



Mequon Fire Department
2017 Annual Report



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OFFICE OF THE FIRE CHIEF

January 1, 2018

Mayor Abendroth
City of Mequon Council Members
City of Mequon Administrator William Jones

In 2017, the Mequon Fire Department responded to 2,179 fire and emergency medical calls, a 5% increase from the previous year and 69% increase from just five years ago. This report highlights the many emergency and non-emergency activities of the Mequon Fire Department in 2017.

A few noteworthy accomplishments in 2017 were the completion of a staffing study conducted by the Matrix Consulting Group, the remodeling of the dormitories at the fire stations, a fund-raising effort to purchase video laryngoscopes and the first full year of performing inter-facility transports.

Moving forward into 2018, the fire department will continue to strive to deliver the highest level of service to the community in the most efficient manner with the resources available. The department will maintain, as its highest priority, the safety of both the residents and department members.

Respectfully Submitted,

David L Bialk

Mequon Fire Chief

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VISION STATEMENT

The Mequon Fire Department will prepare members to competently perform all duties of the job to serve the community. Each member will be well-trained in the most current practices of firefighting and emergency medical services as well as personal safety and health.

The Mequon Fire Department will provide consistent, reliable, and efficient emergency services to the community.

The Mequon Fire Department will serve the community by working as partners with businesses to provide fire code enforcement assistance and pre-planning to reduce the chance of loss of life and property.

Mequon Fire Department members will serve the community through education by sharing fire safety information, injury prevention messages and act as positive community role models.

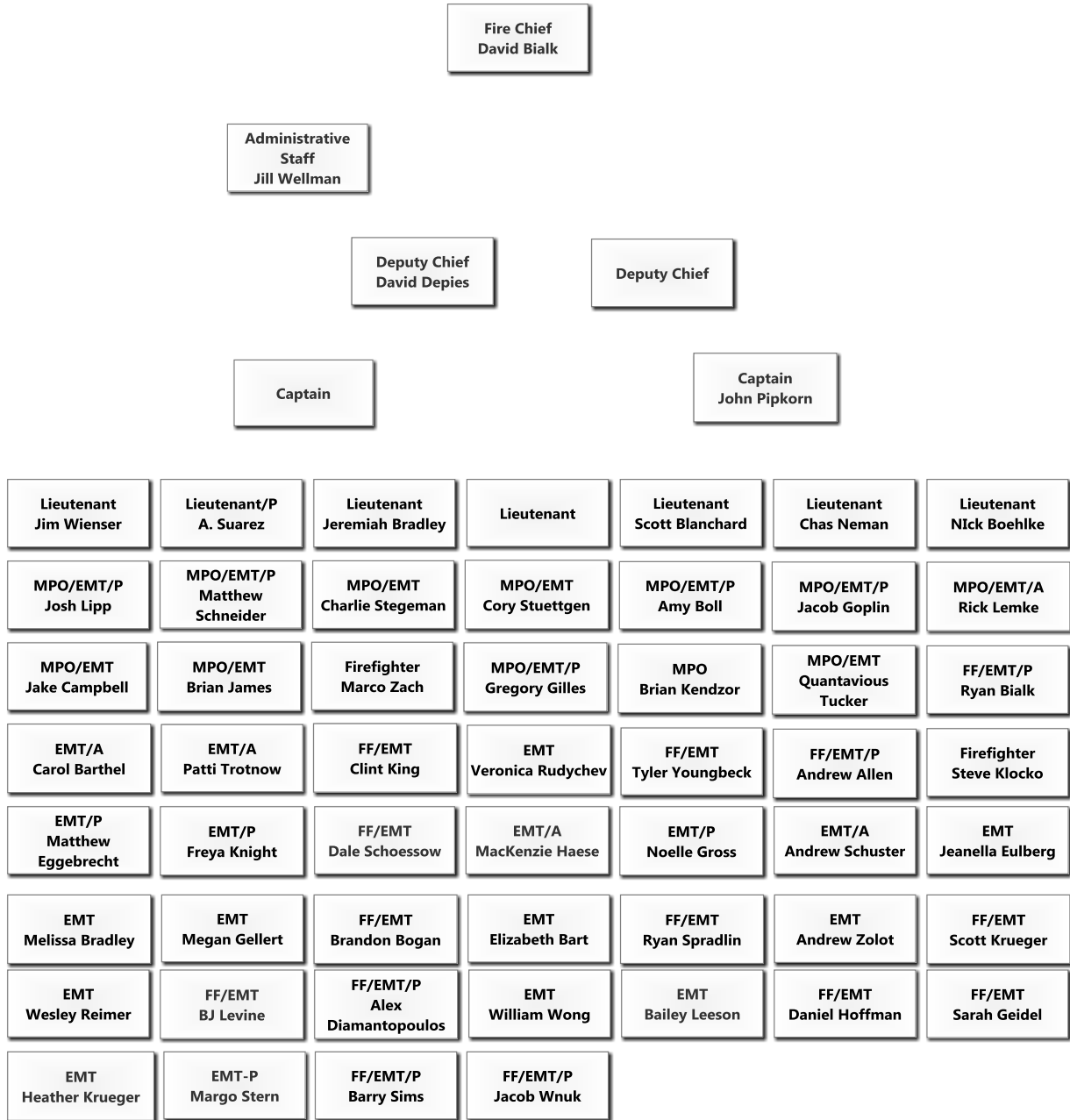
Each member of the Mequon Fire Department will pass on their training and experience to other members, thereby improving the ability and effectiveness of the department to serve the community.

Members of the Mequon Fire Department will treat membership on the department with honor and respect by appreciating that it is a privilege and not a right.

Established 1933

ORGANIZATIONAL CHART

The Mequon Fire Department provides fire prevention, fire suppression and emergency medical services to an estimated 26,000 residents who reside within the 47 square miles of the City.



12/31/17

CHIEF'S REPORT

Operations

January

- The Fire Chief and Police Chief began work on a Request for Proposal (RFP) to conduct a staffing study of both the fire and police departments approved in the 2017 budget.
- The fire department took delivery of a 2016 Ford 22-foot step van. In 2016 heavy rescue 955 was decommissioned because of rusty frame rails. The vehicle was replaced with a 2016 step van. The cost of the step van was \$55,000 compared to \$350,000 for a new heavy rescue. Members of the department worked to build shelves and compartments in the rear to store equipment. The van also doubles as a warming and cooling station at the scene of incidents.
- The fire department completed its revalidation with Medicare to allow for continued billing of Medicare patient transports.
- The fire department researched, put out to bid and took delivery of a replacement ambulance. The new 2017 Ford ambulance replaced a 2002 Ford ambulance with 86,000 miles on it.

February

- The RFP for the police and fire departments staffing study was sent out to twelve different vendors.

March

- The fire department reached its three-year anniversary of staffing one part-time paramedic around-the-clock to ensure 24/7 coverage of advanced life support calls. The department utilizes 13 members certified at the paramedic level to cover the 8,760 hours a year. To date no paramedic shift has gone unfilled or Advance Life Support EMS call gone uncovered by a paramedic. Out of the current 13 paramedics who work for Mequon, 11 of the members paid the \$5,000 for schooling out of their own pocket to receive a paramedic license.
- The Fire Chief attended the Wisconsin State Fire Chiefs Spring Education Conference in the Wisconsin Dells.

Chief's Report (continued)

- Requests for Proposals were received, reviewed, and vendors selected to interview for performing the police and fire departments' staffing study. Out of the RFPs reviewed The Matrix Consulting Group was selected to perform the staffing study.
- The State of Wisconsin required all ambulance services to begin reporting using National Emergency Medical Services Information System III (NEMSIS III), the newest electronic patient care record form. All members were trained in January and February and the new system went on line in March.

April

- The fire department researched and purchased two new SUVs for the First Responder program. Each of the old first responders had about 90,000 miles on them. Using a first responder, the fire department can have emergency medical personnel on scene in about four and half minutes from the time of an EMS call. The old First Responders were moved down in the fleet to replace two other staff vehicles with 125,000 miles and 150,000 miles on them.
- The Mequon Fire Department partnered with the Mequon Community Foundation to conduct a fundraiser at the Mequon Pizza Company. The fundraiser brought in \$2,700. The money raised was used to purchase a video laryngoscope for intubating patients. Any additional money collected will be used for future purchases of non-funded EMS equipment or paramedic training for members.
- In April, the fire department received its 2% dues disbursement from the State of Wisconsin totaling \$172,000. The department is eligible for the money by performing fire inspections of every public building twice a year, providing fire prevention education activities and doing fire training for its members.
 - The Fire Department Dues Fund is funded through fire insurance premiums paid in Wisconsin. The Insurance Commissioner's Office collects two-percent of the annual premiums for the Fire Department Dues Fund. Money in the fund is distributed to municipalities based on a formula of equalized assessed value.

101.573 Fire dues distribution.

No city, village or town maintaining a fire department under this section may use any dues received under s. 101.573 and this section for any purpose except the direct provision of the following:

1. The purchase of fire protection equipment.

2. Fire inspection and public education.

3. Training of fire fighters and fire inspectors performing duties under s. 101.14.

4. To fund wholly or partially fire fighters' pension funds or other special funds for the benefit of disabled or superannuated fire fighters.

Chief's Report (continued)

- All department Toughbooks (laptops) were updated with the latest software for electronic patient care records, maps, and alarm cards.

May

- Two new candidates were selected as interns from students enrolled in the Fire Protection Technician Associate Degree program at MATC. Interns must be State of Wisconsin Certified Firefighter Level I, maintain a 2.5 or greater GPA, pass the fire department agility test and pass both a background check and medical screening. The interns live in the fire station and respond to emergency calls just like the paid-on-call members and participate in community education, fire prevention, training, and other assigned duties. The interns are paid a \$500 per month stipend for their involvement.

June

- The fire department participated in the Mequon/Thiensville *Fun Before the Fourth Parade*.
- Information gathering was begun to fulfill the request from the Matrix Consulting Group to complete the staffing study. Call response times, call processing time, current staffing, fire station location, fleet information, standard operating guidelines and Mequon's own training requirements were all compiled and given to Matrix.

July

- The fire department participated in the Trinity Lutheran Church-Freistadt parade.
- Chief Bialk and Lieutenant Boehlke conducted a dispatcher training session for all Mequon telecommunication employees. The dispatcher training was intended to create a better understanding of fire department operations and use feedback to enhance fire department operations. Several ideas exchanged at the training have been implemented.
 - The use of a Call For Service code of Assist Citizen (AC) for patients requesting lifting assistance greatly reduced call taking time and dispatch time.
 - The AC code is also being used for gathering information for inter-facility transports to reduce call processing time.
 - The dispatchers also suggested using an alert tone only while utilizing Emergency Medical Dispatching to speed up the time between call taken and called dispatched; this is currently under review.

Chief's Report (continued)

August

- The paramedic program requires the fire department to maintain a stock of Schedule 1 (Class 1) Narcotics. Every year the narcotics are audited and inventoried. An audit was performed of the medications used for EMS and was found to be in compliance with all State and Federal regulations.
- The final staffing study report was received from the Matrix Consulting Group and the Executive Summary and Key Recommendation are attached (see Appendix).
- The Fire Chief's administrative assistant left for a job in the private sector after ten years of working for the fire department. The administrative assistant works 26 hours a week and processes payroll and invoices, collates call and training percentages, updates the website, maintains burning permits, enters fire inspection information in a record management system and maintains day-to-day operations of administration of the fire department.

September

- The fire department conducted a promotional process for firefighters wanting to become Motor Pump Operators (Drivers). Eight members took the test and all eight were promoted to the position of MPO. Being promoted to MPO is the first step to becoming an officer on the Mequon Fire Department.

October

- All EMTs were given an EMT Basic refresher class. The State of Wisconsin requires all EMTs to receive 32 hours of refresher training within each two-year licensure period. Members are required to attend all 32 hours of class, at the end of each class there is a written and practical test administered.
- The chief attended an annual meeting with the Ozaukee, Washington, Milwaukee, and Waukesha County Fire Chiefs to update all box alarm cards for the City of Mequon. A box alarm card is the template used for calling additional resources from other communities in the event of an emergency. Most departments design their box cards around bringing in the closest units to the emergency. The box alarm cards are also designed to bring in resources from other counties and across the state if needed.
- A new administrative assistant was hired to replace the vacancy created in August. Training of the new assistant was started and will last into 2018.

Chief's Report (continued)

Administration

- The fire department received its Fund Assistance Program (FAP) Application from the State of Wisconsin in January. Every year the fire department is eligible for FAP money from the State of Wisconsin. Funds are distributed to applicants based on a formula which includes a base sum plus a factor for run volume, service area, population and EMT roster size. In 2016, the fire department received \$7,348 of FAP money from the State of Wisconsin. The money may only be spent on EMT-Basic training and the purchase of EMS equipment.
- The fire department completed the first full year of performing inter-facility transports. When St. Mary's hospital needs a patient transported to another hospital for specialty care the fire department makes an ambulance crew available for transporting their patient. In addition to providing a service to the hospital, these transports generate additional revenue. The transports are only done when there are two paramedics available so the department can maintain one paramedic in the City for 911 calls. In 2017 there were 63 inter-facility transports performed. The estimated additional revenue from doing the transports is between \$50,000 about \$60,000.
- Fire inspections are now entered into a record management program called Elite. The inspection records are stored in the cloud and with the laptops the fire department maintains, the records can be retrieved in the field. This is of importance in the event of incident at a inspected property, information can be recalled from the fire inspection records.
- There were 487 burn permits issued in 2017 compared to 523 permits issued in 2016.
- All fire department Standard Operating Guidelines were reviewed and updated. To keep members informed and updated after the review, department guidelines are placed on website for members to access.

2017 Incidents

1/1/17 – 12/31/17 The Mequon Fire Department administered the drug Narcan 13 times in 2017. Narcan is given to patients to reverse the effects of an opioid overdose. The fire department also treated one patient who was given Narcan by family members prior to the arrival of first responders.

1/1/17 – A 62-year-old female was extricated from a fence in the 4000 block of Freistadt Road. The woman said she was stuck in the fence for about a half hour before being removed from between the aluminum posts. She was confused as to where she was and how she became entangled in the fence.

1/5/17 – The fire department transported one person from a home on Fiesta Lane for carbon monoxide poisoning. The person called 911 because she was sick and while treating the patient the fire departments CO monitor alarmed alerting members to the presence of CO. The person was transported to the hospital and gas appliances were shut down.

1/11/17 – A pedestrian was struck by a vehicle in the parking lot of 10325 N. Port Washington Road. The person was transported to St. Mary's with minor injuries.

1/20/17 - The fire department responded to a structure fire at 4807 W. Elmdale Road. An outside wood burning furnace was too close to the house and started the siding on fire which spread to the attic. Mutual aid was requested from North Shore, Thiensville, Grafton and Cedarburg. Damage was estimated at \$250,000.

2/11/17 – Twelve people were removed from a stuck elevator at Concordia. The group spent about 30 minutes in the elevator before the power could be shut off, and the door opened to remove people via a ladder.

2/23/17 – One patient was extricated from a car accident at Cedarburg Road and County Line Road. The patient suffered non-life-threatening injuries.

3/2/17 – The fire department responded to I-43 south at the 10600 block for a car fire. The 2002 Toyota was fully involved on arrival and the freeway was shut down for a short time while the fire was extinguished.

3/9/17 – The fire department worked with the police department looking for three young girls who were lost in the ravine near Otto Lane. They became lost in the ravine and found it too steep and slippery to climb out. They called 911 and were able to give the dispatcher some information as to where they went into the ravine. It took about 40 minutes to locate the girls and assist them out of the ravine.

2017 Incidents(continued)

3/31/17 – A fire in the chimney chase of an outside fire place had to be extinguished at the Highland House. A fire in the fire place extended beyond the fire place and caused significant damage to the fire place assembly.

4/30/17 – The fire department extinguished and overhauled a chimney fire at 1005 W. Shaker Circle.

5/5/17 – A discarded cigarette caused fire damage to a patio deck and siding on a home at 11224 N. Westwood Circle. The high winds that evening pushed the cigarette against the house and started the fire. The homeowners were alerted by the smell of something burning.

5/6/17 – The fire department rescued 12 baby ducklings from a sewer in the 10800 block of Port Washington Road. The ducklings were reunited with their mother and sent on their way.

5/4/17 – An impaired driver lost control of his vehicle and wound up in the cables between the northbound and southbound lanes of I-43. The cables needed to be cut before the doors of the car could be pried open. The person suffered only minor injuries and was transported to St. Mary's.

5/24/17 – A dehumidifier started a basement fire at 12024 N. Wausaukee Road. The fire caused extensive damage to the basement and smoke damage to the rest of the home.

6/3/17 – The fire department responded to five heroin overdoses in 24 hours in the city. All the victims were in vehicles driving through the city at the time of the incidents. Two victims were found in a vehicle on I-43, two victims were found in a vehicle on Mequon Road just east of Cedarburg Road and the fifth victim was found in a car at the gas station at Wauwatosa Road and Mequon Road. One of the overdoses was a fatal; all of the other victims were resuscitated.

6/25/17 – The fire department responded to a motorcycle accident at the on the ramp to I-43 and Pioneer Road. A motorcyclist was getting on the freeway and was involved in an accident involving several cars; the motorcyclist died at the scene.

7/19/17 – A water tanker truck rolled over on Executive Drive in the industrial park. No one was injured but the truck spilled 20 gallons of diesel fuel onto the ground before it could be stopped. Ozaukee County Emergency Management was on scene and took care of the cleanup of the fuel spill.

2017 Incidents(continued)

8/16/17 – A camping stove caused a small fire in the garage at 9731 Courtland Drive. The fire was extinguished by the homeowner before arrival. The fire department checked for extension in the garage wall.

8/26/17 – A person left clothing on top of a high intensity desk lamp in the basement which lead to a room and contents fire in a bedroom. The fire department used a portable extinguisher to extinguish the fire.

8/30/17 – A person had to be extricated from a car in the 10300 block of Granville Road. The driver was lost and ignored the road closed sign on Granville during construction and hit a piece of heavy equipment at about 50 mph. The person was pinned in the vehicle for about 30 minutes while crews freed the driver. The person was transported to Froedtert Hospital with life-threatening injuries.

9/28/17 – Two people had to be extricated with the Jaws of Life from a car accident at Wauwatosa Road and County Line Road. Both occupants were transported to Froedtert Hospital for their injuries.

10/1/17 – An automobile and motorcycle collided in the 10800 block of Wauwatosa Road. The motorcyclist was sent by Flight for Life to Froedtert Hospital for his injuries and he later died at the hospital.

10/3/17 – Two people were extricated from a vehicle accident in the 14300 block of I-43.

10/31/17 – The Charter Steel office building at 1212 W. Glen Oaks was extensively damaged in a fire. The fire department responded to a fire alarm at the building and upon arrival found fire coming from the roof of the building. The fire had started a knee wall on the second floor and burned for a long time before activating the smoke alarms in the building. Mutual aid was requested from the surrounding communities and all companies were on scene for about three hours before the fire was extinguished.

12/7/17 – A fire in a fireplace chimney chase caused extensive damage to a home at 12531 N. Lake Shore Drive. The homeowner was asleep on couch and heard a crackling noise coming from behind the fireplace. She then woke the rest of family and exited the home. By the time they came back downstairs the fire was already coming out around the fireplace and into the room.

12/12/17 – A faulty Domino's Pizza delivery sign caught fire and melted down into some pizza boxes and plastic pizza trays in the back of the store. The fire was extinguished by one sprinkler head.

2017 Incidents(continued)

12/25/17 – A fire on Christmas Day in a fireplace chimney chase damaged a home at 12303 N. River Road. The family was about to leave the house and noticed smoke coming from around their fireplace. A fire was burning behind the fireplace and up to the second floor of the home before it could be extinguished.

12/30/17 – The fire department responded to a van on fire on the freeway just south of Mequon Road. Before the fire department arrived, traffic had stopped on the freeway because the flames were blowing across two lanes of traffic and no cars could pass the vehicle until the fire was extinguished.

FIRE PREVENTION REPORT

Public Outreach

The Mequon Fire Department is mandated by State Statute Chapter SPS 314 (13)(b)

1. 'General.' The chief of the fire department shall be responsible for having all public buildings and places of employment within the territory of the fire department inspected for the purpose of ascertaining and causing to be corrected any conditions liable to cause fire, or any violations of any law or ordinance relating to fire hazards or to the prevention of fires.

2. 'Determining the buildings that are to be inspected.' The fire chief shall be responsible for determining those public buildings and places of employment that are to be inspected, for each municipality for which the fire department has responsibility.

3. 'Scheduling of inspections.' Fire prevention inspections shall be conducted at least once in each non-overlapping 6-month period per calendar year, or more often if ordered by the fire chief, in all territory served by the fire department.

Creating a safe environment for people to live and work in is a goal of every fire department. Education is one way of improving safety. In Mequon, we can educate the community with programs unique to our city through the support of fire department fire inspectors, the business community, the school district and community groups.

Bi-annual fire inspections provide an opportunity to promote goodwill and education about the fire department's role with business owners and employees. This contact reaffirms their joint responsibility in regard to fire prevention. The inspection program also provides firefighters the opportunity to gain firsthand knowledge of building layouts and construction in the city.

Public education programs provide the department an opportunity to share fire safety education, injury prevention messages, and serve as positive community role models.

2017 Statistics

Department personnel conducted 1,652 fire safety inspections in the field. The total hours of fire inspections include activities such as property owner consultations, monitoring fire drills, issuing burning permits, installing Knox Boxes and sprinkler system inspections. As a result of these inspections, 564 written requests for compliance were issued. Starting in 2016 property owners were given a post card they can sign and mail to the fire department stating the violations were corrected. Out of the 564 violations issued, the post card was returned 66 times. The other 498 violations had to be rechecked with a follow-up visit.

Fire Prevention Report (continued)

In 2017, the fire department spent 200 hours conducting fire safety talks and tours of the fire department for the community. In 2017 about 500 adults and children had direct interaction with the fire department and fire prevention activities.

The greatest interaction with the community was during our annual open house held on October 7th at the fire station located at 11300 N. Buntrock Avenue. The yearly open house was well attended by the public. The open house includes fire prevention and safety talks, apparatus demonstrations and fire safety activity books and items provided to the children, as well as a landing and tour of the Flight For Life helicopter.

The fire department did ambulance standbys at all Homestead High School football games, all Concordia University football games and wrestling matches, the Taste of Mequon, and the Milwaukee Lakefront Marathon.

The fire department conducted CPR training for 292 people in 2017.

TRAINING REPORT

The Mequon Fire Department trains its members through various means using the Vocational Technical College System (MATC), in-house and on-line education, conferences, and a variety of seminars. In 2017, the department delivered 4,212 hours of in-house training on Monday nights and Tuesday mornings.

- All members completed training on the mandatory Bloodborne Pathogens Policy. Other mandatory training included proper lifting, use of personal protective equipment, TB awareness and decontamination procedures.
- All fire personnel were trained on the care and use of smooth bore firefighting nozzles. Replacing water fog nozzles with smooth bore solid stream nozzles has been shown to be best practice in the modern fire service. The water stream produced by the smooth bore nozzle cools heated spaces and makes temperatures more tenable for victims and firefighters more effectively than the traditional water fog nozzle.
- Ryan Spradlin, Scott Krueger, and Dan Hoffman Completed EMT-Basic training.
- The fire department conducted ice rescue training at the MATC campus lagoon. All members were trained in the new ice rescue guidelines along with suit donning and deployment of the ice rescue sled.
- A 15-hour in-house officer candidate training program was delivered to all members regardless if they are interested in being promoted to an officer rank or not. The program touched on;
 - First-in fire reports
 - Leadership
 - Tactics and strategies
 - Mutual Aid Box Alarm System
 - 800 Radio system
 - Completing National Fire Incident Reporting System forms
 - Cancer prevention in the fire service
 - Transitional fire attack
- Brett Reiter and Mackenzie Haese completed Firefighter Level I training.
- Noelle Gross, Alex Diamantopoulos and Barry Sims completed paramedic training.
- All police officers were trained in the administration of Narcan. Narcan is administered to reverse the effects of an opioid overdose. The police now carry Narcan in their police cars.

Training Report (continued)

- All fire department staff members received training on how dispatchers receive EMS calls, what questions they will ask, what instructions they may give and how calls will be prioritized. They were also shown how instructions on CPR, emergency childbirth and the administration of Narcan are delivered.
- The fire department technical rescue team conducted confined space and high-angle rescue training at the fire station.
- Training was conducted with the athletic training staff from Concordia University to review procedures and protocols to be used during standby at Concordia football games. Mequon provides an ambulance at all Concordia home football games and works with the medical staff from Concordia to treat injured players.
- All City employees were recertified in CPR.
- All fire department members were recertified in CPR, advanced airway and defibrillation.
- All fire department Emergency Medical Technicians members attended a 32-hour basic refresher class hosted in Mequon.
- Brian James, Rick Lemke, Tyler Youngbeck, Jake Evaska and Robert Young all completed Driver/Operator Pumper training.
- Some changes and updates were made to the 2016 “Paramedic Mentoring” program. The program is **not** required by State Law but is used in Mequon to help newer paramedics as they work through diagnosing and treatment of patients. At its core the program relies on more experienced paramedics to step back and allow newer paramedics to develop.
- The yearly training schedule was developed in January to ensure the most critical of both fire and EMS topics are covered for the year. Training is viewed by the fire department as the cornerstone to operating safely and efficiently. The schedule can be modified throughout the year to meet department needs.
- The fire department conducted four in-house skills assessments called 911 Emergencies. Four times a year emergency medical technicians and paramedics must demonstrate competencies for eight high-risk, low-frequency skills by completing proficiency stations. The 911 Emergencies is a pass/fail assessment that all levels must pass to be eligible to work hours on the ambulance or first responder vehicle.

Training Report (continued)

- The fire chief and the EMS training officer attended the Wisconsin EMS Association trade show in downtown Milwaukee.
- A First Responder class was conducted for any qualified member wishing to become a first responder to EMS calls. The two First Responder vehicles are staffed 24/7 by one EMT on each. The first responder has enormous responsibility being the first person on scene of an EMS call, often alone for several minutes until other help arrives. Members wishing to become first responders are vetted through 20 hours of training and practice scenarios before being approved to become a first responder.

Dive Team

The dive team cooperates with other departments in Ozaukee County to ensure there are an adequate number of personnel available in the event of an incident. The Mequon Fire Department dive team trains monthly for three hours. In 2017, the dive team put in 240 hours of training along with members of the technical rescue team. There are currently six qualified divers including one Dive Master, six Advanced Rescue Divers, and six support personnel. The dive team continues to practice in the five environments they most likely will respond to:

1. Lake Michigan shore – practicing at the Harbor in Port Washington working with Port Washington divers.
2. Inland Lakes – training at Hammes Quarry, working on large area searches, navigation, and dive scene command and setup.
3. Rivers – practicing on the Milwaukee River with shore drift patterns, evidence recovery patterns, and boat handling.
4. Surface rescue – training at the MATC lagoon working on thin ice, victims on the surface and training fire department personnel with the ice rescue sled.
5. Ice rescue – practicing at the MATC lagoon diving under ice, working with a confined space environment, and procedures for diver safety in risky environments.

Technical Rescue

The Mequon Tech Team is the only team in Ozaukee County that trains in all four disciplines of technical rescue, which includes high angle, confined space, trench rescue, and building collapse. In 2017, 124 hours was spent performing scenario-based exercises. Due to the very specialized training needed to safely perform technical rescue incidents, the team leaders worked with familiarizing all department members with the tools and techniques of the tech team.

EQUIPMENT REPORT

One of the most important jobs of a fire department is to maintain emergency equipment in a state of readiness. Weekly vehicle checks are assigned to members on a rotating basis to ensure every vehicle is stocked and ready for an emergency response. Each member is responsible for checking equipment on their assigned vehicle weekly. Lieutenants are responsible for holding their assigned members accountable for vehicle checks.

Current Fire Department Vehicle Fleet

| Unit | Year | Make | Type | Age |
|------|------|----------------------|------------------------------------|-----|
| 957 | 1986 | GMC | 4x4 Pick up | 31 |
| 961 | 1996 | Pierce Quint | 85' Aerial with 1500gpm Pump | 21 |
| 967 | 1996 | Ford | 3500 Gallon Tender | 21 |
| 953 | 1998 | Ford/F350 | Rescue / Brush Truck | 19 |
| 963 | 2005 | Pierce Kenworth | Fire Engine 1500gpm Pumper | 12 |
| 960 | 2006 | Pierce Quint | 100' Platform with 1500gpm Pump | 11 |
| 956 | 2009 | Chevy/Tahoe | Staff car | 10 |
| 951 | 2009 | Ford/F350 | Ambulance | 9 |
| 962 | 2008 | Pierce Impel | Fire Engine 1500gpm Pumper | 8 |
| 966 | 2011 | Pierce International | 3500 Gallon Tender | 7 |
| 951 | 2014 | Ford/F450 | Ambulance | 4 |
| 964 | 2015 | Pierce Impel | Fire Engine 1500gpm Pumper | 3 |
| 955 | 2016 | Ford/F59 Van | Special Operations Equipment Truck | 1 |
| 970 | 2016 | Chevy/Tahoe | Chiefs Car | 1 |
| 950 | 2016 | Ford/F350 | Ambulance | 1 |
| 958 | 2017 | Jeep Grand Cherokee | First Responder Vehicle | 0 |
| 958A | 2017 | Jeep Grand Cherokee | First Responder Vehicle | 0 |

The National Fire Protection Administration has standards for the care and maintenance of fire equipment. The fire department is bound by the State law *Chapter SPS 330 Safety and Professional Services, Fire Department Safety and Health Standards* to perform annual certification test of equipment. Many of the same testing is required by the Insurance Service Organization to maintain our current ISO fire rating.

Equipment Report (continued)

- All maintenance/repair request forms were made into an electronic format for submission. The request for maintenance/repair can be done on a computer or smart phone. The electronic submission format reduces the amount of time in getting the request to the City's vehicle maintenance department; the electronic form is emailed directly to the mechanic.
- Each of the three ambulances has a power assisted patient stretcher. The electric-over-hydraulic power cots are important to prevent back injuries from lifting. The original NiCad battery systems needed to be upgraded. The NiCad batteries are no longer in production, so the electrical systems were upgraded to lithium ion batteries. The total cost for all three patient stretchers upgrade was \$3,900.
- Both department aerial ladder devices were tested and passed the yearly service certification test by Underwriters Laboratory.
- All five heavy pieces of fire department apparatus with fire pumps were tested and found to be within specifications and certified by Underwriters Laboratory.
- All department defibrillator and cardiac monitors were checked and calibrated.
- All departments CO monitoring equipment was checked and calibrated.
- All department ground ladders were tested and certified in 2017.
- The fire department has approximately three-and-a-half miles of fire hose that was service tested in 2017. Hose that fails the yearly service test is replaced or repaired.
- The two sets of fire department hydraulic rescue tools were tested and a factory-trained technician performed required maintenance.
- The department passed its SCBA breathing air quality testing. Testing is done once per quarter at a third-party testing facility. A test kit is mailed to the fire department; samples are taken of the air and sent back to the lab for testing.

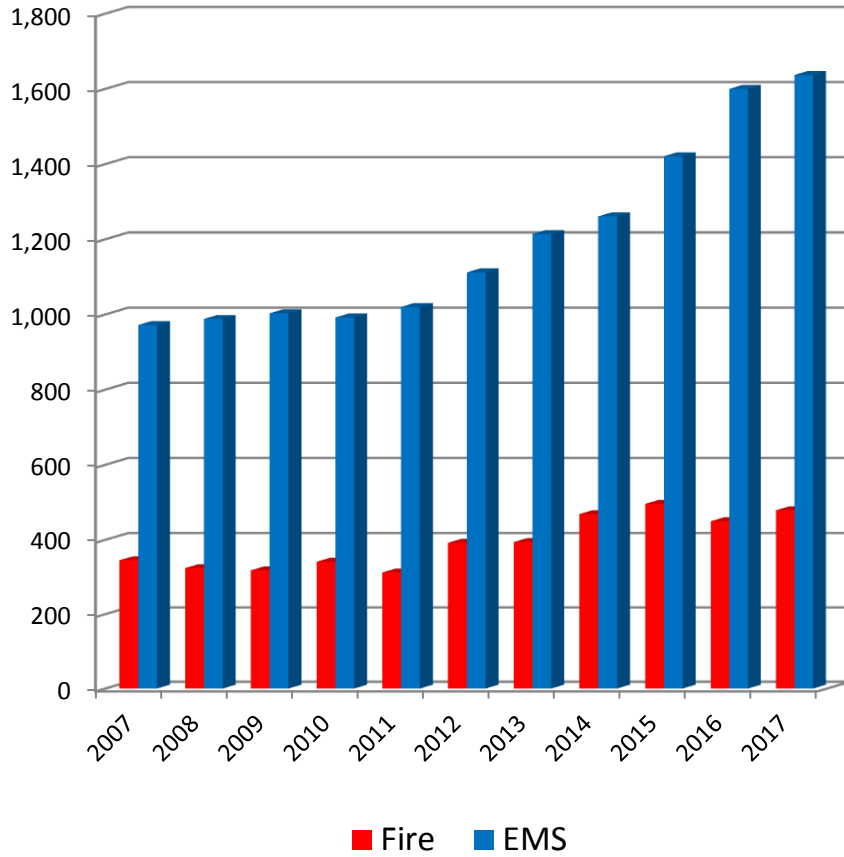
STATION IMPROVEMENTS

One of the keys to a successful paid-on-call department is having a place where members can spend time working out, studying, watching TV, washing their car, sleeping and preparing food. Giving personnel an inviting station is a way to decrease response time to fire and EMS calls because it is more likely there will be personnel in the building when a call comes in. Having members spend some of their free time in the stations provides, at times, full-time staffing. Improving the fire stations not only creates an inviting place for members, but creates a sense of pride and ownership of the department.

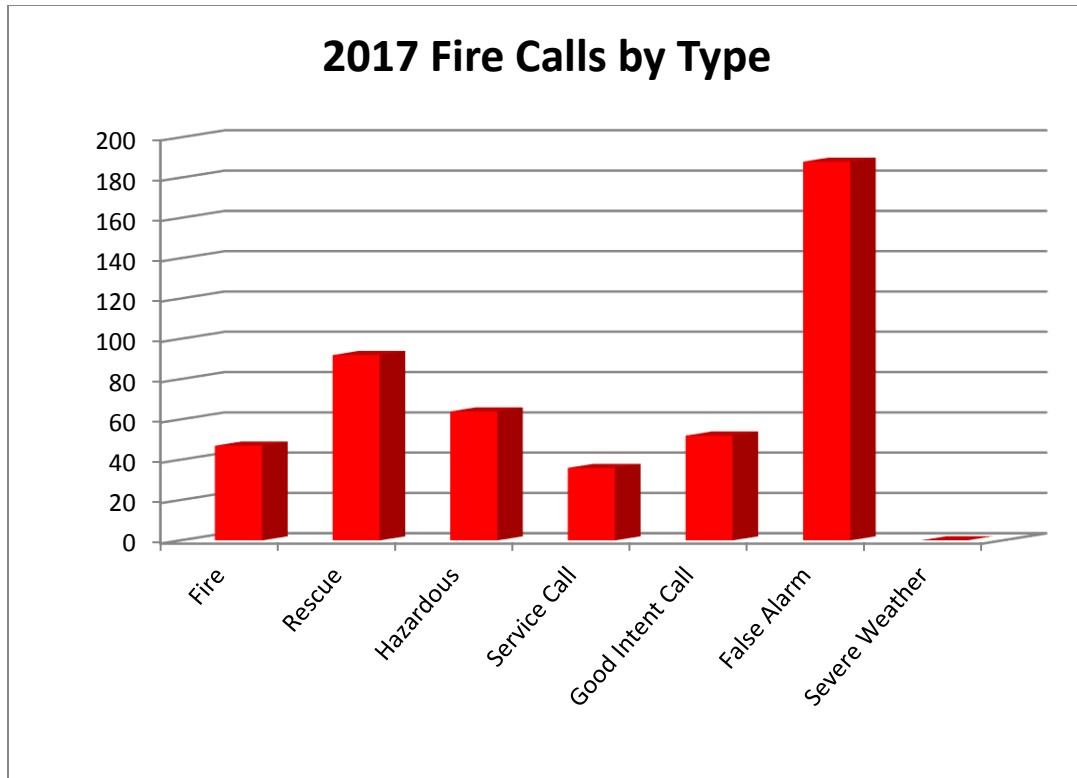
Improvements in 2017:

- Money was set aside in the 2017 budget for remodeling of the dormitories at Station 1 and Station 2. The dormitories at both stations were one large room with five or six beds in them. Since the start of the Paid-on-Premises Paramedic and the intern programs there has been a need for members sleeping at the station to have more security and privacy. The \$30,000 set aside in the budget along with donations from community partners and the Sunrise Rotary Club were used to create individual rooms for the members to sleep. The walls of the dorm rooms were insulated for sound proofing, electrical outlets installed in each room, HVAC ducts run for into each room for comfort and locks for security.
- Two new mattresses were purchased for the fire stations.
- A clothes dryer was replaced at Station 2.
- Lockers at Station 2 were sanded and painted.
- The mezzanine at Station 2 was cleaned out at the suggestion of the City's insurer. The mezzanine does not have a rail for fall protection of personnel. To prevent injury all storage items were removed.

Fire and EMS Calls 10 Year Comparison



| Year | Fire Calls | EMS Calls | Total |
|------|------------|-----------|-------|
| 2007 | 345 | 972 | 1,317 |
| 2008 | 324 | 988 | 1,312 |
| 2009 | 318 | 1,003 | 1,321 |
| 2010 | 341 | 992 | 1,333 |
| 2011 | 312 | 1,020 | 1,332 |
| 2012 | 392 | 1,112 | 1,504 |
| 2013 | 394 | 1,214 | 1,608 |
| 2014 | 469 | 1,261 | 1,730 |
| 2015 | 496 | 1,421 | 1,917 |
| 2016 | 450 | 1,600 | 2,050 |
| 2017 | 479 | 1,637 | 2,116 |



Types of Fire Calls

Fire = includes structures, vehicles, dumpsters and grass or brush fires.

Rescue = motor vehicle accident with extrication, rescue or EMS standby, search and rescue on land and water or ice rescue.

Hazardous Condition = flammable liquid spill, gas leak, chemical spill, overheated equipment, power line down and arcing electrical equipment.

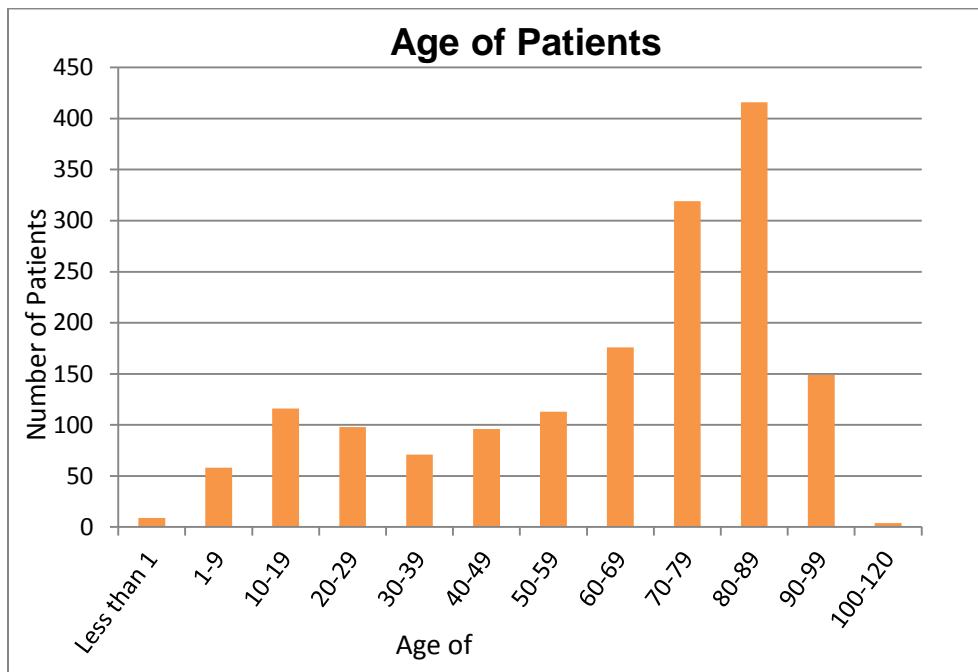
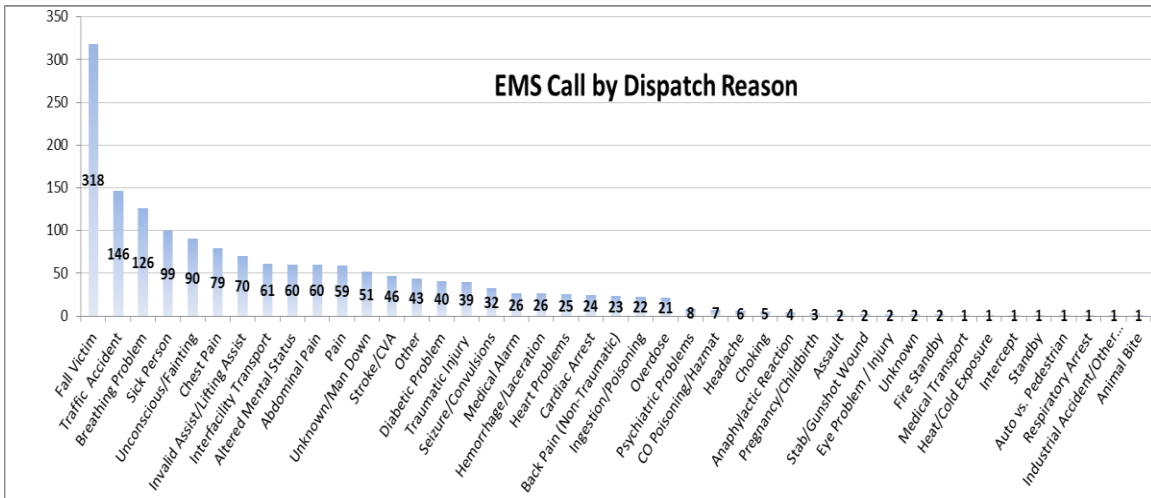
Service Call = water problem, smoke or odor removal, cover assignment for another fire department.

Good Intent Call = dispatched to an alarm and canceled en route.

False Alarm = false fire alarm or carbon monoxide alarm due to system malfunction or unintentional transmittal.

Severe Weather = lightning strike or storm-related

2017 EMS Calls by Dispatch Reason

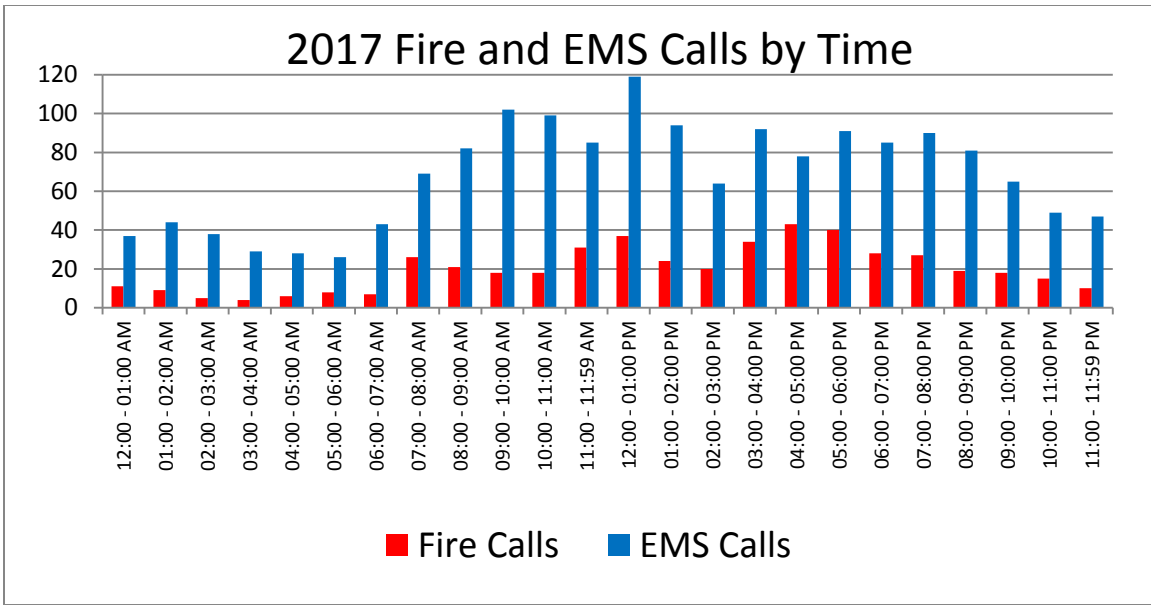


HOSPITAL DESTINATIONS FOR 911 CALLS 2017

| Hospital Destinations | |
|-------------------------------|--------------|
| Columbia St Mary's Ozaukee | 823 |
| No Transport /Other | 491 |
| Aurora Medical Center Grafton | 187 |
| Children's Hospital | 38 |
| Froedtert Memorial Hospital | 36 |
| St Mary's Milwaukee | 32 |
| Community Memorial Hospital | 19 |
| St Luke's Medical Center | 5 |
| VA Medical Center | 3 |
| St Joseph's Milwaukee | 1 |
| Aurora Sinai Medical Center | 1 |
| Waukesha Memorial | 1 |
| Total | 1,637 |

HOSPITAL DESTINATIONS FOR INTER-FACILITY TRANSPORTS 2017

| Hospital Destinations | |
|-------------------------------|-----------|
| Columbia St Mary's Milwaukee | 24 |
| Froedtert Memorial Hospital | 21 |
| Children's Hospital | 13 |
| West Allis Memorial Hospital | 1 |
| Aurora Medical Center Grafton | 1 |
| St Joseph's Milwaukee | 1 |
| St Luke's Medical Center | 1 |
| Winnebago Mental Health | 1 |
| Total | 63 |



| Time | Fire Calls | EMS Calls |
|------------------|------------|-----------|
| 12:00 - 01:00 AM | 11 | 39 |
| 01:00 - 02:00 AM | 9 | 46 |
| 02:00 - 03:00 AM | 5 | 40 |
| 03:00 - 04:00 AM | 4 | 31 |
| 04:00 - 05:00 AM | 6 | 30 |
| 05:00 - 06:00 AM | 8 | 28 |
| 06:00 - 07:00 AM | 7 | 45 |
| 07:00 - 08:00 AM | 26 | 71 |
| 08:00 - 09:00 AM | 21 | 86 |
| 09:00 - 10:00 AM | 18 | 106 |
| 10:00 - 11:00 AM | 18 | 101 |
| 11:00 - 11:59 AM | 31 | 87 |
| 12:00 - 01:00 PM | 37 | 125 |
| 01:00 - 02:00 PM | 24 | 97 |
| 02:00 - 03:00 PM | 20 | 66 |
| 03:00 - 04:00 PM | 34 | 94 |
| 04:00 - 05:00 PM | 43 | 82 |
| 05:00 - 06:00 PM | 40 | 99 |
| 06:00 - 07:00 PM | 28 | 87 |
| 07:00 - 08:00 PM | 27 | 92 |
| 08:00 - 09:00 PM | 19 | 83 |
| 09:00 - 10:00 PM | 18 | 72 |
| 10:00 - 11:00 PM | 13 | 50 |
| 11:00 - 11:59 PM | 10 | 49 |

Response Times to Fire and EMS Calls

Average Response to Fire Calls - 12:05

Average Response for First Responder to EMS Calls - 4:45

Average Response for Paramedic Ambulance to EMS Calls - 9:14

There are national standards for response times to fire and EMS calls, however, since Mequon is a Volunteer/Paid-on-Call fire department the standards for response times are vaguer.

The National Fire Prevention Association treats volunteer and career departments differently when it comes to response time standards. Departments that are substantially career fall under **NFPA 1710** and departments that are substantially Volunteer/Paid-on-Call fall under **NFPA 1720**.

Benchmarks in **NFPA 1710** for career fire departments are as follows:

- *Response to Fire Calls* **8:00 minutes** 90% of the time
- *Response for a First Responder to EMS Calls* **4:00 minutes** 90% of the time
- Response time for a Paramedic Ambulance to *EMS calls* **8:00 minutes** 90% of the time

Benchmarks in **NFPA 1720** for Volunteer/Paid-on-Call fire departments are as follows:

- *Response to Fire Calls*: Once the fire department has assembled the necessary resources at the emergency scene, the fire department shall have the capability to safely initiate an initial attack within 2 minutes 90% of the time.
- *Response for a First Responder to EMS Calls*: **No standard in NFPA 1720**
- *Response time for a Paramedic Ambulance to EMS calls*: **No standard in NFPA 1720**

The Mequon Fire Department has and will continue to provide the best possible service using its available resources.

Mequon Fire Department - Years of Service Roster

Fire Chief

David Bialk (11)*

Deputy Chief

David Depies (33)*

Captains

John Pipkorn (31) (P)

Lieutenants

Charles Neman, Jr. (28)*
James Wienser (27)*
Armando Suarez Del Real (14) (P)
Nicholas Boehlke (14)*
Jeremiah Bradley (8)*
Scott Blanchard (13)*

Motor Pump Operators

Charles Stegeman(17)*
Cory Stuetzgen (16)*
Josh Lipp (8) (P)
Quantavious Tucker (7)*

Amy Boll (6) (P)
Jacob Goplin (6) (P)
Brian Kendzor (6)*
Gregory Gilles (4) (P)

Brian James (4)*
Matthew Schneider (4) (P)
Rick Lemke (2)*
Jake Campbell (2)*

Emergency Medical Technicians

Carol Barthel (36)*
Patricia Trotnow (31)*
Freya Ludeman (6) (P)
Andrew Schuster (5)*
Melissa Bradley (4)*

Megan Gellert (4)*
Elizabeth Bart (3)*
Wesley Reimer (4) (P)
Noelle Gross (2) (P)
Veronica Rudychev (2)*

Heather Krueger (1)*
MacKenzie Haese (1)*
Bailey Leeson (1)*
Margo Stern (1) (P)
William Wong (H)*

Firefighters

Steve Klocko (25)
Marco Zach (13)
Sarah Geidel (10)*
Ryan Bialk (10) (P)
Andrew Allen (7) (P)
Matthew Eggebrecht (7) (P)
Dale Schoessow (31)*

Benjamin Levine (2)*
Jacob Goplin (6) (P)
Clint King (4)*
Tyler Youngbeck (4)*
Jeanella Eulberg (3)*
Daniel Hoffman (2)*
Scott Krueger (2)

Brandon Bogan (1)*
A. Diamantopoulos (1) (P)
Barry Sims (1)*
Ryan Spradlin (1)
Alberto Uzcanga (H)*
Jacob Wnuk (H) (P)

Interns

Jacob Evaska

Robert Young

Retired/Resignations

Holly Boehlke
Kathy Fischer
Gert Grohmann

Tyler Hass
Dawid Wojtowicz

Vincent Walker
Andrew Zolot

EMT Certified *
Paramedic (P)
Hired in 2017 (H)

Appendix