

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



ANNUAL REPORT 2016

JANUARY 23, 2017

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Letter from the Chief



The Newark Fire Department continues to provide an outstanding emergency service to the residents of Newark. In 2016, the department responded to 10,419 emergencies, which is the highest annual call volume in Newark Fire Department history. Despite a difficult fiscal situation, the fire department staff continues to work hard to provide the level of service that the community expects and deserves. With that in mind, federal and local grants are routinely applied for and help provide needed equipment. Notably, for the second year in a row, the Staffing for Adequate Fire & Emergency Response Grant (SAFER) was awarded to NFD adding three firefighters to our staff. Four chest compression devices (Lucas) were also awarded and provide optimal chest compressions to a patient in cardiac arrest. These devices will help maintain our American Heart Association Mission Lifeline Award, which is given to departments that implement quality improvement measures for patients that experience severe heart attacks.

The department purchased and replaced a downtown fire engine and command vehicle as well as placing the first utility task vehicle (UTV) in service. This UTV was purchased completely by private donations and handles calls for help in areas of the city that are difficult to access with conventional means. We truly appreciate the community's generosity and know it will fill a niche that only a UTV can provide.

As the community evolves, our records management system assists us in making metric based decisions regarding response areas and staffing. With this

information, fire station #4, which is located in the east district, was repurposed into an administrative building housing the prevention and investigations staff. 2016 was marked by a 20% increase in building fires, which led to an additional person assigned to fire prevention. Our ultimate goal is to prevent a fire before it occurs.

I hope that the information provided in this 2016 Annual Report will provide the necessary information about department operations and its management. If you have any questions or concerns, feel free to contact my office at (740) 670-7650 or email at pconnor@newarkohio.net.

Respectfully,

A handwritten signature in black ink, appearing to be 'P. Connor', written in a cursive style.

Fire Chief

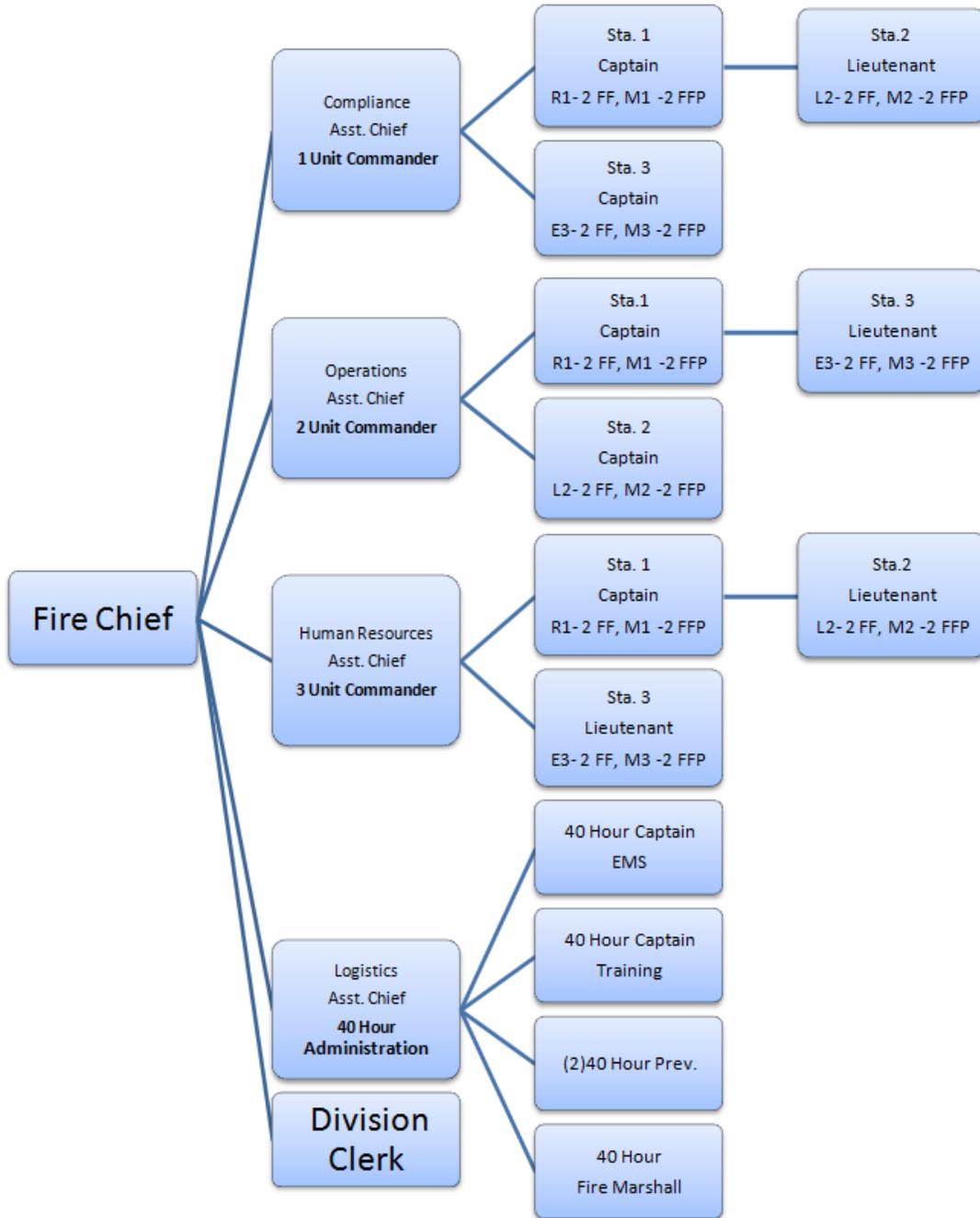
Mission Statement

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.

2016 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, (55) Firefighters, (74) Total

2016 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 2016 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 2016 was \$8,364,513 and includes revenue sources from local taxes, grants, EMS billing, donations and false alarm billings. Specifically, EMS billing generated \$1,516,810 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 89% dedicated to personnel and the remaining 11% 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 periodic 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

The planning process for our Strategic Plan began in 2008 with inter-departmental surveys and determining 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 aerial ladder 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:

- 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 city, 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



2016 was a year of transition for the Director of Public Safety. Director Spurgeon accepted a position at the State Fire Marshal's office after serving 5 years leading the safety forces. His successor, Director Steve Baum was appointed on October 26th 2016. Director Baum was hired by the Newark Division of Police on November 22, 1993. He served as both a patrol officer and as a detective. Promoted to Sergeant in 2004, Director Baum was assigned to the Patrol Bureau, the Professional Standards Bureau, and finally the Detective Bureau. After his Promotion to Captain in 2010, he served in all three bureaus: Patrol, Detective and as Administrative Bureau Commander. The Director is a USAF veteran who participated in both Operation Desert Shield and Desert Storm. He resides in Heath, Ohio, with his wife Kelly and their two children.

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 18 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.

Human Resources



AC Decker

The Human Resources Division is managed by Assistant Chief David Decker (ddecker@newarkohio.net). He has been with the division for 26 years and is currently assigned to 3 Unit.

The Human Resources Assistant Chief is responsible for the management of personnel, employee evaluations, personnel assignments, EEO/diversity, Employee Assistance Program (EAP), Critical Incident Stress Program, as well as fiscal and resource management. There is a more detailed description within this report relating to each respective responsibility.

At the start of 2016, the division strength totaled 76 members. Three members have left the department during the year, and two members have been sworn in, leaving the current strength at 75 personnel. The department has been awarded a SAFER (Staffing for Adequate Fire and Emergency Response) Grant to hire three personnel, and the fire department has budgeted money to hire one additional firefighter which should bring the total strength to 79.

Compliance



AC Clouse

The compliance division is managed by Assistant Chief John Clouse (jclouse@newarkohio.net). Chief Clouse is a 25 year veteran with the division and currently is the 2 Unit shift commander.

With the completion of 2016 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



AC O'Brien

The Operations Division is managed by Assistant Chief Tom O'Brien (tobrien@newarkohio.net) During his 31 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 1 units shift supervisor and operations chief. 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 has 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 has 75 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 three 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 16 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 a medic unit. If additional staffing is available, a second medic is placed in service that also responds from this station. 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.

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.

Goals for 2017

- Continue to place 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



AC Simmons

The Physical 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 of Science Degree from Denison University and has been designated as an Ohio Fire Chief Officer by the Ohio Fire Chief’s Association. He is a member of IAFF, IAFC, and Ohio Fire Chief’s Association. Chief Simmons is certified as a paramedic, fire instructor and certified fire safety

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 well behind the replacement curve. Utilizing the fire apparatus fleet averages all but one of our current vehicles should still be in service as a front line response vehicle. This reality is becoming more apparent because our annual vehicle maintenance costs are at an all time high. 2016 was marked by a few major mechanical failures, one of which cost \$21,000 to repair. However the Division was very fortunate to receive a demonstration model 2015 Pierce PUC fire engine in 2016. This apparatus replaced the busiest piece of fire equipment in the city, which is Rescue 1, housed at station 1. The division also received a new command vehicle, which was a 2016 Ford Interceptor, replacing a 2004 Chevrolet Suburban with 97,000 miles. Plans are also in place to refurbish engine 3 in order to get 3 to 5 more years of reliable use from that engine. 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 2016.

Fire Vehicle	Year	Hours	Miles
Rescue 1	2015	1072	19252
Tower 1	1996	4521	19688
Ladder 2	2006	8393	95198
Engine 3	2004	8985	104400
Engine 4	1996	10800	130248
Reserve	1995	11690	115268
Average	14	7576.83	80675.67

EMS Vehicle	Year	Hours	Miles
Medic 1	2015	2277	25706
Medic 2	2013	6124	87300
Medic 3	2013	4953	52073
Medic 4	2008	8722	100668
Reserve Medic 2	2005	14116	151736
Reserve Medic 4	2009	9882	123774
Average	5.5	7679.00	90209.50

Medic Unit Replacement:

A new EMS transport vehicle was ordered in August of 2016 and will be delivered early in 2017. The new vehicle will replace Medic 2 on Hollander Street. The new medic will have a powered cot system designed to handle larger patients and reduce the lifting necessary to get the patient into the patient compartment. This will be a first for NFD, however the extra expense was in response to data which showed increasing patient size and a commensurate increased potential for injury. 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.

Communications Equipment:

The division has continued to work with MARCS on training and programming challenges. In 2016 NFD assisted 9 other Licking County departments in applying for a state grant for MARCS radios. While the division would not directly benefit from any grant awards, we would indirectly benefit by being able to reliably communicate with all departments that surround us. Moreover, if the grant is successful the entire county would be equipped to use the MARCS system.

Utility Vehicle:

Early in 2016 the division put a utility task vehicle into service (commonly referred to as a “gator”). This vehicle has off road capabilities, can get to places where no vehicle can access and is much more maneuverable in high density crowd situations. The UTV was purchased using 100% donations from local businesses and individuals. Our communities generosity is wholeheartedly appreciated.

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 was installed at Station 2. This is the first time in approximately 30 years that station #2 on Hollander St is equipped with an automatic, fully functional generator that can power the majority of the station’s power needs in the event of an outage.

Goals for 2016:

- Ladder apparatus replacement
- Utility bed replacement for plow vehicle
- Implement vehicle replacement plan
- Replace 1 staff vehicle annually

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. The primary mission at NFD is to respond to calls for medical emergencies; however emergency response represents only one component of our service delivery model. The agency also provides education and training to the public within the areas of basic life support (BLS), first aid, public health, and disaster planning.

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 the best pre-hospital care. Under the leadership of Fire Chief Patrick Connor and the Medical Director, the Newark Fire Department delivers service and support 24 hours a day, 365 days a year with a full-time staffing model that currently includes 75 firefighter/paramedics.

In 2016, The EMS Division of the Newark Fire Department 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: Tranexemic Acid (TXA) for qualified trauma patients and “team based” CPR during cardiac arrest scenarios. The Newark Fire Department also continued to enhance aspects of computer aided dispatch (FH CAD Monitor), patient care reporting (FH Medic), and patient transport delivery methods by entering into an exclusive “first call” agreement with Air-Evac aeromedical service. The Newark Fire Department placed three (3) new cardiac monitors (Lifepak 15’s) and four (4) King Vision “video scopes” into service. The Newark Fire Department experienced many of the aspects that were also seen across the nation in regards to an increase in substance abuse specifically heroin. The agency responded to an “overdose” related event about every 3 days, resulting in an increase in the use of Naloxone (Narcan) which is administered to reverse the effects of opiate based substances.

One of the most significant accomplishments for the agency was to be nationally recognized by the American Heart Association for outstanding patient care of individuals experiencing cardiac related events such as heart attacks and strokes. The agency received AHA's silver level of the "heart line award". This award placed The Newark Fire Department in the top tier of pre-hospital agencies throughout the nation and was one of 38 agencies in the State of Ohio to be recognized. In addition to being recognized as an industry leading agency, the Newark Fire Department received a "Safety Grant" from the Ohio Bureau of Worker's Compensation (BWC) for approximately \$27,000. The grant process lasted approximately 8 months and when awarded, was used to purchase 2 (two) automated compression devices (Lucas 2). These devices are now the cornerstone of effective and efficient cardiac arrest treatment.

The Newark Fire/EMS division looks forward to 2017 with plans to add additional procedures within the EMS protocol and to also enhance equipment resources. Strategic plans include: 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 devices capable of monitoring end tidal carbon dioxide (ETCO₂), and cardiac arrest compression data.

Training Division



The Training division is managed by Captain Terry Lynn. Captain Lynn is an 18 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, CE instructor for EMS, and fire safety officer.

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 22 fire instructors, 5 EMS instructors, and 5 continuing education instructors. The department also subscribes to the FireRescue1 Academy, formerly Kaplan, for on line training opportunities for department personnel. Our external instructors are from the local aeromedical companies, other fire departments, and outreach instructors from the Columbus based health care systems.

During 2016, department personnel completed 1312 classes totaling 5194.9 hours. All personnel were recertified in ACLS. The division processed 69 student rider applications from 6 different

training institutions and scheduled the riders accordingly. Policies covering riders and accountability were re-written or revised and implemented. Training was conducted on the new accountability policy, the new Pierce rescue, the Polaris 6x6 UTV, and numerous other topics throughout the year. On the EMS side, in service training was completed on the King Visions and the Lucas devices. Three firefighters completed the technician class for the hazardous materials team. The division purchased a new rescue mannequin, providing the department with two mannequins for fire training. The rope knot training aides were completed and distributed to the stations. Finally, Sim-U-Share fire simulation software was purchased. This software will be used for critiques, incident command, and other trainings when it is fully implemented.

Goals for 2017 are: PALS and CPR recertification, recertification as a continuing education site with the State of Ohio, research and applying for training grants and training aides, and continue to work with Captain Metzger on improving our EMS care through training. Utilization of the training tower and involving our neighboring departments, in training, will continue in 2017 as well.

Working with the Operations Chief, we will create a training program, using department instructors, to provide more company level training and get “back to the basics”. Finally, with the current budget constraints, the training division will explore the possibility of providing ACLS and Pals recertification’s in house. To accomplish this, we would need to certify more personnel as instructors in these areas. This would keep our annual costs for these programs down as compared to the current way we provide this training.

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



Insp. Baker

2016 was another busy year. Paul “Ashley” Baker was the lone inspector for the City for most of the year. Bruce Gossett came on board in October. Although he has not had formal training for his Fire Inspector certification, he has been an asset to the Bureau. He is scheduled to attend the certification training in February, 2017. The Prevention Bureau completed 335 fire safety inspections, educated 5 Juvenile Fire Setter’s, completed fire safety education for 133 people and supervised three fireworks shows during the year.

We continue our partnership with the local chapter of the American Red Cross in conjunction with their smoke detector campaign. Not only have we assisted them with their canvassing campaign but also provided them with hearing impaired smoke detectors for individuals throughout Licking County.

Early in 2016 the division acquired three Ford Explorers. Two came to the prevention bureau and one went to the training officer. These vehicles replaced much older and dilapidated vehicles.

The new Explorers have been a welcome addition to our fleet. Late in 2016, the prevention and investigation bureau moved offices from Station 3 to the repurposed station 4. This proved to be a smooth transition and will make these bureaus more effective in their work environment. Since the move we are attempting to digitize all the paper files to a drive on the server working to streamline the filing system. The files on the server will be location based much like the Inspection Files software and the paper files.

The prevention bureau continues to work closely with the Property Maintenance Division conducting joint inspections on rooming houses as well as numerous complaints. We have also conducted joint inspections with the Building Code department on several new construction buildings, system updates and consultations. The State Fire Marshal inspects hotels and medical facilities licensed by the department of health and the prevention bureau assists them with their inspections.

The bureau strives to make the City of Newark a safer place to live and work. Our goals for 2017 are:

- Continue to digitize paper files
- Increase prevention education
- Increase fire inspections
- Work to achieve zero fire-related fatalities in 2017

Arson



Marshal Smith

City of Newark Fire Marshal has been with the division for over 29 years, the last 15 being in the 40 hour position for the department. He is certified as a EMT-Paramedic, Fire Fighter II, a PADI open-water Diver, Certified Fire Safety Inspector (CFSI), a Certified Fire Investigator (CFI) and a Law Enforcement Officer (LEO) for fire related crimes in the City of Newark. As of 12/08/16, 98 Investigations have been conducted. Of these investigations, there were (3) Juvenile convictions and (4) Adult convictions. An additional indictment for an Adult Aggravated Arson, as of 12/07/16, will most-probably end as a conviction. Additionally, the division is currently working on an indictment for an Aggravated Arson and/or Attempted Murder, which will most-probably result in a conviction. Starting in January, Marshal Smith will be attending the Accelerated Basic Police Academy in order to obtain the OPATA certification.

2016 NFD Statistics

Total Combined Emergency Runs = 10419

Total Fire Runs = 1303 (505 assists-up not included in this number)

Total EMS Runs = 9116 (includes 505 assists-up handled by fire apparatus)

Total Number of Vehicle Responses for runs in Newark, counting Newark vehicles only = 20,196

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	3,990	District Comparisons	
Estimated Dollar Loss	\$2,170,415	District 1	1,683 (42.2%)
		District 2	950 (23.8%)
Actual Fires by type	238(5.96%)	District 3	822 (20.6%)
Building Fire	93	District 4	326 (8.2%)
Cooking Fire	21	Out of the City	209 (5.2%)
Chimney Fire	4		
		Apparatus Comparisons	
Vehicle Fire	34	Rescue 1	2,129
		Ladder 2	1,286
Other Fire Calls by Type		Engine 3	1,142
Overpressure, no fire	6 (.15%)	Engine 4	12
Rescue	1795 (45%)	Ladder 1	228
EMS assists	1512	Battalion 1	1,112
Hazardous Condition	175 (4.4%)		
Monoxide Leak	22		
Gas Leak	35		
Service Calls	635 (15.9%)		
Unauthorized Burning	84		
Good Intent Calls	795 (19.9%)		
Cancelled En Route	554		
Authorized Burning	41		
False Alarms	342(8.57%)		
Alarm system activation- no fire	69		

Building Fire extinguishment breakdown	93
Type of Structure	
1 or 2 Family Structures	46
Multi-family	8
Garages or out buildings	13
Commercial	4
Civilian and Firefighter injuries	
Civilians injured	8
Firefighter injuries	2
Smoke Detectors	
No smoke detectors	46
Smoke detectors alerted occupants	7
Unknown	20
Time of call for structure fires	
0700-1500	38
1501-2300	29
2301-0700	26
0700-1500 was peak time for a fire	
Cause of Fire	
Accidental	25
Undetermined	7
Arson	12
Distict of fire	
Station 1	28
Station 2	11
Station 3	19
Station 4	18
Outside City	17

2016 EMS Statistics

Total EMS Runs	8,270	District Comparisons	
Total Transports to LMH	4,959 (60%)	District 1	3,704(46%)
		District 2	1,800(22%)
Calls by day of the week	Count	District 3	1,869(23%)
Sunday	1140	District 4	760 (9%)
Monday	1327		
Tuesday	1262	Medic Unit Comparisons	
Wednesday	1285	Medic 1	3,602
Thursday	1250	Medic 2	2,466
Friday	1288	Medic 3	2,137
Saturday	1174	Medic 4*	233
		Rescue 1	133
Calls by hour of day	Count	Ladder 2	41
0:00	261	Engine 3	13
1:00	207	EMS 1	71
2:00	171		
3:00	162	*Medic 4 out of service	
4:00	142	most days due to insufficient personnel.	
5:00	167		
6:00	185	Monthly Medic Activity	
7:00	234	Runs per Month	689
8:00	342	Runs per day	22.7
9:00	433	M1 runs per day	9.86
10:00	416	M2 runs per day	6.75
11:00	449	M3 runs per day	5.85
12:00	435	M4 runs per day	.64
13:00	448		
14:00	492	Age of Patients	Count
15:00	486	Pediatric (0 - 13)	289
16:00	474	Adult (14 - 64)	4517
17:00	426	Senior (65+)	2364
18:00	493		
19:00	483		
20:00	439		
21:00	369		
22:00	345		
23:00	296		

2015 EMS Calls by nature of incident

Abdominal Symptoms	259	Trauma - Amputation	2
Abnormal Vital Signs	32	Trauma - Assault	96
Allergic Reaction	34	Trauma - Blunt Injury	62
Altered Level of Consciousness	154	Trauma - Burns	8
Animal Bites / Stings	9	Trauma - Cardiac Arrest	1
Back Pain	40	Trauma - Fall	379
Behavioral / Psychiatric Disorder	390	Trauma - Fracture / Dislocation	15
Cardiac (Chest Pain)	247	Trauma - GSW	5
Cardiac (Chest Pain) - Pressure	262	Trauma - Head Injury	24
Cardiac (Atypical)	92	Trauma - Hemorrhage	22
Cardiac Arrest	45	Trauma - MVC / MCC	127
Choking / Airway	23	Trauma - Obvious Death	0
Diabetic Symptoms	143	Trauma - Pain	42
Dizziness	183	Trauma - Penetrating Injury	31
Environmental Exposure	9	Trauma - Respiratory Distress	0
Gastrointestinal Symptoms (Nau/Vom)	31	Trauma - Stabbing	4
HAZMAT Exposure	1	Unconscious / Unresponsive	59
Headache	72	Weakness	329
Hemorrhage	88		
Hyperthermia	2		
Hypothermia	3		
Hypovolemia	17		
OB-Gyn (Other)	10		
OB-Gyn (Pregnancy / Labor)	20		
OB-Gyn (Vaginal Hemorrhage)	7		
Obvious Death	33		
OD / ETOH Abuse	224		
Other:	42		
Pain	634		
Poisoning / Drug Ingestion	26		
Respiratory Arrest	4		
Respiratory Distress	453		
Seizure	193		
Sick Person (Nau/Vom)	280		
Stroke / CVA	61		
Syncope	116		