

Kenosha Fire Department  
4810-60<sup>th</sup> Street

Kenosha, WI 53144  
Phone (262) 653-4100  
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CHARLES E. LEIPZIG Jr.  
Fire Chief

CHRISTOPHER BIGLEY  
Deputy Chief

May 1st, 2018

Mayor John Antaramian  
City Administration  
625 52<sup>nd</sup> Street  
Kenosha, Wisconsin

Honorable Mayor Antaramian:

I present to you the 2017 Kenosha Fire Department Annual Report. All of the members of the Kenosha Fire Department have worked diligently to attain the goals set forth as well as the eternal goal to improve our efficiency, competence and customer service. Our 2018 goals will indicate that this organization is always looking forward to the pursuit of excellence. The support of City Administrative staff as well as Common Council has paved the way for another successful year. I thank you all.

Respectfully,  
Charles E. Leipzig

Chief of Department  
Kenosha Fire Department





F.P.B.

2017

**F Kenosha Fire Department  
Annual Report**

**Vision**

Maintain and organization that is highly adaptable to external forces, an educated and technically competent workforce, and provides public service well beyond what is expected and required.

HAZMAT

KENOSHA, WI



## Chief's Report

2017 was a year of change and activity. I was promoted to Probationary Fire Chief in December of 2016 and had a full year in rank as of yearend 2017.

### **Of immediate concern to me were the following:**

- The redeployment of Truck #4 to Med Unit #2 to serve an increasing call for Medical Response service in the south-east corner of Kenosha.
- Moving forward the proposed Section #108 loan to consolidate Fire Stations #3 (2121 Roosevelt Rd.) and Station #5 (2125 Washington Rd.).
- Working with Kenosha Firefighters Local #414 to create a successor agreement (contract) that had expired at the end of 2015.
- Promoting a Deputy Chief, 4 Captains, 3 Lieutenants, 3 Apparatus Operators to fill vacancies as a result of retirements.
- Interviewing and hiring 7 new members.
- Updating the hiring criteria as requested by the Police and Fire Commissioners to develop a workforce that is more diverse.
- Creating groups of individuals on committee levels and in specialty assignments to effectively and efficiently handle essential tasks that are unique to this organization.

These were all completed or underway within first quarter of 2017.

### **Of on-going concern were the following items:**

- Continued relationship with Kenosha firefighters' Local #414. This collaboration resulted in adding 4 additional paramedics on the road with little impact to the budget.
- Creating and improving relationships with City and County Government.
- Improving customer service.



- Revamping Rig and Tool allocation to address continued needs in a very limited budget.
- 
- Continuation of planning and designing the new “Consolidated Fire Station” at the former Bain Elementary school.
- 
- Moving our reporting systems for Fire and Medical calls to a new platform to be in compliance with national reporting systems as required by the Federal Government.
- Hire a new Medical Director as the former Medical Director’s contract expired in late 2017.
- Adding additional administrative office staff to handle an increasing work load.
- Review of all of our current Policies and Procedures as required by the accreditation process.
- Create a budget that remained consistent outside of the contracted pay raises and benefits.
- Worked with Kenosha County Joint Services to move from emergency dispatching to New World Cad, which puts both organizations into National Federal compliance.
- Finished several CIP projects that upgraded the bathroom at Station #4, the concrete approaches to Stations #4, #6 and #7. Upgraded the kitchens at Stations #2 and #7 and repaired a major portion of the boiler at station #5.
- Creating an environment that fosters growth and leadership within the ranks.
- Revamped and updated our “peer mentor” program to handle the stresses associated with the emotional aspect of emergency response work.
- Added an additional Fire Department Chaplain to aid in the increasing workload of the existing Chaplain.

### **Goals for 2018:**

- Complete the engineering plan and budget for the new consolidated fire station for project move-in early 2019.
- Complete the refurbishing of 2 rescue squads.
- Start and plan a multiple year CIP plan for major renovation and systems replacement for Fire Station #4.



- Start early on a successor agreement to the contract with Kenosha Firefighter Local #414 as this will expire at the end of 2018.
- Update our promotional process to identify leadership traits that are keys to success for the future of this organization.
- Identify leaders within our ranks that have a vision for the success of this Department and foster this growth.



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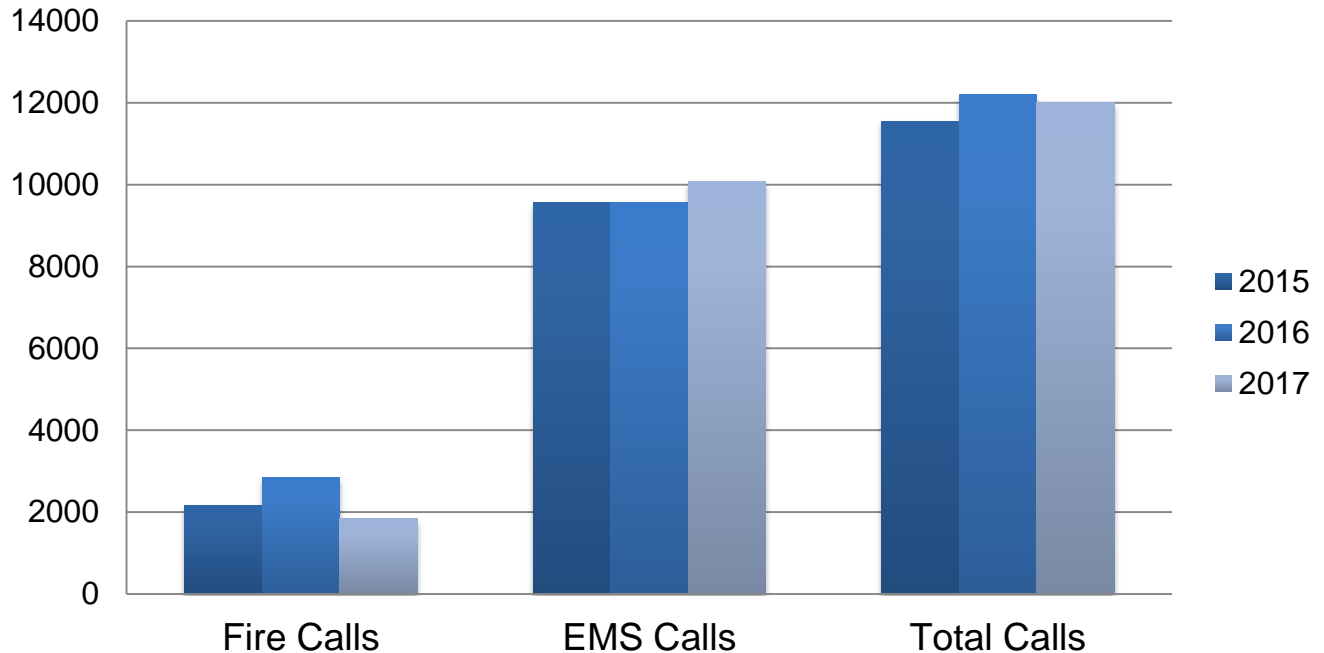
CHARLES E. LEIPZIG Jr.  
Fire Chief

# Run Summary And Recognitions 2017





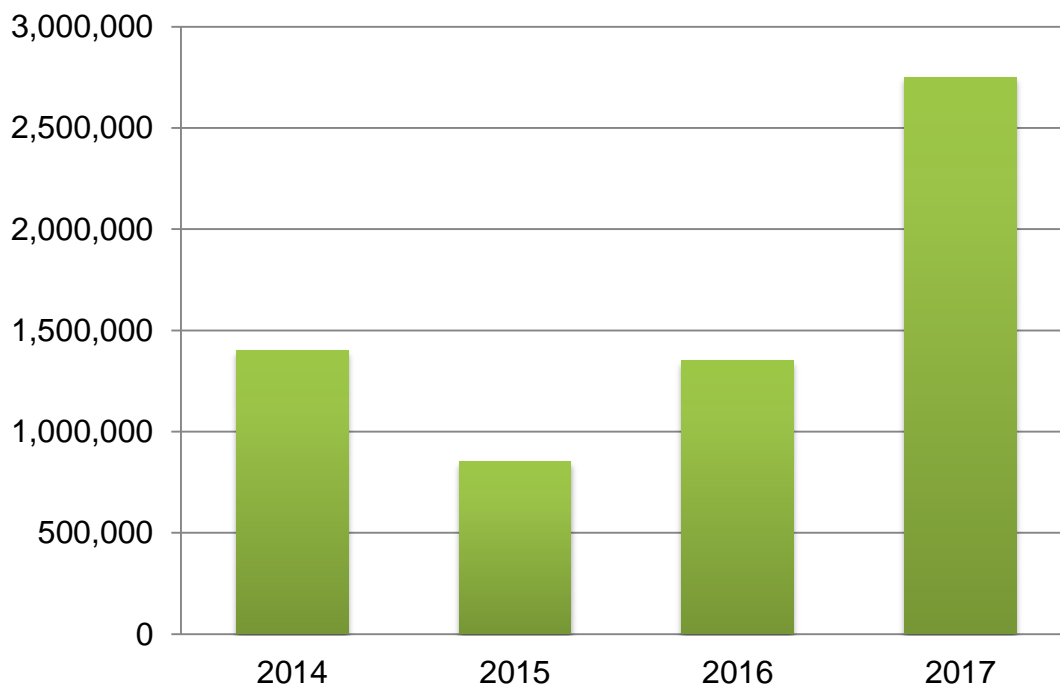
## Amount of Calls



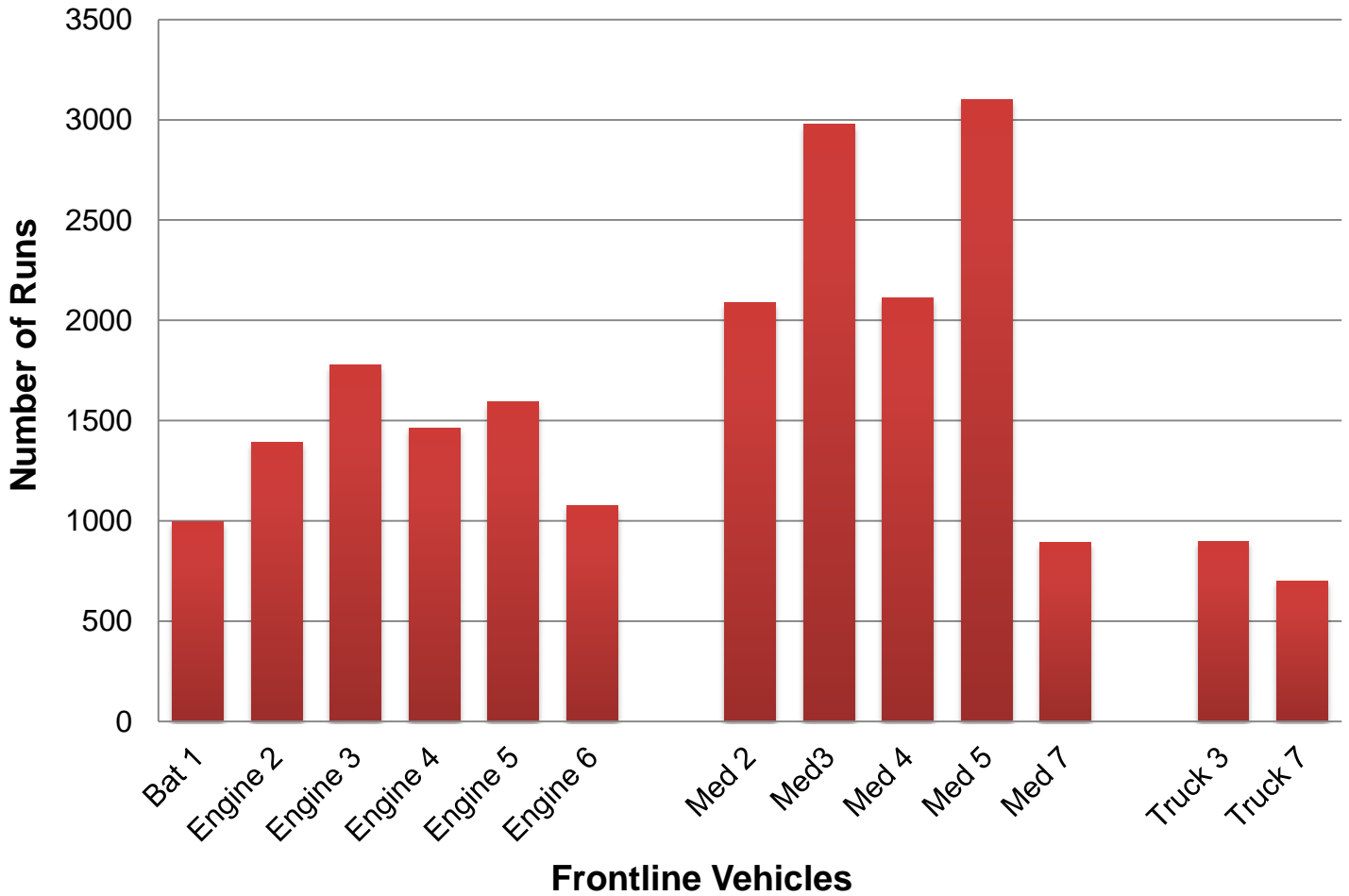
### Interpreting the Data,

2017 was down for total call volume by just under 1% and Emergency Medical calls were up over 9% from 2016. This does validate the redeployment of Truck #4 crew to Medical Unit #2. However, the data below indicates that Fire Loss for 2017 was abnormally high and trended upward and this year, we over doubled our fire loss (table below) while incidences of fire calls themselves decreased 67%. While the Fire incidences decreased, the loss increases which can be interpreted to mean the losses we have are of substantially greater value.

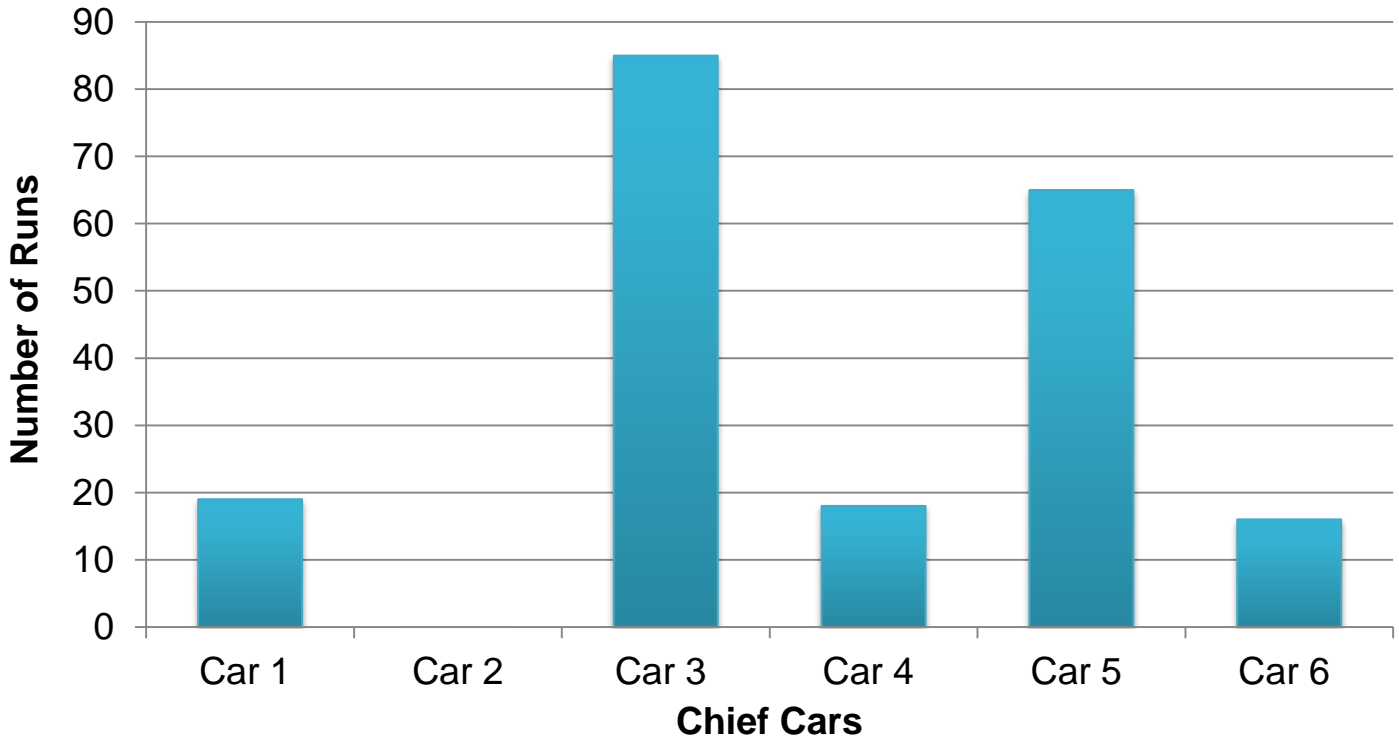
## Fire Loss in Dollars



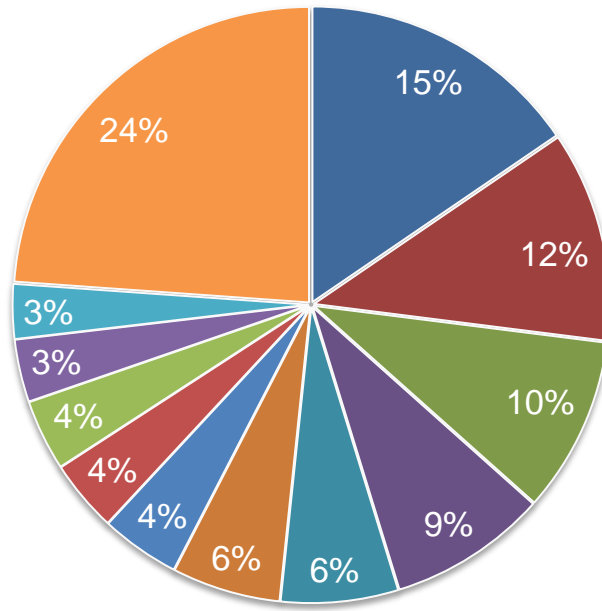
## Total Apparatus Responses



## Total Chief Responses

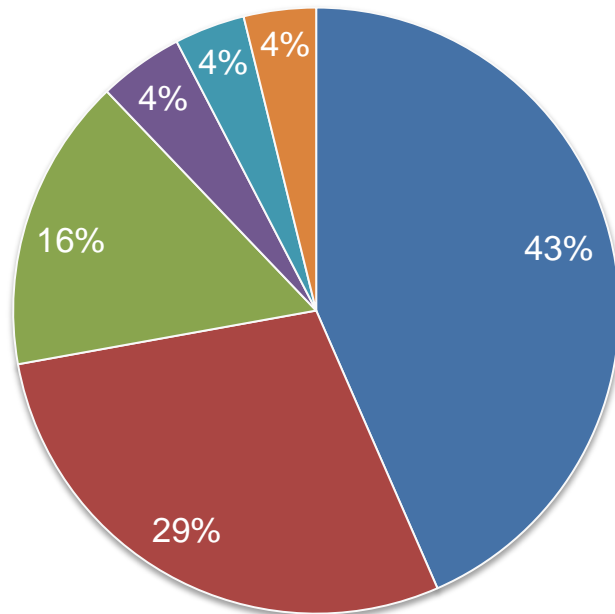


## Types of Runs



- Falls
- Sick Person
- Unconscious
- Pain
- Transportation Accident
- Person Down
- Convulsions
- Overdose/Poisoning
- Breathing Problem
- Chest Pain
- Abdominal Pain
- All Other

## Treatment Provided by Emergency Medical Service Runs



- Treated / Transported with Basic Life Support
- Treated / Transported with Advanced Life Support
- Denial of Injury- No Treatment/Transport Required
- No Patient Found
- Patient Treated, Released (AMA)/No Transport
- Dead at Scene, Refusal, Assists or Cancelled

## Perfect Attendance 2017

Ahler, Joseph  
Bonovich, Lars  
Dahl, Kyle  
Flannery, Neil  
Glass, William  
Jaslowski, Ryan  
Krynski, Kristian  
Lewis, Timothy  
Moss, Dale  
Osmanski, Steve  
Punzenberger, Mark  
Santelli, Guy  
Schuppe, James  
Stahl, Matthew  
Tolbert, Harry

Belsky, Andrew  
Cage, Cory  
Dahl, Steven  
Fonk, Kelly  
Haerter, Matthew  
Johnson, Anthony  
Laack, Scott  
Martin, Joshua  
Murphy, Paul  
Pisciotti, Robert  
Radandt, Daniel  
Schmidt, Christopher  
Sosa, Lewis  
Steidtman, David  
Vogt, Brian

Bigley, Christopher  
Castelli, Joshua  
Eschmann, Nicholas  
Froeber, Jace  
Hoff, Kyle  
Johnson, Jeffery  
Leipzig, Charles Jr.  
McNeely, Ryan  
O'Connell, Daniel  
Poltrock, James  
Rummelhart, Brian  
Schroeder, Kenneth  
Spair, Samual  
Tietz, Kevin  
Weidner, Jeffery

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James Poltrock  
Division Chief of EMS

# Emergency Medical Service Division 2017



The Emergency Medical Services (EMS) division of the Kenosha Fire Department remained the busiest division in terms of calls for service in 2017. Nearly 85% of 911 calls to the Kenosha Fire Department were requests for emergency medical services. KFD EMS responded to over 11,000 calls for service for emergency medical care and over 8,000 patients were transported to one of the three area hospitals. Approximately 73% of the patients transported received basic life support (BLS) level assessment and care while 27% received advanced life support (ALS) assessment and care.

Approximately 20% of the calls for EMS in 2017 were time sensitive and required a rapid response by EMS personnel. These types of calls included cardiac arrest, difficulty in breathing, chest pain, traumatic injury, stroke, allergic reaction and drug overdose. Sadly, the leading causes of death in people 30 years of age and younger were overdose and trauma.

In 2017, pre-hospital emergency care was provided by 74 paramedics and 74 EMTs. All calls were answered with a paramedic response that included, as a minimum, 2 paramedics and 1 EMT. Transport to the hospital was provided by 5 paramedic-level ambulances. The addition of Med 2 in July 2016 has proven to be the greatest improvement to the EMS system of care in Kenosha since Station 7 opened in 1997. Continuing education and training was completed to keep providers current and competent. Over 2,500 hours of state mandated and department required training on EMS-related topics were provided. New equipment and medications were added with the intent of providing the best care possible to our patients.

The EMS division applied for the American Heart Association Mission Lifeline award and won the “Gold Plus” level of recognition- the highest there is- for the care that was provided to patients who suffered an acute coronary event. The division was awarded the Bronze award in 2014 and Silver in 2016. Dr. Charles Cady, our medical director for 10 years, ended his tenure on December 7<sup>th</sup>. The RFP and selection process to find a suitable successor took most of the fall. Dr. Ben Weston from the Medical College of Wisconsin was chosen and formally took over as the new KFD medical director on December 8<sup>th</sup>. He has been busy learning about the department and is actively redesigning the continuous quality improvement processes.

The electronic patient care reporting system was updated to meet the new requirements of the National EMS Information System (NEMSIS). Training on the new hardware and software took place in March and April and the new system went “live” on June 1<sup>st</sup> with few problems. The tools in the new “Elite” system are very powerful in regards to querying data about the nature of the service the EMS division provides and when and where it occurs. This has allowed us to share important information with other community stakeholders, including the Kenosha County Health Department, to determine the health care needs and problems in the city.



Operational changes in the way the department responds to EMS calls are being considered. The national movement is away from a strictly response-focused mode to one of working with other community stakeholders to prevent future illness and injury. The department is giving consideration into putting a Mobile Integrated Healthcare (MIH) unit in service in the City of Kenosha. Much like the mission of the Fire Prevention Bureau, which focuses on preventing fires before they start, a MIH unit could provide community risk reduction services for the large volume of low acuity calls we respond to. An example of this would be “fall” calls which account for 17% of the total EMS calls for service. A MIH unit would act as a “front-line” link between citizens who require care and assistance that EMS cannot provide with the agencies in the community that can. A mobile integrated healthcare unit, typically a Ford Explorer or Chevy Tahoe type of vehicle, could respond to incidents where extensive care and transport to an emergency department are not needed or required. This would free up other resources making them available to respond to other high-acuity calls and would save money by sending a smaller, more mobile and much less expensive piece of equipment on low acuity type calls.

The EMS Division has set as one of its long-term goals to pursue and acquire accreditation through the Commission on the Accreditation of Ambulance Services (CAAS). The process of self-assessment has already started. Ultimately the division will be objectively evaluated against established and respected standards that define how the best EMS systems operate. Since the KFD EMS system has no competition, the responsibility to ensure excellence is on the department. The process of pursuing accreditation is a powerful tool to accomplish this goal. As the healthcare system in the United States continues to shift towards a “pay for performance” model, the requirement for EMS systems to be accredited, much like hospitals are through the Joint Commission on Healthcare, will become a reality. Pursuing accreditation voluntarily now through a program that is geared towards EMS system improvement is a lofty but attainable goal.

Respectfully Submitted:

James Poltrock

*Division Chief of Emergency Medical Services*



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Ryan P. McNeely  
Division Chief of Training

# Training and Safety

## Division

### 2017





In order to support the Mission Statement of the Kenosha Fire Department, the Division of Training and Safety assumes the responsibility of providing continuous training to new and current members of the department, establishing and adhering to safe work practices in hazard zones, and maintaining the administrative duties that are required by both the department and Wisconsin State Statute Chapter SPS 330.

Training and preparation is tailored to create effectiveness, efficiency, and safety when responding to incidents. The Kenosha Fire Department provides for the training of its employees through several programs that include various types of methodologies designed to meet the needs of the department both fiscally and operationally.

Operational duties within the division include:

- Developing and scheduling all fire department training activities
- Conducting and/or supervising other instructors assigned to deliver training
- Developing training programs and curriculum
- Coordinating training equipment, apparatus and training aids
- Coordinating training with company officers and evaluating performance
- Maintaining individual training records and updates to the training calendar
- Ensuring compliance with all appropriate national and state standards
- Preparing and implementing the Training Division operating budget
- Serving as the department Safety Officer and responding to emergency scenes
- Chairing the Occupational Health and Safety committee
- Performing Command duties as required
- Serving as the KFD delegate to the Kenosha County Chief's & Captain's Association
- Conducting Post Incident Analysis and critiques of major incidents
- Processing and approving department educational requests
- Recommending modifications to department policies and procedures
- Preparing strategic plans and advising the Fire Chief on future department needs
- Investigating duty-related accidents and injuries
- Performing other collateral duties as directed by the Fire Chief

The goal for the Training Division in 2017 was to continue to ensure that the basic fundamental skills of all firefighters in all ranks were reassured. This is in-line with the requirements set forth in SPS 330.07 – Training and Education. Adherence to this state statute will continue throughout 2018. Task books for Probationary Firefighters, Apparatus Operators, and Lieutenants continue to be updated and serve as guide to help prepare each individual for their new role within the department. A captain's task book was developed in 2016 and was implemented in January 2017.



With fewer structure fires, the high risk/low frequency events continue to be a priority in training. Members are asked to utilize their SCBA in both self-rescue events and events that simulate rescuing a downed firefighter. The RIT training that is conducted twice a year continues to reinforce the skills necessary for our members to remain safe during high risk emergencies.

In addition to regular RIT training throughout the year, 2017 saw the introduction of a Health & Wellness initiative. Topics such as visiting a primary your physician, exercise, diet, and other areas related to health and fitness were assigned throughout the year. Health & Wellness was addressed through monthly training with an end goal of establishing a permanent Health & Wellness Program created and designed for the Kenosha Fire Department. This process will continue into 2018.

Additional training aimed at supporting our company officers was launched in 2017. The professional development offered to company level officers included Company Officer Leadership Academy (COLA) as well as access to Blue Card. Blue Card is a command training and certification system that trains company and command officers how to standardize local incident operations across their organization. Professional development for company level officers will continue through 2018.

The Kenosha Fire Basic Recruit Training Academy of 2017 encompassed a class of 7 recruits. This class pushed the instructors to perform at their highest levels of teaching skills as they prepared the recruits for their new career. I have the fullest confidence in our pool of experienced instructors to produce the finest firefighters possible. The "Red Book" (task book) implemented in 2013, has allowed the New Recruit to have valuable continuing development during their first year of service. It takes approximately 60 hours of additional training to complete the task book.

In the role of Safety Officer, the Division Chief of Training and Safety responded nearly 100 incidents throughout 2017. This type of response requires the officer to be available to for call 24/7. The type of calls included structure fires, water related emergencies, vehicle accidents, hazardous material situations, and other situations that warranted a Safety Officer being implemented into the command structure. Unfortunately, it is near impossible for one person to be on-call every day of the year. In order to improve the availability of a Safety Officer in 2018, the Training Division will once again try and implement a program that will not only benefit line officers by providing incident command exposure, but provide for an on-call Safety Officer with availability 24/7, throughout the year.

The training and programs that were delivered in 2017 will continue to be provided by the Training Division in 2018. The purpose is to ensure that the Kenosha Fire



Department members are highly educated and technically competent in their positions. With this high level of training standards, the Kenosha Fire Department will continue to provide the exceptional service the citizens of Kenosha have come to expect and deserve.

Respectfully Submitted:

Ryan P. McNeely

*Division Chief of Training & Safety*



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John Vos  
Firefighter/Paramedic

# Breathing Air

## Division

### 2017



The following report is a summary of activities completed by the Air Division for the year 2017.

## **Goals**

In the beginning of 2017, seven major goals were identified by the Division:

1. Make certain the Air Division complies with codes and standards
2. Maintain all equipment within the Air Division: SCBA packs, SCBA masks, compressors, gas monitors
3. Ensure all personnel within Kenosha Fire Department are properly tested
4. Take delivery and implement new Gas Monitors
5. Take delivery of new compressor for Station 4
6. Continue to improve the tasks associated with the Air Division
7. Educate members of Kenosha Fire Department on the importance of SCBA's and air quality

## **Maintenance of Equipment**

The Air Division was successful with a quick turnaround time on repairs presented to us. At times the components needed to be repaired by outside companies but we stayed abreast of the situation to return items into service. We take great pride in our work and are eager to learn new challenges presented to us.

## **Testing**

We were successful with testing of personnel with fit test, flow test of 2<sup>nd</sup> stage regulator, and N95. We are also involved with the testing of return to work personnel. This has proven to be important as the return of one of our members needed a new mask size for obvious safety reasons. Along with fit testing we also review the use of the SCBAs and proved a good review for members that are taken away from such important safety equipment.

This year required some training bottles to be hydro tested. Breathing air samples were taken from both compressors throughout the year with no significant findings

## **Education**

Continuing education has been a priority in the Air Division and we continue to follow the needs of the department. We explore industry trends and stay in tune to standards. We received great feedback from our practical trainings this year. As instructors, we were satisfied in the enthusiasm of all members involved in the scenarios. We will continue to be the best fire department through education. Kenosha firefighters are well versed in SCBAs of the use, maintenance, and troubleshooting. The men and women will have minimum of two opportunities per year with SCBA training with safety and air management in mind.



## **Present Status**

The Air Division has gained and maintained our relationships with vendors and manufacturers. This pays big rewards when we need parts, direction, and/or repair. I look forward to going to FDIC this year as we can continue to monitor industry standards/changes. Meeting with the reps from numerous companies have benefited the success of the Air Division.

## **Goals For 2018**

1. Maintenance of all equipment within the Air Division
  - a. SCBA packs
  - b. SCBA masks
  - c. SCBA cylinders
  - d. Install Air Compressor
  - e. Implementation of new Gas Monitors
2. Annual fit test, 2<sup>nd</sup> stage regulator flow test, N95 testing, and SCBA pack flow test
3. Implementation of Interspiro team talk
4. Begin training on Interspiro telemetry
5. Relocating air compressor currently at Station #3 to Station #7 (see below)

## **Items to Consider for the Future**

- Ever changing industry standards
- Potential cost increase of Air Division operations due to industry standards
- Need for additional training with new equipment
- Time for Air Division members to complete tasks in a timely matter with increasing demands each month

## **Financial Report**

Closing statements indicate the Air Division was \$11,885.35 under budget for 2017. This is due to competitive bid evaluations and most repairs done in house. Like last year we still had a bottle credit through Interspiro that was a large part of an air cart purchase. This will be used primarily for investigations, but has more opportunities to benefit this organization.

There are items we do not repair such as SCBA software with the packs and HUDs. The voice amplifiers are also sent to Interspiro if minor repairs are not successful in house. Air Division will include a detailed financial document with this report. I am more than willing to discuss any items that we purchased throughout 2017.

Respectfully Submitted:

John Vos  
*Firefighter/Paramedic*



Kenosha Fire Department  
4810-60<sup>th</sup> Street  
Kenosha, WI 53144



Guy J. Santelli II  
Division Chief of Fire  
Prevention Bureau

Phone (262) 653-4100  
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# Fire Prevention Bureau 2017



## **Division Responsibilities**

In 2017 the Fire Prevention Bureau was staffed by two personnel, Division Chief Guy J. Santelli II and Assistant Division Chief Theonita A. Cox. The Division is responsible for the following activities on a daily basis:

- Fire Inspections
  - New construction
  - New occupancy
  - Liquor license
  - Community-based residential facilities
  - Mobile home parks
  - Salvage and scrap license
  - Christmas tree lots license
  - Theater & entertainment license
  - Existing buildings
  - Bi-annual Line Fire Inspections
- Public Education Programs
  - Children's' Fire Safety House
  - Kingfish Games
  - Community Service Events/Speaking Engagements
  - Juvenile Fire Setter Program
  - Fire Extinguisher Training
  - Home Inspections
  - School programs (all levels)
  - Emergency Management/Disaster Preparedness
- Fire Investigations
  - Building fires
  - Vehicle fires
  - Explosions
- Plan Reviews
  - New commercial buildings
  - Remodeled commercial buildings
  - Fire alarm systems
  - Sprinkler systems
  - Clean agent extinguishing systems
  - Kitchen hood systems extinguishing systems
  - Emergency plans

The primary function of the Fire Prevention Bureau in 2017 consisted of overseeing the fire inspections of existing buildings by line personnel and phased inspections of new construction to ensure proper installation of life safety components in new construction





along with the maintenance of the life safety systems in existing buildings. Also, public education programs were implemented to the community. Fire investigations are conducted when required.

### **Fire Inspections**

In 2017, a total of 10,238 fire inspections were performed by the Fire Prevention Bureau staff and line firefighters. This number represents all of the inspections conducted in the heading on the first page labeled fire inspections.

In 2012, ImageTrend was chosen as the foundation for KFD Information Technology across the board. Starting in 2017, The FPB will finalize the transition from ImageTrend Version 2 to ImageTrend Elite fire inspection program, once finished Joint Services will have a completely up to date contact listing of every business in the City of Kenosha, for use to contact business owners after hours for any type of emergency.

<b>Public Education Events</b>	<b># Events</b>	<b>Attendance</b>
Fire Safety Booth	9	138,725
Engine/Sparky Presentation	32	47,855
KUSD Fall Fire Safety Program	39	5,873
Fire Station Tours	100	1,110
Fire Safety Training	5	658
Public Safety Presentations	3	294
Smoke Alarm Installation	100	250
Extinguisher Training	3	100
Ride in A Fire Truck	2	8
Battery Give-Away	As Needed	
<b>(Utilizing 501 man hours)</b>		<b>Total: 194,859</b>

### **Juvenile Fire Setters**

The dollar loss from juvenile fire setting continues to diminish. With the aid of fire report data, it has been determined that juvenile fire setting is accountable for a significant amount of dollar loss and number of events.



To address this issue, the Fire Prevention Bureau provides the “Juvenile Fire Setter” program to all juveniles apprehended in fire play. This program is based upon the Federal Juvenile Fire Setter program. Additionally, all minors are referred to Juvenile Intake which is a division of Kenosha County. Juvenile Intake then provides additional, on-going counseling and outside resources for the youth as well as the family.

It is the experience of the Bureau that “prevention” is the best defense against fire play. Although the Juvenile Fire Setter program is enormously successful, children who have the propensity for fire play that does not receive fire safety instruction continue to be “at risk.”

Juvenile Fire Setters Counseled: **3**

Juvenile Fire Setters Not Counseled: **3**

Juvenile Repeat Offenders: **0**

Juveniles Referred to Intake Services: **3**

**Plan Review Totals**

The following is an overview of plans that were reviewed, permits that were issued and dollars collected for them to be inspected by the Fire Prevention Bureau (FPB) for the year 2017:

		<u>Fees Collected</u>
Plan Reviews	110	By CDI
Sprinkler Reviews	40	\$ 19,575.00
Fire Alarm Reviews	33	\$ 20,150.00
Hood Reviews	19	\$ 5,225.00
Bonfire Permits	8	\$ 1,000.00
Fireworks Permit	24	\$ 1,600.00

**Fire Investigations**

Fire investigations are performed to comply with Wisconsin State Statute that requires the Fire Chief to investigate all fires for cause and origin. The Fire Chief delegates that duty to the FPB which is responsible for conducting cause and origin investigation of all fires located within the City of Kenosha.



The Fire Investigation Unit is staffed by two (2) personnel assigned to the FPB and assisted by members of the Kenosha Fire Department. The Fire Investigation Unit investigated 47 fires in the year 2017.

### **2017 Accomplishments**

- Continued a partnership with the Kenosha Kingfish Baseball Organization, by staffing a public relations M.E.R.V unit in the ballpark to talk with attendees about fire prevention as well as ascertaining their safety on the evenings they have fireworks.
- Continued partnership with the installation of smoke alarms in City of Kenosha residential home's with WisSafe, Professional Firefighters of Wisconsin (PFFW), Wisconsin Fire Chiefs Association and the Red Cross.
- In 2016, cooperation with KFD, Safe Kids Coalition and KUSD Frank Elementary School we educated 2<sup>nd</sup> and 3<sup>rd</sup>-grade students in the classroom settings with a fire safety program that included a take home educational program, where we identified families that needed smoke alarms and have continued in 2017 to install them.
- Three members of the KFD were sent to Basic Fire Investigation School, Division Chief Ryan McNeely, Lieutenant Jacob Waldschmidt, and Apparatus Operator Keith Aulds. During 2018 they will continue to learn investigation techniques by assisting during fire investigations.

Respectfully Submitted:

Guy J. Santelli II

*Division Chief of the Fire Prevention Bureau*





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Mathew Heater  
Battalion Chief

# Suppression

## 2017



## **Strengths**

Together we were able to achieve many things including:

The KFD responds strong on a daily basis boasting a “Can-do” attitude. We are the city’s professional problem solvers. Call after call, all members of the KFD perform amazing acts to serve those who summon us for assistance. These actions occur regardless of time of day, weather, personalities, or any other external influence. Our workforce is rapidly becoming extremely young as compared to only 5 years ago. This is due to many “baby-boomer” era employees retiring and our new firefighters being in their lower 20’s. This is an exciting time as we see these newer personnel begin to excel and continue to make our department the excellent agency we are proud of.

-MED 2 staffed for its first full year allowing other ambulances to remain in their districts thus improving response times. This staffing was made permanent during the year and exchanged for the personnel of Truck 4 which is now staffed only when we are over the minimum of 39 personnel.

-Facilitated many operationally-based public education events illustrating capabilities of our personnel, apparatus, and equipment.

-Took delivery of Med 2 located at the Tremper Station. This unit brought with it some design changes including a completely automated cot system and relocation of fire equipment from the patient compartment. These improvements will decrease back injuries to our firefighters while also reducing the exposure of carcinogens to our customers and employees.

-Facilitated the execution of a plan to cover all Kenosha intersections with Emergency Vehicle Preemption. Although this is under the DPW budget, KFD researched, vetted, and requested the effort to better response times and make travel safer for personnel and citizens. This project is now 100% completed and will soon integrate into the public safety software project. It will continue to expand and allow a more efficient driving experience for all citizens and visitors who navigate our roads.

-Participated in a study on fire hoods which are searching for the cardiovascular and carcinogenic effects of firefighting on the people who do it. KFD was one of less than 22 departments nationwide who were involved and are at the forefront of the data being released as a result of the work.

-Continued work on a PEP (Post Exposure Protocol) to decrease risk to our personnel during and after fire incidents. This involves a consistent approach to personal and equipment decontamination after fire incidents.

## **Continued needs**

### ***Special Operations***

Kenosha Fire is the first called and first on location for all hazards not involving law enforcement in the City of Kenosha. Currently we are able to function at Fire, EMS, and surface water rescue when it is within 100 feet of shore. For all other rescue situations



(Dive, confined space, trench, high angle, and heavy rescue) we need to rely on outside agencies. There will be a continued need to balance budget versus growth and needs in this area.

***Tactical EMS***

It has quickly become a national best practice and expected ability for fire departments to provide integrated EMS during large scale incidents related to terrorism. These events have happened by us and will continue. We must be prepared to work with law enforcement far before it is needed. We will be addressing this in the coming year as we will need law-enforcement to initiate the process for our adoption of anything related to life safety risks of our personnel.

Respectfully Submitted:

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James Schuppe  
Captain

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Battalion Chief

# Information Technology And Radio 2017





## **Executive Summary**

The Kenosha Fire Department has gone through tremendous changes in 2017. New hardware, software, computer driven technology, and electronic reporting improvements have been in the forefront of the changes taking place in 2017.

A more efficient means of digital reporting has allowed crews to become available sooner for additional calls for service in their first response district. New Computer Aided Dispatching (CAD) software allows for voiceless communication helping to clear the radio airwaves for critical emergency traffic. The new CAD also selects the “closest” paramedic unit for Advanced Life Support (ALS) calls for service by utilizing Global Positioning and Automatic Vehicle Locating software. All frontline, reserve, and selected fire administration vehicles were outfitted with the necessary computer hardware allowing for all of this new technology to function as designed.

Testing the new technology took place in the first quarter of 2017. In conjunction with our software vendors, supporting corporations, and numerous ancillary agencies a seamless transition occurred. Minimal issues occurred during the go live process. New World Systems (CAD vendor) commented on how prepared the Kenosha Fire Department was making this one of their easiest go lives ever. The complete package went “Live” on May 1<sup>st</sup>, 2017.

Further preparation took place throughout the remainder of 2017 in anticipation of our records management software (RMS) vendor, ImageTrend, releasing more modules for their new “Elite” system. Many items after their release were found to be inadequate or not functioning as proposed. The three newly assigned KFD IT Specialists (Capt. Schuppe, AO Aulds, & FF Bonovich) worked with ImageTrend offering assistance and solutions to these problems. In many instances, their ideas were developed by ImageTrend’s software developers and released in bi-monthly updates across the country.

The three KFD IT Specialists, along with the corresponding Kenosha Fire Department Divisions, are in constant communication to improve the quality of the current NFIRS and EMS run forms. This includes the support for the users in the field with any problems or suggestions. We are also working with the corresponding divisions to develop plans to customize the software for future deployment of the newest modules being released by ImageTrend.

## **Hardware Deployment**

January thru March 2017

- Completed installation of the necessary hardware components e.g. Getac Tablets, appropriate mounting solutions, CradlePoint routers, & 5 function



antennas in all front line & reserve apparatus plus appropriate admin vehicles,  
Dell tablets in the Med units for ePCR documentation

March thru April 2017

- Testing of the hardware and components in conjunction with City IT, Kenosha County Joint Services, New World Systems, & ImageTrend

May 1 – 14, 2017

- Total System “Go Live” which included CAD, CAD Fire Mobile and the transition of our RMS from v2 into Elite for NFIRS and ePCR

May 15 to present

- Continue support of existing hardware configuration

### **ImageTrend and New World Systems**

January thru March 2017

- Continue development of ImageTrend Elite NFIRS and ePCR run forms
- Installation of the first version of New World Fire Mobile software

March thru April 2017

- Testing of Elite NFIRS and ePCR run forms
- Testing of New World Fire Mobile
- Train the trainer for New World Fire Mobile
- Department training for Fire Mobile and Elite NFIRS and ePCR

May 1, 2017

- Go Live for Fire Mobile and Elite NFIRS/ePCR

June to present 2017

- Development of Elite Location/Occupant and Inspection module **(in progress)**
- Development of Elite Investigation module **(completed waiting for FPB adoption)**
- Development of Elite Training and Activities module **(in progress)**
- Migration of ImageTrend v2 data into Elite
- Continuation of maintenance to existing software e.g. Elite NFIRS, ePCR and Report Writer; v2 Scheduler, Inspections, Inventory, Checklist and Report Writer
- Testing of the interface between ImageTrend Elite Location/Occupant module and New World CAD system providing ALL Agencies utilizing the CAD/ CAD Mobile with critical information e.g. contact names, phone numbers, hazardous materials and building plans



## **Summary**

Many successful events occurred within 2017 for the Kenosha Fire Department in the area of IT. In 2018, there will be no less of a challenge with more changes on the horizon. Some of these changes include: an upgrade to the New World Fire Mobile application, implementation of new ImageTrend Elite modules including, Location/Occupant/Inspections module, Fire Investigations module, Training and Activities module, Inventory module, and the Checklist module. There also is the need to seek out, research, and implement a replacement for ImageTrend's Scheduler module. At the current time no replacement exists.

There are further opportunities to utilize the power of the CAD system in 2018. One of the items in consideration is to determine at the time of the 911 call that if it necessary to respond "emergency" (red light and siren) or to respond "non-emergency". (Multi-Tiered Response Plan) A powerful software tool utilized by the 911 dispatchers accomplishes this decision, but can always be overruled by the responding crew. By implementing this practice, it will lessen the danger to the public and the crews while responding to selected types of incidents that fit within strict parameters. These incident types are within the boundaries of both Fire and EMS situations.

Kenosha Fire Department IT has accomplished all of the previous tasks within the confines of the 2017 budget set forth by Fire Administration and approved by the City of Kenosha Common Council.

## **Radio/Communications**

The 2017 budget process approved replacement of KFD portable radios. Procurement began in November 2017. The next generation of portable radios are to arrive for programming, training and distribution first quarter 2018. A radio technician specialist position was formally created and assigned to a emergency services person for the KFD organization and reports directly to the Deputy Chief on all aspects of radio and communications.

Respectfully Submitted:

James Schuppe

*Captain of the City of Kenosha Fire Department*

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William Thomas  
Captain

# Maintenance

## 2017



## **Overview**

The responsibilities of the Maintenance Division for the Kenosha Fire Department consist of scheduling, maintaining, testing, repairing, and record keeping for its 32 vehicles and all equipment carried on those vehicles. The Kenosha Fire Department replaced its oldest Ambulance a 1999 Marque with a 2016 Horton in 2017.

## **Vehicles In-service at the closing of 2017**

- 2 Incident Command Vehicles
- 1 Safety Officer Vehicles
- 1 Fire Prevention Inspectors Vehicle
- 3 Staff Vehicles
- 1 Training / Safety Officer Vehicle
- 2 Maintenance / plow Vehicles
- 7 Fire Suppression Units (Pumps)
- 1 Aerial Platform (Truck / Pump)
- 2 Aerial 104' Ladders (Trucks)
- 2 Major Event Response Vehicles (ATV)
- 1 Public Safety/Education Unit
- 1 Fire Investigation Unit
- 1 ARFF Unit (P19)
- 7 Ambulances

Additional responsibilities include repair of all hand/power tools, small equipment (mowers chain saws, partner saws and snow blowers), snow removal, and station maintenance at all six stations.

## **Annual Service Test Results**

Senior Aerial ladders and Pumpers passed the annual inspections/service tests per NFPA standards without deficiency's, ground ladders were tested per NFPA standards without any failures. Ambulances all passed the on site state inspection with no deficiency's



## **Current projects & Additions**

In 2017 a build team was formed, their responsibility is to decide what is needed pertaining to new equipment and vehicles. The team has looked into re-chassisng of Ambulance and decided that will be the way we replace them, with this comes a large savings without compromise.

## **Accomplishments**

Both mechanics endured countless hours training and studying for testing in the ASE (Automotive Service Excellence) Medium/Heavy Truck and Automotive and EVT (Emergency Vehicle Technician) Fire apparatus Tech. and Ambulance Technology educational programs. Master level certifications were maintained in 2017.

## **Personal**

- Dale Brague holds EVT Master Fire Apparatus/ EVT Master Ambulance/ ASE Master Automotive / ASE Master Medium–Heavy Truck certifications
- William Thomas holds EVT Master Ambulance / EVT Master Fire Apparatus / ASE Master Automotive / ASE Master Medium-Heavy certifications.
- Due to budget constraints, the position of High School Youth Apprentice that was eliminated in 2010 and still remained vacant through 2017.

## **Goals & Future Education**

2018 goals are to maintain current Master levels certification in ASE and EVT programs and provide the same level of service in maintaining equipment used by Kenosha Fire Department.

Respectfully Submitted:

William Thomas

*Captain of the Kenosha Fire Department*

