

CITY OF NEWARK
DEPARTMENT OF PUBLIC SAFETY
DIVISION OF FIRE & EMS



2015 YEAR-END REPORT

JANUARY 19, 2015

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Letter from the Chief



The Newark Fire Department experienced several very positive changes in 2015 and continues to be accredited through the Commission on Fire Accreditation International (CFAI). Despite a difficult fiscal situation, a wonderful working relationship with city officials has continued to move the fire department forward. We have officially moved into the much needed new downtown fire station. This building was efficiently designed and built with state of the art technology, which will help provide the level of service that the community needs and expects. We have hired four firefighters this year; one was funded through the personnel budget and three were funded through the Staffing for Adequate Fire and Emergency Response Grant (SAFER). A new website (www.newarkohiofire.org) and a Twitter account (@NewarkOHFire) were developed to share information to the public.

We continue to be creative in every way to guarantee that the current level of service can continue. Through our records management system, we are able to provide metric based data that allows a detailed look at what the community has been requesting, and make adjustments to provide more effective and efficient service. Data also assists in critical decision making when placing emergency response units to specific areas of our city that have a high or low call volume. In 2015, this data specifically addressed areas of the city that needed coverage. The current staffing levels accompanied by data collected determined where specific emergency response units are housed.

We have partnered with Ohio State University Wexner Medical Center for our EMS medical direction. Dr. Ashish Panchal MD, PhD has been a great addition to the fire department and will keep our EMS services at their very best.

This annual report will show detailed information regarding each division of the fire department and specific things that we are working toward. There are four assistant chiefs with

responsibilities including Operations, Physical Resources, Human Resources and Compliance. Other daily responsibilities such as training and emergency medical services are managed by two administrative captains.

I hope that the information provided in this 2015 Annual Report can provide the necessary information to help understand the way the fire department functions and is managed. If you have any questions or concerns, feel free to contact me at 740-670-7650 or email at pconnor@newarkohio.net.

Respectfully,

Patrick J. Connor

Fire Chief

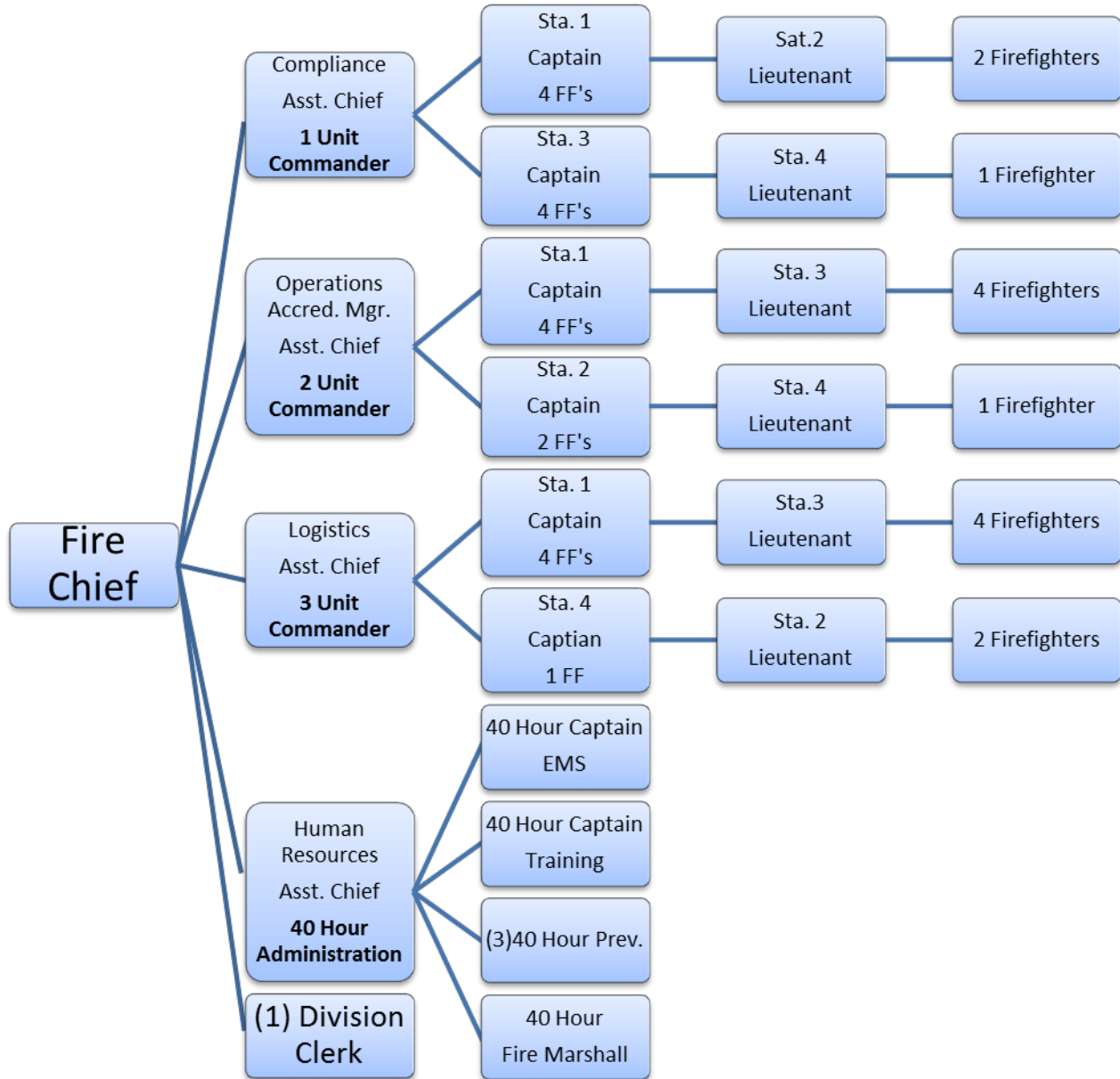
Mission Statement

The mission of the Newark Division of Fire and Emergency Medical Services is to provide a range of programs designed to safely and efficiently protect the lives and property of the citizens of the City of Newark, Ohio from the adverse effects of fires, sudden medical emergencies or exposure to dangerous conditions created either by man or nature.

Vision Statement

The City of Newark Division of Fire will always strive to be a leader among the Fire/Rescue community. Our vision is to provide excellence in our service to our community (customers) by using high standards of training, up-to-date equipment and continual re-evaluation of our services, with the future of the Division and those we want to protect in mind.

2015 Newark Fire Department Organizational Chart



➤ Above chart reflects on duty personnel and staffing projected at 16 daily staffing.

(1) Chief, (4) Assistant Chiefs, (8) Captains, (6) Lieutenants, (57) Firefighters, (76) Total

2015 Budget

Our budget is largely derived from the General Fund. In 2001 a joint safety level was passed by Newark residents to supplement the budget of both the Police and Fire Divisions. The levy placed an additional 1/2 % income tax on working citizens of Newark and those people who worked inside the city but live elsewhere. This money is dedicated solely to these agencies. The amount of money generated by this levy in 2015 totaled just over \$5 million and was split evenly between the Police and Fire Divisions. Along with the General Fund and the safety levy, we also benefit from various grants for personnel, equipment or programs.

The Newark Fire Department's operating budget for 2015 was \$8,038,151 and includes revenue sources from local taxes, grants, EMS billing, donations and false alarm billings. Specifically, EMS billing generated \$1,489,415 in revenue and the fire department receives 40% of those revenues to supplement the operating budget. The EMS billing revenue delegated to the fire department is utilized for administration, purchasing ambulances, medical supplies and fire station upgrades.

The total budget handprint reflects a business model of 90.28% dedicated to personnel and the remaining 9.72% dedicated to operating costs. Although not ideal, great strides have been made in identifying areas to be more efficient and provide the same level of service to the community with monthly staff meetings and a very in depth look at streamlining the budget. The recent declines in the economy and revenue have initiated a more creative and efficient management strategy allowing staff to look at alternative ways of operating and reducing overall costs.

Funds used for capital improvements are not included in the individual budgets of the various departments/divisions within city government. The city maintains one Capital Improvement Fund and the amount of money provided to each department are decided upon by the Mayor and the City Auditor.

Three-Year Strategic Plan

As part of the CFAI accreditation process, agencies that strive to become accredited must have a strategic plan in place. In addition, it just makes good sense to have a plan in place for the future. The planning process for our Strategic Plan began in 2008 with inter-departmental surveys and to determine the direction and goals of the Division. Several members from the Division provided valuable input concerning the needs of the agency.

The basis for the plan is reflected by interviews and discussions with Fire Personnel, community members, businesses and research to identify issues and areas of concerns that have been raised. These concerns and issues helped form and will continue to aid in the ongoing refinement of this plan.

The short term goals of the strategic plan are:

- Continue to monitor the notification/alarm processing data to ensure that calls for service are answered in a correct and timely manner.
- Pursue a physical fitness/wellness programs, consistent with staff/fiscal resources, for all staff
- Pursue funding to have the division at its full allotted staff.
- Pursue additional staff positions in fire prevention.
- Continue to pursue grant support for innovative and/or underfunded or non-funded programs.
- Purchase the following apparatus:
 1. Purchase one medic
 2. Purchase one pumper apparatus
 3. Purchase one staff vehicle
- The Fire Prevention Division will develop a comprehensive pre-incident planning process. This information will be entered into the occupancy module of Firehouse®

The longer term goals of the plan are:

- To maintain CFAI accreditation.
- Continued expansion in order to respond to underserved areas.
- Feasibility study for station 5
- Support the Research and Development Division to maintain a knowledge base in the areas of best practices, hardware, and software development which enhance the Divisions effectiveness
- Purchase state-of-the-art equipment/apparatus as fiscal resources allow
- Develop a career development program to ensure staff have or are pursuing college degrees from accredited institutions of higher learning.
- Expand/refine elements of public education to inform the citizens of fire and related hazards with threaten their personal well being

This plan is the framework for the future of Newark Fire Department. As our commitment, we pledge to continually look for ways to improve, to be the best we can be, and to care for our employees, our fire district, and the lives and properties that we respond to in both emergency and non-emergency alarms.



Office of the Mayor

Mayor Jeff Hall became the 68th Mayor of Newark on January 1, 2012. Born and raised in Newark, Mayor Hall is an honors graduate from Newark High School and earned a bachelor's degree in accounting with a minor in Information technology. He also has a master's degree in accounting from The Ohio State University. Prior to serving as Mayor, Jeff was the Newark City Treasurer. Mayor Hall is committed to making safety, education, and jobs a top priority for the City of Newark. Mayor Hall has surrounded himself with a talented TEAM of dedicated, professional individuals who assist him in strategies that support his vision.



Director of Public Safety

The Director of Public Safety is William "Bill" Spurgeon. The Safety Director is appointed by the Mayor and serves at the pleasure of the Mayor. Director Spurgeon oversees the Police and Fire Divisions and the enforcement of the Property Maintenance function of the city of Newark along with Code enforcement.

Director Spurgeon was born and raised in Newark and is a second generation public servant as his father served as the chief of police in Newark from 1968 through 1974. Director Spurgeon also has a brother who retired from the Ohio State Highway Patrol as a Sergeant.

Director Spurgeon and his wife Susan have two adult children. He graduated from Newark Senior High and then went on to earn an Applied Associate degree in Business Administration from Central Ohio Technical College along with a Bachelor of Business Administration, Cum Laude from Mount Vernon Nazarene University.

Director Spurgeon started his career with the Newark Division of Fire in 1986 and served as a Firefighter/Paramedic, a Lieutenant, a Captain and as an Assistant Chief where he oversaw Human Resources, Emergency Medical Services and Training. In 2013 he completed the Ohio Fire Executive Program.

Account Clerk I



Tina Stoll

Tina Stoll (tstoll@newarkohio.net) is the Account Clerk for the Division of Fire/EMS. She has been with the city of Newark for 17 years and works very closely with Chief Connor and Assistant Chief Simmons. She is instrumental in the way the division is managed. Her primary responsibilities include payroll, accounts payables and receivables, budgeting, processing quartermaster, and administrative support to the staff and Fire Prevention Bureau. Tina currently works out of Station 1 and is available to help anyone that needs assistance.

Human Resources



**Assistant Chief
Simmons**

The Human Resources Division is managed by Assistant Chief Nick Simmons (nsimmons@newarkohio.net). He has been with the division for 20 years and is currently assigned to a forty hour week as the Administrative Assistant Chief. He holds a Bachelor's Degree from Denison University. He is a member of IAFF, IAFC, and Ohio Fire Chief's Association. Chief Simmons is certified as a paramedic and fire instructor.

The Human Resources Assistant Chief supervises the areas of prevention, arson, training and EMS. There is a more detailed description within this report relating to each respective responsibility.

The replacement of firefighters that have left or retired in an attempt to keep staffing levels at 83 was not met. We did, however, receive a Staffing for Adequate Fire and Emergency Response (SAFER) grant that allowed us to hire 3 firefighters with an additional firefighter funded by our personnel budget. This brings the staffing levels to 76 including the Fire Chief, but still leaves room for improvement to reach the level of personnel we had in the beginning of 2014 which was 80.

Compliance



**Assistant Chief
Decker**

The compliance division is managed by Assistant Chief David Decker (ddecker@newarkohio.net). Chief Decker is a 25 year veteran with the division and currently is the one unit shift commander. He is a 1989 graduate of Newark High School and has certifications as a paramedic, fire investigator, Certified Fire Safety Inspector (CFSI) and fire instructor. He also maintains certifications as a flight paramedic with Air Evac Lifeteam in Licking County, Ohio.

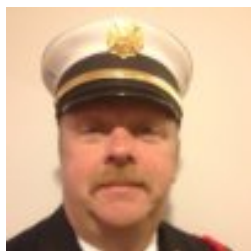
With the completion of 2015 the division continues to work on developing, implementing and updating the divisions System Manual. All policies are being amended to include a new header that allows the review process and

revisions to be tracked. Updates continue as the department grows to meet the changing demands of the citizens as well as best practices in our profession. This process will continue into 2016. All division policies are accessible via the Intranet.

The division continues to look for ways to improve the city's Insurance Service Office (ISO) Public Protection Class rating. This helps insurance companies determine fire insurance premiums for properties located within the city. Newark's last ISO evaluation was in 2010 and was rated a 3 (on a 1 (best) to 10(worst) scale) by ISO.

The compliance division also looks at various areas to ensure that the division follows guidelines established by the National Fire Protection Association, National Institute of Safety and Health Occupational Safety and Health Administration. This ensures that the division is operating safely while minimizing risk to fire personnel as well as reducing liability to our City.

Operations



Assistant Chief O'Brien

The Operations Division is managed by Assistant Chief Tom O'Brien (tobrien@newarkohio.net). During his 30 year career with the department, he has served as compliance chief, HAZ-MAT coordinator, paramedic, member of the equipment specification committee, member of the IAFF executive board, and currently serves as 2 units shift supervisor, operations chief and accreditation manager. He has been the fire training coordinator at the local vocational school, and has taught at FDIC and is an Adjunct Instructor for The National Fire Academy. He has an associate's degree in Fire Science from Hocking College and a bachelor's degree in Public Safety Management from Franklin University. He is currently pursuing a Master of Public Administration as well as his Executive Fire Officer designation from the National Fire Academy. Tom is designated as a Chief Fire Officer and is a MIFireE. Tom has also been doing accreditation visits for CPSE/CFAI for the last 9 years and has served as a team leader for numerous departments. He is a member of IAFF, IAFC, Ohio Fire Chief's Association, and is on the Board of Directors for Newark/Heath Rotary. He resides in Newark, Ohio

The Operations Division includes all service delivery of emergent and non-emergent response to calls for assistance ranging from fires to assists from the floor. Also included are haz-mat responses to a wide range of material spills or releases.

The Operations Division current has 70 personnel assigned to three 24 hour shifts. Each shift is led by an Assistant Chief who is responsible for daily operations and command of incidents. The Assistant Chief is assigned to the command unit (Battalion 1) which is used as a command post.

The Assistant Chief is aided by two Captains and two Lieutenants who are each assigned to the four fire stations located throughout the city. The division responds to calls for assistance from each of the four stations. The number of apparatus that respond is determined by the nature and severity of the call. Each type of call has a pre-determined assignment that is populated at the 911 center and its dispatching network.

The city currently maintains a minimum of 14 personnel on duty each day, with each member assigned to a specific unit. Currently the staffing at Fire Station 1 has three members assigned to a rescue/engine, one in the command car and two or three on a medic unit. Station 2 has three members on a ladder truck and two members on a medic unit if staffing is available. Station 3 has three members on an engine and two on a medic unit. Station 4 has either two or three members who “jump” between an engine and a medic. This is dependent upon staffing levels each day.

While the staffing situation may not be the optimum, the division has taken great strides to analyze the demand for service and what type of service is needed most often. Emergency Medical calls remain the dominant type of calls for service, with slightly over 80 percent of the total call volume. The remaining calls are for fires, carbon monoxide checks, assists to EMS companies, automotive mishaps etc.

Data shows that the largest calls for service are in the area served by Station 1, followed by Station 2, Station 3 and Station 4 respectively. These calls and the response times to each district are constantly monitored to assure compliance with accepted standards and the established Standard of Cover the division has stated for response times to maintain accreditation by the Center for Public Safety Excellence.

Accreditation looks at response times for fire, EMS, haz-mat and technical rescue. The times for fire response both emergent and non-emergent are represented.

Goals for 2016

- Enter relevant building information (Pre-plans) into the MDT system so that each vehicle will have all necessary information about a structure at the push of a button.
- Review and implement any changes to Standard Operating Procedures for all types of incidents, and assure each member is trained properly on the response procedures.
- Have quarterly meetings with both Newark Police and the Alarm Office to assure continuity in service delivery and to discuss current or potential problems in response or communications.
- Explore alternate ways of receiving alarms via a mobile system to supplement and back up our current system so redundancy will result in fewer call response errors.
- Continue to work with all outside agencies so that our service delivery meets and exceeds the expectations of the community

Physical Resources



**Assistant Chief
Clouse**

The Physical Resources Division is managed by Asst. Chief John Clouse (jclouse@newarkohio.net). He is a 25 year veteran of the department and is responsible for maintaining the buildings and fleet. He is also responsible for all of the equipment purchases and tracking of these items.

New Fire Station:

In August the division transitioned from the former Station 1 built in 1950, to a new building on the same site. Construction was completed in November and a ribbon cutting held was held on December 15th, 2015. This new facility is a vast improvement in all aspects from the old building. It provides state of the art technology, energy efficient mechanical systems, as well as an integrated training tower the likes of which this area has never had available.

Front line response vehicles:

According to NFPA 1901 Annex D the frontline apparatus should be moved to reserve status at 10 years of service. The standard also recommends that reserve equipment be replaced after 15 years of service in *any* capacity. As illustrated below, the division's fleet of firefighting apparatus is in desperate need of attention. Utilizing the fire apparatus fleet averages none of our current vehicle should still be in service as front line response vehicles. The division has not purchased a new fire apparatus since 2006 and each year that passes without replacing apparatus makes the situation that much more dire. Fortunately the EMS transport apparatus fleet is in reasonable shape thanks in large part to EMS billing money that is required by legislation to be used for vehicle replacement. In fact the category averages for EMS vehicles decreased for the year 2015.

Fire Vehicle	Year	Hours	Miles
Rescue 1	2005	12079	126133
Tower 1	1996	4372	18237
Ladder 2	2006	8049	87072
Engine 3	2004	8377	97060
Engine 4	1996	10704	129149
Reserve	1995	11690	115268
Average	15.6	9211.83	95486.50

EMS Vehicle	Year	Hours	Miles
Medic 1	2015	277	3319
Medic 2	2013	4415	65909
Medic 3	2013	3751	39340
Medic 4	2008	9573	119987
Reserve Medic 2	2005	14116	151736
Reserve Medic 4	2009	8392	97267
Average	5.5	6754.00	79593.00

Medic Unit Replacement:

A new EMS transport vehicle was ordered in May and delivered in December. The new vehicle is in service as Medic 1 at the downtown fire station and has already logged over 3,500 miles in its first month. The division shifted chassis in 2013 from International medium duty units to Ford F450 pick up chassis and has benefited from reduced maintenance costs since the change. A new medic unit should be purchased every 18 months in order to meet replacement needs and maintain a service ready reserve fleet for the division.

Administrative Staff Vehicles:

The division was able to find a solution for reliable vehicles for the administrative staff. Members found reasonably priced vehicles for the staff and spent the tax payer’s dollar wisely. Three vehicles from Norwich Township in Franklin County were purchased, body repair done, reflective striping changed, and emergency lights upgraded for under \$20,000.

Command Vehicle Replacement:

A new command vehicle was approved by council in February of 2015 and ordered from the Ford Motor Company. Unfortunately there were production issues resulting in a delay of manufacturing and the vehicle was not delivered until December 2015. Necessary reflective striping, communications equipment, and emergency lights were installed towards the end of the month and the vehicle was place in service the first week of January 2016. The technology installed will allow excellent command and control of incidents involving multiple agencies. It is a welcome and needed addition to the fleet. The vehicle replaced is twelve years old and has over 129,000 miles but will remain in reserve status.

Communications Equipment:

The division has continued to work with MARCS on training and programming challenges. In 2015 seven portable radios were purchased and will be placed in service soon. These additional radios allow for communications to be available for special events and emergency situations when extra personnel are recalled to duty. Previously the division had been unable to allocate funds for additional radios which had resulted in a periodic communications shortfall; with this purchase that gap has been closed.

Gas monitors:

A new docking and calibration station was purchased to help maintain gas meters both for the division and the Licking County Hazmat Team. This station provides for accurate record keeping and electronic testing of all sensors, including date and time stamps for calibration. This tool has already made the process more efficient and significantly decreased the man hours required to maintain these important devices.

Capital Improvements:

- The division continues to strive for two sets of turnout gear per firefighter as recommended by NFPA due to cancer risks. Fifteen sets are purchased each year and 2017 is the break over year where all members will be issued two sets as long as this trajectory is maintained.
- A new stand by generator was purchased and is in the process of being installed at Station 2. The division had hoped to repurpose the generator from old Station 1 however once the generator had been surveyed it was deemed more cost effective to replace.

Goals for 2016:

- Fire engine replacement
- Utility bed replacement for plow vehicle
- Implement vehicle replacement plan

Emergency Medical Services

The EMS Division of the Newark Fire Department strives to maintain a progressive, proactive approach to evidence (practice)-based operations, treatment and transport. Newark Fire/EMS is a nationally recognized leader and innovator in the field of pre-hospital medicine. Our primary mission is to respond to calls for medical emergencies; however this aspect represents only one component of our service. We also provide education and training to the public within the areas of basic life support (BLS), first aid, and general public health information.

NFD is a “fire based EMS agency” that responds to over 10,000 calls annually, making the Newark Fire Department one of the busiest in Licking County as well as the Central Ohio region. The men and women of Newark Fire/EMS are highly skilled and specially trained to provide state-of-the-art pre-hospital care. Under the leadership of the Medical Director, NFD EMS offers advances in both medicine and technology in order to provide the residents and visitors of the Newark area with the best service possible. The Newark Fire Department provides service and support 24/7/365 and has four (4) station houses throughout the city.

In 2015, the EMS Division of the Newark Fire Department appointed Dr. Ashish Panchal as the new medical director. Dr. Panchal is a board certified Emergency Physician and serves as a director for EMS and Residency at The Ohio State University. In addition to many other professional and educational accolades, Dr. Panchal is a member of the American Heart Association (AHA) Emergency Cardiovascular Care Scientific subcommittee. Prior to returning to Ohio, Dr. Panchal served in a lead director role for Emergency Medical Services in Arizona.

The EMS Division continued to provide a solid platform for the continuation of goals defined in the previous year while also developing strategic plans for years to come. Newark Fire Department paramedics continued to administer cutting edge interventions such as the Tranexamic Acid (TXA, 2010) for qualified trauma patients and also continued the use of Cardiocerebral Resuscitation (CCR) in acute onset cardiac arrest situations. The Division also implemented additional technology in the form of new cardiac monitors. The Division has the latest cardiac monitoring and therapy devices on all four (4) transport units. This year, the division was able to obtain two (2) additional Lifepak 15 devices and placed them on fire apparatus, replacing older Lifepak 12 models. In 2016, the division plans to add additional Lifepak 15 monitors to the remaining fire apparatus within our agency. Furthermore, all cardiac monitoring devices within the division are equipped with wireless transmission modules which will be upgraded to the latest 3G technology.

The EMS Division also reached its ninth year of the CCR protocol. This treatment option was initially very controversial and met with resistance by area hospitals. However through progressive medical vision and a steadfast commitment to the highest medical standards, these aspects of advanced level care have started become “common core” treatments within the pre-hospital arena.

In the last half of 2015 the Division completed two goals from the previous years by adding a brand new transport into service and also by implementing new technology in the form of *Firehouse CAD Monitoring*. The Newark Fire Department purchased a 2015 Ford 450 medic unit from the Burgess Ambulance Company. This new transport unit was placed into service at the new fire station in the downtown area. The new medic unit carried over many of the desirable features of the previous units however added additional patient care capability, enhanced lighting features, enhanced safety features, and a more environmentally responsible engine/exhaust component. The new medic unit provides more safety for the patient and paramedics and also reduces maintenance needs while increasing productivity and comfort.

The Division also installed new technology in the form of *Firehouse CAD Monitoring*. FH Cad Monitor allows the dispatch center (fire alarm office) to initiate a “ticket” for patient care reporting, that automatically inputs incident specifics into the documentation platform. This technology will ensure that all incidents specifics that relate to numbering, locations, and times are accurate from the very beginning of the event. This will also decrease the amount of time that personnel must spend manually entering information within their report thereby decreasing turnaround time at the hospital.

The Newark Fire/EMS division looks forward to 2016 with plans to add additional procedures within the EMS protocol and to also enhance equipment resources. NFD EMS plans to initiate

protocols that relate to enhancing aggressive airway techniques through the use of paralytics, providing additional transport options in regards to pediatric patients, and to also purchase additional field care monitoring devices.

Training Division

The Training division is managed by Captain Terry Lynn. Captain Lynn is a 17 year veteran with the division and currently assigned to the administrative staff. He holds certifications as a paramedic, fire instructor I and II, hazardous materials technician, and CE instructor for EMS.

Responsibilities, of the training division, include scheduling contractual and monthly trainings, assisting personnel with certification audits, ensuring personnel maintain their certifications according to their job descriptions, and maintaining all records, for compliance with the State of Ohio, for our training site certification. The Newark Division of Fire/EMS is also a training site for students needing ride time for fire and EMS. The division handles all online applications and scheduling of these riders.

To deliver the training to personnel, the division utilizes instructors from internal and external sources. The department currently has 21 fire instructors, 6 EMS instructors, and 7 continuing education instructors. The department also subscribes to the FireEMS Academy, formerly Kaplan, for on line training opportunities for department personnel. Our external instructors are from the local aero medical companies, other fire departments, and outreach instructors from the Columbus based health care systems.

During 2015, department personnel completed 3723 classes using 5203.96 man hours. All personnel were recertified in PALS and completed a trench rescue class. 6 personnel had their state certifications audited, with no issues found. The division processed 53 student rider applications from 7 different training institutions and scheduled the riders accordingly. The division purchased a tension pneumothorax mannequin and a King Vision intubation device for EMS training. Permission was also granted to train in three structures slated for demolition. Finally, creation of rope knot training aides began.

Goals for 2016

- ACLS recertification
- Application for an AFG grant for training classes and training aides, upgrading EMS mannequins and replacing Biff, our fire training mannequin, purchasing fire simulation software, and completion of a save your own class.
- Utilization of the training tower involving our neighboring departments.

The division will continue to strive to provide quality and topical training, to our personnel, to better serve our community and those around us.

Prevention

The 2015 year proved to be challenging. The prevention bureau dropped from three inspectors down to one. Gregg Coffman retired after 35 dedicated years serving the citizens of Newark. Aaron Webb was placed back on shift to help alleviate manning issues. That leaves Ashley Baker as the lone inspector. Ashley has been busy throughout the year conducting fire inspections, attending meetings and working with building code and contractors in new building final life safety inspections. One of which was the new fire station. This year we completed 431 inspections; an understandable decrease from the previous year. We continue to use the Inspection Files software which is a tremendous help especially when doing re-inspections. The inspection process is mostly “paperless”; notes are taken on paper, entered into the software and then emailed to the customer. During re-inspection the violations are clicked as complete in the software and then the completed inspection report is again emailed to the customer.

This year Newark Division of Fire has partnered with the local chapter of The American Red Cross. The Red Cross has started a campaign to distribute 500 smoke detectors in the Licking County area. The goal of this campaign is to reduce fire injuries and deaths from residential fires by 25 percent over the next five years.

The prevention bureau has attempted to become more efficient with fewer resources. We have worked this year to streamline our filing system. We have created one filing system that is addressed based, much like our software. By doing this we can go straight to the address file to find information about the property. We also have updated our “X” files by creating a spreadsheet with all the current and previous dilapidated structures throughout the city. Current dated photographs were taken and filed showing the current condition of the property.

We joined forces with the Licking County Safe Communities Coalition. On May 14 of this year the Newark Division of Fire hosted the Click-it-or-Ticket kickoff event at station 3. We had numerous agencies in attendance; which included the Newark Division of Police, Ohio State Patrol, Licking County Sheriff, Mayor Jeff Hall, State Farm, Licking County Health Department, Red Cross and Impact Teen Drivers.

Arson

City of Newark Fire Marshal has been with the Division for over 28 years, the last 14 being in 40 hr. investigator position for the department. He still maintains certifications as a EMT-Paramedic, Firefighter II, Certified Fire Safety Inspector, Certified Fire Investigator, and Law Enforcement Officer (LEO) for fire related crimes in the City of Newark. In the past year (2015), 123 investigations have been conducted. Of those investigations, we had (1) fire fatality, (1) juvenile conviction and (1) misdemeanor adult conviction.

Accreditation



The Newark Division of Fire/EMS received accreditation in August of 2012.

The accreditation awarded by the Center for Public Safety Excellence to the division has been accomplished by only 160 fire departments in the world. This award was based upon over 120 specific criteria that have been established through a consensus of fire department leaders worldwide based upon accepted practices for service delivery.

Each year for the next five years, the division must submit an Accreditation Compliance Report (ACR) to CPSE to assure them that the areas that were cited as needing improvement are being addressed. There must also be a measure of continued improvement on baseline and benchmark response areas. The report submitted to CPSE to recommend the agency for accreditation also included areas that needed improvement for re-accreditation in the fifth year.

Recommendations in training, outside agency contracts, conflict resolution, station conditions were among the items listed as needing attention. As of the first submission and acceptance by CPSE of our ACR, the division has addressed each issue and resolved many of them. A copy of this report is available from the Fire Chiefs office, along with a copy of the letter of acceptance of the report.

The annual compliance report for 2015 was accepted by the Commission and by a majority vote it was determined that the division is still credible.

Goals for 2016

- Begin to prepare for reaccreditation site visit in March of 2017.
- Revise and review the current Strategic Plan.
- Information from inside and outside the division will be used to formulate the most current and effective plan. It will chart the course for the next 3 to 5 years.
- Continue to monitor response times for compliance to the Standard of Cover
- Present an ACR that shows continual improvement and eliminate more of the suggested areas of deficiency as defined by the site visitation team.

2015 NFD Statistics

Total Combined Emergency Runs = 10217

Total Fire Runs = 1277 (515 assists-up not included in this number)

Total EMS Runs = 8940 (includes 515 assists-up handled by fire apparatus)

Total Number of Vehicle Responses for runs in Newark, counting Newark vehicles only = 17209

The above data was compiled using raw data from the Licking County Regional Communications Center. This is closest to the actual number of calls for service for NFD. Below are response statistics that involve multiple unit responses in a myriad of combinations. The below statistics are more representative of how NFD deploys apparatus when a call for service is made.

Fire Statistics

Total Fire Runs	4,526	District Comparisons	
Estimated Dollar Loss	\$3,571,057	District 1	1,874 (41.4%)
		District 2	1,397 (30.9%)
Actual Fires by type	183 (4.0%)	District 3	812 (17.9%)
Building Fire	74	District 4	249 (5.5%)
Cooking Fire	23	Out of the City	194 (4.3%)
Chimney Fire	6		
		Apparatus Comparisons	
Vehicle Fire	23	Rescue 1	2,336
		Ladder 2	1,660
Other Fire Calls by Type		Engine 3	1,124
Overpressure, no fire	9 (0.04%)	Engine 4	34
Rescue	2330 (51.48%)	Ladder 1	223
EMS assists	2,044	Battalion 1	921
Hazardous Condition	151 (3.3%)		
Monoxide Leak	15		
Gas Leak	50		
Service Calls	634 (14%)		
Unauthorized Burning	92		
Good Intent Calls	865 (19.1%)		
Cancelled En Route	580		
Authorized Burning	45		
False Alarms	360(7.95%)		
Alarm system activation- no fire	81		
Building Fire extinguishment	74		

breakdown

Type of Structure

1 or 2 Family Structures	36
Multi-family	14
Garages or out buildings	7
Commercial	11

Civilian and Firefighter injuries

Civilians injured	11
Firefighter injuries	8

Smoke Detectors

No smoke detectors	0
Smoke detectors alerted occupants	0

Time of call for structure fires

0700-1500	23
1500-2300	25
2300-0700	25
0000-0500 was peak time for a fire	19

Cause of Fire

Accidental	27
Undetermined	12
Arson	6

Distict of fire

Station 1	26
Station 2	12
Station 3	11
Station 4	10
Outside City	15

Structure Fires - 90th Percentile Times - Baseline Performance			2012	2013	2014	2015
Alarm Handling	Pick-up to Dispatch	Metro-Urban	1:55 (1:11 avg)	1:40 (1:01 avg)	1:05 (0:41 avg)	1:13 (0:37 avg)
		Suburban	2:04 (1:13 avg)	1:52 (1:09 avg)	1:30 (0:48 avg)	1:06 (0:37 avg)

Structure Fires - 90th Percentile Times - Baseline Performance			2012	2013	2014	2015
Turnout Time	Turnout Time 1st Unit	Metro-Urban	1:27 (0:35 avg)	2:21 (1:16 avg)	1:52 (0:53 avg)	2:37 (1:32 avg)
		Suburban	2:36 (1:02 avg)	2:27 (1:17 avg)	2:02 (0:58 avg)	3:34 (1:55 avg)
Travel Time	Travel Time 1st Unit Distribution	Metro-Urban	6:00 (3:47 avg)	4:55 (3:05 avg)	4:19 (2:43 avg)	4:00 (2:39 avg)
		Suburban	7:59 (5:32 avg)	8:05 (5:23 avg)	4:59 (2:55 avg)	5:38 (3:55 avg)
	Travel Time ERF Concentration	Metro-Urban	5:00 (3:14 avg)	4:52 (3:09 avg)	5:08 (2:46 avg)	4:21 (3:02 avg)
		Suburban	6:42 (4:58 avg)	8:03 (4:31 avg)	6:19 (4:11 avg)	6:18 (4:37 avg)

Structure Fires - 90th Percentile Times - Baseline Performance			2012	2013	2014	2015
Total Response Time	Total Response Time 1st Unit On Scene Distribution	Metro-Urban	6:54 (4:22 avg)	6:02 (4:21 avg)	5:54 (4:17 avg)	6:15 (4:48 avg)
		Suburban	9:07 (6:37 avg)	9:19 (6:40 avg)	7:37 (5:01 avg)	8:23 (6:27 avg)
	Total Response Time ERF Concentration	Metro-Urban	5:47 (4:03 avg)	6:01 (4:20 avg)	6:38 (7:06 avg)	6:18 (6:01 avg)
		Suburban	8:06 (5:49 avg)	8:03 (5:57 avg)	8:21 (6:04 avg)	8:34 (7:03 avg)

2015 EMS Statistics

Total EMS Runs 8,213
 Total Transports to LMH 5,095 (62%)

Calls by day of the week

Day	Count
Sunday	1177
Monday	1221
Tuesday	1235
Wednesday	1245
Thursday	1277
Friday	1222
Saturday	1205

Calls by hour of day

Hour	Count
0:00	258
1:00	221
2:00	194
3:00	166
4:00	175
5:00	157
6:00	203
7:00	205
8:00	306
9:00	401
10:00	411
11:00	464
12:00	474
13:00	467
14:00	432
15:00	447
16:00	461
17:00	449
18:00	455
19:00	443
20:00	399
21:00	453
22:00	336
23:00	285

District Comparisons

District 1	3,631(44%)
District 2	1,967(24%)
District 3	1,851(23%)
District 4	763(9%)

Medic Unit Comparisons

Medic 1	3,561
Medic 2	1,489
Medic 3	2,171
Medic 4*	841
Rescue 1	138
Ladder 2	148
Engine 3	37
EMS 1	82

*Medic 4 out of service most days due to insufficient personnel.

Monthly Medic Activity

Runs per Month	684
Runs per day	22.5
M1 runs per day	9.76
M2 runs per day	4.08
M3 runs per day	5.96
M4 runs per day	2.3

Age of Patients

Age Group	Count
Pediatric (0 - 13)	318
Adult (14 - 64)	4444
Senior (65+)	2532

2015 EMS Calls by nature of incident

Abdominal Symptoms	237	Trauma - Amputation	1
Abnormal Vital Signs	15	Trauma - Assault	108
Allergic Reaction	32	Trauma - Blunt Injury	75
Altered Level of Consciousness	131	Trauma - Burns	12
Animal Bites / Stings	9	Trauma - Cardiac Arrest	1
Back Pain	49	Trauma - Fall	440
Behaviorial / Psychiatric Disorder	354	Trauma - Fracture / Dislocation	30
Cardiac (Chest Pain)	232	Trauma - GSW	3
Cardiac (Chest Pain) - Pressure	241	Trauma - Head Injury	22
Cardiac (Atypical)	94	Trauma - Hemorrhage	32
Cardiac Arrest	51	Trauma - MVC / MCC	118
Choking / Airway	20	Trauma - Obvious Death	3
Diabetic Symptoms	225	Trauma - Pain	45
Dizziness	182	Trauma - Penetrating Injury	18
Environmental Exposure	4	Trauma - Respiratory Distress	1
Gastrointestinal Symptoms (Nau/Vom)	41	Trauma - Stabbing	10
HAZMAT Exposure	3	Unconscious / Unresponsive	82
Headache	55	Weakness	392
Hemorrhage	80		
Hyperthermia	2		
Hypothermia	1		
Hypovolemia	13		
OB-Gyn (Other)	13		
OB-Gyn (Pregnancy / Labor)	21		
OB-Gyn (Vaginal Hemorrhage)	9		
Obvious Death	33		
OD / ETOH Abuse	171		
Other:	53		
Pain	677		
Poisoning / Drug Ingestion	40		
Respiratory Arrest	3		
Respiratory Distress	524		
Seizure	201		
Sick Person (Nau/Vom)	305		
Stroke / CVA	83		
Syncopy	153		

EMS - 90th Percentile Times – Baseline Performance			2012	2013	2014	2015
Alarm Handling	Pick-up to Dispatch	Metro-Urban	1:44 (1:08 avg)	1:34 (1:02 avg)	1:33 (0:45 avg)	1:20 (0:34 avg)
		Suburban	1:40 (1:03 avg)	1:29 (0:57 avg)	1:58 (0:50 avg)	1:10 (0:33 avg)
Turnout Time	Turnout Time 1st Unit	Metro-Urban	2:00 (0:43 avg)	2:05 (0:57 avg)	1:56 (1:07 avg)	2:03 (1:10 avg)
		Suburban	2:00 (0:41 avg)	1:59 (0:48 avg)	2:00 (1:11 avg)	2:09 (1:21 avg)
Travel Time	Travel Time 1st Unit Distribution	Metro-Urban	8:00 (4:31 avg)	9:13 (5:30 avg)	6:46 (4:01 avg)	6:31 (4:00 avg)
		Suburban	8:00 (4:46 avg)	8:31 (5:01 avg)	7:32 (4:27 avg)	7:24 (4:34 avg)
	Travel Time ERF Concentration	Metro-Urban	None	None	None	None
		Suburban	None	None	None	None
Total Response Time	Total Response Time 1st Unit On Scene Distribution	Metro-Urban	8:28 (5:14 avg)	10:06 (6:27 avg)	8:14 (5:15 avg)	8:38 (5:44 avg)
		Suburban	8:25 (5:28 avg)	9:13 (5:49 avg)	8:57 (5:42 avg)	9:38 (6:28 avg)

	Total Response Time ERF Concentration	Metro-Urban	None	None	None	None
		Suburban	None	None	None	None