



Mequon Fire Department
2019 Annual Report



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OFFICE OF THE FIRE CHIEF

January 1, 2020

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

In 2019 the Mequon Fire Department responded to 2,323 fire and emergency medical calls, which is 194 more requests for service than a year ago and 406 more than five years ago. This report highlights the many emergency and non-emergency activities of the Mequon Fire Department in 2019.

Three noteworthy accomplishments in 2019 was the hiring of a full-time Deputy Chief in charge of inspections. The implementation of a new Emergency Medical Refresher program where all the training requirements are delivered in-house during weekly training to avoid the time and expense of hosting a refresher class. The fire department also performed 91 inter-facility transports generating over \$60,000 in revenue.

Moving forward into 2020, 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.

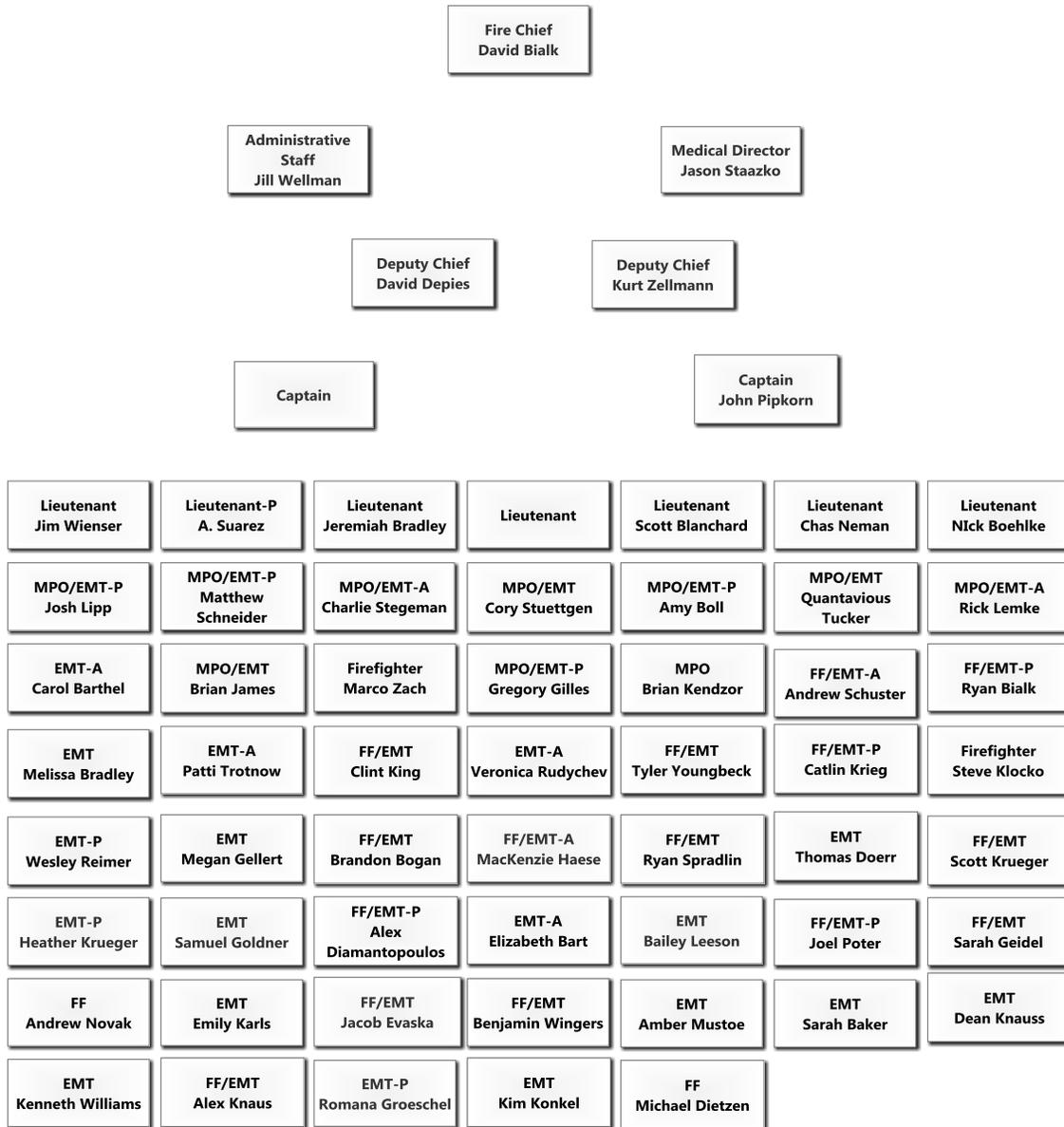
Each member of the Mequon Fire Department will pass on their training and experience to other members, thereby improving the ability and effectiveness of the department to serve the community.

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.



12/31/19

CHIEF'S REPORT

Operations

January

- The Mequon Common Council agreed to expand the incentive for fire department interns to include paying for paramedic training. The additional incentive is about \$6,000 per intern.
- The fire department's Medical Director narcotic license was renewed following all DEA policies and procedures.
- The fire department converted all EMT refresher training, traditionally managed in-house, to the new National Continued Competency Program (NCCP). The NCCP streamlines the recertification process into three strategic categories of continuing education: National, Local, and Individual. The program is designed to encourage Nationally Certified EMS personnel to pursue life-long education while also providing state and local agencies freedom to customize education to meet local operational needs.
- An audit was done of all EMS reports from 2018 to check for compliance with the State of Wisconsin required National Emergency Medical Services Information System III (NEMSIS III). All reports were in compliance.

February

- The Mequon Police and Fire Commission met to begin the process of hiring a Deputy Fire Chief in charge of fire inspections that was approved in the October of 2017.

March

- The fire department reached its five-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, every paramedic shift has been filled and a paramedic has responded to every Advance Life Support EMS call.
- Six candidates were interviewed for the fulltime Deputy Fire Chief. The interview panel consisted of three chief officers from other departments and two Police and Fire Commission members. After the interviews the list was narrowed to three and taken to the PFC for approval.

Chief's Report (continued)

- The Fire Chief attended the Wisconsin State Fire Chiefs Spring Education Conference in the Wisconsin Dells.

April

- Four 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. Training for the interns include, EMT, Firefighter Level II, Driver Operator Pumper and if they sign on for two years, paramedic training is paid for.
- The Mequon fire department partnered with the American Red Cross to equip every home with a WORKING smoke detector. If someone in Mequon does not have a smoke detector the American Red Cross will provide one and the Mequon Fire Department will install it.
- The fire department passed it's 2% dues audit. The department was found to be compliant with SPS 314 and State Statute 101.575 (6). The audit reviewed fire inspections, prevention, public education, and training records.
- The Fire Chief attended an awards banquet at the Wisconsin Humane Society to receive a plaque honoring the fire department for the rescue of a dog that had fallen through thin ice on the Milwaukee River that had been widely viewed on social media.

May

- Two, new sets of battery-operated extrication tools were purchased and entered into service. The previous tools were 25 years old and not designed to cut the newer reinforced materials found in today's vehicles.
- Deputy Chief Kurt Zellmann was sworn in as the fire department's second full-time employee in addition to the Fire Chief.

Chief's Report (continued)

June

- In June, the fire department noticed an increase in the number of vacant EMS shifts was trending upward. Typically, an average of 200 hours per month would go uncovered. However, in June the number was 500 hours and with the publishing of the July schedule, over 1,300 hours were unfilled. The Mequon fire department was experiencing the same staffing shortages that has befallen the fire service all over America.

July

- A temporary agreement between the Mequon Fire and EMS Association and the City was reached to increase the pay for "on call hours." This would incentivize personnel to fill more hours during the summer, alleviating staffing shortages.
- The fire department participated in the Fourth of July Observance at Trinity Lutheran Church-Freistadt.
- Chief Bialk and Deputy Chief Zellmann 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.

August

- An RFP was created to solicit vendors for EMS ambulance billing and collection services. Ambulance transports generate over \$500,000 annually. Mequon has utilized the same billing company since 2014.
- A new recruitment website and social media presence was launched to attract new members. The website has an informational form for potential candidates to fill out and autogenerates email messages to the candidate to keep them informed of the hiring process and department activities. The fire department also sent out 2,500 direct mailers to Mequon resident's as a recruitment effort for paid-on-call volunteers.

September

- Mequon fire department provided its antique Sterling Fire Truck and an ambulance on display at The Taste of Mequon for 9 hours.

Chief's Report (continued)

- Mequon fire department passed a biennial inspection of our three ambulances by the Wisconsin State Patrol. Every two years the State Patrol performs a site visit to check all service providers ambulance's for compliance with Federal and State rules. The inspection includes road worthiness of the vehicle and minimum stocking of medical equipment.

October

- The fire department completed its transition to a new ambulance billing company. A favorable rate was negotiated and current electronic patient care records were amended and policies adopted to fully integrate with the new provider.
- The fire department's administrative assistant completed two years of service with 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 for the fire department.

November

- The chief attended the annual meeting of the Ozaukee, Washington, Milwaukee, and Waukesha County Fire Chiefs to update all box alarm cards for their respective cities. A box alarm card is the template used to garner additional resources from other communities in the event of an emergency. Most departments design their box cards to request the closest units(municipalities)to the emergency. The box alarm cards are also designed to utilize resources from additional counties and across the state if needed.
- The fire department provided hands only CPR training to 71 city employees.
- A new inflatable Rapid Deployment Craft was purchased to replace the ice rescue sled. The new inflatable can be used on ice and in water. It also has the advantage of being easily deployed by one person.
- 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.

Chief's Report (continued)

December

- New EMS protocols were submitted and approved for 2020. The fire department must work with St Mary's and our medical director to update EMS protocols before submitting them to the state.

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 2019, the fire department received \$7,211 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 its third 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 2019 there were 91 inter-facility transports performed. The estimated additional revenue from doing the transports is approximately \$60,000.
- In July, the fire department received its 2% dues disbursement from the State of Wisconsin totaling \$168,000. 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:

Chief's Report (continued)

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.

- There were 517 burn permits issued in 2019 compared to 537 burn permits issued in 2018. Burn permits can be renewed via the internet.
- All fire department Standard Operating Guidelines were reviewed and updated.
- The fire department updated its website with specific local training material for members to access.

2019 Incidents

1/9/19 – The fire department responded to a semi-truck on fire in the 12800 blk of I-43. The truck was hauling cheese and after the fire was extinguished the Ozaukee County highway department spent two hours cleaning up the scene until the road was safe again to travel.

1/19/19 – Two persons were transported from an accident at County Line and Port Washington Road.

1/24/19 – The fire department donned ice rescue suits and rescued a dog clinging to an ice shelve in the Milwaukee River near 11400 N Parkview.

2/1/19 – A Garbage truck caught fire on Mequon Road near Lilac Lane. The fire burned through the trucks electrical system and was unable to unload the contents for overhauling. Holes needed to be cut into the side of the truck to extinguish the fire.

2/3/19 – A car caught fire in the parking lot of the Pavilions on Port Washington Road.

2/3/19 – The fire department responded to a car fire in the 12800 block of I-43, the car was a total loss.

2019 Incidents(continued)

3/15/19 – The department assisted some residents out of their homes along the Milwaukee River near Pioneer Road. An ice jam made the river water rise much

quicker than the residents anticipated and trapped them in their home before they could get out.

3/19/19 – A women and two children were carried to safety after their car was partially submerged on River Forest Drive.

3/25/19 – The Mequon fire department assisted the Milwaukee fire department with our grass fire truck at a large grass fire on 43rd Street and Hampton.

3/27/19 – The fire department responded to a car fire in the 10000 block of I-43.

3/30/19 – The Mequon fire department assisted the North Shore fire department in extinguishing an apartment fire in Bayside. Mequon was assigned to I-43 after the freeway was shut down and set up a drafting operation and water shuttle. Mequon supplied fire hoses for several hours from the freeway to help extinguish the fire.

4/9/19 - The fire department extinguished a grass fire along the shoulder of I-43 from the 11100 block to the 11200 block.

4/21/19 – A vehicle went off the road in the 14000 block of Wauwatosa Road and into a swampy area. The driver was unhurt and fire department personnel used ladders to create a bridge to assist the person out of their vehicle and back to the road.

5/10/19 – Two people were transported from a traffic accident in the 10300 of North Cedarburg Road.

5/11/19 – One person was transported from a one vehicle rollover accident in the 11300 block of I-43.

5/16/19 – One person was transported from a two-car accident at Wausaukee and Freistadt road.

5/18/19 – A 55-year-old was resuscitated inside the UPS store on Port Washington Road. The man walked out of the hospital a week later and went back to work after a short leave.

5/17/19 – Three people were extricated from a two-car accident in the 11500 block of Mequon road. One person was transported in serious condition to a trauma center.

2019 Incidents(continued)

5/10/19 – The fire department extinguished a car fire in the 11000 block of North Wauwatosa Road.

5/29/19 – An oven fire was extinguished and home ventilated on Haven Court.

6/9/19 – One person was transported from a motor vehicle accident at Green Bay Road and Pioneer Road.

6/16/19 – A large shed in the rear of 2408 Lagoon Court was extinguished shortly after midnight. The fire was called in by someone who saw the flames from through the backyards.

6/20/19 – A 62-year-old women's life was saved by the Mequon fire department paramedics after performing a cricothyrotomy in the field. The women was stung by multiple bees and went into anaphylactic shock. The emergency tracheotomy is the only procedure that could have saved her life.

6/25/19 – A boat became stuck in the mud on the Milwaukee River and the fire department assisted the boaters out of the mud.

6/28/19 – The department investigated a lighting strike at 12531 N Lake Shore Drive. Lighting struck a tree in the yard which caused a low voltage transformer on the wall of the garage to explode.

7/5/19 – Two people were taken to the hospital after a two-car accident at Mequon Road and Mequon Trail.

7/10/19 – A car fire was extinguished on I-43 at Pioneer Road.

7/12/19 – Three people were taken to a hospital from the 10800 block of Cedarburg Road.

7/18/19 – A lighting strike started an attic fire at 1538 Winding Hollow Lane. A neighbor saw the lighting strike and immediately observed smoke coming from the attic. The neighbor called 911 as well as alerted the residents to the fire. Mutual aid was requested from Thiensville, Cedarburg, Grafton and the North Shore.

7/18/19 – Lighting started a house fire at 6924 W Freistadt Road. No one was home at the time of the fire. A passerby dialed 911 when smoke was spotted coming from the roof of the garage and home. Mutual aid was requested from Thiensville, Cedarburg, Grafton, and the North Shore.

2019 Incidents(continued)

7/20/19 – The fire department investigated a lightning strike on Rudella Lane, the only damage was a hole in the roof.

7/20/19 – Two people were rescued out of a stuck elevator at 10954 N Cedarburg Road.

7/25/19 – The fire department extinguished a fire along the freeway near Pioneer Road.

7/31/19 – One person was transported from a car accident at Green Bay Road and Silver Fox Lane.

8/5/19 – Two people were rescued from a house fire on Parkview Drive at Eastgate Drive. The fire started in the garage and spread to the home. A care worker and her non-ambulatory patient were trapped in the house by the fire. Fire crews entered the building and removed the victims via a window. Both people suffered smoke inhalation and minor cuts, one person was transported to the hospital. Mutual aid was received from Thiensville, Cedarburg, Grafton, and the North Shore.

8/6/19 - A 58-year-old male was resuscitated in his front yard after his neighbor noticed the man on the ground. The neighbor called 911 and began CPR. With the help of the Mequon dispatchers, the citizen rescuer was able to preform CPR until the fire department arrived.

8/7/19 – A dumpster fire was extinguished behind 10130 N Port Washington Road.

8/9/19 – The fire department responded to an injury accident on the on ramp to I-43 at Mequon Road.

8/15/19 – A dumpster fire was extinguished at 10600 N industrial Drive.

8/15/19 - A car sheared off a utility pole in the 6300 Block of Donges Bay Road, no one was injured but traffic was stopped for an hour.

9/10/19 – One person was extricated and transported from a semi vs truck accident on I-43.

9/10/19 – One person was taken to the hospital after being struck by a car at Mequon Road and North Port Washington Road.

9/15/19 – Mequon responded with a fire engine and a chief officer to a mutual aid request in Germantown.

2019 Incidents(continued)

9/16/19 – Mequon sent a fire engine, chief officer and an ambulance to a second alarm fire in Grafton.

10/4/19 – One person was transported from a single vehicle accident in the 11500 block of N Farmdale Road. A minibus hit a tree at a high rate of speed causing the victim to become trapped in vehicle. It took 29 minutes to extricate the patient from the vehicle, the patient was then air lifted to a trauma center.

10/14/19 – The fire department responded to a chimney fire at 12589 N Wauwatosa Road.

10/15/19 – A car fire was extinguished in the 12800 block of I-43

10/23/19 – A construction company hit a natural gas line at Lumen Christi Church causing an evacuation of the church, school and offices.

10/23/19 – Two people were transported from a car accident at Mequon and Range Line Road.

10/26/19 – Three people were injured in a two-car accident at Green Bay Road and Pioneer.

10/25/19 – A car fire was extinguished in the Piggly Wiggly parking lot.

10/30/19 – Mequon fire assisted the Germantown fire department with a fire at a food processing plant on Church Street.

11/18/19 – The fire department was called to Haddonstone Place near Donges Bay Road to check the ice after a resident saw two children on the ice then lost sight of them. After checking the area, a hole was found in the ice and the two children were located at home safe.

11/19/19 – The fire department extinguished a car fire on Swan and County Line Roads.

11/22/19 – Two people were removed from a stuck elevator at St Mary's office building.

12/12/19 – The fire department responded to the St Paul Fish Company for a report of smoke coming from the walls. After investigation a fryer was found to be too close to some combustibles.

2019 Incidents(continued)

11/28/19 – The passer by spotted a chimney fire in the 9800 block of Range Line. The fire department responded and extinguished the fire.

12/4/19 – Mequon assisted the Grafton fire department with a four-alarm fire on High Bluff Road in the Town of Grafton.

12/5/19 – One person was transported from a car accident in the 11300 block of Port Washington Road.

12/9/19 – The fire department responded to a two-vehicle accident at Wauwatosa Road and County Line Road. One person was killed and three others needed to be extricated from the vehicles. Mutual aided was needed from Grafton, Thiensville, North Shore and the City of Milwaukee.

12/6/19 – Two people were transported from a car accident in the 13100 block of Port Washington Road.

1/1/19 – 12/31/19 The Mequon Fire Department administered the drug Narcan 12 times in 2019 to patients who overdosed.

1/1/19 – 12/31/19 The fire department treated six people in 2019 with epinephrine to treat anaphylactic reactions to bee stings. A seventh person had such a severe reaction they needed to have an emergency tracheotomy performed in the field.

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.

2019 Statistics

Department personnel conducted 1,475 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, 356 written requests for compliance were issued.

Fire Prevention Report (continued)

In 2019, the fire department spent 139 hours conducting fire safety talks and tours of the fire department for the community. In 2019 about 200 adults and children had direct interaction with the fire department and fire prevention activities.

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 donated birthday parties at the fire house to community organizations as a fund raiser to; Mequon/Thiensville Tartan Bash, Lumen Christi's Shamrock Dinner, Wilson Elementary Fun Fair and a ride to from school in a fire truck for the Mequon/Thiensville Chamber of Commerce Awards Dinner.

The fire department conducted CPR training for 180 people in 2019.

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 2019, the department delivered 2,928 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 for cancer prevention.
- The fire department conducted ice rescue training for all personnel.
- Michael Dietzen, Alex Knaus, Andrew Novak, Sam Goldner and Derek Zehetner completed Firefighter Level I certification.
- Ernesto Campos, Heather Flores, Deonte Pettis and Humberto Hernandez completed fire inspector training.
- Brandon Bogan and Rick Lemke completed Fire Officer I certification.
- Ryan Spradlin and Robert Bell completed paramedic training.
- Ernesto Campos, Heather Flores, Deonte Pettis and Ryan Spradlin all completed Firefighter level II certification.
- The fire department technical rescue team conducted high-angle rescue training at the fire station.
- All fire department members were recertified in CPR, advanced airway and defibrillation.
- 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.

Training Report (continued)

- The fire department conducted in-house skills assessments called 911 Emergencies, High Risk/Low Frequency Events. 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 model is a pass/fail assessment that all levels must pass to be eligible to work hours on the ambulance or first responder vehicle.
- The Fire Chief attend the Wisconsin EMS Association conference.
- A First Responder class was conducted for two individuals wanting to become first responders to EMS calls. There are two first responder vehicles staffed 24/7 by one EMT on each side of the city. The first responder has enormous responsibility being the first person on scene of an EMS call, often alone for several minutes until other personnel arrive. 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 2019, the dive team put in 355 hours of training along with members of the technical rescue team. There are currently five qualified divers and four support personnel. Training consists of pool sessions in the winter months focusing on basic scuba skills and in summer open water dives in the Milwaukee River and area quarries. 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.

Training Report (continued)

Four members of the Dive Team, Brandon Bogan, Brian Kendzor, Kurt Zellmann and Drew Schuster received their basic diver certification.

The dive team participated in joint ice dive training with other Ozaukee County dive teams in February.

The dive team was called three times in 2019;

- One call was for two individuals trapped in their home due to rising flood waters.
- One call was to check for a driver in a car that went into a pond at Pioneer and Wausaukee Roads.
- One call was to check a hole in the ice at Haddonstone Place near Donges Bay Road to look for possible missing kids.

Technical Rescue

In 2019 the Mequon Tech Team trained in technical rescue, which includes high angle, trench rescue, and building collapse. In 2019, 353 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. The Tech Team dropped from its training confined space rescue because of the vast number of hours required to maintain a certified team. The team chose to train all members to the awareness level of confined space.

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	34
961	1996	Pierce Quint	85' Aerial with 1500gpm Pump	24
967	1996	Ford	3500 Gallon Tender	24
953	1998	Ford/F350	Rescue / Brush Truck	22
963	2005	Pierce Kenworth	Fire Engine 1500gpm Pumper	15
960	2006	Pierce Ladder Tower	100' Platform with 1500gpm Pump	14
956	2009	Chevy/Tahoe	Staff car	11
951	2009	Ford/F350	Ambulance	11
962	2008	Pierce Impel	Fire Engine 1500gpm Pumper	12
966	2011	Pierce International	3500 Gallon Tender	9
951	2014	Ford/F450	Ambulance	6
964	2015	Pierce Impel	Fire Engine 1500gpm Pumper	5
955	2016	Ford/F59 Van	Special Operations Equipment Truck	4
970	2016	Chevy/Tahoe	Chiefs Car	4
950	2016	Ford/F350	Ambulance	4
958	2017	Jeep Grand Cherokee	First Responder Vehicle	3
958A	2017	Jeep Grand Cherokee	First Responder Vehicle	3

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)

- A new inflatable Rapid Deployment Craft was purchased to replace the ice rescue sled.
- A generator for creating 120/220-volt power on ladder truck 960 needed to be replaced. The replaced generator was purchased 13 years ago and after being discontinued, was no longer supported by the manufacturer.
- Ambulance 950 had a major engine failure with 98,000 miles on it requiring a new motor to be installed. The ambulance was out of service for approximately six weeks while the vehicle was being repaired. During those six weeks, a rental ambulance located and put into service.
- An extractor machine for washing firefighter turn out clothing was purchased for station 2. Historically all fire gear had to be brought to station 1 for cleaning. The wash machine at station 2 allows for members to wash their gear more often to rid the equipment of carcinogens and to be more efficient with the care of their equipment.
- This is the second year of using an electronic maintenance/repair request form. The goal is to use the data collected to better assess the vehicle fleet and look for problem equipment or vehicles that are too costly to maintain.
- Each of the three ambulances has a power assisted patient stretcher. The power assisted stretchers had preventive maintenance performed by a certified representative of the manufacturer. One of the stretchers needed a costly hydraulic ram replaced. Fortunately, because of keeping up on the preventive maintained the part was covered under warranty.
- 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 2019.
- The fire department has approximately three-and-a-half miles of fire hose that was service tested in 2019. Hose that fails the yearly service test is replaced or repaired.

Equipment Report (continued)

- 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.
- The fire departments breathing air compressor suffered a premature major failure and was unable to be repaired due to a lack of replacement parts. The service life of an air compressor should be 15 years ours failed after 8 years. In early 2020 work will begin on finding a replacement air compressor.
- All members had a qualitative fit test performed with their face-piece for the self-contained breathing apparatus.

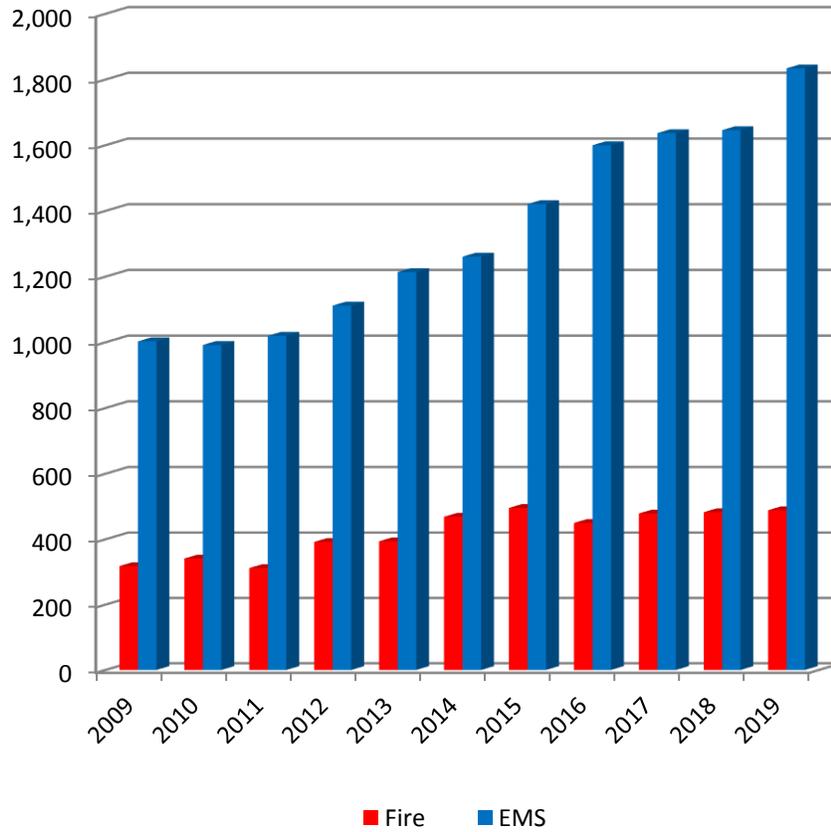
STATION IMPROVEMENTS

One of the keys to a successful paid-on-call department is having a place where members can spend time working out, studying, having access to the internet, watching TV, 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.

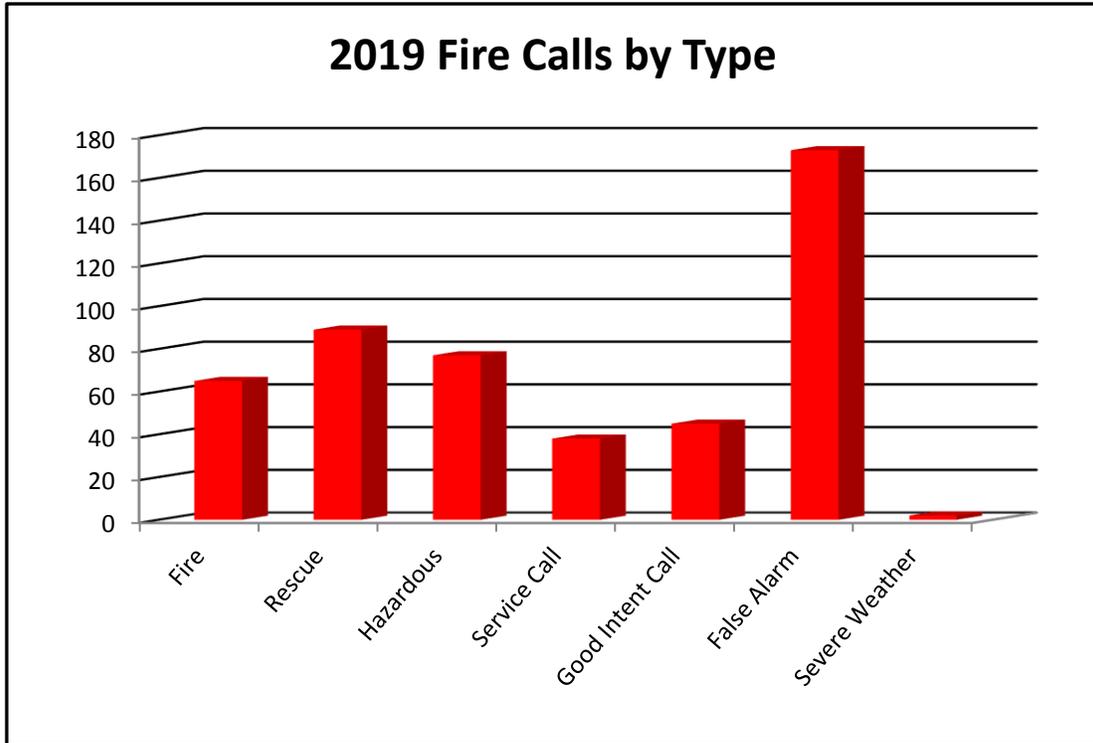
Improvements in 2019:

- A key fob system was installed on the exterior doors of each fire station. The key fobs allow better control of who has access to the fire stations and allows a tracking system of who enters the building.
- Two outside “man” doors were replaced at station 2. The old doors were rusted and did not secure tightly when closed and would blow open in a strong wind.

Fire and EMS Calls
10 Year Comparison



Year	Fire	EMS	Total
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
2018	483	1,646	2,129
2019	489	1,834	2,323



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.

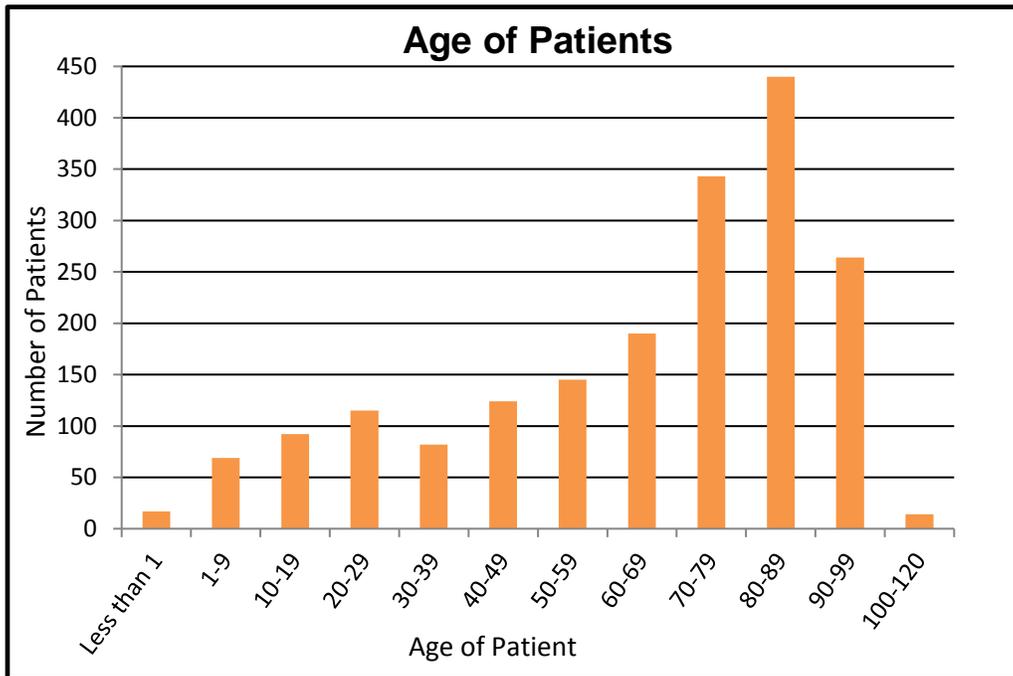
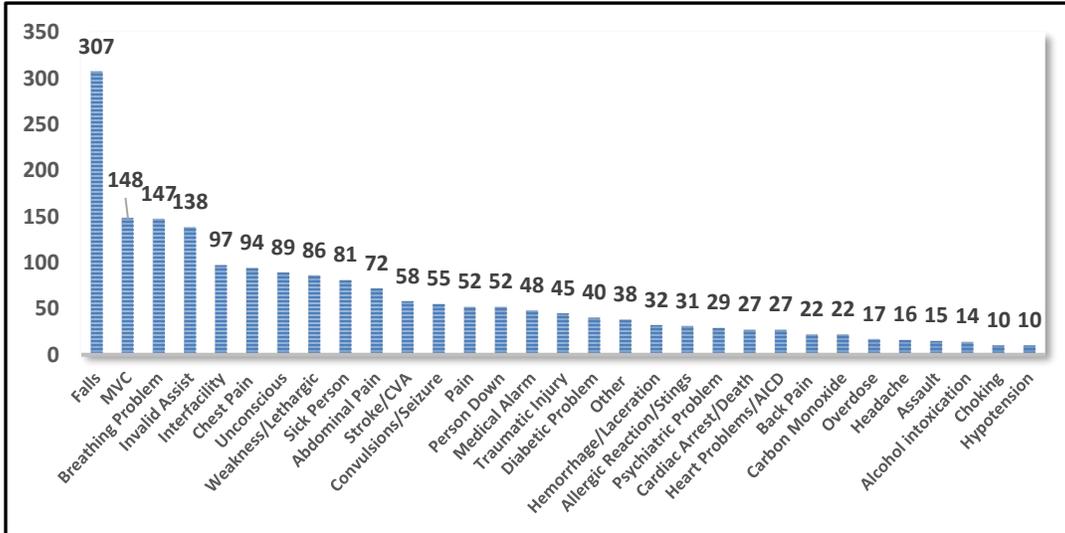
Service Call = water problem, smoke or odor removal, cover assignment for another fire department.

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

2019 EMS Calls by Dispatch Reason

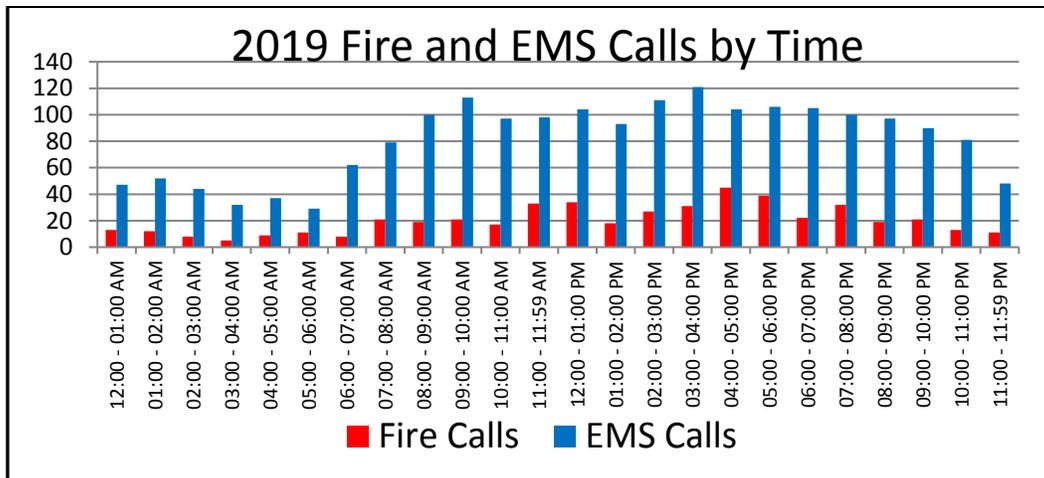


HOSPITAL DESTINATIONS FOR 911 CALLS 2019

Hospital Destinations	
Columbia St Mary's Ozaukee	853
No Transport /Other	634
Aurora Medical Center Grafton	239
Children's Hospital	73
Froedtert Memorial Hospital	29
Community Memorial Hospital	25
St Mary's Milwaukee	5
St Joseph's Milwaukee	4
St Luke's Medical Center	3
Aurora Sinai Medical Center	1
VA Medical Center	1
Total	1,867

HOSPITAL DESTINATIONS FOR INTER-FACILITY TRANSPORTS 2019

Hospital Destinations	
Columbia St Mary's Milwaukee	61
Froedtert Memorial Hospital	17
Children's Hospital	12
Winnebago Mental Health	1
Total	91



Time	Fire Calls	EMS Calls
12:00 - 01:00 AM	13	47
01:00 - 02:00 AM	12	52
02:00 - 03:00 AM	8	44
03:00 - 04:00 AM	5	32
04:00 - 05:00 AM	9	37
05:00 - 06:00 AM	11	29
06:00 - 07:00 AM	8	62
07:00 - 08:00 AM	21	79
08:00 - 09:00 AM	19	100
09:00 - 10:00 AM	21	113
10:00 - 11:00 AM	17	97
11:00 - 11:59 AM	33	98
12:00 - 01:00 PM	34	104
01:00 - 02:00 PM	18	93
02:00 - 03:00 PM	27	111
03:00 - 04:00 PM	31	121
04:00 - 05:00 PM	45	104
05:00 - 06:00 PM	39	106
06:00 - 07:00 PM	22	105
07:00 - 08:00 PM	32	100
08:00 - 09:00 PM	19	97
09:00 - 10:00 PM	21	90
10:00 - 11:00 PM	13	81
11:00 - 11:59 PM	11	48

Response Times to Fire and EMS Calls

Average Response to Fire Calls - 11:15
Average Response for First Responder to EMS Calls - 4:37
Average Response for Paramedic Ambulance to EMS Calls - 9:18

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 more vague.

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 will continue to strive for the NFPA 1710 benchmarks providing the best possible service using its available resources.

Mequon Fire Department - Years of Service Roster

Fire Chief

David Bialk (13)*

Deputy Chiefs

David Depies (35)* Kurt Zellmann (H) (P)

Captain

John Pipkorn (33) (P)

Lieutenants

Charles Neman, Jr. (30)*
James Wienser (29)*
Armando Suarez Del Real (16) (P)
Nicholas Boehlke (16)*
Jeremiah Bradley (10)*

Motor Pump Operators

Charles Stegeman(19)*
Cory Stuetzgen (18)*
Ryan Bialk (12) (P)
Josh Lipp (10) (P)

Matthew Eggebrecht (9) (P)
Quantavious Tucker (9)*
Amy Boll (8) (P)
Brian Kendzor (8)

Gregory Gilles (6) (P)
Brian James (6)*
Matthew Schneider (6) (P)
Rick Lemke (4)*

Emergency Medical Technicians

Carol Barthel (38)*
Patricia Trotnow (33)*
Andrew Schuster (7)*
Melissa Bradley(6)*
Megan Gellert (6)*
Wesley Reimer (6) (P)
Elizabeth Bart (5)*

Veronica Rudychev (4)*
Heather Krueger (3)*
Bailey Leeson (3)*
Caitlin Krieg (2)*
Thomas Doerr Jr. (1)*
Dean Knauss (1)*
Alex Knaus (1)*

Kim Konkel (H)
Emily Karls (H)
Kenneth Williams (H)
Romana Groeschel (H)
Sarah Baker (H)
Amber Mustoe (H)

Firefighters

Steve Klocko (27)
Marco Zach (15)
Sarah Geidel (12)*
Tyler Youngbeck (7)*
Clint King (6)*
A. Diamantopoulos (5) (P)
Scott Krueger (4)*

Brandon Bogan (3)*
Ryan Spradlin (3)*
Mackenzie Haese (3)*
Benjamin Wingers (2)*
Samuel Goldner (1)
Jacob Evaska (1)*
Jon Wood (H)

Humberto Hernandez (H)
Robert Bell (H)*
Jameson Czarnecki (H)
Michael Dietzen (H)
Craig Rebello (H)
Andrew Novak (H)

Interns

Ernest Campos

Heather Flores
Moises Reyes

Deonte Pettis

Retired/Resignations

Schaeffer Broeske
Joel Porter
Scott Blanchard

Benjamin Forke
Alberto Uscanga
Andrew Allen

Nicholas Robertson
Barry Sims

EMT Certified *
Paramedic (P)
Hired in 2019 (H)



WORKOUT FOR A PURPOSE

Volunteers Needed!

Everyone is needed: men and women, EMTs and Firefighters

Everyone is needed: men and women, EMTs and Firefighters



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