

A firefighter in full protective gear, including a helmet and bunker coat, is running towards the right while carrying a large coil of fire hose. In the background, a red and white fire truck is parked on a paved surface. The truck has "FIRE DEPT." on the front and "FIRE RESCUE" on the side. Another firefighter is visible near the truck. The scene is set outdoors with some trees in the background.

# City of Kettering Fire Department



ANNUAL REPORT 2014

# Kettering Mayor and Council

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**2014 Kettering City Council**

**Don Patterson, Mayor**  
Don.Patterson@ketteringoh.org .....299.5512

**Bruce E. Duke, Vice Mayor, District 4**  
Bruce.Duke@ketteringoh.org .....299.2259

**Bill Lautar, At Large**  
bill.lautar@ketteringoh.org .....689.2205

**Amy Schrimpf, At Large**  
Amy.Schrimpf@ketteringoh.org .....429.3896

**Robert Scott, District 1**  
Rob.Scott@ketteringoh.org .....776.2315

**Joseph D. Wanamaker, District 2**  
Joe.Wanamaker@ketteringoh.org .....296.1712

**Tony Klepacz, District 3**  
Tony.Klepacz@ketteringoh.org .....435.9830

**Mark Schwieterman, City Manager**  
Mark.Schwieterman@ketteringoh.org .....296.2412

**Steven Bergstresser, Assistant City Manager**  
Steven.Bergstresser@ketteringoh.org .....296.2412

**Terry Jones, Fire Chief**  
Terry.Jones@ketteringoh.org .....296-2489

Council Office Phone Number: 296.2416  
Council Email: Kettcc@ketteringoh.org  
Kettering Home Page: [www.ketteringoh.org](http://www.ketteringoh.org)

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## Kettering Fire Department Phone Numbers

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### **Emergency .....** **911**

Non-emergency .....	293.2153
Headquarters .....	296.2489
Fire Marshal .....	296.3384
Fire Hydrants .....	296.2489
Open Burning .....	296.3384
Fax .....	296.3265





## Message from the Chief

As the Chief of the Kettering Fire Department, I present to you this report as a summary of the performance and accomplishments of your Fire Department for the year 2014. This report reflects the hard work and dedication of the men and women of your fire department that continue to ensure the citizens and visitors of Kettering receive the highest quality of emergency services.

By any measure, this has been a year of great positive change and innovation within our emergency services delivery system. During this past year we broke ground on the first of four new fire stations, located at 3484 Far Hills Avenue. Given the federal and state mandates for preparedness, these new fire houses will provide the infrastructure necessary to deliver a contemporary, all-hazards emergency response model that will serve you now and for many years into the future.

In addition to our infrastructure improvements, we continually seek new ways to anticipate and respond to the needs of our customers — the citizens of Kettering. The bulk of this is accomplished through our strategic planning process where best management practices are identified. For instance, with the ever-increasing demand for service and the advent of new technologies, we continually update our equipment and training and implement new processes and policies specifically designed to meet your future emergency service needs.

While your firefighters take great pride in delivering an excellent system of services, they are always looking for new ways to serve our community through their charitable efforts. In addition to their annual adopt-a-family program and MDA efforts, this year they participated in the national "Firefighters for Operation Warm" in which they donated 42 winter coats to children at the Kettering City Schools. In all, your firefighters distributed over \$5,000 to local charities continuing their long standing partnership in keeping Kettering the community of choice to live, work and play.

And finally, your Fire Department responded to over 7,800 calls for service last year and in doing so consistently received high marks on our citizen surveys. We remain committed to our community by actively engaging with our schools, neighborhood groups, and community events. We realize our continued success relies on our strong community partnership and our relentless pursuit of excellence in all we do. We as an organization, express our sincerest gratitude for your continued support, as it is truly an honor and privilege to serve with you and for you.



Respectfully submitted,

Fire Chief Terry Jones

# Kettering Fire Department

## The Vision

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OF THE KETTERING FIRE DEPARTMENT  
IS TO SERVE THE PUBLIC  
WITH THE FOLLOWING CORE VALUES:

INTEGRITY

PROFESSIONALISM

COMPASSION

UNITY

HONOR

## Our Mission

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IS TO MEET COMMUNITY NEEDS  
BY DELIVERING AN  
EFFECTIVE SYSTEM OF SERVICES;  
THEREBY MINIMIZING THE IMPACT OF  
FIRE, HAZARDOUS CONDITIONS,  
ILLNESS, AND INJURY  
WITH A CARING AND EFFICIENT  
RESPONSE.



## Core Values

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### **INTEGRITY** – THE KETTERING FIRE DEPARTMENT DEMONSTRATES INTEGRITY BY:

- Being loyal to the Department's vision and mission
- Conducting ourselves with a high level of morality
- Conducting ourselves with the utmost honesty at all times
- Showing self-respect and respect for others
- Taking responsibility for our actions

### **PROFESSIONALISM** – THE KETTERING FIRE DEPARTMENT IS PROFESSIONAL IN ALL ITS ACTIONS BY:

- Appearance and behavior
- Respectful attitude
- Concern and compassion for people
- Training, preparedness, readiness and response

### **COMPASSION** – THE KETTERING FIRE DEPARTMENT DEMONSTRATES COMPASSION TO ITS MEMBERS AND THE COMMUNITY IT SERVES BY:

- Reconciling differences with an open mind
- Showing kindness and concern to our employees and citizens
- Being sympathetic and displaying empathy for others
- Giving consideration to all facts surrounding issues

### **UNITY** – THE KETTERING FIRE DEPARTMENT RECOGNIZES THAT EVERY EMPLOYEE IS A VALUED MEMBER AND PARTNER IN THE FIRE DEPARTMENT FAMILY BY:

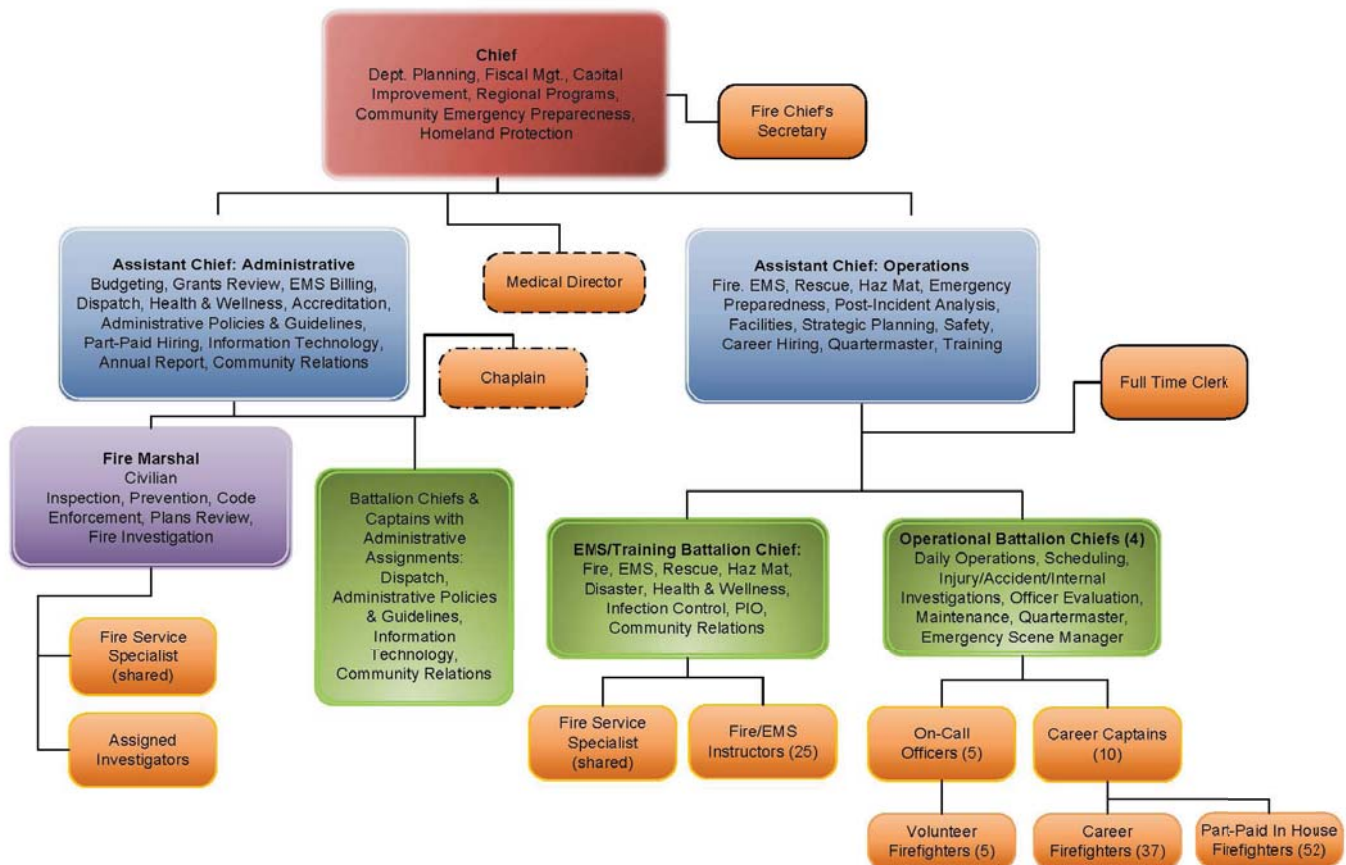
- Supporting a team-oriented approach to issues
- Valuing input from all members of the Department
- Communicating openly and honestly, at all levels, without fear of reprisals
- Creating a consistent, trusting, pro-active work environment that promotes feelings of security in all members of the Department

### **HONOR** – THE KETTERING FIRE DEPARTMENT DEMONSTRATES HONOR BY:

- Being respectful of others at all times
- Ensuring actions are done with the goal of the Department having the highest level of reputation
- Conducting ourselves so that we are admired by the community
- Acting with honesty, integrity and fairness at all times

# Kettering Fire Department

## Organizational Chart



Rev. 12/14





## Department Overview

Today, the Kettering Fire Department embraces the philosophy of providing a comprehensive all-hazards mitigation approach to our emergency delivery system. During 2014 we responded to 7,856 emergency incidents, including a wide variety of emergencies ranging from medical incidents and auto extrication to hazardous chemical spills, technical rescue scenes, and structure fires. The members of the Kettering Fire Department are honored to serve this community each and every day. We value the rich

history of our profession and recognize the awesome responsibility to be ready to respond to the community's emergency needs. Our organization is committed to providing the best level of customer service and the most efficient and effective system of emergency services possible. This past year was yet another year of progressive change and overall improvement to our emergency services delivery model. Our members work diligently throughout the year to improve our overall operational effectiveness

to better meet the needs of this community.

Kettering Fire Department is working to provide the optimal emergency management service through a series of modernization programs which will serve to systematically improve our facilities, equipment, and capabilities over the next several years. This system of progressive change, upgrades in infrastructure, and enhancements in equipment and technology will set a solid foundation for the future success of this organization.



*New Ladder 32 placed in service in 2014.*



# Kettering Fire Department

The key to our success rests within the dedicated men and women who serve this organization. In order to provide effective emergency services to the level this community has come to expect, our personnel embraced the following core values of Integrity, Professionalism, Compassion, Unity, and Honor. In accordance with our mission, KFD personnel provide an effective system of services necessary to minimize the impact of fire, hazardous conditions, illness, and injury with a caring and efficient response. Our personnel take great pride in serving this community and strive to be fully prepared each and every time that we may be called upon to respond and assist the citizens of this community in their time of need. The Kettering Fire Department embraces a philosophy of professional development and succession planning to ensure all personnel have the necessary skills, knowledge, and abilities to succeed.

The Kettering Fire Department continued to make significant changes in 2014 to meet objectives, improve response capabilities, and enhance the emergency

Emergency Response Call Type	Number of Incidents	Percentage
Emergency Medical Services	6,192	78.82%
Public Assist	523	6.66%
False Alarm	273	3.48%
Investigation	123	1.57%
Carbon Monoxide Alarm	100	1.27%
Mutual Aid Given - Fire	88	1.12%
Gas/Vapor Leak	79	1.00%
Wires Arc/Down	78	0.99%
Fire Recreational	62	0.79%
Fire Single Engine	61	0.78%
Fire Residential	54	0.69%
Flood in Structure	44	0.56%
Fire Apt./Multi-Family	31	0.39%
Fire Commercial	31	0.39%
Police Assist	19	0.24%
Car Fire	18	0.23%
Mulch Fire	17	0.22%
Grass Fire	15	0.19%
HazMat/Fuel Spill	15	0.19%
Accident w/Structure	13	0.17%
Fire Reported Out	12	0.15%
Entrapment	6	0.08%
Bomb Threat	1	0.01%
Water Rescue	1	0.01%
<b>Total Incidents</b>	<b>7,856</b>	



## Department Overview (cont.)

services for the community while maintaining fiscal responsibility. Implementation of the modernization plan to improve quality service delivery continued throughout the year and was manifest in a variety of aspects including: apparatus replacement, new facility construction, personnel recruitment, and professional training.

and training, the department's new staffing model provides a more efficient and sustainable emergency response model and will provide experienced supervisory capabilities for safer and more effective emergency scene management. Kettering Fire Department was proud to hire some of the area's finest personnel in 2014 to support this

any additional funding to our annual budget.

The Strategic Fire Station Planning Program to provide industry compliant fire facilities for safe and efficient emergency response moved into the implementation and construction phase in 2014. Land was purchased, architectural designs were approved and construction began. Numerous public meetings were held to educate the community on the need for these new facilities as well as to seek community feedback regarding how best to incorporate the new facilities into the existing surrounding. City staff from all departments participated in a cooperative planning session to ensure all aspects of the plan were covered. The city began construction on Station 32 in September and plans to begin construction on Station 36 in the spring of 2015. This overall project will span the next several years and will provide outstanding facilities to meet the needs of a modern day emergency services organization.

In conjunction with the Strategic Apparatus Replacement Plan, the department accepted delivery of a new fire engine and an aerial ladder in 2014



*Ground breaking ceremony for Station 32, 3484 Far Hills Ave.*

The Fire Department implemented significant changes in staff development, recruit training, and quality assurance during the year to enhance service delivery on a 24-hour basis and to ensure effective personnel resources. Due to our investment in personnel

new staffing model and to serve in both our full time and part-paid positions. It is remarkable to note that the staffing model changes, which greatly enhance our emergency response, continue to be implemented within our existing fiscal resources and without

# Kettering Fire Department

to replace aging apparatus and to ensure safe and effective emergency response by providing outstanding equipment and apparatus in a fiscally responsible manner. The new fire apparatus were purchased through EMS billing revenues.

In 2014, the department continued to enhance our technology infrastructure to meet the needs of a modern emergency service organization. This collaborative effort included a team of city staff from Administrative Systems, GIS, Dispatch, IT, KPD, and the Fire Department who worked diligently throughout the year to expand our capabilities within the new Alert Public Safety System, which is a comprehensive records management and computer-aided dispatch system. This new system continues to enhance the efficiency of our emergency operations by providing an integrated dispatch system for rapid call processing and dispatch of emergency crews, comprehensive field data management, and effective record management to meet state and federal requirements. The system allows access for essential field data to enhance crew



*Kettering firefighters engage the community to enhance safety through education.*

safety and emergency scene management. Over the course of 2014, numerous upgrades and enhancements were completed to improve the Alert system and expand its capabilities to include the use of pre-plans and inspection data in the field.

Throughout 2014, the members of the Kettering Fire Department were actively engaged in serving the community. The department implemented a new fire safety educational program throughout all kindergarten through third grade classrooms in 2014. In addition, Station 36 personnel initiated a weekly reading program within several Kettering

elementary schools. KFD crews were active in the community checking fire hydrants, teaching CPR, conducting fire safety programs, visiting pre-schools, installing child safety seats, speaking to civic groups, and participating in community events.

The men and women of the Kettering Fire Department proudly serve this community and work diligently to make Kettering a great place to live, work, and play. Please continue to explore the 2014 Kettering Fire Department Annual Report to learn more about the exciting things that are happening within your fire department!





## Emergency Medical Services

The men and women of the Kettering Fire Department (KFD) answered 6,192 emergency medical service (EMS) calls from our residents in 2014. Our paramedics and EMTs handled these alarms with great pride

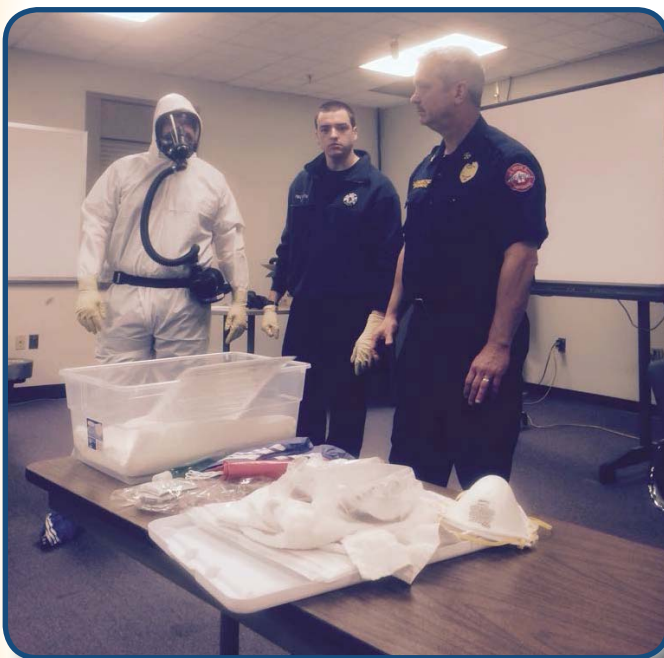
and takes great effort in the services delivered to the public in emergency medical services. Many of our members received recognition for their outstanding actions in 2014.

In our ongoing efforts to strive for excellence, the Kettering Fire Department experienced many changes and updates in our medical program for 2014. Early in the year, KFD welcomed Dr. Brian Springer as the department's new Medical Director to provide guidance and medical oversight. Dr. Springer is currently employed by Wright State University and serves as Associate Professor, Director, Division of Tactical Emergency Medicine. Dr. Springer previously served on the State of

during critical life-threatening emergencies. This skill allows our paramedics to oxygenate our patients in the most difficult and complicated cases.

In order to stay proficient in all aspects of emergency medicine, the members of KFD attend ongoing training as part of their professional development. These trainings include, but are not limited to: advanced airway maintenance, cardiac care and cardiac alerts, acute stroke care, traumatic injuries, pediatric emergencies, and pharmacology. Our members received over 2,300 hours in EMS training in 2014. Comprehensive training was provided through instruction from KFD experienced paramedics who are state of Ohio certified EMS instructors along with instructors from Kettering Medical Center, Miami Valley Hospital, Dayton Children's Hospital and other outside agencies.

In order to ensure high quality medical care, the Kettering Fire Department implemented a comprehensive new Quality Assurance/ Quality Improvement (QA/QI) program for our EMS operations in 2014. This



*Infection Control and Ebola Preparedness Training*

and professionalism. EMS makes up a large portion of the emergency response services provided by KFD in the agency's all-hazard mitigation system. However, these services adjoin rather than preclude the organization in other areas, such as firefighting, technical rescue, and HazMat operations. The Kettering Fire Department

Ohio EMS Board which operates at the state level to determine the specific functions performed by our paramedics and medical personnel. Under the direction of Dr. Springer, KFD personnel were trained to perform an advanced airway management procedure called surgical cricothyrotomy in the field enhancing our capabilities

# Kettering Fire Department

EMS Call Type	2014 Totals
Illness	930
Injury from Fall	884
Difficulty Breathing	751
Chest Pain	384
Heart Problem	330
Unconscious/Unknown	311
Injury	296
Mutual Aid Given - EMS	219
Auto Accident w/Injury	216
Stroke	216
Seizures	203
Abdominal Pain	200
Diabetic Problem	167
Medic Alarm	148
Unknown Problem	128
Back Pain	118
Severe Bleeding	102
Overdose	93
Psych/Mental	75
Full Arrest	70
Allergies	68
Suicide Attempt	43
Assault	38
Laceration	32
Choking	28
Headache	28
Pregnancy	26
Deceased Person	22
Nose Bleed	20
CO w/Illness	11
Animal Bite	8
Eye Problem/Injury	8
Burns	6
Trauma/Stab/Gunshot	6
Child Birth/Labor	3
Heat/Cold Emergency	3
Drowning/Pool Accident	1
<b>TOTAL</b>	<b>6,192</b>

system was developed in conjunction with the new Alert Records Management System implemented in 2013. The QA/QI findings are reported within the organization and regionally to ensure optimal EMS delivery to our customers. The QA/QI program begins with patient care reports, which are reviewed for documentation standards and quality of patient care. Following the review, our personnel receive direct feedback including any opportunities to improve. In addition, the department utilizes this information to create training opportunities to improve performance and capabilities. The QA/QI program ensures our members are delivering optimal service delivery to the customers we proudly serve.

Along with the regional participation in the QA/QI program, Kettering Fire Department participates in numerous initiatives for emergency medical response, HazMat and rescue, as well as Ohio Task Force One. Kettering regularly serves on numerous committees and participates in the Regional Physician Advisory Board (RPAB). In 2014, KFD engaged in the regional plan for EMS response to active shooter incidents. This program is endorsed by the International

Association of Firefighters, the International Association of Fire Chiefs, and the United States Fire Administration to provide effective medical care under dynamic conditions. The goal of the program is to allow for a better prepared response to incidents such as those at Aurora, CO; Columbine High School; Virginia Tech; and the Washington Navy Yard.

2014 brought about the awareness and preparedness for Ebola type incidents. Ebola, also known as Ebola Hemorrhagic Fever, is a rare and deadly disease caused by one of the Ebola virus strains. To date the Ebola virus is carrying roughly a 50% mortality rate. KFD, along with the region, prepared for a collaborative approach to respond to these types of incidents. The Kettering Fire Department worked with Dayton MMRS, Public Health of Dayton and Montgomery County, Montgomery County Human Services, and the Greater Miami Valley EMS Council for an appropriate and expedient response. Kettering Fire Department continues to pursue the most highly effective, efficient, and professional approach to emergency medical services. Through training, experience, and cooperation, we strive to meet the emergency needs of all who live, work or play in the City of Kettering.



## Training Bureau

In the realm of modern emergency management and effective public safety response,



*Ice Rescue Training 2014*

it is paramount that emergency responders have the appropriate knowledge, skills, and abilities to effect positive outcomes. The Training Bureau is tasked with providing the necessary resources and educational opportunities to ensure our staff are well prepared to respond to the community's emergencies. KFD embraces an all-hazards mitigation approach to provide extensive training for members in a variety of fire, medical, hazardous materials, and technical rescue disciplines. In 2014, training topics to include new recruit training, fire suppression and tactics,

emergency medical services, and specific technical rescue disciplines were offered to challenge all members of the Fire Department and enhance professional development. The Training Bureau continues to expand in our efforts to train our members to the highest level possible in order to ensure that the Kettering Fire Department delivers superior emergency services to this community. In 2014, the department completed over 11,000 hours of training and professional development! Training was conducted on a variety of common and special topics to ensure that the department is prepared for any non-criminal emergency that confronts

this community. Included in the 2014 Training Curriculum were: Core Competency Training / Check-offs on all basic job functions, ice/water rescue, Ebola preparedness and infection control, extensive medical training, and advanced auto extrication to include school bus extrication training. Our Command Staff continued to participate in the nationally recognized Blue Card Incident Command Certification Program. This program provides critical information to assist the department's Fireground Officers with tools to effectively lead and manage critical emergency scenes in a safe, consistent, and effective manner. Every day is a training opportunity where we teach, mentor, and challenge our personnel to answer the question, "Are you prepared?"

Training Type	Hours
<b>EMS Training</b>	<b>2,350</b>
Cardiac	181
Geriatric	104
Pediatric	446
Trauma	311
General	1,308
<b>Fire Training</b>	<b>8,231</b>
<b>Officer Development</b>	<b>740</b>
<b>Other</b>	<b>15</b>
<b>TOTAL</b>	<b>11,336</b>



# Kettering Fire Department

## Technical Rescue

Technical rescue is defined as a rescue situation that presents more complex and dangerous circumstances than what fire departments normally encounter. These types of incidents require a higher degree of training and specialized equipment to conduct safe operations. Several types of incidents are categorized as technical rescue incidents including: water rescue, confined space rescue, trench and excavation rescue, high and low angle rope rescue, structural collapse rescue and vehicle/machine rescue. Although this list is not all inclusive in the context of technical rescue, these disciplines have been identified through a needs analysis within the City of Kettering as a job function requirement. As such, the Kettering Fire Department has created a Technical Rescue Team of 16 rescue specialists who are trained at a higher level for this type of emergency response. This team provides service to both our community as well as the region.

The Technical Rescue Program is guided by two National Fire Protection Association (NFPA) standards. NFPA 1670 Standard on Operations

and Training for Technical Search and Rescue Incidents and NFPA 1006 Standard for Technical Rescuer Professional

while minimizing threats to rescuers." NFPA 1670 also declares, "The authority having jurisdiction (AHJ) shall establish levels of



### *Improving survival with advanced auto extrication training*

Qualifications. As stated in National Fire Protection Association 1670 Standard on Operations and Training for Technical Search and Rescue Incidents, "The standard shall identify and establish levels of functional capability for conducting operations at technical search and rescue incidents

operational capability needed to conduct operations at technical search and rescue incidents safely and effectively based on hazard identification, risk assessment, training level of personnel, and availability of internal and external resources."



## Technical Rescue (cont.)

In the continuous progression of implementing a detailed and documented Technical Rescue Program, Kettering Fire Department conducted several trainings in 2014 to enhance knowledge and

capabilities. KFD members attended a NFPA 1006/ NFPA 1670 compliant heavy vehicle and bus extrication training. This training was conducted in cooperation with the City of Kettering School's - Bus

Transportation Services and Sandy's Towing and Heavy Rigging. KFD instructors researched and developed this training to meet our community's needs. The Heavy Vehicle Extrication Training was

offered to KFD members as well as departments throughout the region. KFD also conducted confined space rescue trainings utilizing the Miami Valley Fire Alliance regional simulator. In our efforts to develop the Rescue Program and ensure adequate resources are available to mitigate technical rescue incidents, the department purchased a

Technical Rescue Trailer in 2014 to be utilized for trench rescue and structural collapse rescue. This trailer will allow the department to respond more efficiently to these types of incidents and will carry special equipment needed to safely operate in these dangerous environments.

*Sandy's Towing assists with heavy vehicle extrication training.*



*Advanced skills and stabilization techniques*



# Kettering Fire Department

## Fire Station Strategic Plan / Construction Update

In 2014, the City of Kettering entered into the implementation and construction phase of the Fire Station Strategic Plan which was initiated in 2006 in response to aging infrastructure and inefficient facilities. The analysis found that Kettering's current fire stations fail to meet industry standards, lack the physical space and design for 24-hour crews, are undersized for modern day fire apparatus, and lack available land to properly allow for the improvements necessary to upgrade to current standards. This long term facility sustainability plan calls for the construction of four new fire facilities the next several years.

The new stations were recommended as a result of an extensive planning process which took place over the past eight years and was incorporated into the comprehensive modernization strategy of the Kettering Fire Department. The city held multiple public meetings and met with key

stakeholders to gain input on the design of the new stations. These new stations will provide appropriate facilities for the storage and safety requirements of modern apparatus in addition to modern facilities to accommodate 24/7 operations. The facilities will be located

scheduled to be complete by the end of 2015.

Starting in early 2015 the City of Kettering will be breaking ground on its second of four new fire stations. This station will be located at 4745 Hempstead Station Road. This facility will replace Fire Station 36 and will include



### *Building effective facilities to enhance emergency response capabilities*

to provide more effective response from strategic areas throughout the community.

On September 19, 2014, the City broke ground on the first of these new facilities – Fire Station 32 at 3484 Far Hills Avenue. This station is currently under construction and is

features like a community training room, emergency backup dispatch capabilities, the City of Kettering emergency operations center, as well as the department's administrative offices. Construction is scheduled to be complete on this fire facility in the second quarter of 2016.





## Fire Prevention Bureau

In 2014, the Fire Prevention Bureau worked diligently to ensure that Kettering remains a safe place to live, work, and play. Fire Marshal Bill Ford continued to provide essential support to the Planning and Development Department by conducting over 161 plan reviews, construction inspections, acceptance tests of fire protection systems, and final occupancy requests. Unlike many communities where the fire department and building departments duplicate efforts in inspecting and conducting acceptance testing activities, Fire Marshal Ford is cross certified as a Fire Protection Inspector and spends approximately 60 percent of his time in support of planning and development which promotes efficiency for both departments.

Construction-related activities are given a high priority because they are typically time sensitive and help to promote additional jobs within the community and ensure business retention. Through this relationship many businesses completed or began construction and renovation projects on or ahead of schedule in 2014. Listed here are just a few examples of these projects:

- Complete overhaul and modernization of the fire alarm system at One Lincoln Park.
- Construction was completed for the new Dunkin' Donuts located on East Stroop Road.
- Construction was completed on an additional building at the Charlotte Gardens development.

- Plans were reviewed and construction began on the Premier Health facility in the Kettering Business Park.
- Planning was completed and construction began on the first of four new Kettering fire stations.
- Multiple renovation projects continued throughout the Kettering Medical Center.

In addition to the construction and renovation projects, the Fire Prevention Bureau worked diligently to ensure that existing commercial properties remain compliant with the Ohio Fire Code. To ensure this compliance, more than 145 inspections were conducted at commercial properties throughout the city. These properties included preschools, daycares, restaurants, bars, healthcare facilities, and many others. Through these inspections more than 800 fire code violations were discovered, and nearly all of these violations have been resolved or are in the process of being resolved.

An area of great focus in 2014 for the Fire Marshal was fire code compliance within all of the public and private schools in the community.

Fire Prevention	2014 Totals
Initial Inspections	63
Construction Inspect.	15
Re-Inspections	82
Violations Issued	838
Violations Resolved	691
Plans Reviewed	161
Total Activity	1,850

# Kettering Fire Department



These schools consist of 18 facilities totaling more than one million square feet of building space! In addition to inspecting the schools, the Fire Prevention Bureau completed inspections for 20 child daycare centers. These inspections help these centers maintain their state licensure while also ensuring these facilities remain a safe place for the children.

Annual fire safety inspections were conducted for the entire Kettering Medical Center Complex, including the Kettering College of Medical Arts facility. The comprehensive inspection of this ever-increasing complex hospital facility is required by the U.S. Department of Health and Human Services. These inspections are also necessary to ensure that the

facility is eligible to receive Medicare and Medicaid funding which is critical to the hospital's economic vitality. The Kettering Medical Center is the largest employer within the City of Kettering.

The Fire Marshal provided guidance and expertise as a member of the Technical Working Group for the proposed County/City Migrated Radio System Implementation Project. The Fire Marshal's office further assisted with the programming of essential volunteer pagers and engine house alerting systems which resulted in significant savings to the City. During 2014 the Fire Prevention Bureau conducted several investigations of fires within the community to provide cause and origin

services to fire crews. The Fire Marshal is assisted by a part-time investigator.

## Hydrant Program

In 2014, Montgomery County Water Department corrected many of the deficiencies found through the hydrant function tests conducted in 2013. In addition, our summer hydrant crews cleared debris and obstructions while painting over 1,000 hydrants throughout the city. This maintenance is done to increase the life expectancy of the fire hydrants while maintaining the esthetic appearance of the hydrants. During the summer months of 2015, KFD will be conducting hydrant function tests again to ensure hydrants are kept in a state of readiness for use in the event of a fire.

Public Education Events	2014 Totals
Block Parties	15
Car Seat Installations	122
CPR Classes	94
CPR Certifications	1,042
Station Tours	27
Other Events	85
<b>Total Events</b>	<b>1,385</b>



## Community Relations

### Public Education

In 2014, the Kettering Fire Department continued to educate residents through traditional methods while experimenting with new techniques to advance its fire and life safety message. Fire department crews engaged with the community in a variety of traditional educational methods. During 2014, Kettering Fire Department

Aid Courses! These courses resulted in the issuance of over 1,000 certifications and prepared both our residents as well as city staff with the skills to potentially save lives. Programs such as these when paired with community AED programs significantly enhance survivability in case of a cardiac emergency.

Kettering Fire Department in conjunction

and to ensure the proper installation of more than 120 child and infant car seats. This program provides essential information and a hands-on approach to keeping our community's youngest residents safe as they travel on Kettering roadways and beyond.

The department continued to host the Kettering Leadership Academy for a day of practical hands-on exercises to allow community leaders the opportunity to experience firsthand what it's like to use the "Jaws of Life" and other hydraulic tools to extricate trapped victims of an auto accident. The group gained valuable knowledge as to exactly what it takes to train and equip a modern day fire service to be ready to answer the call and effectively mitigate citizen's emergencies during their time of need. The group also gained perspective on the physical and mental challenges of the profession by simulating some of the activities that our personnel must perform on a daily basis.



*Touch-A-Truck 2014: Educating the next generation of firefighters*

took new approaches in an effort to better reach our residents of all ages.

Kettering Fire Department was active in 2014 facilitating more than 90 American Heart Association CPR and First

with the Police Department and Safety Section hosted monthly Child Passenger Safety Fitting Stations. Through this program, our city staff took the opportunity to educate parents in child safety

In 2014, the department experimented with a new teaching method to educate residents of a broad range of ages. With assistance from the Miami Valley Cable Council, department members



# Kettering Fire Department

filmed an educational video teaching the importance of fire prevention as well as preparedness. This film was distributed along with educational literature to every kindergarten through third grade class room in the city. We were grateful to have teachers throughout Kettering embrace the program during National Fire Prevention Week and help ensure that children know how to prevent fires from occurring in the home and how to react if a fire does occur.

The past year also presented the department with an opportunity to partner with the Dayton Metro Library. Through this partnership, department members were given the opportunity to deliver fire safety messages to preschoolers as well as adults. Preschool aged students were shown what a firefighter would look and sound like if there was a fire. This community experience and training helps prevent children from hiding out of fear in the event of a fire. Presentations were also offered to adults through this partnership with the Dayton Metro Library. These presentations gave adults an opportunity to learn about

historical context such as the Great Chicago Fire and the lessons learned in the wake of this tragic event.

Another new opportunity offered in 2014 was a day camp called "Firefighter For a Day." This day camp was offered through the Kettering Recreation Complex following National Fire Prevention Week. This one-day camp gave children age 8 to 12 an opportunity to have a hands-on experience of the life as a firefighter. These students were given the chance to: operate a real fire hose, try on a firefighter's uniform, and create fire evacuation plans for their homes. These students were also given the opportunity to eat lunch with one of our fire crews and ask questions about what life is like as a firefighter.

Public education will remain a priority to help

ensure that Kettering is a safe place to live, work and play. The Kettering Fire Department will continue to look into new ways



*Firefighter/Paramedic Nate Hall reading to school children.*

to educate residents of all ages while nurturing the training methods that have proven successful for years.

Twitter: @KetteringFireOH

Facebook.com/ketteringfire

Website: [ketteringoh.org/departments/fire](http://ketteringoh.org/departments/fire)



## Community Relations

### Social Media

The Community Relations Team of the Kettering Fire Department actively seeks opportunities to better serve the residents and visitors of the City of Kettering. In 2014, the department continued to ensure that its web page provides valuable information to citizens while using Twitter and Facebook as additional mediums by

unattended cooking, and the importance of practicing fire evacuation plans. This team will continue to expand the reach of its fire safety message as well as better inform residents of fire department's activities.

### Partners in Protecting our Community

The Kettering Professional Firefighters - IAFF Local 2150 engaged the community, both while

group continued its long standing tradition of helping families in need through the 26<sup>th</sup> annual Adopt-a-Family program. With assistance from the Kettering City Schools, Meijer and other local businesses: 7 families and 22 children were adopted and provided with presents, utility assistance, and a nice holiday meal.

2014 marked the first year that our firefighters joined with the national program "Firefighters for Operation Warm" to provide 42 winter coats to the Kettering City School children who didn't have an adequate winter coat. It is their intent to grow this program in 2015 through fund-raising to be able to double the number of coats provided to children in need within the Kettering community. The Kettering Professional Firefighters collectively were able to distribute over \$5,000 to local charities during 2014 and hope to continue to be "Partners in Protecting our Community" through engaged community service in assisting as many local charities as possible.

### Smoke Detector Program

Every home should have at least one working smoke detector on each level as well as one detector



*26<sup>th</sup> annual Adopt-a-Family program*

which information can be disseminated. Essential safety messages were sent out throughout the year to remind residents about hazards such as holiday decorations, candles,

on duty as members of the Kettering Fire Department, as well as off duty as concerned citizens and were able to provide assistance to many local charities during 2014. The firefighters'

# Kettering Fire Department

in each sleeping room. Having detectors in the appropriate locations provides occupants with the early notification essential to survival in case of a fire. The Kettering Fire Department operates a Smoke Detector Program to assist residents in need by making smoke detectors available for their use. This program is made possible through both corporate and private donations. This program serves to educate residents on the dangers of fire and the need for working smoke detectors to provide early notification that a fire hazard exists.

For a resident to be eligible to participate and receive one of these detectors, they must provide proof of residency along with a written fire evacuation plan for their home. The requirement of the evacuation plan is an essential component to ensure that families take time to create an evacuation plan that meets the need of their specific home as well as the specific needs of each person living in the home. Numerous smoke detectors were distributed in 2014, and as a result of this program, the community relations team has had the opportunity to assist families in creating an effective



*Local elementary children helping to display coats that will be distributed through Operation Warm program.*

evacuation plan for their homes and improving the safety of their families.

If you are a Kettering resident and are in need of a smoke detector in your home, simply call Kettering Fire Department Headquarters to make an appointment to meet with a member of the community relations team to review your evacuation plan.

## **Knox Box Program**

A Knox Box is a secure lock box that allows emergency crew to access an unoccupied structure, eliminating the need for forced entry, ultimately causing less damage to the

structure. The Fire Prevention Bureau continues to educate residents and businesses on the importance of having a Knox Box to allow safe and efficient access during an emergency. Throughout Kettering, there are nearly 300 businesses and residences equipped with a Knox Box. This is one of many methods used by the Kettering Fire Department to keep property loss to a minimum while ensuring quick access can be made to a structure in the event of an emergency. For additional information or to obtain a Knox Box for your business or home, contact the Fire Prevention Bureau.





## Personnel Updates

### NEW EMPLOYEES

**PATRICK ARCHAMBEAU**

Part-Paid/Volunteer Firefighter/EMT

**MICHAEL BOWMAN**

Part-Paid/Volunteer Firefighter/EMT

**MATTHEW BRADSHAW**

Part-Paid/Volunteer Firefighter/EMT

**LEE CATERSON**

Part-Paid/Volunteer Firefighter/EMT

**COURTNEY DEAN**

Part-Paid/Volunteer Firefighter/EMT

**RICK FENNELL**

Part-Paid/Volunteer Firefighter/EMT

**RYAN FLAKE**

Part-Paid/Volunteer Firefighter/EMT

**RYAN GARVER**

Part-Paid/Volunteer Firefighter/EMT

**BRYCE KUHN**

Part-Paid/Vol. Firefighter/Paramedic

**JUSTIN LAKES**

Part-Paid/Volunteer Firefighter/EMT

**KEVIN McMAKEN**

Part-Paid/Volunteer Firefighter/EMT

**TIMOTHY PATTEE**

Part-Paid/Volunteer Firefighter/EMT

**THOMAS REED**

Part-Paid/Volunteer Firefighter/EMT

**JESSE SCHAFER**

Part-Paid/Volunteer Firefighter/EMT

**RAY STOLARSKI**

Part-Paid/Vol. Firefighter/Paramedic



*Mayor Patterson swearing in new part-paid firefighters.*

# Kettering Fire Department

## Personnel Updates

### PROMOTION



Battalion Chief Yike began his service to this community in 1976 as a volunteer firefighter and was hired full-time in 1981. Ed was promoted to a Captain in 2001 and then to Battalion Chief in 2008. He also served as a Fire Instructor and Dispatcher for many years. During his tenure, Chief Yike achieved an extensive resume of fire service certifications and experience, which made him invaluable as an instructor and a leader for the department. In 2002, Ed was awarded the Greater Miami Valley EMS Council's Outstanding EMS Professional Award, which recognized his outstanding work as an Emergency Medical Dispatcher, Emergency Medical Technician, and his critical incident decision making. We wish to extend our congratulations to Battalion Chief Ed Yike on his retirement and for 38 years of dedicated service to this community!

### CAPT. ROBERT FOWLER

Promoted October 2014

Capt. Fowler began his service to this community in 2004 as a volunteer firefighter and was hired full-time in 2008. Rob has worked diligently throughout his career to improve the organization and contributed to numerous projects, including our part-time mentorship program, trainer for the department's EMS report writing software, and designer of our small engine repair program. Capt. Fowler has demonstrated his knowledge and skills in the realm of both Fire and EMS and was most recently named Career Firefighter of the Year in 2013. Congratulations to Captain/Paramedic Rob Fowler!



### RETIREMENT

**BATTALION CHIEF ED YIKE** – 38 years of service



## Annual Awards Ceremony

Kettering Fire Department held its annual awards ceremony on March 11, 2015, to summarize 2014's departmental highlights, including employee recognitions for years of service and many exemplary service, and other departmental and city awards.

### Years of Service Awards

#### 5 YEARS

Matt Abel  
Brian Schwartz  
Chris Waddell

#### 10 YEARS

April Stapleton

#### 15 YEARS

Brian Beaver  
Jeff Corey  
Nate Cox  
Jim Koller  
Mitch Robbins

#### 25 YEARS

Dennis Nevin  
Kevin Townsend

#### 30 YEARS

Pete Graham  
Gary Rowland  
Stan Wilson



*Chief Jones, Lt. Pete Graham*



*Chief Jones, Lt. Stan Wilson*



*Chief Jones, FF Gary Rowland*



# Kettering Fire Department

## Firefighters of the Year

*The Firefighter of the Year is awarded to the firefighter, one in each of the career and part-paid volunteer firefighter ranks, that exemplifies the true meaning of commitment and pride in the organization for the current year.*

### 2014 CAREER FIREFIGHTER OF THE YEAR: FF/PM JEFF GREENUP



*Chief Jones, FF/PM Jeff Greenup*

#### FF/PM Jeff Greenup

FF/PM Greenup has been a valued member of this department since 2000 and has consistently taken on a variety of projects to improve our operations.

Most recently, Jeff was chosen to be a lead administrator of the department's software programs and has worked tirelessly to ensure each component was implemented correctly. FF/

PM Greenup has become the subject matter expert for Alert, Telestaff, and GroupWise and has made himself available to assist our members both on and off duty.

In all aspects of the fire service, FF/PM Jeff Greenup has been the consummate professional who strives to improve the service delivery to our community through innovation, instruction, professional-development, and outstanding customer service.



### 2014 PART-PAID/VOLUNTEER FF OF THE YEAR: FF/PM MATT ELDRIDGE



*Chief Jones, FF/PM Matt Eldridge*

#### FF/PM Matt Eldridge

FF/PM Eldridge has been with the department since August of 2011 and was initially one of the only part-time paramedics on the department.

Since 2011 Matt has been a stand out employee with an impeccable work ethic, always willing to step up and take on any task assigned to him. In 2014 FF/PM Eldridge was assigned to work with Platoon 2 and

has become an integral part of the crew.

Matt consistently works to better himself by seeking professional development and learning opportunities outside our department. Matt further utilizes his experiences and leadership as a military medic to benefit our department and this community.

Due to his excellent work ethic, positive attitude, and commitment to excellence, Matt was presented the Firefighter of the Year Award.



## Life Saving Awards

*The Kettering Fire Department's Life Saving Award is a prestigious and incredible honor awarded to active duty personnel whose direct actions save the life of person whose heart has stopped beating and shows no signs of life. This award is only achieved when the patient who was clinically deceased is not only resuscitated and regains life sustaining functions, but moreover is able to make a full recovery and resume normal life activities. It is one of the most rewarding accomplishments any member of this organization can make in the course of their career and to know that their actions contributed to saving the life of another human being. To understand the significance of the last statement, the individual that is saved must be discharged from the hospital and resume normal life activities.*

**Capt. Ethan Klussman**  
**FF/PM Nick Andrews**  
**FF/PM Pete Burcham**  
**FF/PM Sean Gallagher**  
**FF/PM Brandon Rentz**

On January 26, 2014, The Kettering Fire Public Safety Dispatch center received a 911 call for a male patient who was experiencing difficulty breathing. The fire dispatcher gathered the necessary information and immediately dispatched Quint and Medic 36's emergency crews to assist. While enroute, the caller stated the patient was now unconscious. Upon arrival, emergency crews entered the home and found their patient lying on his bed with no heartbeat and no respirations.

This alarm had quickly escalated in severity from difficulty breathing to patient now in cardiac arrest. KFD personnel, through training and field experience, prepare for the worst case scenario, and for this alarm,

that training and intuition proved vital. The crews had taken all appropriate medical equipment into the home and quickly took action providing Advanced Life Support care. Members of the crews were able to simultaneously initiate critical care while gathering important information regarding the patient's medical history. Personnel began life sustaining CPR, initiated advanced care and used the Life Pack 15 to deliver the life-saving shock. The patient regained a pulse and spontaneous respirations

after approximately 8 minutes of critical interventions and effective Advanced Life Support. The patient was transported to Miami Valley Hospital South while providing oxygen and supportive care.

This alarm shows how the importance of early notification of 911 when the patient first began to experience difficulty breathing, quick emergency response, and the importance of how highly trained medical professionals working in the field can save lives.



**Capt. Ethan Klussman, FF/PM Nick Andrews, FF/PM Sean Gallagher, FF/PM Pete Burcham, FF/PM Brandon Rentz**

# Kettering Fire Department

## Life Saving Awards

Capt. Ethan Klussman  
FF/PM Nick Andrews  
FF/PM Sean Gallagher  
FF/PM Nathan Hall  
FF/PM Brandon Rentz

On February 19, 2014, the Kettering Public Safety Communications Center received a critical life threat 911 call for an injury and rapidly dispatched emergency crews. Quint and Medic 36 crews were dispatched to a report of a traumatic injury call and

staged for KPD to secure the scene. On arrival, crews found the patient lying on a couch with very shallow respirations, no palpable pulse and significant trauma to the abdomen. The crew rapidly assessed the patient and determined the presence of life threatening injuries. Based on the primary medical assessment, the crew swiftly moved the patient to their cot and then to the medic for rapid treatment and transport. For severe traumatic injuries, time is



*Capt. Ethan Klussman, FF/PM Nick Andrews, FF/PM Sean Gallagher*



*Chief Jones, FF/PM Nate Hall*

of the essence to provide the best chance of survival. The crews recognizing this spent less than 5 minutes on scene which was in itself a life saving measure. During the rapid transport to Miami Valley Hospital South, the crew provided advanced life support techniques for fluid replacement and effective CPR. The efficient and effective actions taken by these medical professionals were essential to this patient's survival. The excellent field care, combined with a rapid transport to the closest hospital, and the outstanding trauma care at the hospital to stabilize the patient were essential actions in order to save the patient's life.





## Life Saving Awards

On March 27, 2014, the Kettering Communications Center received a 911 call for an unresponsive female and rapidly dispatched the crews from Engine and Medic 36 to assist. While enroute to the scene, responding crews were advised that the patient had been exhibiting classic signs of a heart attack prior to becoming unresponsive and that CPR had been initiated by the patient's family member Marylin Berardi, who is also a nurse.

In less than 5 minutes from the time of the call, KFD crews arrived on scene and found their patient to be in Cardiac Arrest. Kettering Fire Department members assumed patient care and began resuscitation efforts. The crews resumed high quality

CPR and simultaneously prepared Advanced Life Support interventions.

KFD crews worked diligently to continue administering advanced life saving interventions and drug therapy in an attempt to stabilize the patient and regain a functional heartbeat. During this incident the patient's heart experienced six changes in cardiac rhythms vastly complicating her care. KFD's paramedics expertly interpreted these changes and delivered multiple defibrillations with the Life Pack 15 as well as numerous pharmacological interventions in an attempt to restart the patient's heart. This patient went in and out of cardiac arrest multiple times and our crews constantly re-

Capt. Marcus Hoholick  
FF/PM Cameron McElroy  
FF/EMT Dennis Nevin  
FF/PM David Roth  
FF/PM Josh Rigg

assessed her condition and responded with appropriate care.

Shortly after moving the patient to the medic, crews evaluated that the patient now showed signs of purposeful movements, and eventually regained consciousness. The crew evaluated the patient's heart rhythm through 12-lead monitoring equipment and alerted Kettering Medical Center to initiate a cardiac alert and prepare an interventional team to take the patient immediately to the cath lab.

This alarm is a true testament of the American Heart Association's Chain of Survival and why early recognition of the signs and symptoms of a heart attack, bystander CPR, and rapid response from emergency crews is so important. Recent studies have proven that early and effective CPR is critical to a patient's survival in a cardiac arrest. This patient is alive today due to the efforts of her family member and the outstanding medical care from the members of Engine and Medic 36.



*FF/EMT Dennis Nevin, Citizenship Award winner Marylin Berardi, FF/PM David Roth, FF/PM Josh Rigg*

# Kettering Fire Department

## Life Saving Awards

Dispatcher Eva Conley  
Capt. Mark Williamson  
FF/PM Sean Gallagher  
FF/PM Steve Green  
FF/PM Kirk Mellendorf  
FF/PM Juston Wilson

On August 7, 2014, Kettering emergency crews were called to a beauty salon where a bystander witnessed a worker collapse. The series of events that happened next are a testament to Kettering's Public Safety Dispatch Center and our emergency response system. If we break this call down to each of the emergency services, you will get a look into all the pieces of an actual emergency medical alarm.

The 911 call came into our Public Safety Dispatch Center where an emergency medical trained dispatcher answered the call and immediately started medical instruction for the caller to initiate CPR. Since all of the dispatchers, Police and Fire, are EMD (Emergency Medical Dispatching) trained, the call was handled by multiple dispatchers in the center. The fire dispatcher dispatched

the closest fire and medic units, while Dispatcher Eva Conley initiated live saving instructions, and the police dispatcher sent patrol units. This allowed fire and police units to be dispatched within 47 seconds from time of call! Dispatcher Conley, calmly took control of the call and gave critical lifesaving instructions to the caller. The fire dispatcher supervisor stated, "It was apparent that Eva's calm and professional direction helped save the patient's life."

On that afternoon, Aubrey Groh was in the process of getting her hair

done when she witnessed her hair dresser collapse to the floor. Aubrey immediately called our 911 Emergency Dispatch Center to notify them of the medical emergency. She quickly tried to gather as many bystanders as she could to aid in the overall efforts to save this patient's life. After recognizing that the patient was not breathing, Aubrey began life saving CPR to give the patient the best possible chance at survival with instructions given by our emergency medical dispatcher.

*(Continued on next page)*



*Dispatcher Eva Conley, FF/PM Sean Gallagher, FF/PM Steve Green, KPD Officer Jennifer Smithhart, FF/PM Kirk Mellendorf, Citizenship Award Winner Aubrey Groh, FF/PM Juston Wilson, Capt. Mark Williamson*



## Life Saving Awards

Shortly after dispatch, KPD Officer Jenn Smithhart arrived on scene and used her CPR training to assist the bystanders with CPR before KFD's arrival.

Fire and EMS crews arrived within 4 minutes 12 seconds of dispatch and placed the patient on the Life Pack 15 Cardiac Monitor which showed a shockable rhythm. With one defibrillating shock the patient regained a heartbeat and pulse. The quick reaction of the crews allowed them to deliver this life-saving shock, prepare the patient for transport and arrive at the hospital within 15 minutes of their arrival on scene. The total time of this call was 20 minutes from the time the 911 call was answered until the patient was at the hospital.

This call shows the importance of every piece of our emergency services system. From the calm demeanor and professional instruction of Dispatcher Eva Conley, the cooperative response of the other dispatchers to get fire and police crews enroute, to KPD Officer Smithhart's effective CPR and the quick response of the fire crews with life-saving advanced cardiac care. The entire public safety services system proved its effectiveness in saving a member of our community.



*Chief Jones, Citizenship Award Winner Aubrey Groh*



*Chief Jones, KPD Officer Jennifer Smithhart*



# Kettering Fire Department

## Life Saving Awards

Capt. Troy Schwable  
FF/EMT Jeff Braun  
FF/EMT Pete Graham  
FF/PM Jeff Greenup  
FF/PM Bill Korb

On September 7, 2014, the Kettering Public Safety Communications Center received a 911 call for an unknown medical problem. Dispatchers rapidly processed and dispatched the alarm and began to provide critical pre-arrival instructions. KFD Engine 34 and Medic 34 responded with Advanced Life Support equipment and personnel. Upon arrival, the crews found the patient on the floor, face down in cardiac arrest. These crews immediately began CPR to perfuse the heart followed by oxygenation, electrical defibrillation, and advanced pharmacological therapies to attempt to resuscitate



*FF/EMT Pete Graham, FF/PM Jeff Greenup, FF/PM Bill Korb, Capt. Troy Schwable*

and stabilize the patient. The electrical defibrillation placed the patient into a normal cardiac rhythm. The patient regained a pulse, started to breathe on his own and was then placed in the back of the medic unit for transport to Kettering Memorial Hospital.

The crews continued to provide Advanced Life Support care throughout the transport to the hospital and transfer care to the emergency department staff. The hospital staff provided effective cardiac care and 8 days later the patient was released.





## Life Saving Awards



Capt. Mark Williamson  
FF/PM Zach Joyce  
FF/PM Kirk Mellendorf  
FF/EMT Jesse Schaffer  
FF/PM Ray Stolarski

On November 17, 2014, at 22:01 hours, the Kettering Public Safety Communications Center received a 911 call for an unresponsive patient. The dispatchers rapidly processed the call, dispatched emergency crews and began critical pre-arrival instructions to the caller. Kettering Fire

Department's Medic 36 and Quint 36 were dispatched within 35 seconds of the call and given updated information while en-route. On arrival, the emergency crews found a 52 year-old-male patient lying on the living room floor unconscious. The patient's wife stated she witnessed her husband collapse and called 911 immediately. The emergency crews identified the patient was in cardiac arrest and rapidly initiated Advanced Cardiac Life Support care in an attempt to resuscitate the patient. After administering

five defibrillations (shocks) and numerous rounds of advanced pharmacologic therapies, the patient had a return of spontaneous circulation (which means his heart started beating again and he regained a pulse). The crew then prepared the patient for transport and provided advanced medical care enroute to Kettering Medical Center. Upon arrival to KMC, the hospital staff continued the life sustaining measures to allow the patient the opportunity to make a full recovery from this traumatic event.

In this case, for a patient to survive this type of cardiac event and make a full recovery from cardiac arrest, the emergency management system worked flawlessly from the first 911 phone call, to rapid dispatch of appropriate resources, efficient response from highly trained medical crews, effective care on scene, and safe transport to a cardiac interventional facility. Each aspect of the emergency delivery system worked effectively to provide the best possible chance of survival for this patient.



*FF/EMT Jesse Schaffer, FF/PM Kirk Mellendorf, FF/PM Ray Stolarski, FF/PM Zach Joyce, Capt. Mark Williamson*

# Kettering Fire Department

## Life Saving Awards

Capt. Troy Schwable  
FF/PM Howard Cobb  
FF/EMT Brad Gilbert  
FF/PM Nate Hall  
FF/EMT Brian Sanders

On November 18, 2014, Kettering Public Safety Communications Center received a 911 call for an unresponsive patient. Dispatchers rapidly sent Quint 36 and Medic 32 crews while simultaneously initiating emergency medical dispatch questions and pre-arrival instruction to the caller. Upon arrival, Quint 36 found a male patient was unresponsive with a weak pulse and labored breathing. The crew of Quint 36 quickly determined the patient to be in critical condition and began emergency medical treatment. When the medic crew arrived, the determination was made to rapidly move the patient to the medic for transport. This turned out to be a vital assessment and critical action because as soon as the crews loaded the patient in the medic, he went into cardiac arrest. Due to experience and skill, the crews began CPR and initiated Advanced Life Support measures



*FF/PM Howard Cobb, FF/PM Nate Hall, Capt. Troy Schwable*

to include assessment, airway management and airway obstruction removal, pharmacologic and electrical therapies. The patient regained electrical heart activity but no palpable pulse. Resuscitative efforts continued at Miami Valley South Hospital where he regained a normal cardiac rhythm and a return of circulation upon transfer of care to the Emergency Room Code Team. These pre-hospital actions provided critical support to allow the patient the

best possible chance of survival. American Heart Association states advanced life support care in less than four (4) minutes from time of arrest and witnessed by medical crews greatly increases the chance of survival. Due to the crew's ability to recognize a rapidly deteriorating patient, quick movement to the medic and critical life-saving treatment enroute to the hospital, this team of medical professionals saved the life of this patient.



# ***Saving Lives Through Fire Prevention and Education***



[www.ketteringoh.org](http://www.ketteringoh.org)