



Mukwonago Fire Department Annual Report 2019

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Table of Contents

Mission/ Vision Statement.....3
Core Values.....4
Chief’s Report.....5
Role of Mukwonago Fire Department Personnel.....6
Executive Summary.....9

Fire

Total Number of Incidents/Ave. Number of Responders.....10
Fire Incidents by District.....11
Mutual Aid Received/Given.....11
Fire Loss and Saved.....12
Fire Incident Type.....12
Fire Incident Alarm Time Analysis.....14
Fire Incident by Day of the Week/Shift.....15

Emergency Medical Services

EMS Runs by City.....16
Times of EMS calls by Day of the Week.....17
Ambulance Primary Role of Unit.....18
Transport Hospital.....19
Inter-facility Transfer Information.....20
Provider Primary Impression.....21
CPR Report.....24

Training

Public Education and Prevention Programs/Training Analysis.....26

Apparatus

Engines.....29
Aerial/ Water Movement/Specialty Apparatus.....30
Water Operations.....31
Personnel Vehicles.....32
Ambulances.....33



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 2019, MFD total call volume reached 2234 calls. MFD responded to 24 less EMS calls but 16 additional Fire requests. MFD continued providing inter-facility transports when available. Daytime staffing was two full time, two POP and the Duty Officer for daytime coverage during the week and one additional POP position on the weekends. In 2019 91.85% of the available POP shifts were filled. **814 hours were not filled, equating to 68- 12 hour shifts, 19% 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. We have seen an increasing trend of staff coming from outside the village and town of Mukwonago. POC membership is declining nationally and MFD is not immune to this trend. We have seen a cultural change towards POP staff during the daytime hours seven days a week. The struggle is that area departments are competing for the same pool of POP 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 hiring fulltime staff. Several of our POC/POP staff have been hired fulltime. In 2019 MFD hired 10 POC/POP staff and lost 17 POC/POP due to fulltime positions, work changes, participation issues and life challenges. Overall since 2012 to 2019 MFD has hired 123 individuals and lost 123 individuals resulting in a **zero increase** in staffing since 2011.

This was the driving force of requesting of a Mukwonago Fire Department Study examining administration, staffing, operations, future growth and needs. RW Management was hired to take on this task. Results will be presented in March or April of 2020. The Town and Village boards along with the Fire Chief, will set forth a plan to address any recommendations. As stated above staffing and budget are the major concerns moving into the future. 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 in order 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.

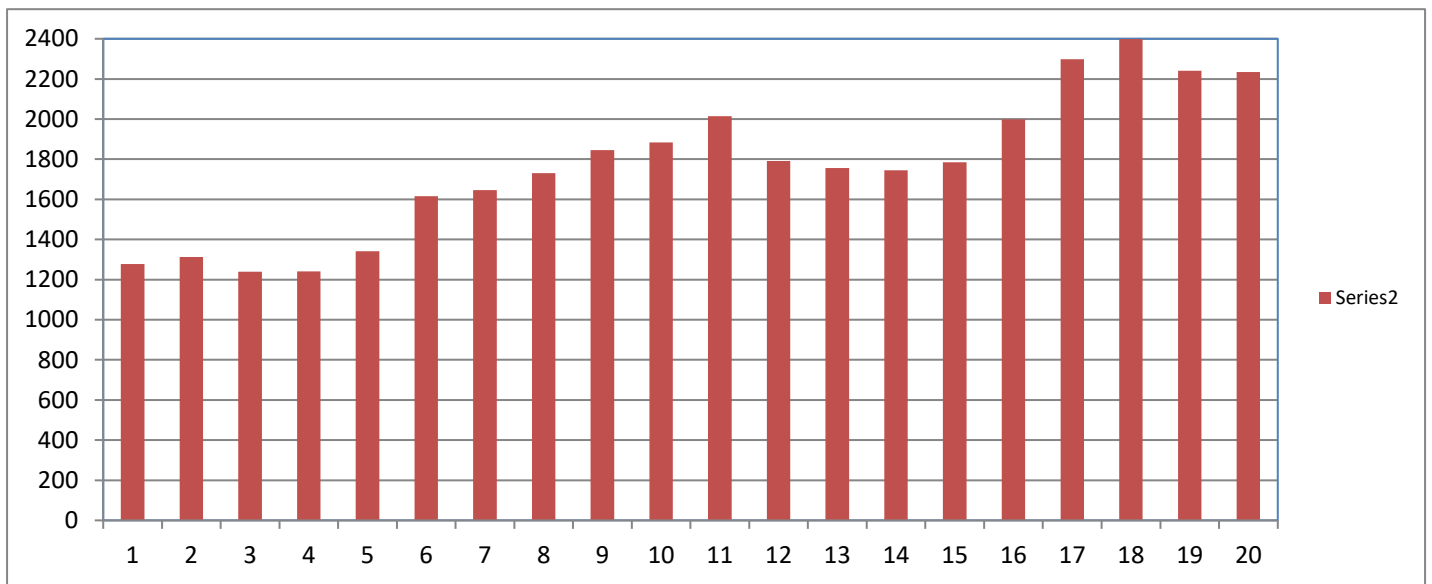
- Provide medical assistance and administer medical procedures to stabilize a patient's condition and prepare them for transport to medical care facilities.
- Safely perform rescue operations for the victim and rescue personnel.

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

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

% Inc. 74.94





Total Number of Fire Incidents 264

Agency Name	Total Number of Incidents	Total Number of Responders	Average
Mukwonago Fire Department	264	1,160	4.39

Fire Incidents by District

East Troy	3
Other	5
Tess Corners	1
Vernon	6
Wales-Genesee	1
Waterford	2
Western Lakes	2
Zone 1 Town NW	22
Zone 2 Town NE	11
Zone 3 Town SW	34
Zone 4 Village	177
Total	264

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	
111 - Building fire	1	251 - Excessive heat, scorch burns with no ignition	1
611 - Dispatched and cancelled en route	1	311 - Medical assist, assist EMS crew	7
111 - Building fire	1	322 - Motor vehicle accident with injuries	8
111 - Building fire	1	324 - Motor vehicle accident with no injuries.	3
611 - Dispatched and cancelled en route	1	351 - Extrication of victim(s) from building/structure	1
111 - Building fire	1	362 - Ice rescue	1
611 - Dispatched and cancelled en route	1	411 - Gasoline or other flammable liquid spill	1
100 - Fire, other	1	412 - Gas leak (natural gas or LPG)	1
113 - Cooking fire, contained to container	1	445 - Arcing, shorted electrical equipment	1
651 - Smoke scare, odor of smoke	1	651 - Smoke scare, odor of smoke	1
611 - Dispatched and cancelled en route	2		
111 - Building fire	1	Total	25
111 - Building fire	1		
Total	14		

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	Loss Percent
100 - Fire, other	1	0.38%				
111 - Building fire	7	2.65%				
113 - Cooking fire, confined to container	2	0.76%				
118 - Trash or rubbish fire, contained	2	0.76%				
131 - Passenger vehicle fire	1	0.38%	35,000.00	5,000.00	40,000.00	80.40%
132 - Road freight or transport vehicle fire	2	0.76%	5,000.00	250.00	5,250.00	10.55%
138 - Off-road vehicle or heavy equipment fire	1	0.38%	2,500.00		2,500.00	5.03%
142 - Brush or brush-and-grass mixture fire	2	0.76%				
143 - Grass fire	1	0.38%				
151 - Outside rubbish, trash or waste fire	1	0.38%				
251 - Excessive heat, scorch burns with no ignition	3	1.14%				
311 - Medical assist, assist EMS crew	9	3.41%				
322 - Motor vehicle accident with injuries	42	15.91%				
324 - Motor vehicle accident with no injuries.	29	10.98%				
341 - Search for person on land	1	0.38%				
351 - Extrication of victim(s) from building/structure	1	0.38%				
353 - Removal of victim(s) from stalled elevator	1	0.38%				
360 - Water & ice-related rescue, other	1	0.38%				
362 - Ice rescue	1	0.38%				
411 - Gasoline or other flammable liquid spill	2	0.76%				
412 - Gas leak (natural gas or LPG)	7	2.65%				
413 - Oil or other combustible liquid spill	2	0.76%				
424 - Carbon monoxide incident	4	1.52%				
441 - Heat from short circuit (wiring), defective/worn	4	1.52%				
442 - Overheated motor	1	0.38%				
443 - Breakdown of light ballast	2	0.76%				
444 - Power line down	6	2.27%				
445 - Arcing, shorted electrical equipment	6	2.27%				
500 - Service call, other	2	0.76%				
511 - Lock-out	1	0.38%				
520 - Water problem, other	1	0.38%				
522 - Water or steam leak	3	1.14%				
531 - Smoke or odor removal	5	1.89%		2,000.00	2,000.00	4.02%
542 - Animal rescue	1	0.38%				
551 - Assist police or other governmental agency	4	1.52%				
553 - Public service	1	0.38%				

2019 Annual Report Mukwonago Fire Department

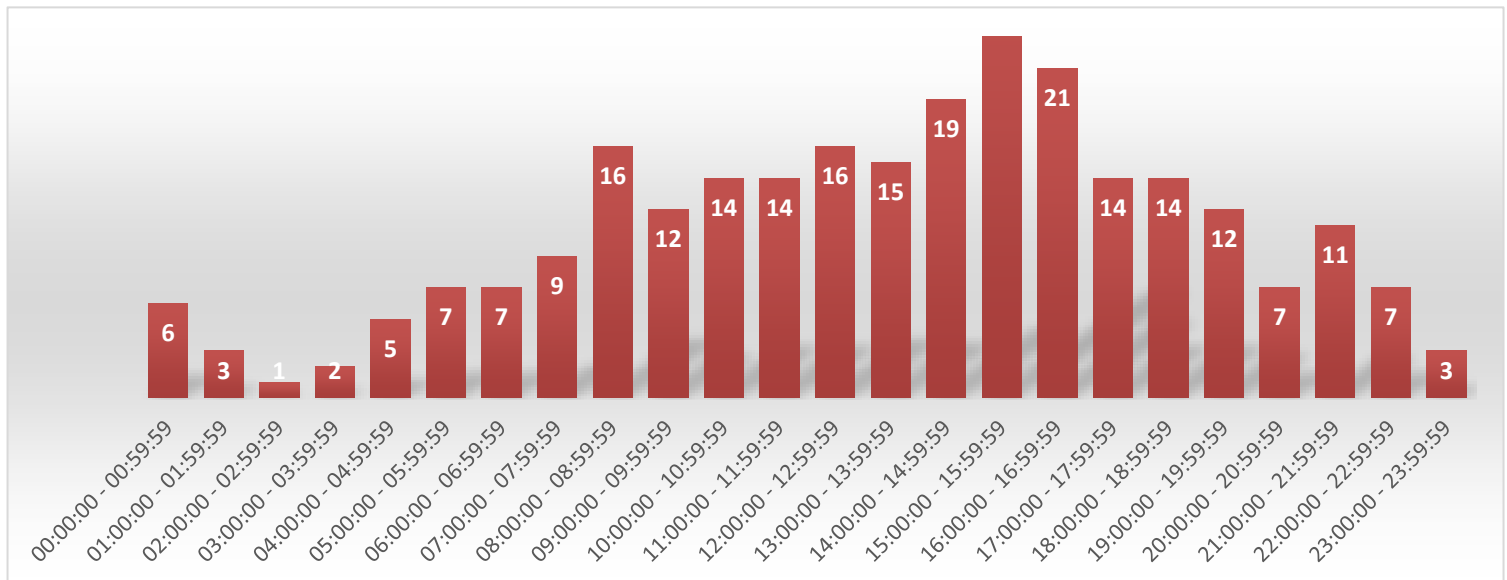
561 - Unauthorized burning	1	0.38%
571 - Cover assignment, standby, moveup	2	0.76%
600 - Good intent call, other	3	1.14%
611 - Dispatched and cancelled en route	24	9.09%
651 - Smoke scare, odor of smoke	3	1.14%
652 - Steam, vapor, fog or dust thought to be smoke	1	0.38%
653 - Smoke from barbecue, tar kettle	1	0.38%
671 - HazMat release investigation w/no HazMat	1	0.38%
700 - False alarm or false call, other	2	0.76%
733 - Smoke detector activation due to malfunction	4	1.52%
735 - Alarm system sounded due to malfunction	14	5.30%
736 - CO detector activation due to malfunction	17	6.44%
741 - Sprinkler activation, no fire - unintentional	1	0.38%
743 - Smoke detector activation, no fire - unintentional	7	2.65%
744 - Detector activation, no fire - unintentional	2	0.76%
745 - Alarm system activation, no fire - unintentional	18	6.82%
746 - Carbon monoxide detector activation, no CO	1	0.38%
814 - Lightning strike (no fire)	2	0.76%

	264	42,500.00	7,250.00	49,750.00	100%
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Fire Incidents Alarm Time Analysis

Hour of Day	Number of Incidents
00:00:00 - 00:59:59	6
01:00:00 - 01:59:59	3
02:00:00 - 02:59:59	1
03:00:00 - 03:59:59	2
04:00:00 - 04:59:59	5
05:00:00 - 05:59:59	7
06:00:00 - 06:59:59	7
07:00:00 - 07:59:59	9
08:00:00 - 08:59:59	16
09:00:00 - 09:59:59	12
10:00:00 - 10:59:59	14
11:00:00 - 11:59:59	14
12:00:00 - 12:59:59	16
13:00:00 - 13:59:59	15
14:00:00 - 14:59:59	19
15:00:00 - 15:59:59	29
16:00:00 - 16:59:59	21
17:00:00 - 17:59:59	14
18:00:00 - 18:59:59	14
19:00:00 - 19:59:59	12
20:00:00 - 20:59:59	7
21:00:00 - 21:59:59	11
22:00:00 - 22:59:59	7
23:00:00 - 23:59:59	3

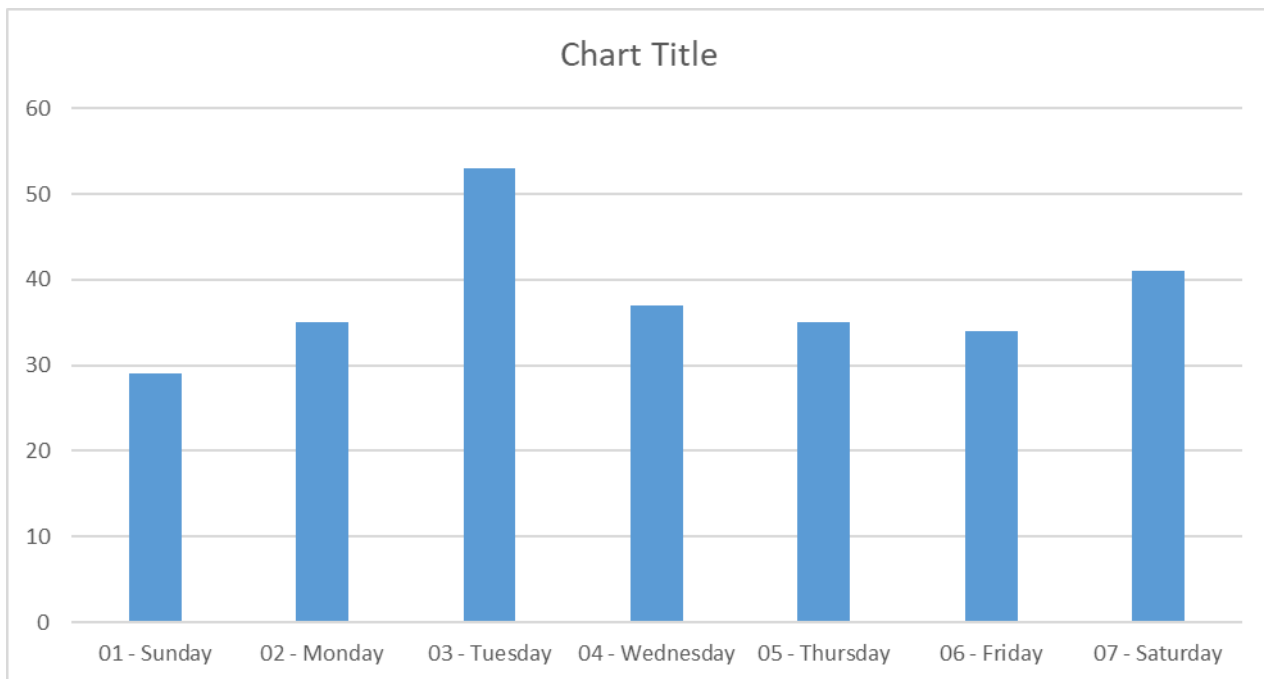
NFIRS Calls by Time of Day



Fire Incidents by the Day of the Week

Day of Week	Number of Incidents
01 - Sunday	29
02 - Monday	35
03 - Tuesday	53
04 - Wednesday	37
05 - Thursday	35
06 - Friday	34
07 - Saturday	41

Total	264
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Emergency Medical Services



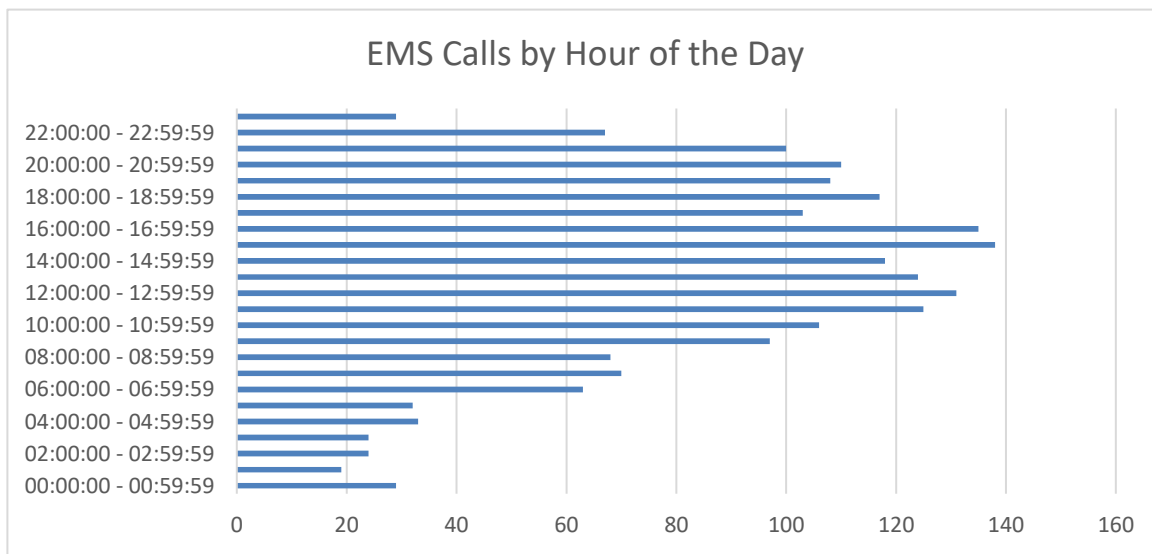
EMS Runs by City

Runs by Municipality 2019

Incident City Name	Number of Runs	Percent of Total Runs
Village of Mukwonago	1,593	80.86%
Town of Mukwonago	170	8.63%
East Troy	115	5.84%
Eagle	47	2.39%
Village of North Prairie	18	0.91%
Big Bend	13	0.66%
Palmyra	5	0.25%
Vernon	3	0.15%
Waterford	3	0.15%
Other	2	0.10%
Town of Waukesha	1	0.05%
Total	1,970	100.00%

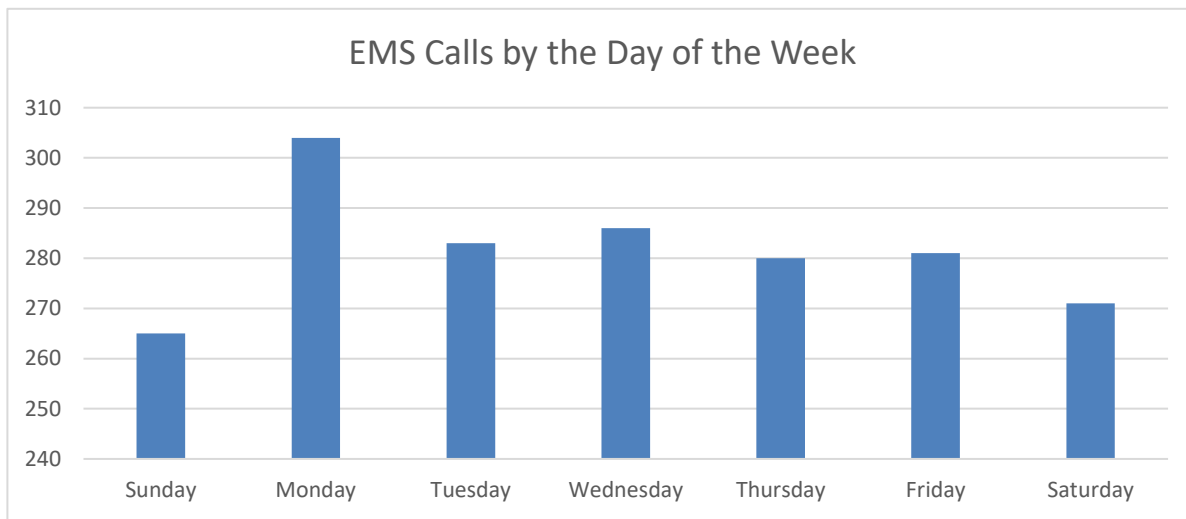
2019 Annual Report Mukwonago Fire Department

Incident Hour Of Day	EMS Runs	Percent
00:00:00 - 00:59:59	29	1.47%
01:00:00 - 01:59:59	19	0.96%
02:00:00 - 02:59:59	24	1.22%
03:00:00 - 03:59:59	24	1.22%
04:00:00 - 04:59:59	33	1.68%
05:00:00 - 05:59:59	32	1.62%
06:00:00 - 06:59:59	63	3.20%
07:00:00 - 07:59:59	70	3.55%
08:00:00 - 08:59:59	68	3.45%
09:00:00 - 09:59:59	97	4.92%
10:00:00 - 10:59:59	106	5.38%
11:00:00 - 11:59:59	125	6.35%
12:00:00 - 12:59:59	131	6.65%
13:00:00 - 13:59:59	124	6.29%
14:00:00 - 14:59:59	118	5.99%
15:00:00 - 15:59:59	138	7.01%
16:00:00 - 16:59:59	135	6.85%
17:00:00 - 17:59:59	103	5.23%
18:00:00 - 18:59:59	117	5.94%
19:00:00 - 19:59:59	108	5.48%
20:00:00 - 20:59:59	110	5.58%
21:00:00 - 21:59:59	100	5.08%
22:00:00 - 22:59:59	67	3.40%
23:00:00 - 23:59:59	29	1.47%
Total	1970	100.00%



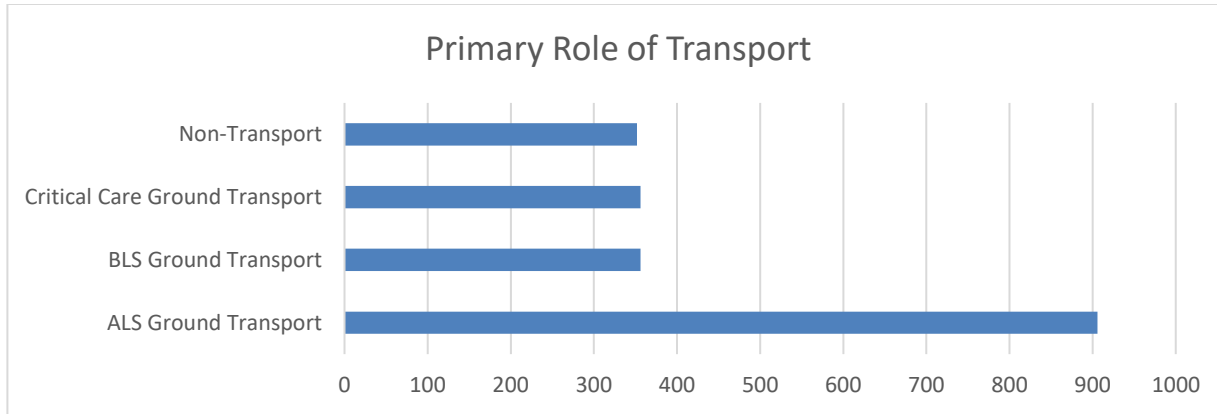
2019 Annual Report Mukwonago Fire Department

Incident Day	EMS Runs	Percent
Sunday	265	13.45%
Monday	304	15.43%
Tuesday	283	14.37%
Wednesday	286	14.52%
Thursday	280	14.21%
Friday	281	14.26%
Saturday	271	13.76%
Total	1970	100.00%



Primary Role Of Unit	EMS Runs	Percent
ALS Ground Transport	906	45.99%
BLS Ground Transport	356	18.07%
Critical Care Ground Transport	356	18.07%
Non-Transport	352	17.87%
Total	1970	100.00%

2019 Annual Report Mukwonago Fire Department



Destination Name	Hospital Code	EMS Runs	Percent
		243	12.34%
Aurora Lakeland Medical Center	132	11	0.56%
Aurora Medical Center - Summit	316	17	0.86%
Aurora Medical Center - Summit	53066	21	1.07%
Aurora Medical Center - West Allis	149	3	0.15%
Aurora Mem Hosp of Burlington	14	11	0.56%
Children's Hospital of Wisconsin (CHOW)	135	22	1.12%
Clement J Zablocki VA Medical Center	53295	3	0.15%
Elmbrook Memorial Hospital	183	1	0.05%
Fort Memorial Hospital	133	2	0.10%
Froedtert Memorial Lutheran Hospital	232	28	1.42%
Mooreland Reserve Health Center	233	3	0.15%
Not Transported	6024	247	12.54%
Oconomowoc Memorial Hospital	113	5	0.25%
St. Lukes Medical Center	160	17	0.86%
VA Milwaukee (Clement J Zablocki Veterans Affairs)	125503	3	0.15%
Waukesha Memorial Hospital	41	1,085	55.08%
Waukesha Memorial Outpatient Center	42	246	12.49%
WHEATON FRANCISCAN HEALTHCARE-ELMBROOK	262	2	0.10%
Total		1970	100.00%

2019 Annual Report Mukwonago Fire Department

	2015	2016		2017		2018		2019	
		Admissio ns	Transfer s	Admissio ns	Transfer s	Admissio ns	Transfer s	Admissio ns	Transfer s
January	None	103	6	113	13	106	10	94	8
February	None	71	10	80	6	78	8	100	12
March	None	96	10	82	13	90	9	98	9
April	None	83	5	106	12	100	14	115	17
May	None	95	15	84	9	96	8	118	19
June	None	86	8	70	15	93	5	99	10
July	95	80	4	90	8	116	12	84	19
August	121	105	6	93	9	90	10	103	6
Septemb er	100	81	11	89	10	93	8	109	10
October	90	69	14	90	11	95	9	98	10
Novembe r	93	96	4	87	10	89	10	109	13
Decembe r	92	108	9	111	13	108	15	124	17
Total	591	1073	102	1095	129	1154	118	1251	150
	591		1175		1224		1272		1401
% Increase					4.17		3.92		10.14
MFD									
Trans	362		814		871		776		729
MFD %	61.25		69.28		71.16		61.01		52.03

ProHealth Care provided the number of admission and transfer 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 open 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. .

Primary Impression	Runs	Percent
History of falling (Z91.81)	164	8.32%
	142	7.21%
Acute pain, not elsewhere classified (G89.1)	108	5.48%
Weakness (R53.1)	87	4.42%
Pneumonia, unspecified (J18.9)	73	3.71%
Acute abdomen (R10.0)	69	3.50%
Altered mental status (R41.82)	69	3.50%
Chest pain, unspecified (R07.9)	65	3.30%
Generalized abdominal pain (R10.84)	62	3.15%
Cardiac arrhythmia/dysrhythmia (I49.9)	50	2.54%
Respiratory distress, acute (J80)	49	2.49%
Back Pain (M54.9)	48	2.44%
Repeated falls (R29.6)	45	2.28%
Syncope and collapse (R55)	45	2.28%
Infection (Unknown Source) (A31)	40	2.03%
GI Bleed (K29.71)	36	1.83%
Dizziness and giddiness (R42)	32	1.62%
COPD with exacerbation (J44.1)	30	1.52%
Stroke (I63.9)	30	1.52%
Injury of head (S09.90)	28	1.42%
Seizures without status epilepticus (G40.909)	27	1.37%
Septicemia (1); or Sepsis (2) (A41.9)	27	1.37%
Cardiac Arrest (I46.9)	26	1.32%
Injury of hip (S79.91)	26	1.32%
Not Applicable	26	1.32%
Urinary Tract Infection (UTI) (N39.0)	26	1.32%
Overdose/Drug Ingestion (itICD.047)	24	1.22%
CHF (I50.9)	23	1.17%
Appendicitis, acute (K35.80)	19	0.96%
Behavioral / psychiatric disorder (F99)	19	0.96%
Hypoglycemia, unspecified (E16.2)	17	0.86%
Head bleed (I62.9)	15	0.76%
Hypotension (I95.9)	15	0.76%
Cardiac Chest Pain (STEMI) Inferior wall (I21.1)	14	0.71%
Epistaxis (Nose Bleed) (R04.0)	14	0.71%
TIA (G45.9)	14	0.71%
Fever (R50.9)	13	0.66%
Headache (R51)	13	0.66%
Angina (1); or Ischemic chest pain (2) (I20.9)	12	0.61%
Chest Pain, Other [non-cardiac] (R07.89)	12	0.61%
Cancer, unspecified (D49)	11	0.56%

2019 Annual Report Mukwonago Fire Department

Cardiac Chest Pain (STEMI) Anterior wall (I21.0)	11	0.56%
Injury of lower leg (S89.9)	11	0.56%
Asthma with exacerbation (J45.901)	10	0.51%
Nausea and vomiting (R11)	10	0.51%
Pulmonary embolism (I26)	10	0.51%
Diarrhea (K59.1)	9	0.46%
Injury of wrist, hand, or fingers (S69.9)	8	0.41%
Respiratory disorder, unspecified (J98.9)	8	0.41%
Alcohol dependence with withdrawal, unspecified (F10.239)	7	0.36%
Alcohol use, unspecified with intoxication (F10.92)	7	0.36%
Dehydration (E86.0)	7	0.36%
Injury of face (S09.93)	7	0.36%
Injury of lower back (S39.92)	7	0.36%
Injury of neck (S19.9)	7	0.36%
Injury of shoulder or upper arm (S49.9)	7	0.36%
Injury, unspecified (T14.90)	7	0.36%
Seizures with status epilepticus (G40.901)	7	0.36%
Alcohol use, unspecified (F10.9)	6	0.30%
Allergic Reaction (T78.40)	6	0.30%
Constipation (K59.00)	6	0.30%
Diabetes with hypoglycemia (1); or Hypoglycemia-Diabetes (2) (E13.64)	6	0.30%
Nausea with vomiting, unspecified (R11.2)	6	0.30%
Pelvic and perineal pain (R10.2)	6	0.30%
Suicide attempt (T14.91)	6	0.30%
Uterine or vaginal bleeding, abnormal (N93.9)	6	0.30%
Hypertension (I10)	5	0.25%
Hypothermia (T68)	5	0.25%
Injury of ankle (S99.91)	5	0.25%
Injury of thigh (upper leg) (S79.92)	5	0.25%
Acute bronchitis, unspecified (J20.9)	4	0.20%
Choking (itICD.046)	4	0.20%
Foreign body in digestive system, part unspecified (T18.9)	4	0.20%
Injury of abdomen (S39.91)	4	0.20%
Injury of forearm (S59.91)	4	0.20%
Non-specified Sedative, hypnotic or anxiolytic related disorders (F13)	4	0.20%
Pneumothorax (J93.9)	4	0.20%
Acute bronchospasm (J98.01)	3	0.15%
Diabetes with hyperglycemia (1); or Hyperglycemia-Diabetes (2) (E13.65)	3	0.15%
Influenza, unspecified (Flu) (J11)	3	0.15%
Injury of foot (S99.92)	3	0.15%
Subdural hemorrhage, traumatic (S06.5)	3	0.15%
Anaphylactic shock (T78.2)	2	0.10%
Anemia, unspecified (D64.9)	2	0.10%

2019 Annual Report Mukwonago Fire Department

Chronic pain, not elsewhere classified (G89.2)	2	0.10%
Common cold (J00)	2	0.10%
Esophageal obstruction (K22.2)	2	0.10%
Foreign body in respiratory tract, part unspecified (T17.9)	2	0.10%
Opioid related disorders (F11)	2	0.10%
Pulmonary edema, acute (J81.0)	2	0.10%
Unspecified infectious disease (B99.9)	2	0.10%
Unspecified visual disturbance (H53.9)	2	0.10%
Altitude Sickness (T70.29)	1	0.05%
Angina, unstable (I20.0)	1	0.05%
Burn, unspecified location and degree (T30.0)	1	0.05%
Cardiac Chest Pain (STEMI) Posterior Wall (itICD.079)	1	0.05%
Cardiac tamponade (I31.4)	1	0.05%
Croup (J05.0)	1	0.05%
Ectopic pregnancy (O00)	1	0.05%
Epidural hemorrhage (S06.4)	1	0.05%
Foreign body in genitourinary tract, part unspecified (T19.9)	1	0.05%
GERD (K21)	1	0.05%
Gunshot (itICD.048)	1	0.05%
Hallucinogen related disorders (F16)	1	0.05%
Hematemesis (K92.0)	1	0.05%
Hemothorax, traumatic (S27.1)	1	0.05%
Inhalant related disorders (F18)	1	0.05%
Injury of elbow (S59.90)	1	0.05%
Injury of eye and orbit (S05)	1	0.05%
Injury of nose (S09.92)	1	0.05%
Injury of pelvis (S39.93)	1	0.05%
Intracranial injury, unspecified (S06.9)	1	0.05%
Labor (itICD.049)	1	0.05%
Migraine (G43.9)	1	0.05%
Ocular pain, unspecified eye (H57.10)	1	0.05%
Other reduced mobility (Z74.09)	1	0.05%
Pneumothorax, traumatic (S27.0)	1	0.05%
Pre-eclampsia (O14.9)	1	0.05%
Pregnancy with contractions (O62.0)	1	0.05%
Respiratory condition due to chemicals, gases, fumes, and vapors (J68.9)	1	0.05%
Respiratory failure, unspecified (J96.9)	1	0.05%
RSV (B97.4)	1	0.05%
Subarachnoid hemorrhage, traumatic (S06.6)	1	0.05%
Tooth pain (K08.8)	1	0.05%
Unspecified chronic gastritis with bleeding (K29.51)	1	0.05%
Vomiting due to pregnancy (O21.9)	1	0.05%
Total	1970	100.00%

2019 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 anticipate this to be a less time consuming and more flexible option for the students to obtain CPR certification and better the community. AHA offers the availability to obtain certification online through their website and the only remaining aspect each student needs to do is be checked off by a licensed instructor, which is now something done at the Mukwonago Fire Department. This allows the students to complete the class at their leisure without being stuck in a classroom for hours, and the check off portion is a quick interaction scheduled at their convenience. This is being done in response to requests of multiple customers for a more flexible training option with the increased busyness and hectic lifestyles. At this time we are only offering online checkoff for Heartsaver certifications and potentially in the future we may consider adding other courses. The checkoff costs for each class is as follows:

Heartsaver CPR/AED - \$25

Heartsaver First Aid - \$25

Heartsaver CPR/AED/First Aid - \$30

For the 2019 year we taught 15 CPR classes, with a total number of 70 students. Our instructors get paid on an hourly basis and we paid out to our instructors a total amount of \$1,590.00 for their services and time. We needed to provide some maintenance to some of our CPR products as well as replacing some of our supplies which cost \$555.15. Now the money that we brought in from our CPR classes was \$2,970.00, and this includes a number of classes that we did not charge for CPR due to the students being Mukwonago Fire Department members requiring renewal. Overall we had a financial difference of positive \$824.85, for the 2019 year.

1111 Fox Street
Mukwonago, WI 53149
Phone: (262) 363-6426
Email: learncpr@mukwonagofire.org

MUKWONAGO FIRE DEPARTMENT CPR PROGRAM

Healthcare Provider : 6 hours
Heartsaver CPR/AED: 5 hours
Heartsaver CPR/AED/First Aid: 9 hours

Instructors: \$30/hour

AHA BLS

Date	Students	Instructor	Deposits	Withdrawals
29-Jan	1	1	\$0.00	\$0.00
9-Mar	4	1	\$60.00	\$0.00
7-Sep	5	2	\$0.00	\$180.00
19-Oct	1	1	\$0.00	\$0.00
28-Dec	1	1	\$0.00	\$0.00

Heartsaver CPR/AED

Date	Students	Instructor	Deposits	Withdrawals
14-Jan	3	3	\$180.00	\$150.00
9-Feb	6	2	\$360.00	\$0.00
16-Feb	6	3	\$360.00	\$300.00
7-Sep	2	2	\$120.00	\$150.00

Heartsaver CPR/AED/First Aid

Date	Students	Instructor	Deposits	Withdrawals
21-Aug	14	3	\$1,260.00	\$270.00
16-Dec	7	2	\$630.00	\$540.00

Bloodborne Pathogens

Date	Students	Instructor	Deposits	Withdrawals
16-Oct	7	1	\$0.00	\$0.00
16-Oct	3	1	\$0.00	\$0.00
24-Oct	7	1	\$0.00	\$0.00
28-Oct	2	1	\$0.00	\$0.00

Total	\$2,970.00	-\$1,590.00
Difference	\$1,380.00	

Purchased Supplies 2019

Training Masks	\$166.09
Training Masks	\$97.41
AHA Books	\$291.65
Total	\$555.15

Payments	\$2,970.00
Costs	\$1,590.00
Supplies	\$555.15
	\$824.85

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 particular event. There were 64 events, 192 total MFD participants totaling 483.50 hours for those related events. This does not include any fire or EMS related trainings, meetings or administration.

Public Education and Prevention Activities 2019

Category	Classes	Pct of Classes	Attendees	Pct of Attendees	Hours	Pct of Hours
EM21 Public CPR	7	10.93%	15	7.81%	61.50	12.71%
ES Event Standby	10	15.62%	22	11.45%	75.00	15.51%
FIRST First Aid	2	3.12%	3	1.56%	6.50	1.34%
FP01 Fire Prevention	11	17.18%	39	20.31%	92.25	19.07%
PD Parade Detail	6	9.37%	33	17.18%	45.00	9.30%
SEF Special Event-Fire	13	20.31%	47	24.47%	155.75	32.21%
TOUR In and out of station tours	14	21.87%	32	16.66%	41.50	8.58%
WD02 Work Detail-EMS	1	1.56%	1	0.52%	6.00	1.24%
Totals	64		192		483.50	

All Trainings 2019

Category	Classes	Pct of Classes	Attendees	Pct of Attendees	Hours	Pct of Hours
AC Apparatus Committee	3	0.92%	8	0.59%	15.00	0.46%
AD01 Administrative Procedures	30	9.20%	32	2.36%	59.50	1.84%
AL Aerial Ladders	4	1.22%	28	2.07%	57.00	1.76%
AO Ambulance Orientation	1	0.30%	2	0.14%	2.00	0.06%
CADETTR Cadet Training	8	2.45%	36	2.66%	77.00	2.38%
CHOPF Chief officer Meeting	1	0.30%	3	0.22%	3.00	0.09%
CM Commission Meeting	4	1.22%	4	0.29%	4.25	0.13%
CPRIR CPR Instructor Recertification	1	0.30%	2	0.14%	8.00	0.24%
DM Department Meeting	11	3.37%	155	11.47%	133.00	4.11%
DOC Documentation	2	0.61%	10	0.74%	10.00	0.30%
DOCF Documentation-Fire	1	0.30%	1	0.07%	1.50	0.04%
DT01 General Driver Training	2	0.61%	10	0.74%	28.00	0.86%
EM02 ALS Skills Testing	1	0.30%	7	0.51%	19.25	0.59%
EM11 WMD/HIPPA/BLOODS	6	1.84%	30	2.22%	29.25	0.90%
EM12 ALS Training	11	3.37%	77	5.69%	189.00	5.85%
EM13 BLS Training	23	7.05%	150	11.10%	245.25	7.59%
EM20 CPR Recertification	3	0.92%	9	0.66%	40.00	1.23%
EM21 Public CPR	7	2.14%	15	1.11%	61.50	1.90%
EP Emergency Preparedness	9	2.76%	9	0.66%	25.25	0.78%
EQUIP REPLA Equipment Replacement Committee	1	0.30%	2	0.14%	4.00	0.12%
ES Event Standby	10	3.06%	22	1.62%	75.00	2.32%
EVALUATIONS Evaluations	3	0.92%	14	1.03%	17.00	0.52%
FDS Fire Department Study	2	0.61%	7	0.51%	12.50	0.38%
FE Forcible Entry	2	0.61%	26	1.92%	65.00	2.01%
FI01 Fire Inspections	1	0.30%	1	0.07%	4.00	0.12%
FIRST First Aid	2	0.61%	3	0.22%	6.50	0.20%
FP01 Fire Prevention	11	3.37%	39	2.88%	92.25	2.85%
FSM Full Time Staff Meeting	1	0.30%	8	0.59%	4.00	0.12%
GL Ground Ladders	3	0.92%	31	2.29%	59.00	1.82%
HAZENV Hazardous Enviroment Investigation	1	0.30%	1	0.07%	1.75	0.05%
HO Hydrant Operations	1	0.30%	8	0.59%	16.00	0.49%
HOSE Hose Advancement	2	0.61%	20	1.48%	46.00	1.42%
LIVEFIRE Live Fire training	1	0.30%	28	2.07%	229.00	7.09%
MABAS MABAS Meeting	8	2.45%	8	0.59%	38.00	1.17%
MED Medication Review	2	0.61%	7	0.51%	7.00	0.21%
NSARI National SAR Initiative	1	0.30%	1	0.07%	1.00	0.03%
OD Officer Development	9	2.76%	37	2.73%	53.00	1.64%
ORI Orientation	2	0.61%	12	0.88%	28.00	0.86%
PALS PALS Recertification	1	0.30%	11	0.81%	71.50	2.21%

2019 Annual Report Mukwonago Fire Department

Category	Classes	Pct of Classes	Attendees	Pct of Attendees	Hours	Pct of Hours
PARA OR Paramedic Orientation	5	1.53%	10	0.74%	45.00	1.39%
PARA RE Paramedic Refresher	2	0.61%	16	1.18%	133.25	4.12%
PD Parade Detail	6	1.84%	33	2.44%	45.00	1.39%
PO Pump Operations	3	0.92%	25	1.85%	65.00	2.01%
PPE Personal Protective Equipment	1	0.30%	6	0.44%	6.00	0.18%
PREPLAN Pre-Plan	2	0.61%	12	0.88%	18.25	0.56%
PSOG Policy-SOG	1	0.30%	1	0.07%	2.00	0.06%
RETR Recruit Training	25	7.66%	95	7.03%	425.75	13.18%
RT Recruit Testing	24	7.36%	38	2.81%	75.75	2.34%
RWO Rural Water Operations	1	0.30%	3	0.22%	3.00	0.09%
S & R Search and Rescue	1	0.30%	11	0.81%	32.50	1.00%
SAFETY Safety Committee	3	0.92%	11	0.81%	11.00	0.34%
SEF Special Event-Fire	13	3.98%	47	3.47%	155.75	4.82%
SEOPS Small Equipment Operations	2	0.61%	8	0.59%	13.75	0.42%
TC Training Committee	4	1.22%	9	0.66%	5.25	0.16%
TOUR In and out of station tours	14	4.29%	32	2.36%	41.50	1.28%
VE Vehicle Extrication	2	0.61%	23	1.70%	47.50	1.47%
WATER Water Rescue	8	2.45%	56	4.14%	156.00	4.83%
WATSUPP Water Supply	1	0.30%	7	0.51%	17.50	0.54%
WCFCFA Waukesha Fire Chief's Association	7	2.14%	7	0.51%	10.75	0.33%
WD01 Work Detail	8	2.45%	26	1.92%	75.00	2.32%
WD02 Work Detail-EMS	1	0.30%	1	0.07%	6.00	0.18%
Totals	326		1351		3,229.75	

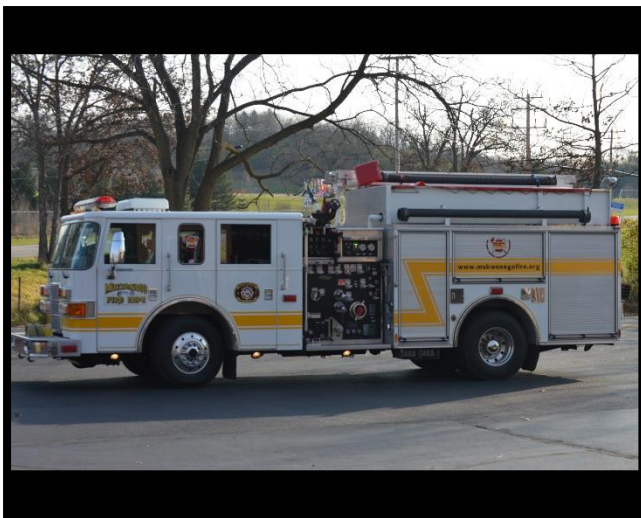
The above chart indicates all the hours of trainings, meetings and personal development MFD members attend throughout the last year. Emergency services are very demanding and continuous training is required to keep up with ever changing challenges members will encounter. A total of 3,229.75 hours of training completed for 2019.

Engines



Vehicle: 3461 – Spartan Darley
Year Purchased: 1990
Approximate Cost: \$ 190,000
Replacement Year: Retire-Discontinue 2021
Replacement Cost: \$740,000 (Pumper-Tender)

Vehicle: 3462 – 2002 Pierce Enforcer
Year Purchased: 2002
Approximate Cost: \$ 285,000
Replacement Year: 2031
Replacement Cost: \$ 500,000



Vehicle: 3463 – 2001 Pierce Enforcer Rescue Style
Pumper
Year Purchased: 2008
Approximate Cost: \$ 198,000
Replacement Year: 2026
Replacement Cost: \$ 300,000 (Tender with Pump)

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: \$675,000 (Pumper-Tender)

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: Discontinue



Personnel Vehicles



Vehicle: 3481 – Chevrolet
Year Purchased: 1989
Approximate Cost: \$ 10,000
Replacement Year: 2020
Replacement Cost: \$40,000

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



Vehicle: Car 2 – Chevrolet Suburban
Year Purchased: 2009
Approximate Cost: \$30,000
Replacement Year: 3488 will be rotated to this position
Replacement Cost: \$ 0.00

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



Vehicle:
Year



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

2019 Annual Report Mukwonago Fire Department

Vehicle: 3453 – 2019 Med Tec Ford E-450 Remount
Year Purchased: 20
Approximate Cost: \$ 116,691
Replacement Year: 2025
Replacement Cost: \$ 240,000 new

