

Mukwonago Fire Department Annual Report 2013

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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.

2013 picked up where 2012 left off. In January we responded to two large structure fires within a week of each other where MABAS was utilized. The first was a large barn in the town and the second was an attached two car garage that started on the outside due to discarded ashes from the fireplace but the crews were able to minimize the damage to the attached two story house and no injuries were reported at either incident. Crews responded to 400 Bay View for a vehicle fire. As the crews approached the vehicle was charged with smoke and the owner was trying to get in the vehicle. The owner was removed and the crew made entry and saved the owner's dog.

The summer brought an interesting string of little fires that were suspicious. The first was a port-potty in the park and a fire in the storage building at Horn Feeds. Both of these fires were suspicious and the investigation was turned over to Mukwonago PD.

The department was able to staff with Paid on Premise (POP) personnel to assist the full time staff with their duties such as inspections and every day responsibilities. In 2014 we are looking to add an additional POP on staff from 6am to 6pm seven days a week. I am excited to announce that we purchased a new piece of equipment this year. The new apparatus replaces a 30 year old piece of equipment that has spent most of 2013 in and out of service for critical repairs. I encourage everyone to stop in and see the new 3471 Ladder Truck. It is a Rosenbauer Cobra 101' Aerial Ladder. This is a very important piece of equipment for both the Village and the Town. This apparatus helps in rescue situation and fire extinguishment incidents.

MFD was fortunate to receive the following grants in 2013: \$1,913.38 DNR grant for gear and equipment, a Wal-Mart Foundation Grant for \$1,000.00 for a 4-Gas Meter, \$1,000.00 WE Foundation Grant for 3 new Gas Sniffers, \$2,500.00 from the Waukesha County Medical Society to purchase an Automatic External Defibrillator for the new Aerial Truck, \$1,000.00 from Citizen's Bank for the Dress Uniforms, \$125.00 from Garden Mart, \$500.00 from the Pickle Power Racing, \$613.12 from the Ladies Auxiliary and \$500.00 from the Lions Club for Dress Uniforms.

November 6, 2013 marked the 100th Year Anniversary of MFD. A great time was had by all at the weekend long celebration at both Station 1 and Station 2. I hope everyone had a chance to participate. Everyone is welcome any time to stop in and meet your firefighters and look at your apparatus. As well as responding to calls members 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... AND...

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 to more effectively utilize 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

Inspection 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 when needed if it is kept clean. 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 Rapid Intervention Crew. In addition, seasonal training for the 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.
- 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.

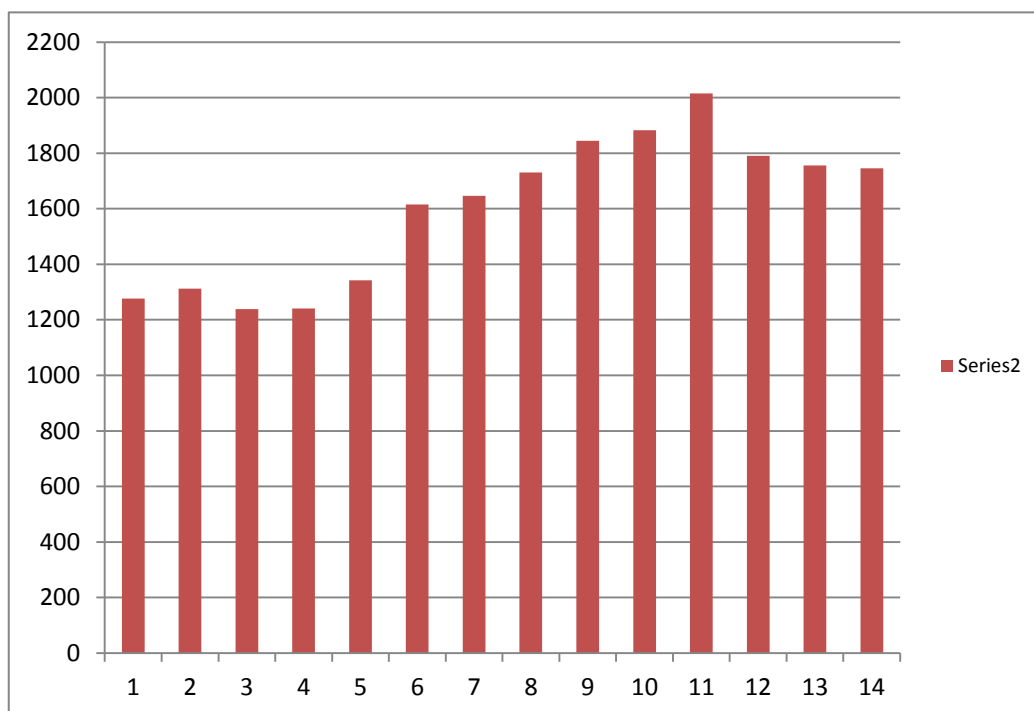
- Driver training and education regarding safe and prompt responses.
- Familiarizing all personnel with the Mukwonago community.
- Updating all maps of the Mukwonago community and surrounding areas.
- Familiarizing personnel in the use of GPS units in all apparatus.
- Be prepared for incidents that not 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 we are called.
- 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

Total EMS and Fire Calls

Year	Total	EMS	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	1361	285	1.9
2007	1730	1426	304	5.1
2008	1845	1537	308	6.6
2009	1883	1625	258	2.1
2010	2015			7.0
2011	1791	1563	228	-11.1
2012	1756	1508	248	-2.0
2013	1745	1497	248	-0.6



FIRE



Average Turnout per Fire Incident

Total Number of Incidents 246
Total Number of Responding Personnel 1494
Average Turnout per Incident 7

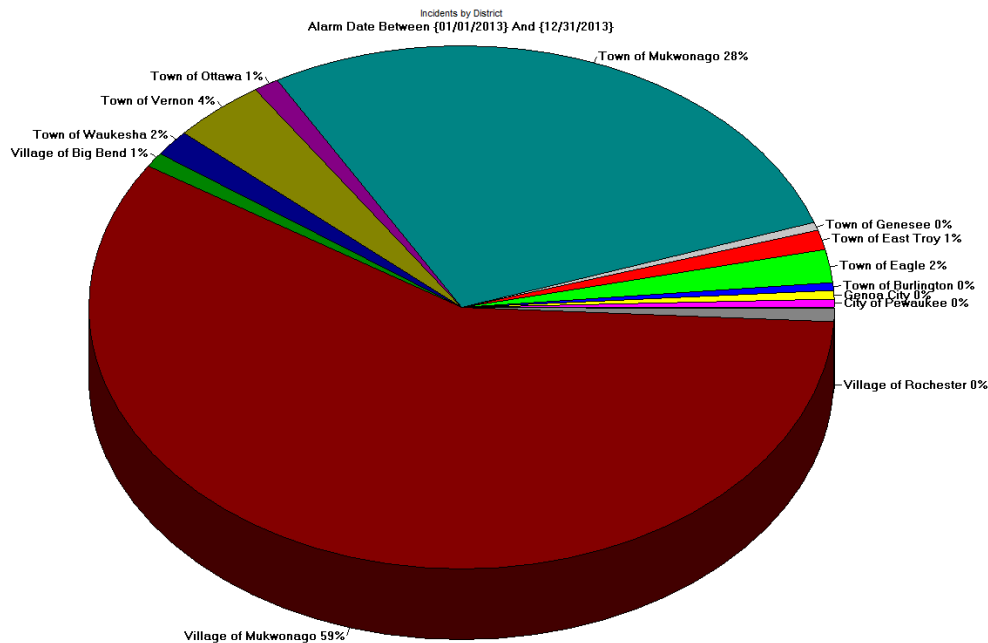
Fire Incidents by District

<u>District</u>	<u>Incidents</u>	<u>Incidents Pct</u>	<u>Losses</u>
Village of Mukwonago	145	58.94 %	\$91,500
Town of Mukwonago	69	28.05 %	\$97,700
Town of Vernon	10	4.07 %	
Village of Big Bend	3	1.22 %	
Town of East Troy	3	1.22 %	
Town of Eagle	5	2.03 %	
Town of Genesee	1	0.41 %	
Town of Waukesha	4	1.63 %	
Town of Ottawa	2	0.81 %	
Town of Burlington	1	0.41 %	
Village of Rochester	1	0.41 %	
Genoa City	1	0.41 %	
City of Pewaukee	1	0.41 %	

Total Incident Count:

246 Total

Estimated Losses: \$189,200



Fire Incident Type Report

Incident Type	Incidents	Incidents Pct	Losses
1 Fire			
Fire, Other	4	1.63%	\$1,000
Building fire	22	8.94%	\$173,500
Fires not in a building	2	0.81%	\$1,000
Cooking fire confined	2	0.81%	\$100
Boiler malfunction	1	0.41%	\$1,000
Trash fire contained	2	0.81%	
Mobile property fire, other	2	0.81%	\$100
Passenger vehicle fire	3	1.22%	\$5,500
Transport vehicle fire	1	0.41%	\$7,100
Off road, heavy equip fire	1	0.41%	\$2,000
Natural vegetation fire other	1	0.41%	
Wildland fire	2	0.81%	
Brush and grass fire	1	0.41%	
Grass fire	1	0.41%	
Outside trash fire	1	0.41%	
Dumpster fire	2	0.81%	
Special outside fire, other	1	0.41%	
	49	19.92%	\$184,200

3 Rescue & Emergency Medical Service Incident

Medical assist	6	2.44%	
MVA with injuries	37	15.04%	
MVA with no injuries	30	12.20%	
Lock-in	1	0.41%	
Search for person on land	1	0.41%	
Extrication	1	0.41%	
Person stuck in elevator	1	0.41%	
Water & ice-related rescue	1	0.41%	
Watercraft rescue	1	0.41%	
	79	32.11%	

4 Hazardous Conditions (No Fire)

Flammable liquid spill	1	0.41%	
Gas leak (natural gas or LPG)	5	2.03%	
Chemical spill or leak	1	0.41%	
Carbon monoxide incident	1	0.41%	
Electrical wiring problem	2	0.81%	
Heat from short circuit	1	0.41%	
Overheated motor	2	0.81%	

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Power line down	5	2.03%
	19	7.72%

5 Service Call

Service Call, other	1	0.41%
Lockout	1	0.41%
Water problem other	2	0.81%
Smoke or odor removal	2	0.81%
Assist police or other	2	0.81%
Public service	1	0.41%
Unauthorized burning	1	0.41%
Standby, move up	2	0.81%
	12	4.88%

6 Good Intent Calls

Dispatched & cancelled	26	10.57%
Smoke Scare, odor of smoke	7	2.85%
Steam thought to be smoke	1	0.41%
	34	13.82%

7 False Alarms & False Call

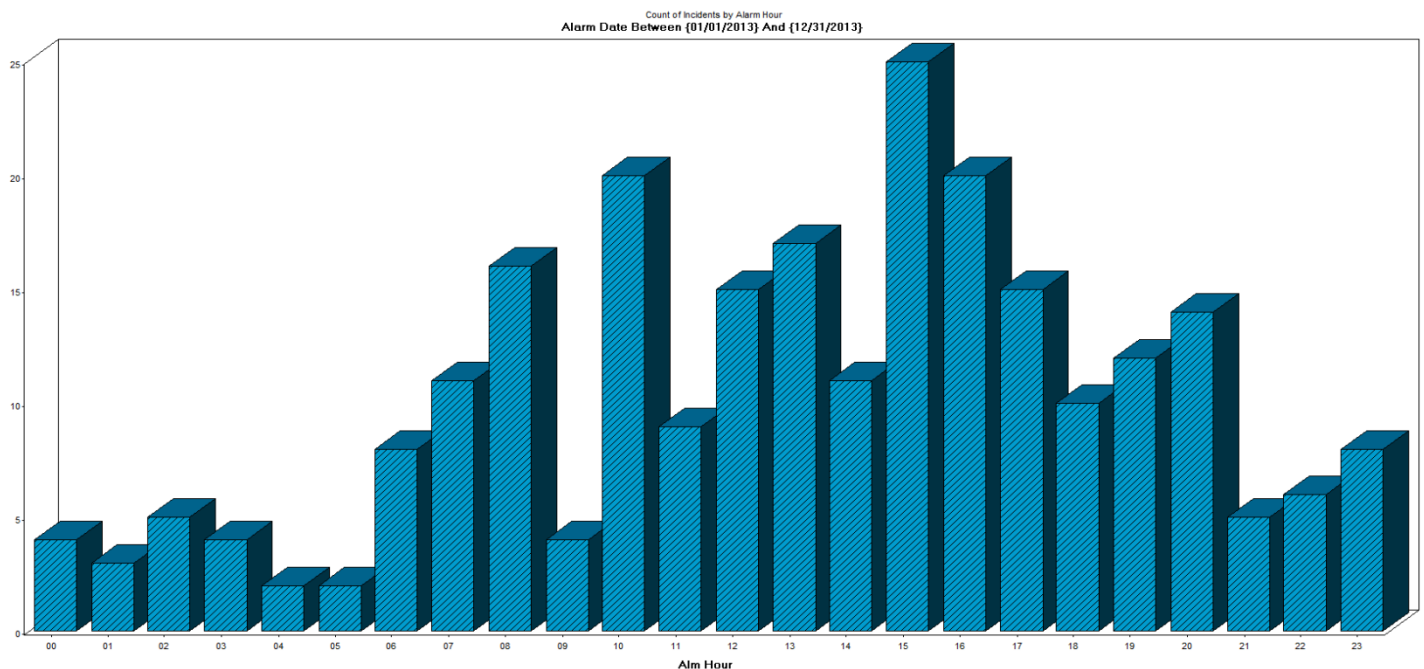
False alarm or call, other	16	6.50%
System malfunction, other	15	6.10%
Sprinkler malfunction	1	0.41%
CO detector malfunction	11	4.47%
Unintentional transmission	7	2.85%
Detector activation, no fire	1	0.41%
	51	20.73%

9 Special Incident Type

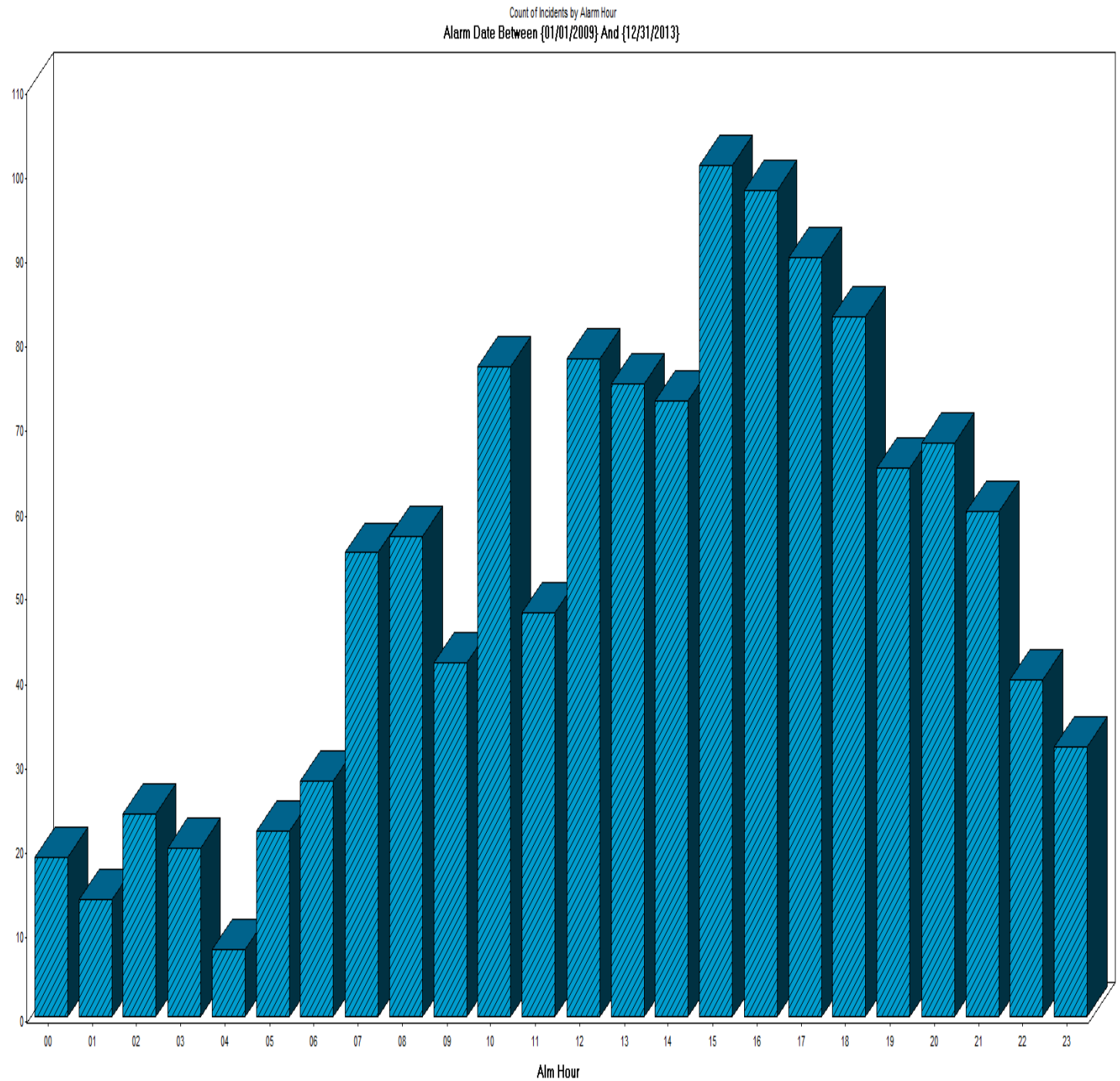
Special type of incident	1	0.41%
Citizen complaint	1	0.41%
	2	0.81%

Fire Incidents Alarm Time Analysis

Alarm Hour	Count	Percent
00:00	4	1.63%
01:00	3	1.22%
02:00	5	2.03%
03:00	4	1.63%
04:00	2	0.81%
05:00	2	0.81%
06:00	8	3.25%
07:00	11	4.47%
08:00	16	6.50%
09:00	4	1.63%
10:00	20	8.13%
11:00	9	3.66%
12:00	15	6.10%
13:00	17	6.91%
14:00	11	4.47%
15:00	25	10.16%
16:00	20	8.13%
17:00	15	6.10%
18:00	10	4.07%
19:00	12	4.88%
20:00	14	5.69%
21:00	5	2.03%
22:00	6	2.44%
23:00	8	3.25%

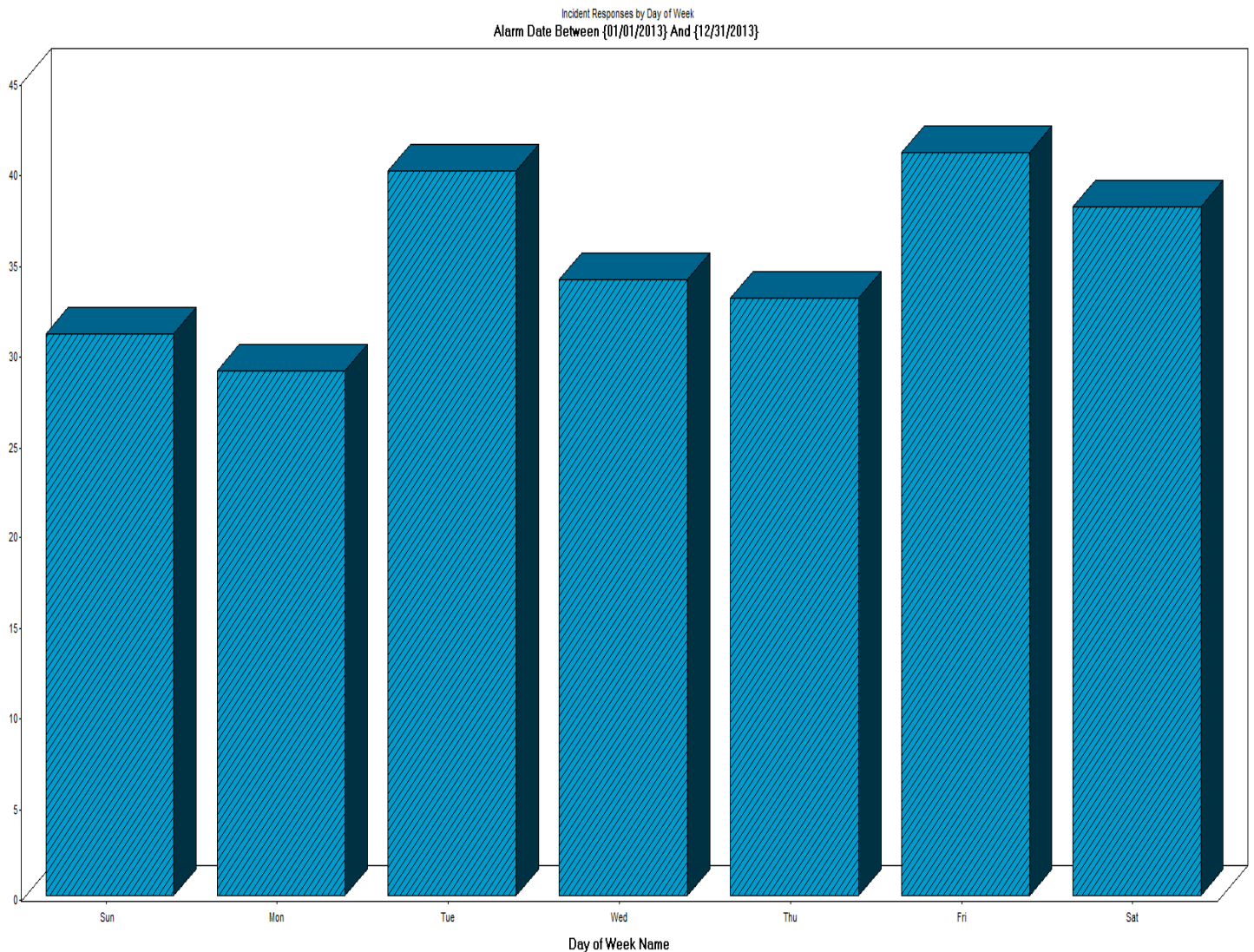


Alarm Time Analysis 01-2009 to 12-2013



Fire Incidents by the Day of the Week/Shift

Shift	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	2	6	8	3	3	3
2	6	4	4	5	1	5	4
3	8	1	3	3	3	3	7
4	15	22	27	34	33	41	24
Total	31	29	40	34	33	41	38



Emergency Medical Services



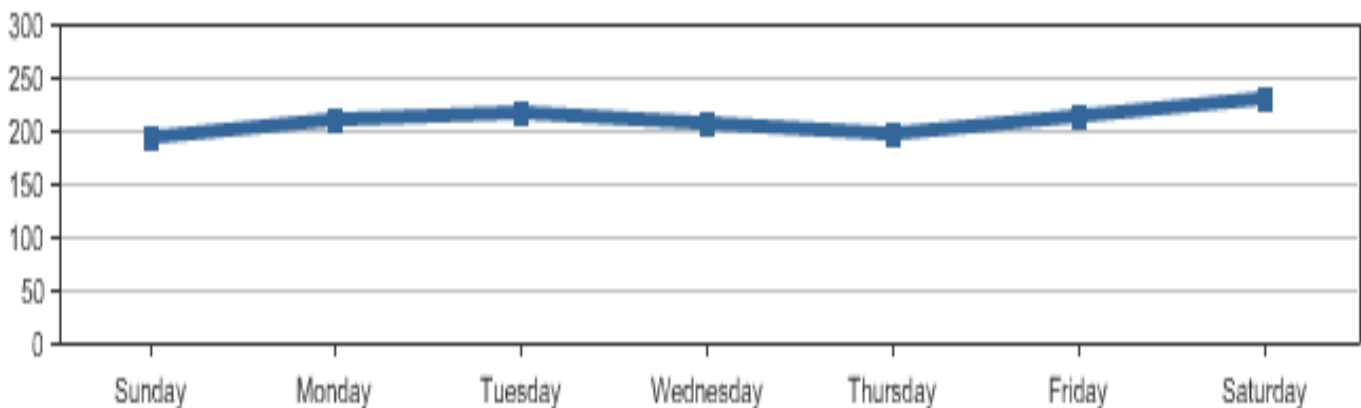
EMS Runs by City

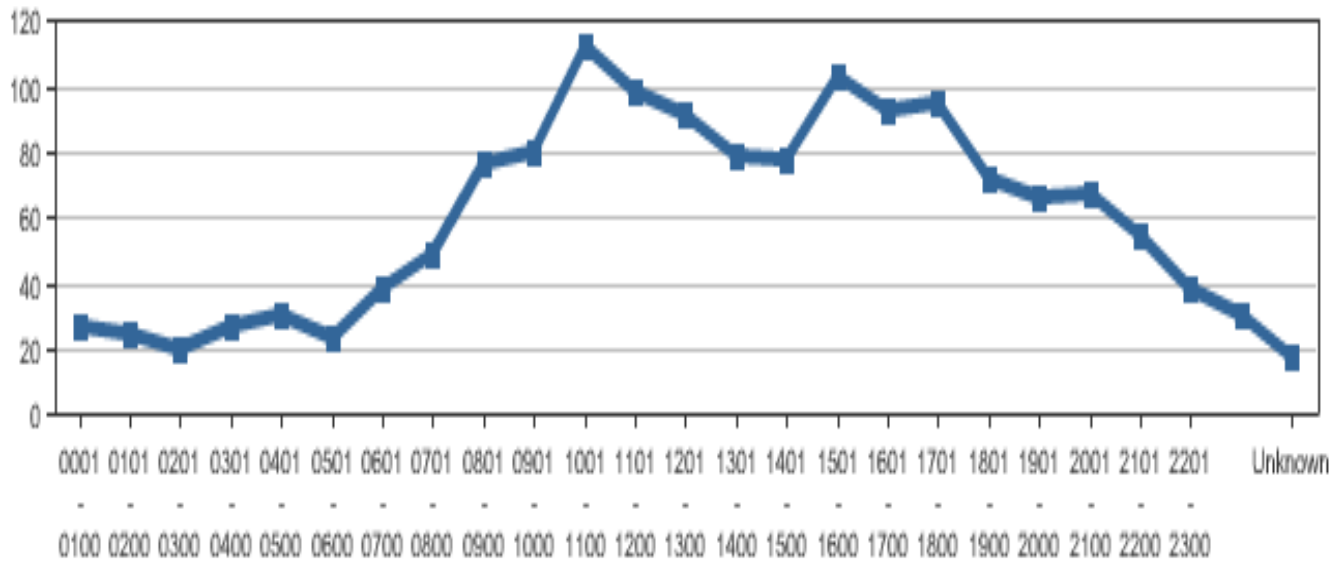
<u>City</u>	<u># of Runs</u>	<u>% of Runs</u>
Big Bend	3	0.20%
Bloomfield (Town of)	1	0.07%
Eagle	71	4.74%
East Troy	148	9.89%
Genoa City	3	0.20%
Mukwonago	1018	68.00%
Mukwonago (Town of)	218	14.56%
North Prairie	20	1.34%
Pell Lake	1	0.07%
Tichigan	1	0.07%
Vernon (Town of)	11	0.73%
Waterford	1	0.07%
<u>WAUKESHA</u>	<u>1</u>	<u>0.07%</u>
Total	1497	100%

Times of EMS Calls by Day of the Week 2012

<u>Time Period</u>	<u>Sunday</u>	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Total</u>	<u>Percentage</u>
0001 - 0100	9	3	3	2	3	4	3	27	1.80%
0101 - 0200	5	4	1	6	4	4	1	25	1.67%
0201 - 0300	3	3	1	1	3	6	3	20	1.34%
0301 - 0400	4	7	3	5	3	2	3	27	1.80%
0401 - 0500	8	3	3	8	4	3	1	30	2.00%
0501 - 0600	2	3	3	8	4	1	3	24	1.60%
0601 - 0700	5	7	5	7	6	5	4	39	2.61%
0701 - 0800	5	11	8	6	7	8	4	49	3.27%
0801 - 0900	8	10	8	17	10	10	14	77	5.14%
0901 - 1000	12	4	15	11	12	13	13	80	5.34%
1001 - 1100	18	12	19	15	12	15	21	112	7.48%
1101 - 1200	7	19	15	10	11	19	18	99	6.61%
1201 - 1300	12	12	14	9	6	13	26	92	6.15%
1301 - 1400	14	10	19	7	11	10	8	79	5.28%
1401 - 1500	9	10	14	12	9	14	10	78	5.21%
1501 - 1600	12	18	7	13	14	20	19	103	6.88%
1601 - 1700	13	12	19	15	14	11	9	93	6.21%
1701 - 1800	5	16	12	12	18	14	18	95	6.35%
1801 - 1900	6	11	11	12	10	9	13	72	4.81%
1901 - 2000	10	6	9	14	7	9	11	66	4.41%
2001 - 2100	10	6	7	8	13	11	13	68	4.54%
2101 - 2200	7	11	6	7	10	5	9	55	3.67%
2201 - 2300	6	7	8	2	5	6	5	39	2.61%
2301 - 0000	4	6	8	2	3	4	3	30	2.00%
Unknown	0	0	0	0	0	0	0	18	1.20%
Total	194	211	218	209	199	216	232	1497	100%

Sunday
 Monday
 Tuesday
 Wednesday
 Thursday
 Friday
 Saturday





Ambulance Average Run Times

Action	Time
Enroute	00:03:52
To Scene	00:04:32
At Scene	00:16.56
To Destination	00:23.38
Back in Service	00:55.45
Total	01:44:43

Ambulance Runs by Primary Role of Unit

Primary Role of Unit	# of Times	% of Times
ALS Ground Transport	874	58.38%
BLS Ground Transport	205	13.69%
Non-Transport	409	37.32%
Not Applicable	1	0.07%
Other Transport	5	0.33%
Rescue	2	0.07%
Transport	1	0.07%
Unknown	1	0.00%
Total	1497	100%

Transport Hospital

Destination	# of Runs	% of Runs
AURORA MED CTR -SUMMIT	11	0.73%
AURORA MED CTR – SUMMIT	10	0.67%
Aurora Mem Hosp of Burlington	13	0.87%
CHILDREN'S HOSPITAL OF WI	21	1.40%
Clement J Zablocki VA Medical Center	7	0.47%
Columbia St Mary's - Milwaukee	2	0.13%
ELMBROK MEMORIAL HOSPITAL	5	0.33%
FROEDTERT MEM. LUTHERAN HSP	12	0.80%
LAKELAND HEALTH CARE CENTER	18	1.20%
LINDENGROVE - WAUKESHA	1	0.07%
MASONIC HEALTH CARE CENTER INC	1	0.07%
Not Applicable	2	0.13%
Not transported	61	4.07%
OCONOMOWOC MEMORIAL HOSPITAL	15	1.00%
ST FRANCIS HOSP	1	0.07%
ST LUKES MED CTR	8	0.53%
The Wisconsin Heart Hospital	2	0.13%
WAUKESHA MEMORIAL HOSPITAL	930	62.12%
WEST ALLIS MEM. HOSPITAL	5	0.33%
No Destination	372	24.85%
Total	1497	100%

CPR Report

The CPR program at the Mukwonago Fire Department has undergone many changes in efforts to educate the public and offer our citizens the opportunity to become CPR certified. These changes were initiated in the later part of 2013, beginning in September. Since the inception of this new program we have noticed a large increase in number of classes being taught by the Mukwonago Fire Department and we estimate that the number will continue to rise in coming years. By educating the public it can provide our citizens with the knowledge to act in serious circumstances and overall result in better care for our citizens. However, as the number of classes we host each year increases so does the number of possible renewals that we can expect to see two years later, therefore, continuing to increase the number of probable classes.

For the 2013 year we taught 12 CPR classes, with a total number of 67 students. Our instructors get paid on an hourly basis and we paid out to our instructors a total amount of \$2,340.00 for their services and time. Also we needed to provide some maintenance to some of our CPR products as well as replacing some of our supplies which cost \$466.00. Now the money that we brought in from our CPR classes was \$1,515.00. Overall we had a financial difference of negative \$1,291.00, which then caused us to reevaluate our class prices since they had not been updated in a number of years. We then changed our class prices to reflect modern day expenses and needs of the updated CPR classes, therefore leading us to change our Heartsaver CPR/AED class and Healthcare Provider class from \$35.00 to \$40.00. As well due to the increased needs and longer duration of the Heartsaver CPR/AED/First Aid class we updated our price from \$35.00 to \$70.00.

Henry T. Slocum IV
CPR Liaison
Mukwonago Fire Department

Email: learncpr@mukwonagofire.org

MUKWONAGO FIRE DEPARTMENT CPR PROGRAM

Healthcare Provider : 6 hours
 Heartsaver CPR/AED: 4 hours
 Heartsaver CPR/AED/First Aid: 8 hours

Instructors: \$30/hour

Healthcare Provider

Date	Students	Instructor
25-Jun	4	1

Heartsaver CPR/AED

Date	Students	Instructor
5-Jun	6	1
19-Jun	10	3
19-Jun	1	0
23-Aug	4	1
29-Oct	7	1
7-Nov	1	0

Heartsaver CPR/AED/First Aid

Date	Students	Instructor
27-Aug	7	2
17-Oct	8	2
7-Nov	8	2

Replacement Cards

Date	Students	Instructor
10-Jun	1	0
7-Nov	1	0

Deposits	Withdrawals
\$0.00	\$180.00
\$210.00	\$120.00
\$350.00	\$360.00
\$0.00	\$0.00
\$140.00	\$120.00
\$0.00	\$120.00
\$0.00	\$0.00
\$245.00	\$480.00
\$280.00	\$480.00
\$280.00	\$480.00
\$5.00	\$0.00
\$5.00	\$0.00

Total	\$1,515.00	-\$2,340.00
Difference	-\$825.00	

Purchased Supplies 2013

CPR Manikins Lungs	\$40.00
AED Pads	\$76.00
CPR Books	\$200.00
First Aid Supplies	\$150.00
Total	\$466.00

Payments	\$1,515.00
Costs	\$2,340.00
Supplies	\$466.00
	-\$1,291.00

Engines



Vehicle: 3461 – Spartan Darley
Year Purchased: 1990
Approximate Cost: \$ 190,000
Replacement Year: 2015
Replacement Cost: \$ 625,000

Vehicle: 3462 – 2002 Pierce Enforcer
Year Purchased: 2002
Approximate Cost: \$ 285,000
Replacement Year: 2025
Replacement Cost: \$ 400,000



Vehicle: 3463 – 2001 Pierce Enforcer
Rescue Style Pumper
Year Purchased: 2008
Approximate Cost: \$ 198,000
Replacement Year: 2021
Replacement Cost: \$ 400,000

Specialty Apparatus

Vehicle: 3471 – Rosenbauer Cobra 101'
Year Purchased: 2013
Approximate Cost: \$ 775,000
Replacement Year: 2033
Replacement Cost: \$ 950,000



Vehicle: 3481 – Chevy
Year Purchased: 1990
Approximate Cost: \$ 35,000
Replacement Year: 2016
Replacement Cost: \$ 80,000

Vehicle: 3484 – 6x6 and Trailer
Year Purchased: 1997
Approximate Cost: \$ 8,500
Replacement Year: 2018
Replacement Cost: \$ 15,000



Water Operations

(ice and open water)



Vehicle: 3496 – 1998 Rescue One
Year Purchased: 1997
Approximate Cost: \$ 13,000
Replacement Year: 2024
Replacement Cost: \$30,000

Vehicle: 3487 – 2000 Freightliner Med Tec
Year Purchased: 2000
Approximate Cost: \$ 130,000
Replacement Year: 2020
Replacement Cost: \$ 200,000



Personnel Vehicles



Vehicle: 3489 – 4x4 4 door Chevy
Year Purchased: 2000
Approximate Cost: \$ 30,000



Vehicle: 3488 – Chevy Suburban
Year Purchased:
Approximate Cost: \$30,000
Replacement Year: 2017
Replacement Cost: \$40,000



Vehicle: Car 1 – 2004 Ford Escape
Year Purchased: 2004
Approximate Cost: Lease
Replacement Year: 2014
Replacement Cost: \$ 32,000

Ambulances

Vehicle: 3451 – 2007 Med Tec Ford E-350
Year Purchased: 2007
Approximate Cost: \$ 118,000
Replacement Year: 2015
Replacement Cost: \$ 100,000 (Remount)



Year



Vehicle: 3452 – 2012 Med Tec Chevrolet 4500
Purchased: 2012
Approximate Cost: \$ 146,000
Replacement Year: 2020
Replacement Cost: \$ 100,000 Remount

Vehicle: 3453 – 2009 Med Tec Ford E-350
Year Purchased: 2009
Approximate Cost: \$ 130,000
Replacement Year: 2018
Replacement Cost: \$ 100,000 (Remount)

