

Mukwonago Fire Department Annual Report 2020

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Mission Statement

It is the mission of the Mukwonago Fire Department to provide a range of programs designed to protect the lives and property of the inhabitants of the Village and Town of Mukwonago from the adverse effects of fire, sudden medical emergencies or exposure to any dangerous condition created by either man or nature.

Vision Statement

The Mukwonago Fire Department will continually strive to exceed our citizen's expectations working within a healthy, safe, and innovative environment that enhances the professional and efficient delivery of emergency services. We also strive to be an organization providing community safety education and information keen to anticipate, influence and embrace change.

Core Values

Integrity – openness, honesty, loyalty, and honor; leading through example to achieve a common goal by actions.

Professional Development – commitment to continually expand the abilities of personnel, encourage continuous education and advancement opportunities as becoming officers.

Accountability – all personnel, management and otherwise providing a level of accountability to each other and the community and the implementation of responsible measuring.

Teamwork – develop and maintain a sense of family camaraderie and loyalty to one another and to the community; provide a sense of help and encouragement for all and by all.

Innovation – progressive, pro-active, modern, open, and creative; open and receptive to all input and feedback

Chief's Report

I appreciate you taking the time to see whom we are and what we do. Should you have further questions or are interested in joining this organization you can contact us. We are always looking for additional highly motivated and team-oriented people to join our staff.

In 2020, MFD total call volume reached 2302 calls. MFD responded to 93 more EMS calls and 25 less Fire requests, overall, 3% increase in call volume. MFD continued providing inter-facility transports when available. Daytime staffing consisted of two full time, two POP and the Duty Officer for daytime coverage during the week and one additional POP position on the weekends. In 2020 78.6% of the available POP shifts were filled. **2,137 hours were not filled, equating to 178- 12 hour shifts of the year the department was short staffed.** As we examine our operations, we have taken an emphasis on transitional firefighting and trying to predict fire flow while working with minimal staffing.

The department consists of Paid on Call (POC), Paid on Premise (POP) and 7 full time staff, including the Fire Chief. Additionally, there are two POP staff from 6am to 6pm Monday thru Friday and two POP 0800-1800hrs and one POP 0600-1800hrs on the weekends. POC staff 6pm to 6am seven days a week on a rotating schedule. POC membership is declining nationally and MFD is not immune to this trend. The struggle is that area departments are competing for the same pool of POP and POC staff. Due to the shortage of available trained individuals' recruitment of POP staff is becoming as challenging as is POC staffing. Many area departments have implemented POP staffing and have increased pay rates which creates a competition for these individuals. In addition, several departments are continuing to hire fulltime staff, which results in decreasing retention. Several of our POC/POP staff have been hired fulltime. In 2020 MFD hired 13 POC/POP staff and lost 16 POC/POP due to fulltime positions, work changes, participation issues and life challenges. Since 2012 to 2020 MFD has hired 136 individuals and lost 139 individuals resulting in a **negative** in staffing.

The Mukwonago Fire Department Study examining administration, staffing, operations, future growth, and needs was completed in 2020. The study presented 43 recommendations which addressed all areas listed above. The study results were presented to the respected boards. Staff started addressing the recommendations. The financial impact and most challenging is to address the gross staffing shortage as identified in the study. The study recommends a full-time staffing level of 5 personnel per day (15 total) with a full-time Fire Inspector. The recommendation does not include the Fire Chief. That equates to a staffing shortage of 10 full-time staff. Starting 2021 the department will work closely with the municipal administrators and develop a plan how to address the shortage. I am available to address any questions.

Everyone is welcome at any time to stop in, meet your firefighters, and look at your apparatus. As well as responding to calls, members have spent numerous hours in training and education to keep their skills at top levels. Enjoy the following more detailed information in the following pages.

Sincerely,
Jeffrey R. Stien
Fire Chief

Role of Mukwonago Fire Department Personnel

Save life, Protect Property, Render Assistance... IN ADDITION...

The role of today's fire department personnel is quite different from that of years past. The fire service is constantly changing to meet the needs of the community under ever changing times.

Mukwonago Fire Department Personnel need to possess certain attributes to be successful in the role of Firefighter/EMT: commitment, dedication, integrity, confidence, resilience, adaptability, effective communication skills.

A common image of the firefighter is that of fighting fires. The reality is this is a small fraction of the role. Personnel are cross trained in fire and EMS skills. This is effective utilization of the limited number of personnel on the Mukwonago Fire Department. Fire and EMS personnel function in a multi-faceted role within these common areas:

Prevention

Bi-annual inspections and education activities that prevent fire, aid in rapid extinguishment, or limiting the loss of life and property.

- Business, school, residential facility, and home safety inspections
- Education presentations in daycare facilities and schools
- Facility tours
- Open house and other public relations activities to enhance the public's perception of the Mukwonago Fire Department.
- Maintain excellent working relationships with other local departments such as Police and Department of Public Works.

Preparation

Maintaining all aspects of the Mukwonago Fire Department and its Personnel in a state of readiness.

- Routine apparatus and equipment checks – observing and checking for needed repairs, replacement, expirations and deficiencies
- Cleaning – apparatus and equipment will last longer and function more effectively. Station cleaning is also important in preparation should the need to open our doors for displaced members of the community.
- Personnel ensuring their own fitness levels are such that they are prepared for the physically and mentally demanding work.

- In house training monthly for EMT's, Paramedics, Fire Department, Duty Company and Dive Team.
- External training at WCTC, Gateway Technical College, seminars, or other experiential opportunities to further the knowledge of Mukwonago Fire Department Personnel and to stay current with ever changing technologies.
- Perform administration duties related to records and documentation, thus promoting an overall efficient operation of the Mukwonago Fire Department.

Protection

Programs in place to protect Mukwonago Fire Department Personnel and the community in the event of an emergency.

- Vaccinations against influenza, scheduled TB skin tests, scheduled personal protective equipment inspections and routine cleaning.
- Annual SCBA flow and fit tests
- Annual apparatus pump testing, ladder testing and hose testing
- Fire Code and ordinance enforcement.

Response

Putting necessary items into place to expedite the response of Mukwonago Fire Department in the event of an emergency and safely mitigate any incident.

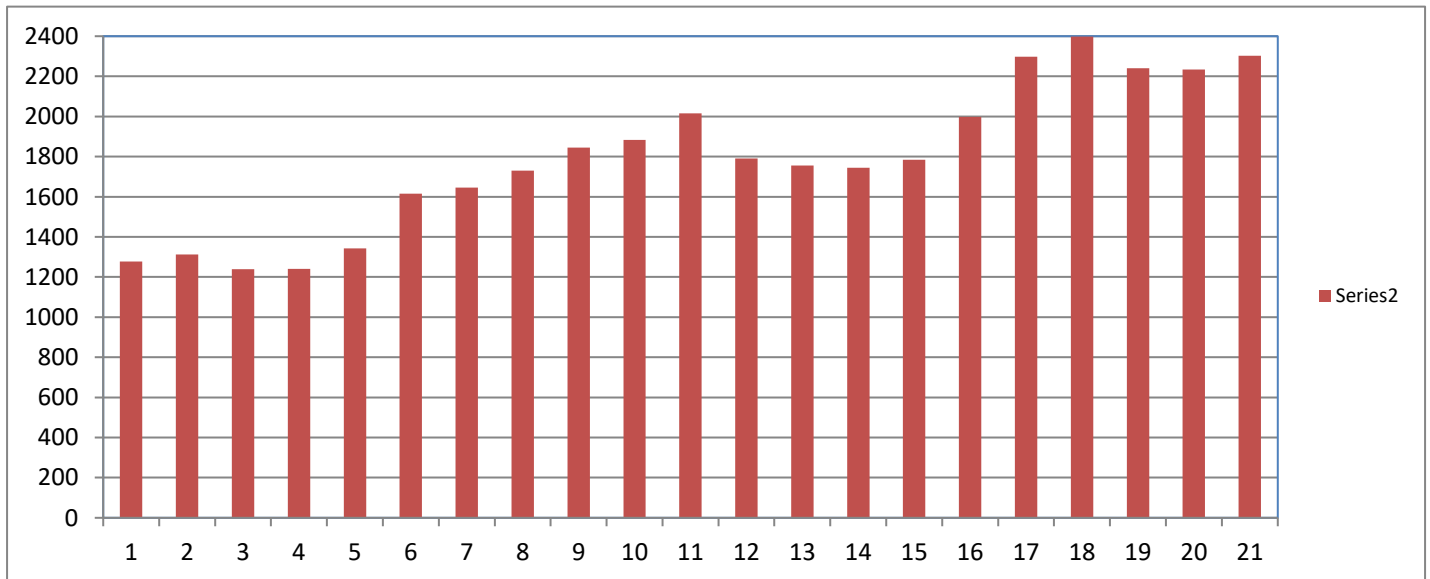
- Driver training and education regarding safe and prompt responses.
- Familiarizing all personnel with the Mukwonago community.
- Familiarizing personnel in the use of GPS units in all apparatus.
- Be prepared for incidents that not only involve fire and medical emergencies but also:
 - Motor vehicle accidents
 - Hazardous materials leaks
 - Railroad incidents
 - Water and Ice emergencies
 - Natural disasters, and
 - Any other response for which requested.
- Operate apparatus such as engines, aerial devices, water tenders, trailers, ambulances, and support vehicles within the vehicle's design parameters so that the apparatus is used safely and effectively.
- Responsible for all firefighting duties involved in the incident necessary to save lives and property, combat, extinguish and/or prevent fires and effectively perform these duties as required under emergency conditions frequently involving considerable hazards.

- Provide medical assistance and administer medical procedures to stabilize a patient's condition and prepare them for transport to medical care facilities.
- Safely perform rescue operations for the victim and rescue personnel.

Executive Summary

Year	Total	Total % Change	EMS	EMS % Change	Fire	Fire % Change
2000	1277	0.0				
2001	1312	2.7				
2002	1239	-5.6				
2003	1241	0.2				
2004	1342	8.1				
2005	1615	20.3				
2006	1646	1.9	1361		285	
2007	1730	5.1	1426	4.8	304	6.7
2008	1845	6.6	1537	7.8	308	1.3
2009	1883	2.1	1625	5.7	258	-16.2
2010	2015	7.0	1694	4.2	321	24.4
2011	1791	-11.1	1563	-7.7	228	-29.0
2012	1756	-2.0	1508	-3.5	248	8.8
2013	1745	-0.6	1497	-0.7	248	0.0
2014	1784	2.2	1531	2.3	253	2.0
2015	1998	12.0	1719	12.3	279	10.3
2016	2298	15.0	2020	17.5	278	-0.4
2017	2399	4.4	2117	4.8	282	1.4
2018	2241	-6.6	1994	-5.8	247	-12.4
2019	2234	-0.3	1970	-1.2	264	6.9
2020	2302	3.0	2063	4.7	239	-9.5
% Inc.	80.27					

Inter-Facilities 07-06-15
Full year of Inter-facilities



Number of Annual Fire and EMS Calls Per Year

Total Number of Fire Incidents 239

Agency Name	Total Number of Incidents	Total Number of Responders	Average
Mukwonago Fire Department	239	1,166	4.89

Fire Incidents by District

Eagle	4
EastTroy	1
North Prairie	1
Other	7
Pewaukee	4
Tess Corners	2
Tichigan	2
Vernon	2
Wales-Genesee	1
Waterford	1
Western Lakes	2
Zone 1 Town NW	19
Zone 2 Town NE	19
Zone 3 Town SW	27
Zone 4 Village	148
Total	236

Fire District 1, 2, 3 are the Town of Mukwonago and District 4 is the Village of Mukwonago.

Mutual Aid Given and Received

Mutual Aid Given			Mutual Aid Received	
FD ID	Basic Incident Type Code And Description	Incidents	Basic Incident Type Code And Description Recvd	Incidents
	571 - Cover assignment, standby, moveup	2	111 - Building fire	5
51080	611 - Dispatched and cancelled en route	1	143 - Grass fire	1
51120	111 - Building fire	1	171 - Cultivated grain or crop fire	1
	142 - Brush or brush-and-grass mixture fire	1	311 - Medical assist, assist EMS crew	9
64130	111 - Building fire	1	322 - Motor vehicle accident with injuries	3
67016	111 - Building fire	1	324 - Motor vehicle accident with no injuries.	2
67080	111 - Building fire	1	561 - Unauthorized burning	1
	143 - Grass fire	1	611 - Dispatched and cancelled en route	1
67130	111 - Building fire	1	622 - No incident found on arrival at dispatch address	1
	571 - Cover assignment, standby, moveup	1	743 - Smoke detector activation, no fire - unintentional	1
67140	111 - Building fire	1	745 - Alarm system activation, no fire - unintentional	1
	142 - Brush or brush-and-grass mixture fire	1		
	521 - Water evacuation	1	Total	26
	611 - Dispatched and cancelled en route	1		
67210	571 - Cover assignment, standby, moveup	1		
67270	571 - Cover assignment, standby, moveup	3		
	745 - Alarm system activation, no fire - uninte	1		
67310	111 - Building fire	2		
	651 - Smoke scare, odor of smoke	1		
	Total	23		

Mutual aid request are made when additional resources or staffing are needed that exceed the current resources or when there is no staffing to handle the call due to being on multiple or other calls. Mukwonago FD is part of MABAS Division 106. The mutual aid requests listed above are for fire calls only.

Types of Incidents

Basic Incident Type Code and Description	Incidents	Percent	Property Loss	Content Loss	Total Loss
100 - Fire, other	2	0.83%	2,000	400	2,400
111 - Building fire	18	7.50%	266,180	162,750	428,930
112 - Fires in structure other than in a building	1	0.42%	1,000	4,000	5,000
113 - Cooking fire, confined to container	1	0.42%			
130 - Mobile property (vehicle) fire, other	2	0.83%	5,000	0	5,000
131 - Passenger vehicle fire	2	0.83%	6,000	0	6,000
132 - Road freight or transport vehicle fire	1	0.42%			
141 - Forest, woods, or wildland fire	1	0.42%			
142 - Brush or brush-and-grass mixture fire	3	1.25%			
143 - Grass fire	2	0.83%			
150 - Outside rubbish fire, other	1	0.42%			
160 - Special outside fire, other	1	0.42%			
171 - Cultivated grain or crop fire	1	0.42%			
251 - Excessive heat, scorch burns with no ignition	1	0.42%			
311 - Medical assist, assist EMS crew	19	7.92%			
322 - Motor vehicle accident with injuries	21	8.75%			
323 - Motor vehicle/pedestrian accident (MV Ped)	1	0.42%			
324 - Motor vehicle accident with no injuries.	16	6.67%			
341 - Search for person on land	1	0.42%			
351 - Extrication of victim(s) from building/structure	1	0.42%			
381 - Rescue or EMS standby	1	0.42%			
411 - Gasoline or other flammable liquid spill	3	1.25%			
412 - Gas leak (natural gas or LPG)	6	2.50%			
413 - Oil or other combustible liquid spill	5	2.08%			
424 - Carbon monoxide incident	3	1.25%			
444 - Power line down	1	0.42%			
445 - Arcing, shorted electrical equipment	4	1.67%			
463 - Vehicle accident, general cleanup	1	0.42%			
521 - Water evacuation	1	0.42%			
531 - Smoke or odor removal	3	1.25%			
550 - Public service assistance, other	1	0.42%			
551 - Assist police or another governmental agency	6	2.50%			
553 - Public service	1	0.42%			
554 - Assist invalid	1	0.42%			
555 - Defective elevator, no occupants	1	0.42%			
561 - Unauthorized burning	9	3.75%			
571 - Cover assignment, standby, move up	7	2.92%			
600 - Good intent call, other	1	0.42%			
611 - Dispatched and cancelled en route	12	5.00%			
622 - No incident found on arrival at dispatch address	5	2.08%			

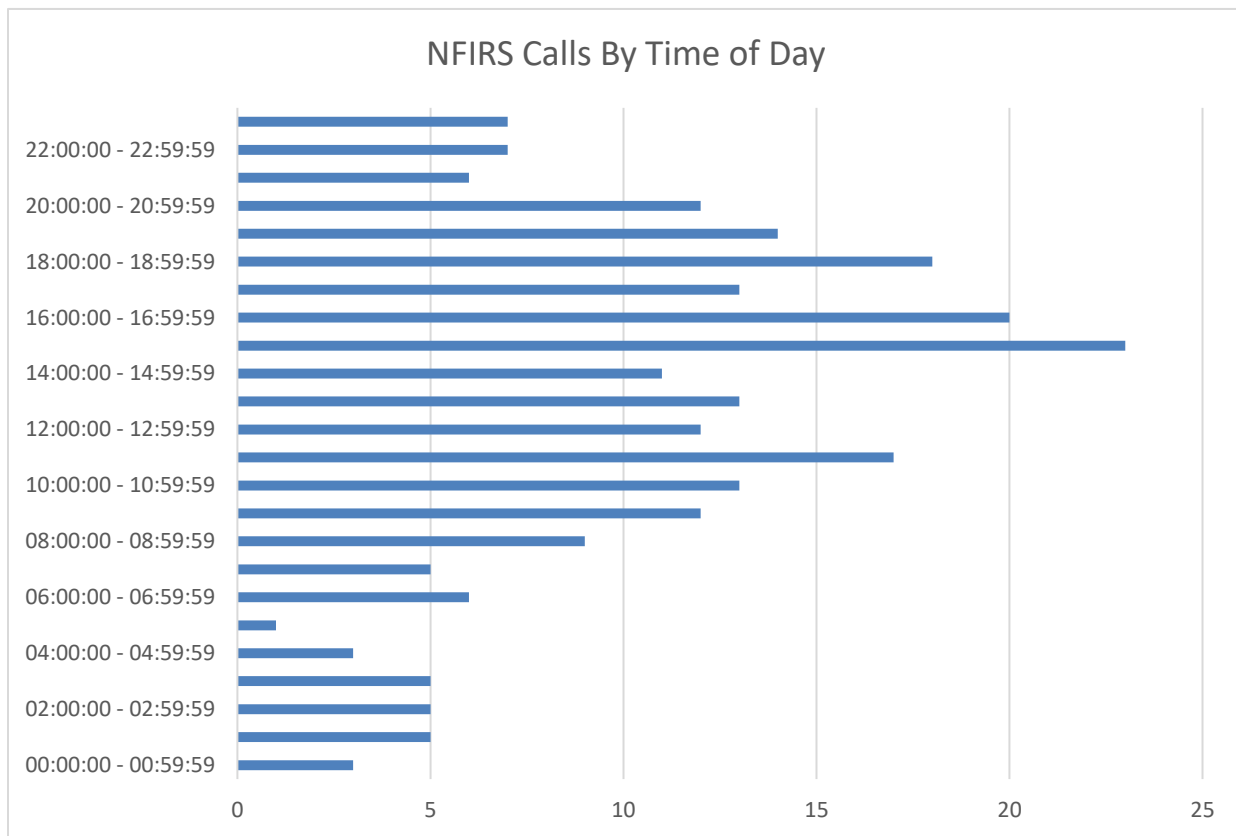
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631 - Authorized controlled burning	1	0.42%
651 - Smoke scare, odor of smoke	5	2.08%
652 - Steam, vapor, fog, or dust thought to be smoke	2	0.83%
671 - HazMat release investigation w/no HazMat	7	2.92%
714 - Central station, malicious false alarm	1	0.42%
733 - Smoke detector activation due to malfunction	10	4.17%
735 - Alarm system sounded due to malfunction	11	4.58%
736 - CO detector activation due to malfunction	7	2.92%
741 - Sprinkler activation, no fire - unintentional	2	0.83%
743 - Smoke detector activation, no fire - unintentional	4	1.67%
744 - Detector activation, no fire - unintentional	3	1.25%
745 - Alarm system activation, no fire - unintentional	19	7.92%

Total	240	100.00%	280,180	167,150	447,330
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Fire Incidents Alarm Time Analysis

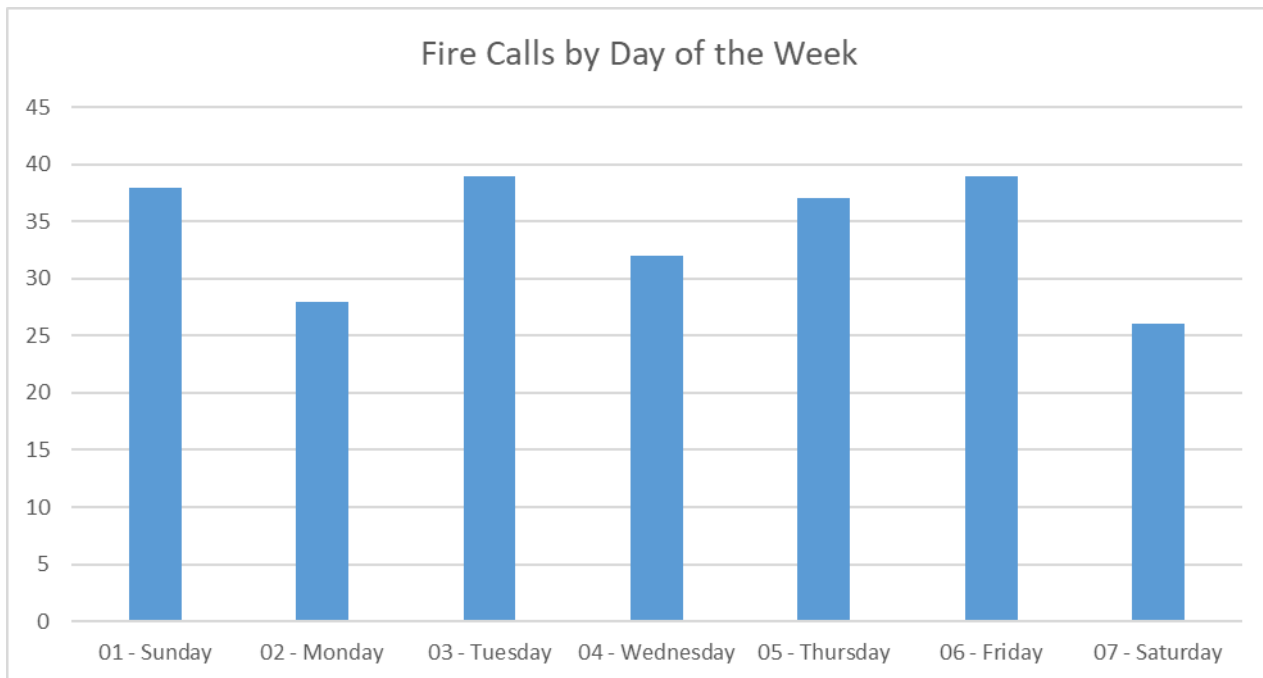
Hour of Day	Number of Incidents
00:00:00 - 00:59:59	3
01:00:00 - 01:59:59	5
02:00:00 - 02:59:59	5
03:00:00 - 03:59:59	5
04:00:00 - 04:59:59	3
05:00:00 - 05:59:59	1
06:00:00 - 06:59:59	6
07:00:00 - 07:59:59	5
08:00:00 - 08:59:59	9
09:00:00 - 09:59:59	12
10:00:00 - 10:59:59	13
11:00:00 - 11:59:59	17
12:00:00 - 12:59:59	12
13:00:00 - 13:59:59	13
14:00:00 - 14:59:59	11
15:00:00 - 15:59:59	23
16:00:00 - 16:59:59	20
17:00:00 - 17:59:59	13
18:00:00 - 18:59:59	18
19:00:00 - 19:59:59	14
20:00:00 - 20:59:59	12
21:00:00 - 21:59:59	6
22:00:00 - 22:59:59	7
23:00:00 - 23:59:59	7



Fire Incidents by the Day of the Week

Day of Week	Number of Incidents
01 - Sunday	38
02 - Monday	28
03 - Tuesday	39
04 - Wednesday	32
05 - Thursday	37
06 - Friday	39
07 - Saturday	26

Total 239



Emergency Medical Services



EMS Runs by City

Runs by Municipality 2020

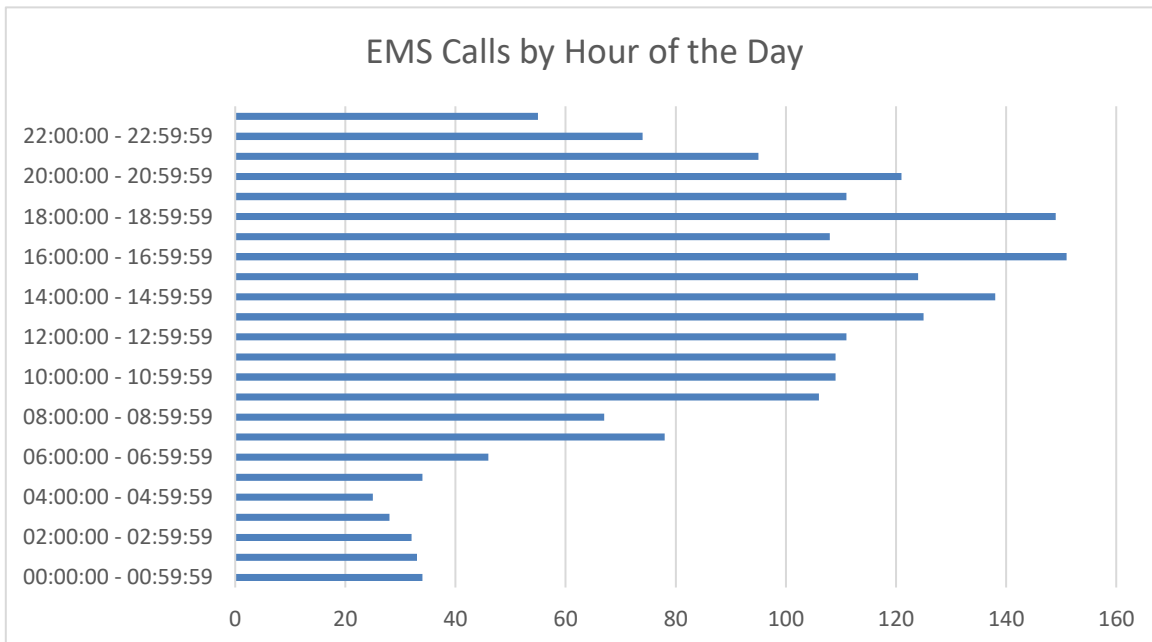
Incident City Name	Number of Runs	Percent of Total Runs
Village of Mukwonago	1,634	79.21%
Town of Mukwonago	221	10.71%
East Troy	83	4.02%
Eagle	58	2.81%
Village of North Prairie	28	1.36%
Big Bend	26	1.26%
Palmyra	5	0.24%
	4	0.19%
Menominee Falls	2	0.10%
North prairie	1	0.05%
Vernon	1	0.05%
Total	2,063	100.00%

Incident Hour Of Day	EMS Runs	Percent
00:00:00 - 00:59:59	34	1.65%
01:00:00 - 01:59:59	33	1.60%

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02:00:00 - 02:59:59	32	1.55%
03:00:00 - 03:59:59	28	1.36%
04:00:00 - 04:59:59	25	1.21%
05:00:00 - 05:59:59	34	1.65%
06:00:00 - 06:59:59	46	2.23%
07:00:00 - 07:59:59	78	3.78%
08:00:00 - 08:59:59	67	3.25%
09:00:00 - 09:59:59	106	5.14%
10:00:00 - 10:59:59	109	5.28%
11:00:00 - 11:59:59	109	5.28%
12:00:00 - 12:59:59	111	5.38%
13:00:00 - 13:59:59	125	6.06%
14:00:00 - 14:59:59	138	6.69%
15:00:00 - 15:59:59	124	6.01%
16:00:00 - 16:59:59	151	7.32%
17:00:00 - 17:59:59	108	5.24%
18:00:00 - 18:59:59	149	7.22%
19:00:00 - 19:59:59	111	5.38%
20:00:00 - 20:59:59	121	5.87%
21:00:00 - 21:59:59	95	4.60%
22:00:00 - 22:59:59	74	3.59%
23:00:00 - 23:59:59	55	2.67%

Total	2063	100.00%
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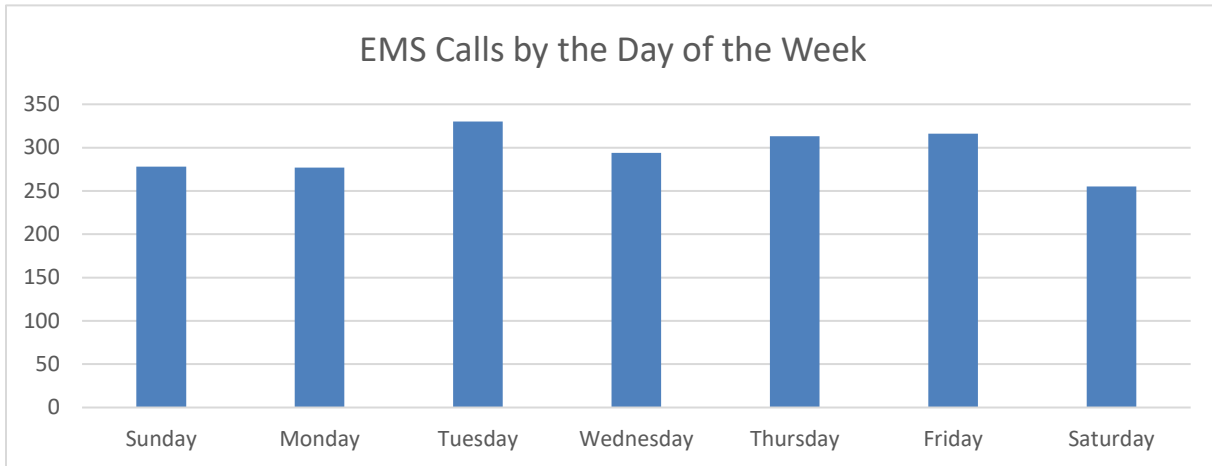


Incident Day	EMS Runs	Percent
Sunday	278	13.48%
Monday	277	13.43%

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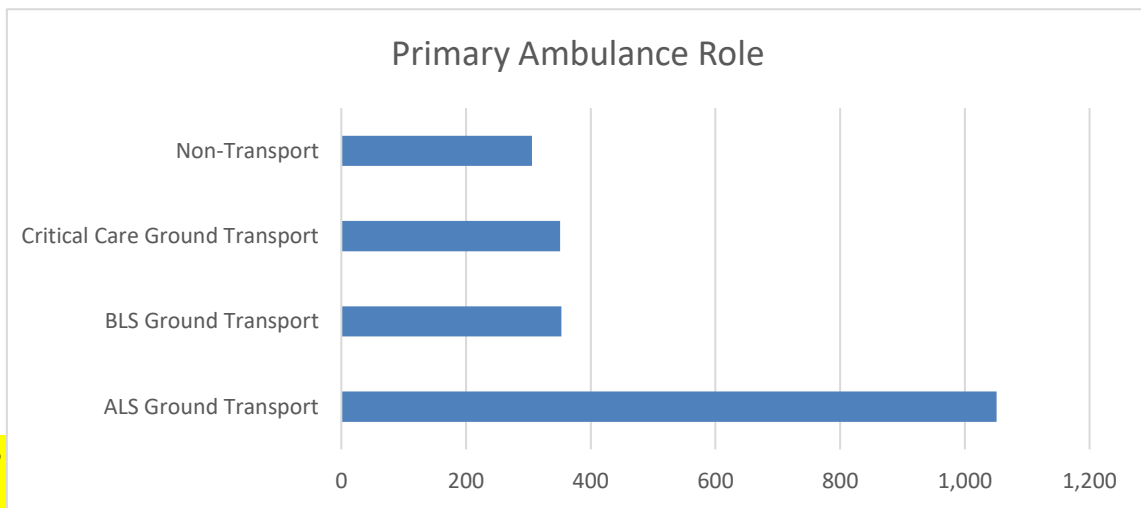
Tuesday	330	16.00%
Wednesday	294	14.25%
Thursday	313	15.17%
Friday	316	15.32%
Saturday	255	12.36%

Total	2063	100.00%
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Response Primary Role of Unit	Number of Runs	Percent of Total Runs
ALS Ground Transport	1,051	50.95%
BLS Ground Transport	353	17.11%
Critical Care Ground Transport	351	17.01%
Non-Transport	306	14.83%
	2	0.10%

Total	2,063	100.00%
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EMS

Destination Name	Disposition Destination Code	Runs	Percent
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		156	7.56%
Aurora Lakeland Medical Center	132	8	0.39%
Aurora Medical Center - Summit	316	57	2.76%
Aurora Medical Center - West Allis	149	1	0.05%
Aurora Mem Hosp of Burlington	14	5	0.24%
Children's Hospital of Wisconsin (CHOW)	135	27	1.31%
Columbia St Mary's - Milwaukee	53	2	0.10%
Elmbrook Memorial Hospital	183	2	0.10%
Froedtert Memorial Lutheran Hospital	232	31	1.50%
Mooreland Reserve Health Center	233	5	0.24%
Not Applicable		1	0.05%
Not Transported	6024	254	12.31%
Oconomowoc Memorial Hospital	113	13	0.63%
St. Lukes Medical Center	160	13	0.63%
VA Milwaukee (Clement J Zablocki Veterans Affairs)	125503	6	0.29%
Waukesha Memorial Hospital	41	1,278	61.95%
Waukesha Memorial Outpatient Center	42	203	9.84%
WHEATON FRANCISCAN HEALTHCARE-ELMBROOK	262	1	0.05%
Total		2063	100.00%

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	2015	2016		2017		2018		2019		2020	
		Admissions	Transfers	Admissions	Transfers	Admissions	Transfers	Admissions	Transfers	Admissions	Transfers
January	None	103	6	113	13	106	10	94	8	100	13
February	None	71	10	80	6	78	8	100	12	112	12
March	None	96	10	82	13	90	9	98	9	97	9
April	None	83	5	106	12	100	14	115	17	88	9
May	None	95	15	84	9	96	8	118	19	92	4
June	None	86	8	70	15	93	5	99	10	114	9
July	95	80	4	90	8	116	12	84	19	121	5
August	121	105	6	93	9	90	10	103	6	111	6
September	100	81	11	89	10	93	8	109	10	126	8
October	90	69	14	90	11	95	9	98	10	119	5
November	93	96	4	87	10	89	10	109	13	115	10
December	92	108	9	111	13	108	15	124	17	105	12
Total	591	1073	102	1095	129	1154	118	1251	150	1300	102
	591		1175		1224		1272		1401		1402
% Increase					4.17		3.92		10.14		0.07
MFD Transports	362		814		871		776		729		781
MFD % Taken	61.25		69.28		71.16		61.01		52.03		55.71

ProHealth Care (PHC) provided the number of admission (PHC to PHC facility) and transfer (PHC to other than PHC facility) requests related to the Mukwonago ER. The total numbers include any inter-facility transport request. This includes other than a ProHealth Care facility. As you can see the percentage transported by Mukwonago FD declined in 2018 and 2019 and this is direct result of freezing a Paid-on Premise (POP) position, meaning it was not opened to be filled due to budgetary restraints. Other causes include available staffing for POP staff were lower due to several staff being hired full time to other fire departments and hiring pool has declined.

EMS calls by Type

Situation Provider Primary Impression	Runs	Percent
History of falling (Z91.81)	173	8.39%
	121	5.87%
Acute pain, not elsewhere classified (G89.1)	114	5.53%
Weakness (R53.1)	98	4.75%
Infection (Unknown Source) (A31)	97	4.70%
Acute abdomen (R10.0)	87	4.22%
Chest pain, unspecified (R07.9)	85	4.12%
Pneumonia, unspecified (J18.9)	68	3.30%
Altered mental status (R41.82)	64	3.10%
Generalized abdominal pain (R10.84)	64	3.10%
Cardiac arrhythmia/dysrhythmia (I49.9)	55	2.67%
Respiratory distress, acute (J80)	52	2.52%
Syncope and collapse (R55)	52	2.52%
CHF (I50.9)	42	2.04%
GI Bleed (K29.71)	40	1.94%
Stroke (I63.9)	35	1.70%
Repeated falls (R29.6)	33	1.60%
Cardiac Arrest (I46.9)	31	1.50%
Urinary Tract Infection (UTI) (N39.0)	30	1.45%
Overdose/Drug Ingestion (itICD.047)	29	1.41%
Septicemia (1); or Sepsis (2) (A41.9)	28	1.36%
Back Pain (M54.9)	26	1.26%
Dizziness and giddiness (R42)	26	1.26%
Injury of hip (S79.91)	24	1.16%
Not Applicable	24	1.16%
COPD with exacerbation (J44.1)	23	1.11%
Alcohol use, unspecified with intoxication (F10.92)	22	1.07%
Appendicitis, acute (K35.80)	21	1.02%
Seizures without status epilepticus (G40.909)	21	1.02%
Respiratory disorder, unspecified (J98.9)	17	0.82%
TIA (G45.9)	17	0.82%
Unspecified infectious disease (B99.9)	17	0.82%
Fever (R50.9)	16	0.78%
Behavioral / psychiatric disorder (F99)	15	0.73%
Hypoglycemia, unspecified (E16.2)	15	0.73%
Angina (1); or Ischemic chest pain (2) (I20.9)	13	0.63%
Injury of head (S09.90)	13	0.63%
Nausea with vomiting, unspecified (R11.2)	13	0.63%
Influenza, unspecified (Flu) (J11)	12	0.58%
Injury of lower leg (S89.9)	12	0.58%

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Injury of wrist, hand, or fingers (S69.9)	12	0.58%
Hypertension (I10)	11	0.53%
Alcohol dependence with withdrawal, unspecified (F10.239)	10	0.48%
Dehydration (E86.0)	10	0.48%
Seizures with status epilepticus (G40.901)	10	0.48%
Alcohol use, unspecified (F10.9)	9	0.44%
Diarrhea (K59.1)	9	0.44%
Epistaxis (Nose Bleed) (R04.0)	9	0.44%
Pulmonary embolism (I26)	9	0.44%
Diabetes with hyperglycemia (1); or Hyperglycemia-Diabetes (2) (E13.65)	8	0.39%
Cardiac Chest Pain (STEMI) Inferior wall (I21.1)	7	0.34%
Headache (R51)	7	0.34%
Injury of lower back (S39.92)	7	0.34%
Injury, unspecified (T14.90)	7	0.34%
Nausea and vomiting (R11)	7	0.34%
Anemia, unspecified (D64.9)	6	0.29%
Chest Pain, Other [non-cardiac] (R07.89)	6	0.29%
Hypotension (I95.9)	6	0.29%
Injury of elbow (S59.90)	6	0.29%
Injury of shoulder or upper arm (S49.9)	6	0.29%
Malaise (R53.81)	6	0.29%
Acute bronchitis, unspecified (J20.9)	5	0.24%
Allergic Reaction (T78.40)	5	0.24%
Asthma with exacerbation (J45.901)	5	0.24%
Cancer, unspecified (D49)	5	0.24%
Choking (itICD.046)	5	0.24%
Injury of ankle (S99.91)	5	0.24%
Injury of face (S09.93)	5	0.24%
Injury of foot (S99.92)	5	0.24%
Injury of neck (S19.9)	5	0.24%
Injury of thorax (upper chest) (S29.9)	5	0.24%
Cardiac Chest Pain (STEMI) Anterior wall (I21.0)	4	0.19%
Diabetes with hypoglycemia (1); or Hypoglycemia-Diabetes (2) (E13.64)	4	0.19%
Head bleed (I62.9)	4	0.19%
Respiratory failure, unspecified (J96.9)	4	0.19%
Injury of abdomen (S39.91)	3	0.15%
Injury of thigh (upper leg) (S79.92)	3	0.15%
Non-specified Sedative, hypnotic or anxiolytic related disorders (F13)	3	0.15%
Non-ST elevation (NSTEMI) myocardial infarction (I21.4)	3	0.15%
Pelvic and perineal pain (R10.2)	3	0.15%

2020 Annual Report Mukwonago Fire Department

Pneumothorax, traumatic (S27.0)	3	0.15%
Pulmonary mycobacterial infection (A31.0)	3	0.15%
Uterine or vaginal bleeding, abnormal (N93.9)	3	0.15%
Abdominal aortic aneurysm, without rupture (I71.4)	2	0.10%
Cardiac Chest Pain (STEMI) Septal Wall (itICD.077)	2	0.10%
Chronic pain, not elsewhere classified (G89.2)	2	0.10%
Constipation (K59.00)	2	0.10%
Esophageal obstruction (K22.2)	2	0.10%
Foreign body in respiratory tract, part unspecified (T17.9)	2	0.10%
Hematemesis (K92.0)	2	0.10%
Injury of external genitals (S39.94)	2	0.10%
Injury of forearm (S59.91)	2	0.10%
Intracranial injury, unspecified (S06.9)	2	0.10%
Labor (itICD.049)	2	0.10%
Migraine (G43.9)	2	0.10%
Other reduced mobility (Z74.09)	2	0.10%
Suicide attempt (T14.91)	2	0.10%
Unspecified visual disturbance (H53.9)	2	0.10%
Acute bronchospasm (J98.01)	1	0.05%
Anaphylactic shock (T78.2)	1	0.05%
Angina, unstable (I20.0)	1	0.05%
Burn, unspecified location and degree (T30.0)	1	0.05%
Cardiac Chest Pain (STEMI) Lateral Wall (itICD.078)	1	0.05%
Cardiac Chest Pain (STEMI) other sites (I21.2)	1	0.05%
Common cold (J00)	1	0.05%
Croup (J05.0)	1	0.05%
Foreign body in digestive system, part unspecified (T18.9)	1	0.05%
Foreign body in genitourinary tract, part unspecified (T19.9)	1	0.05%
Frostbite, with tissue necrosis of unspecified location (T34.90)	1	0.05%
GERD (K21)	1	0.05%
Heatstroke and sunstroke (T67.0)	1	0.05%
Hyperkalemia (E87.5)	1	0.05%
Hypothermia (T68)	1	0.05%
Hypovolemia (E86.1)	1	0.05%
Injury of pelvis (S39.93)	1	0.05%
Meningitis (G03.9)	1	0.05%
Metabolic disorder, unspecified (E88.9)	1	0.05%
Nonspecific Inhalant disorders (F15)	1	0.05%
Not Recorded	1	0.05%
Pneumothorax (J93.9)	1	0.05%
Pregnancy with contractions (O62.0)	1	0.05%
Psychoactive substance related disorders, other (F19)	1	0.05%
Pulmonary edema, acute (J81.0)	1	0.05%

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Respiratory condition due to chemicals, gases, fumes, and vapors (J68.9)	1	0.05%
RSV (B97.4)	1	0.05%
Subdural hemorrhage, traumatic (S06.5)	1	0.05%
Tooth pain (K08.8)	1	0.05%
Unspecified chronic gastritis with bleeding (K29.51)	1	0.05%
Total	2063	100.00%

2020 CPR Report

The CPR program at the Mukwonago Fire Department has continued to educate the public and offer our citizens the opportunity to become CPR certified. Starting in 2020 we have now started to offer online certification and check offs to our students, to provide more options. We anticipated that this would make the program easier for both MFD staff as well as for the participants of the class. Unfortunately, due to COVID-19 MFD was unable to allow visitors into the station. At this time, we are only offering online checkoff for Heartsaver certifications and potentially in the future we may consider adding other courses. The CPR program also continues to certify all new employees upon hire and certifies all MFD every other year.

For the 2020 year we taught 11 CPR classes, with a total number of 37 students. Our instructors get paid on an hourly basis and we paid out to our instructors a total amount of \$1,620.00 for their services and time. Overall, we had a financial difference of negative \$1,235, for the year 2020. The financial deficit is accredited to the fact that we recertified the entire fire department, including new hires, at no cost to department members. The other factor to consider in the budget deficit is that we were unable to have the public in the fire station due to COVID for most of the year.

The Mukwonago Fire Department

CPR Program

1111 Fox Street

Mukwonago, WI 53149

Phone: (262) 363-6426

Email: learncpr@mukwonagofire.org

MUKWONAGO FIRE DEPARTMENT CPR PROGRAM

Healthcare Provider : 6 hours	Instructors: \$30/hour
Heartsaver CPR/AED: 5 hours	
Heartsaver CPR/AED/First Aid: 9 hours	

AHA BLS

Date	Students	Instructor	Deposits	Withdrawals
3-Jan	1	1	\$0.00	\$0.00
7-Mar	2	1	\$0.00	\$0.00
20-Apr	6	2	\$0.00	\$360.00
18-May	7	2	\$0.00	\$0.00
5-18 AM	4	1	\$0.00	\$180.00
19-May	5	2	\$0.00	\$360.00
22-Jun	1	1	\$0.00	\$180.00
21-Jul	4	1	\$0.00	\$180.00
16-Dec	1	1	\$25.00	\$180.00

Heartsaver CPR/AED

Date	Students	Instructor	Deposits	Withdrawals
8-Mar	5	3	\$300.00	\$150.00
15-Jul	1	1	\$60.00	\$30.00

Heartsaver CPR/AED/First Aid

Date	Students	Instructor	Deposits	Withdrawals
			\$0.00	\$0.00

Bloodborne Pathogens

Date	Students	Instructor	Deposits	Withdrawals
			\$0.00	\$0.00

Total	\$385.00	-\$1,620.00
Difference	-\$1,235.00	

Purchased Supplies 2020

	\$0.00
	\$0.00
Total	\$0.00

Payments	\$385.00
Costs	\$1,620.00
Supplies	\$0.00
	-\$1,235.00

2020 Annual Report Mukwonago Fire Department

Listed below are public education and prevention activities attended by Mukwonago Fire Department. Categories are listed, number of classes reflect occurrences, and attendees indicate MFD staff in attendance for that event. There were 40 events, 114 total MFD participants totaling 209 hours for those related events. This does not include any fire or EMS related trainings, meetings, or administration. This is about 50% as seen in 2019 directly related to the COVID Health Emergency.

Public Education and Prevention Activities 2020

Category	Classes	Pct of Classes	Attendees	Pct of Attendees	Hours	Pct of Hours
EM21 Public CPR	1	2.50%	2	1.75%	6.50	3.11%
ES Event Standby	7	17.50%	18	15.79%	44.75	21.41%
PD Parade Detail	18	45.00%	57	50.00%	35.50	16.99%
SEF Special Event-Fire	5	12.50%	15	13.16%	27.75	13.28%
STDBY Standby	1	2.50%	6	5.26%	81.50	39.00%
TOUR In and out of station tours	8	20.00%	16	14.04%	13.00	6.22%
Totals	40		114		209.00	

All Trainings 2020

Mukwonago Fire Department

Training Analysis by Category

Class Date Between {01/01/2020} And {12/31/2020}

Category	Classes	Pct of Classes	Attendees	Pct of Attendees	Hours	Pct of Hours
ACLS ACLS Recertification	2	0.65%	13	0.94%	59.75	1.52%
AD01 Administrative Procedures	53	17.15%	65	4.69%	118.00	3.00%
AEMTREF AEMT Refresher	2	0.65%	4	0.29%	24.00	0.61%
AL Aerial Ladders	4	1.29%	30	2.17%	367.50	9.35%
AO Ambulance Orientation	4	1.29%	16	1.16%	41.50	1.06%
AP10 Apparatus Check Procedures	1	0.32%	6	0.43%	9.00	0.23%
ASH Active Shooter and Harassment	4	1.29%	32	2.31%	64.00	1.63%
BA01 SCBA Inspection, Care, and Cleaning	7	2.27%	44	3.18%	59.00	1.50%
CADETTR Cadet Training	2	0.65%	6	0.43%	12.25	0.31%
CCR Critical Care Refresher	1	0.32%	11	0.79%	264.00	6.71%
CHOFF Chief officer Meeting	2	0.65%	7	0.51%	11.25	0.29%
CM Commission Meeting	4	1.29%	4	0.29%	3.00	0.08%
COM Communications and Radios	4	1.29%	7	0.51%	31.00	0.79%
DM Department Meeting	6	1.94%	114	8.23%	117.25	2.98%
DT01 General Driver Training	11	3.56%	25	1.81%	37.00	0.94%
EM12 ALS Training	12	3.88%	96	6.93%	253.25	6.44%
EM13 BLS Training	24	7.77%	145	10.47%	236.75	6.02%
EM20 CPR Recertification	8	2.59%	46	3.32%	118.50	3.01%
EM21 Public CPR	1	0.32%	2	0.14%	6.50	0.17%
EMTREF EMT Refresher	3	0.97%	13	0.94%	330.00	8.39%
EP Emergency Preparedness	1	0.32%	1	0.07%	1.00	0.03%
ES Event Standby	7	2.27%	18	1.30%	44.75	1.14%
EVALUATIONS Evaluations	3	0.97%	6	0.43%	6.00	0.15%
FDS Fire Department Study	2	0.65%	7	0.51%	10.50	0.27%
GL Ground Ladders	3	0.97%	21	1.52%	50.00	1.27%
HOSE Hose Advancement	7	2.27%	46	3.32%	89.75	2.28%
MABAS MABAS Meeting	3	0.97%	3	0.22%	4.50	0.11%
MED Medication Review	2	0.65%	9	0.65%	11.50	0.29%
OD Officer Development	2	0.65%	10	0.72%	62.50	1.59%
OFFICER MTG Officer Meeting	8	2.59%	50	3.61%	110.00	2.80%
PARA OR Paramedic Orientation	4	1.29%	10	0.72%	28.50	0.72%
PARA RE Paramedic Refresher	2	0.65%	16	1.16%	104.00	2.65%
PD Parade Detail	18	5.83%	57	4.12%	35.50	0.90%
PEDS Pediatrics	1	0.32%	4	0.29%	4.00	0.10%
PO Pump Operations	2	0.65%	9	0.65%	17.75	0.45%
POP ORIENT POP Orientation	2	0.65%	5	0.36%	16.00	0.41%
PPE Personal Protective Equipment	3	0.97%	18	1.30%	10.50	0.27%
PSOG Policy-SOG	1	0.32%	4	0.29%	6.00	0.15%
RETR Recruit Training	18	5.83%	87	6.28%	380.00	9.66%

2020 Annual Report Mukwonago Fire Department

RTF Rescue Task Force	3	0.97%	35	2.53%	61.50	1.56%
S & R Search and Rescue	2	0.65%	18	1.30%	45.00	1.14%
SEF Special Event-Fire	5	1.62%	15	1.08%	27.75	0.71%
SEOPS Small Equipment Operations	1	0.32%	3	0.22%	6.00	0.15%
STDBY Standby	1	0.32%	6	0.43%	81.50	2.07%
TC Training Committee	2	0.65%	2	0.14%	2.00	0.05%
TOUR In and out of station tours	8	2.59%	16	1.16%	13.00	0.33%
ULTRASOUND Ultra Sound	1	0.32%	8	0.58%	12.00	0.31%
VE Vehicle Extrication	6	1.94%	47	3.39%	106.75	2.72%
VENT Ventilation	1	0.32%	3	0.22%	3.00	0.08%
WATER Water Rescue	4	1.29%	38	2.74%	98.75	2.51%
WATSUPP Water Supply	5	1.62%	42	3.03%	95.00	2.42%
WCFCA Waukesha Fire Chief's Association	4	1.29%	5	0.36%	4.75	0.12%
WD01 Work Detail	4	1.29%	6	0.43%	38.50	0.98%
WILD Wildland Firefighting	3	0.97%	47	3.39%	122.25	3.11%
Totals	309		1385		3,931.75	

The above chart indicates all the hours of trainings, meetings, and personal development MFD members attend throughout the last year. Emergency services are very demanding and continuous training is required to keep up with ever changing challenges members will encounter. A total of 3,931.75 hours of training completed for 2020. Even with the challenges of COVID we were able to increase training by 700 hours more than 2019 due to EMS recertification and staff attending fire classes.

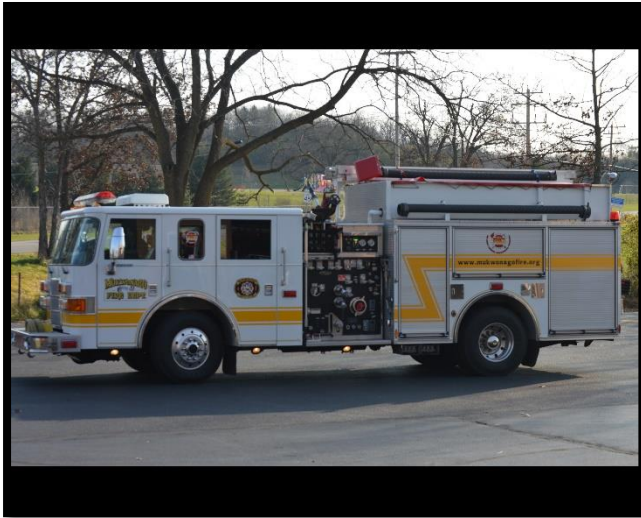
Engines



Vehicle: 3461 – Spartan Darley- **Sold 08-2020**
Year Purchased: 1990
Approximate Cost: \$ 190,000
Replacement Year: Retire-Discontinue 2021
Replacement Cost: **\$740,000 (Pumper-Tender)-**
Expected delivery 04-2021

Vehicle: 3462 – 2002 Pierce Enforcer
Year Purchased: 2002
Approximate Cost: \$ 285,000
Replacement Year: 2026
Replacement Cost: **\$ 850,000 (Pumper-Tender)**





Vehicle: 3463 – 2001 Pierce Enforcer Rescue Style Pumper
Year Purchased: 2008
Approximate Cost: \$ 198,000
Replacement Year: 2026
Replacement Cost: \$ **Sell unit to downsize fleet**

Aerial Apparatus



Vehicle: 3471 – Rosenbauer Cobra 101'
Year Purchased: 2013
Approximate Cost: \$ 775,000
Replacement Year: 2038
Replacement Cost: \$ 1,000,000

Water Movement Apparatus



Vehicle: 3492 – GMC/Monroe Tender
Year Purchased: 1986
Approximate Cost: Unknown
Replacement Year: 2021
Replacement Cost: **Pumper-Tender delivery 04-2021, Unit to be sold to downsize fleet**

Specialty Apparatus



Vehicle: 3482 – Ford F350
Year Purchased: 2016
Approximate Cost: \$ 37,819
Replacement Year: 2035
Replacement Cost: \$ 66,000

Vehicle: 3484 –2008 6x6 and Trailer
Year Purchased: 2014
Approximate Cost: \$ 6,695
Replacement Year: 2028
Replacement Cost: \$ 50,000



Water Operations (Ice and open water)



Vehicle: 3496 – 1998 Rescue One
Year Purchased: 1997
Approximate Cost: \$ 13,000
Replacement Year: 2024
Replacement Cost: \$50,000

Vehicle: 3487 – 2000 Freightliner Med Tec
Year Purchased: 2000
Approximate Cost: \$ 130,000
Replacement Year: TBD
Replacement Cost: **Sell unit 04-2021 downsize fleet**



Personnel Vehicles



Vehicle: 3481 – Chevrolet Silverado 3500
Year Purchased: 2020
Approximate Cost: \$ 50,000
Replacement Year: 2032

Replacement Cost: \$65,000

Vehicle: 3488 – Chevrolet Tahoe
Year Purchased: 2015
Approximate Cost: \$45,000
Replacement Year: 2023
Replacement Cost: \$55,000





Vehicle: Car 1- 2015 Ford Interceptor
Year Purchased: 2014
Approximate Cost: \$30,000
Replacement Year: 2022
Replacement Cost: \$40,000

Ambulances

Vehicle: 3451 – 2016 Med Tec Ford E-450 Remount
Year Purchased: 2016
Approximate Cost: \$ 142,000
Replacement Year: 2022
Replacement Cost: \$ 240,000 new and cot



Vehicle: 3452 – 2017 Horton E-450
Year Purchased: 2017
Approximate Cost: \$ 196,000
Replacement Year: 2023
Replacement Cost: \$ 140,000 remount

Vehicle: 3453 – 2019 Med Tec Ford E-450 Remount
Year Purchased: 2019
Approximate Cost: \$ 116,691
Replacement Year: 2025
Replacement Cost: \$ 240,000 new

