GLADSTONE	4	0.29%
KANSAS CITY	32	2.35%
North Kansas City	1305	95.89%
Riverside	2	0.15%
Unknown	0	0.00%
Total	1361	100%

Runs by Response Request

Response Request	# of Times	% of Times
911 Response (Scene)	1135	83.39%
Emergency Transfer / Interfacility Transfer (Unscheduled)	69	5.07%
Flagdown/Walk-in Emergent	1	0.07%
Flagdown/Walk-in Non-emergent	2	0.15%
Mutual Aid	3	0.22%
Non-Emergency Transfer / Interfacility Transfer (Scheduled)	146	10.73%
Standby	2	0.15%
Unknown	3	0.22%
Total	1361	100%

Times of Call

Time Period	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Total	Percentage
0000 - 0300	16	15	13	15	12	15	24	110	8.08%
0300 - 0600	20	8	8	6	10	7	10	69	5.07%
0600 - 0900	11	18	21	19	15	20	14	118	8.67%
0900 - 1200	19	41	34	31	25	36	24	210	15.43%
1200 - 1500	25	40	51	43	36	34	35	264	19.40%
1500 - 1800	21	37	52	37	43	49	30	269	19.76%
1800 - 2100	23	40	27	21	20	21	28	180	13.23%
2100 - 2400	16	20	15	18	24	21	27	141	10.36%
Unknown	0	0	0	0	0	0	0	0	0.00%
Total	151	219	221	190	185	203	192	1361	100%



A Shift



B Shift



C Shift



NKCFD Mission Statement

To enhance our community's quality of life by providing life safety, property/ environmental preservation, and emergency management through professional prompt response, training and community education



Chief G Fisher

Administrative Staff



BC D Dollins



BC D Hargis



BC R Wagoner



BC M Jenkins



BC G Hook



L Stringer

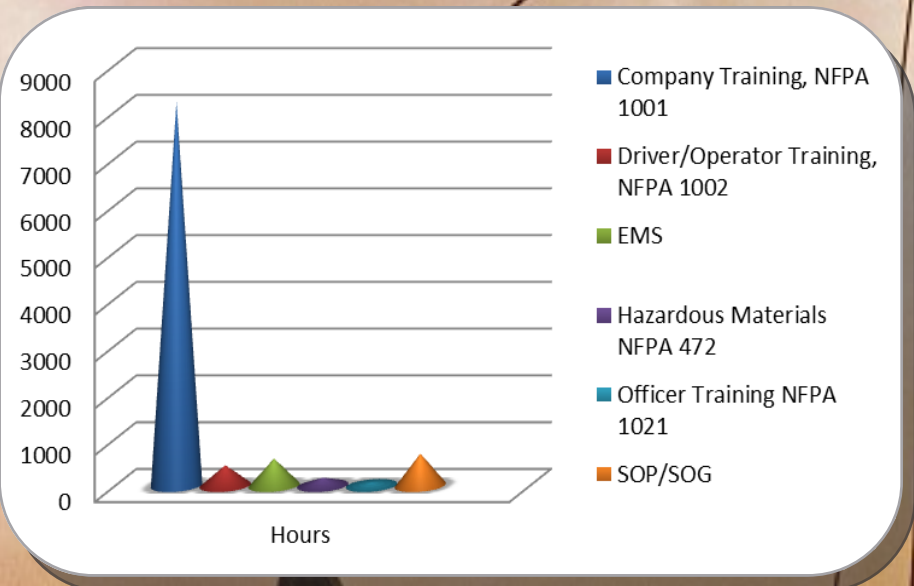
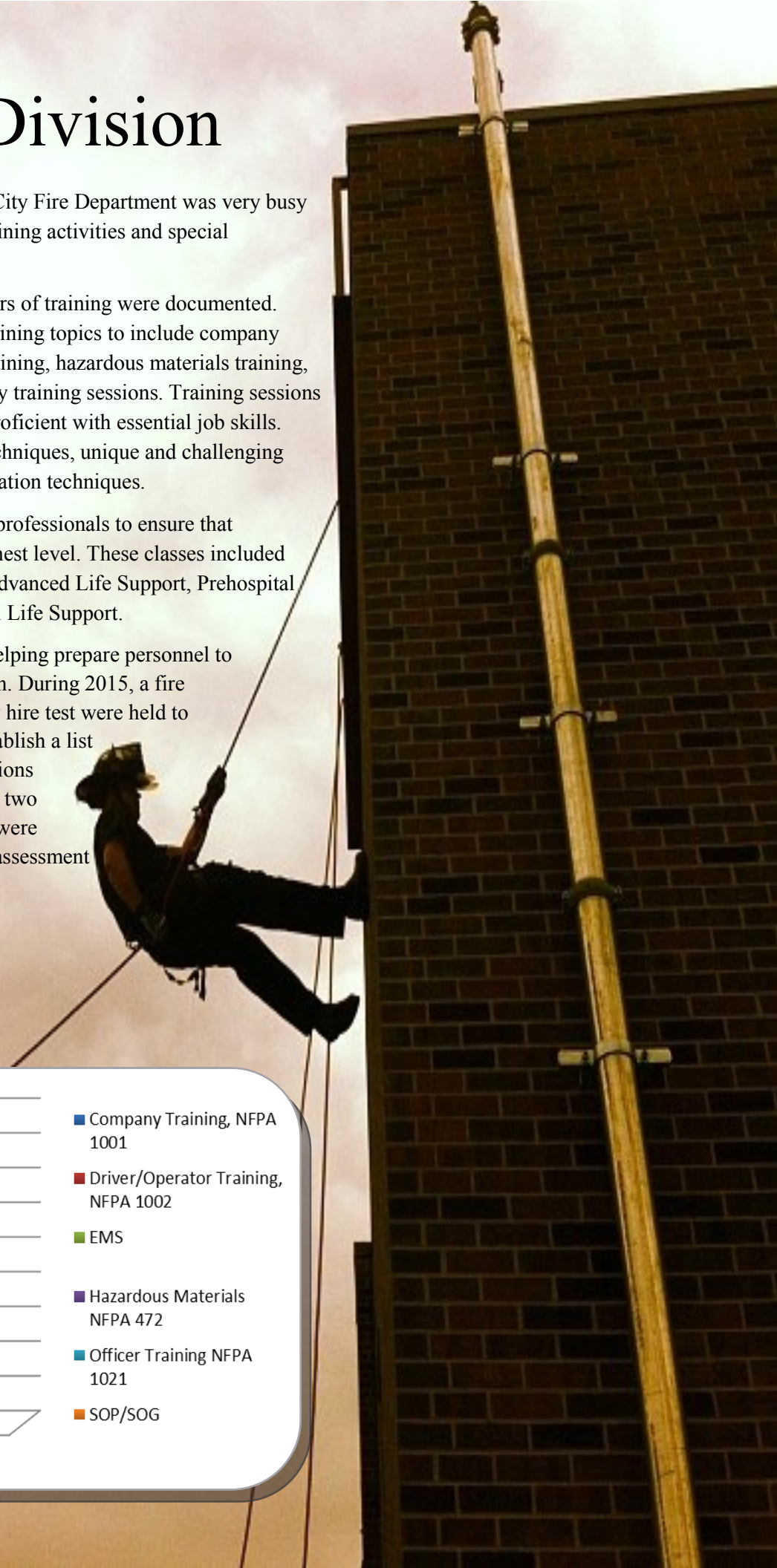
Training Division

The Training Division of the North Kansas City Fire Department was very busy in 2015. The year was filled with various training activities and special educational classes that personnel attended.

Over the course of the year, over 10,149 hours of training were documented. This training encompassed a multitude of training topics to include company drills, driver training, emergency medical training, hazardous materials training, officer and recruit training alike and specialty training sessions. Training sessions are scheduled to make sure personnel stay proficient with essential job skills. These skills included modern firefighting techniques, unique and challenging medical skills and hazardous materials mitigation techniques.

Personnel attended courses offered by local professionals to ensure that emergency medical skills are kept at the highest level. These classes included Advanced Cardiac Life Support, Pediatric Advanced Life Support, Prehospital Trauma Life Support and Advanced Medical Life Support.

The training division is highly involved in helping prepare personnel to take on new positions within the organization. During 2015, a fire apparatus engineer promotional test and new hire test were held to promote personnel to the next level or to establish a list of eligible candidates to promote when positions become available over the course of the next two years. Prior to the promotional test, classes were delivered to help candidates prepare for the assessment process.



Fire Prevention & Education



The Fire Prevention Bureau is staffed by experienced, full-time personnel. The Bureau is responsible for a wide range of activities that make a community a safer place in which to work, shop and live. These activities include fire safety inspections, commercial plan review, fire safety education, and fire investigations. The Bureau is charged with conducting fire and life safety inspections to protect our community and the lives of our citizens through Education, Engineering and Enforcement of the laws and regulations governing life safety.

Fire Safety Inspections: NKCFD conducts fire safety inspections throughout the year. Pre-fire planning walkthroughs are also conducted by in-service fire companies. A strong effort is made to have every business in the city inspected annually by an NKCFD inspector. The purpose of these inspections is to identify and correct hazardous conditions before they cause a fire or otherwise create a problem. These inspections are how we help to ensure the properties are maintained, exit doors are unlocked and operable, and safety issues are addressed.

Commercial Plan Reviews: Commercial Plan Reviews are performed on all construction projects in the city to ensure they meet the requirements of City codes(IFC 2012). NKCFD reviews all site plans, commercial construction plans, commercial remodels, fire protection plans, and plans for the installation of storage tanks. The goal is to identify and correct problems while they can be easily and inexpensively corrected. Members of the NKCFD Fire Prevention office will perform inspections on projects frequently during the construction phase.

Fire Safety Education: Fire safety Education is an important part of the overall duties assigned to the NKCFD Fire Prevention Division. They develop and coordinate a variety of public education and training programs that are used in the community. Firefighters conduct station tours of their stations, as well as presenting educational programs to all ages.



Smoke Detector Installations	42
Fire Inspections	582
Certificate of Occupancy Inspections	97
Plan Review	162
Preplans	42
Operational Permits	25
Public Education Events	13
Car Seats Installation	419

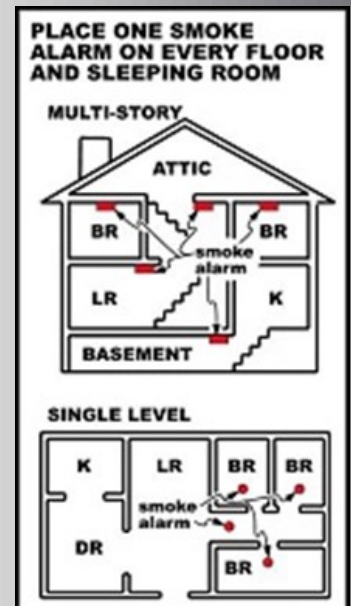
The North Kansas City Fire Department currently offers free smoke alarms to anyone that needs them. These smoke alarms can be obtained by calling 816-274-6025 and scheduling an appointment for an installation. Some alarms are installed in North Kansas City residences free of charge.

Smoke Alarm Importance:

Having a smoke alarm is important, however, it is also imperative that you test the alarm twice a year. Between 2000-2010, 65% of fire fatalities occurred in houses without smoke alarms. Never disable a smoke detector simply because it has a low battery or because it is in fault. Always replace a Smoke alarm promptly or call the Fire Department for assistance.

Installation and Upkeep:

Remember to change your detector battery when you change your clock twice a year unless it is a fully protected 10 year battery, then you test twice a year. A smoke alarm will typically last 5-7 years. When the sealed battery type of Smoke Alarm does not pass test it should be replaced immediately. Homeowners should install smoke alarms on every level of the home, including the basement and in every bedroom. The alarm can be placed on the ceiling or at a point on the wall as close to ceiling as possible, however, it is recommended that it be placed on ceiling. The alarm should be no less than 6 inches from corners.



Capital Improvements



Emergency Generator at Fire Station # 2

Station #2 had an emergency generator installed that went online in January 2015. The Generator is powered by natural gas and is capable of running the entire fire station. This keeps the station operational during power outages from weather, manmade events, etc.

The generator switches automatically when there is a power outage and is exercised every Sunday morning to ensure its readiness.

The generator is capable of producing 150 KW of power, supplying 400 amps.

Cost \$98,245.00 installed.



Tornado Shelter at Fire Station # 2.

Since Fire Station # 2 was constructed without a basement there is limited protection for firefighters in a severe weather event.

In January 2015, a tornado shelter was installed that will provide shelter for up to 6 persons seated and 10 persons standing. This gives firefighters a safe place to go in the event of a tornado and also allows patrolling police officers an option for protection should they be caught in the area during a tornado.

This shelter is built in excess of FEMA standards and will survive a 250 MPH impact on the door without failing.

This same type shelter survived the F5 Joplin tornado.

This shelter is made from heavy gauge steel external panels with a structural steel tubing frame. The interior features battery operated lighting; a bench seat and an escape hatch for use in the event that debris would block the exit door.

The door features 4 stainless steel locking pins to secure the door from the inside

The shelter is secured into the concrete floor of the station with 14 epoxy sealed bolts threaded into the floor.

Shelter cost was \$ 5635.00





Aerial Ladder Truck (Ladder 4) - In October 2015 the City took possession of a Pierce 100 foot aerial ladder. This replaces the Fire Department's 1998 E-One aerial ladder. The new aerial is much more efficient and new technological advances greatly improve firefighter safety. This apparatus will greatly improve our rescue/suppression mission in multi-story structures, not only in North Kansas City but also neighboring communities through mutual aid agreements. The City purchased the aerial ladder at a cost of \$1,123,578.46.



Thermal Imaging Cameras (TIC) - We purchased four (4) Bullard Eclipse LDX Imagers. Dollar for dollar, TICs are one of the most cost effective pieces of equipment on the fire ground. They are utilized across all aspects of fire department operations, from search and rescue to rapid intervention teams to Hazmat operations. They are essential for firefighter and civilian safety. By replacing our current models we are able to take advantage of ten years of technical advances as well as increased reliability.

Self-Contained Breathing Apparatus (SCBA) and Breathing Air Compressor- In July 2015 the City replaced the Fire Department's 2004 2216psi SCBA with new 2015 4500psi MSA-G1 SCBA and their 1999 5,000psi breathing air compressor with a 2015 Bauer 6,000psi unit. These purchases were made utilizing a Federal Emergency Management Agency (FEMA) Grant. This Assistance to Firefighters Grant (AFG) paid \$222,417.80 leaving the city's portion at \$11,706.20. The new SCBA conform to the latest (2013) NFPA safety standards and are more ergonomically designed. This will enhance firefighter safety while reducing injuries and fatigue. The new compressor allows efficient filling of the larger capacity bottles. Both purchases allow the City's Fire Department to perform its mission with the newest, safest most efficient equipment available.



Scheduling- Continuous improvements to our web-based scheduling and automated callback system (Crewsense.com) have allowed the fire department to design daily schedules, fill personnel shortages, select vacation time, initiate emergency callbacks and send out communications to all department members in a timely and cost efficient manner.



NKCFD has been serving the citizens of this community since 1912

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In the fire service, your work mates are like family. You spend 24 hour shifts together and you trust each other with your life...literally. While the mission remains, some of the faces change.

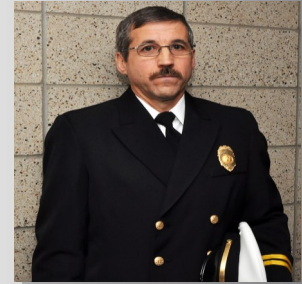
The people in this organization are the finest, bar none. That's why NKCFD is not only a great place to work, but also a great family.

Best of luck to those who left us and those who joined us this year. We are thankful for the service given and the service to be given.

Retirements



David Dollins
Fire Marshal
37 years



Dennis Sherry
Captain
29 years



Al Stemmerman
Fire Apparatus Engineer
20 years



Scott Crain
Fire Apparatus Engineer
26 years

New Faces



Scott Phillips



David
Selleck



Jason Miller



Creston Witte



Tony Ramirez