

Munson Fire Department



2023

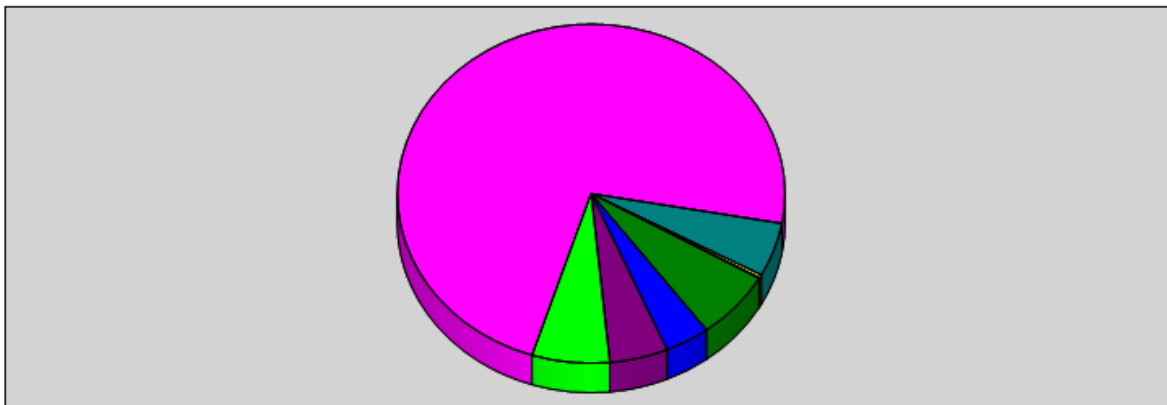
ANNUAL REPORT



The Munson Fire Department has grown from a volunteer fire service in 1952 to a combination full-time and part-time department of 24 members. Today, the current service delivery model consists of two administrative staff members, seven part-time personnel, and fifteen full-time personnel. These employees complement each other and make the service exceptional.

The mission of the Munson Fire Department is to provide up-to-date, compassionate exemplary emergency, fire, and public assistance services to our community with unwavering commitment to continued education and respect for the profession and those we serve.

2023 Responses



■ False Alarm & False Call	■ Hazardous Condition (No Fire)	■ Severe Weather & Natural Disaster
■ Fire	■ Rescue & Emergency Medical	■ Overpressure Rupture, Explosion, Overheat(no fire)
■ Good Intent Call	■ Service Incident	
■ Service Call		

INCIDENT TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
False Alarm & False Call	6	8	8	6	4	10	14	19	7	9	3	9	103
Fire	3	5	10	3	2	7	1	4	7	7	5	5	59
Good Intent Call	3	10	8	8	5	5	4	7	7	5	8	7	77
Hazardous Condition (No Fire)	6	8	21	3	4	2	6	36	8	1	2	5	102
Overpressure Rupture, Explosion, Overheat(no fire)						1							1
Rescue & Emergency Medical Service Incident	96	84	90	107	98	109	79	82	94	112	98	102	1151
Service Call	7	9	9	5	3	8	9	4	7	8	9	3	81
Severe Weather & Natural Disaster				1		1		3					5
Total	121	124	146	133	116	143	113	155	130	142	125	131	1579

Automatic Aid Responses Received by Munson Fire Department: 43 times in 2023, 2.7% of total incidents, of which 3 incidents were confirmed fires in a structure, and 1% of total automatic aid responses Munson received were confirmed fires.

Automatic Aid Responses Given by Munson Fire Department: 107 times in 2023, 6.8% of Total Incidents, Mutual Aid, and Automatic Aid, of which Munson Fire responded, 37 were confirmed fires or fires in a structure, 50% of the total Automatic Aid responses given.

Mutual Aid Responses Received by Munson Fire Department – 22 times in 2023, 1.3 % of Total Incidents.

Mutual Aid Responses Given by Munson Fire Department - 91 times in 2023, 5.8 % of Total Incidents.



2023 Total MVA's in Munson Township

79 Incidents

With injury, 42 requiring transport

Non injury, 37 no transport required

MVA's Requiring Extrication and Disentanglement 1

2023 Overlapping Calls 295

Causing a 19 % of overlapping calls in 2023

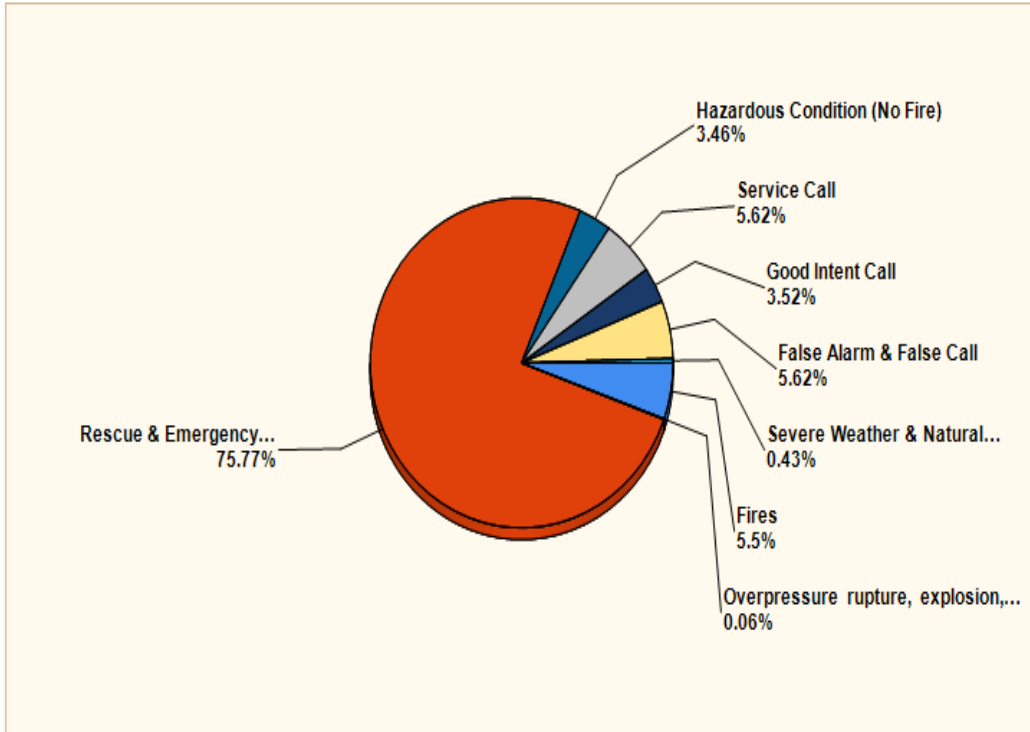
2022 Overlapping Calls 269

Causing a 17 % of overlapping calls in 2022

Picture of an auto aid responses to Hambden Township Structure Fires



2022 Responses



MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	89	5.5%
Overpressure rupture, explosion, overheating - no fire	1	0.06%
Rescue & Emergency Medical Service	1226	75.77%
Hazardous Condition (No Fire)	56	3.46%
Service Call	91	5.62%
Good Intent Call	57	3.52%
False Alarm & False Call	91	5.62%
Severe Weather & Natural Disaster	7	0.43%
TOTAL	1618	100%

Automatic Aid Responses Received by Munson Fire Department: 44 times in 2022, 2.7% of total incidents, of which 3 incidents were confirmed fires in a structure, and 2% of total automatic aid responses were confirmed fires.

Automatic Aid Responses Given by Munson Fire Department: 116 times in 2022, 7.2% of Total Incidents, of which Munson Fire responded to 37 were confirmed fires or fires in a structure, or 32% of Automatic Aid responses given.

Mutual Aid Responses Received by Munson Fire Department: 24 times in 2022, 1.5% of Total Incidents.

Mutual Aid Responses Given by Munson Fire Department: 80 times in 2022, 4.9% of Total Incidents.

INCIDENT TYPE	# INCIDENTS
MUNSON FIRE DEPARTMENT	
111 - Building fire	42
113 - Cooking fire, confined to container	1
114 - Chimney or flue fire, confined to chimney or flue	4
116 - Fuel burner/boiler malfunction, fire confined	1
118 - Trash or rubbish fire, contained	1
120 - Fire in mobile prop. used as a fixed struc., other	1
122 - Fire in motor home, camper, recreational vehicle	1
131 - Passenger vehicle fire	2
132 - Road freight or transport vehicle fire	1
138 - Off-road vehicle or heavy equipment fire	2
142 - Brush or brush-and-grass mixture fire	3
251 - Excessive heat, scorch burns with no ignition	1
300 - Rescue, EMS incident, other	2
311 - Medical assist, assist EMS crew	1
321 - EMS call, excluding vehicle accident with injury	1063
322 - Motor vehicle accident with injuries	39
323 - Motor vehicle/pedestrian accident (MV Ped)	3
324 - Motor vehicle accident with no injuries.	37
341 - Search for person on land	1
352 - Extrication of victim(s) from vehicle	1
360 - Water & ice-related rescue, other	1
365 - Watercraft rescue	3
400 - Hazardous condition, other	1
411 - Gasoline or other flammable liquid spill	2
412 - Gas leak (natural gas or LPG)	9
422 - Chemical spill or leak	1
424 - Carbon monoxide incident	3
440 - Electrical wiring/equipment problem, other	1
441 - Heat from short circuit (wiring), defective/worn	2
442 - Overheated motor	5
443 - Breakdown of light ballast	1
444 - Power line down	73
445 - Arcing, shorted electrical equipment	4
511 - Lock-out	3
531 - Smoke or odor removal	24
541 - Animal problem	1
542 - Animal rescue	1
551 - Assist police or other governmental agency	8
553 - Public service	9
554 - Assist invalid	27
561 - Unauthorized burning	8
611 - Dispatched & cancelled en route	55
622 - No incident found on arrival at dispatch address	14
631 - Authorized controlled burning	1

651 - Smoke scare, odor of smoke	6
652 - Steam, vapor, fog or dust thought to be smoke	1
700 - False alarm or false call, other	1
710 - Malicious, mischievous false call, other	1
733 - Smoke detector activation due to malfunction	1
735 - Alarm system sounded due to malfunction	1
736 - CO detector activation due to malfunction	1
740 - Unintentional transmission of alarm, other	2
743 - Smoke detector activation, no fire - unintentional	5
745 - Alarm system activation, no fire - unintentional	81
746 - Carbon monoxide detector activation, no CO	10
800 - Severe weather or natural disaster, other	2
813 - Wind storm, tornado/hurricane assessment	2
814 - Lightning strike (no fire)	1

Munson Fire Department: 2023 Incidents

1579

EMS Response by Category or type of Emergency

Runs by dispatch (EMD) Code

Description	#	%
01A01 Abdominal pain	26	2.2
02BO1 Allergic Reaction (Minor or Severe)	4	0.3
04BO3 Assault	4	0.3
05A01 Back pain	6	0.5
06CO1 Respiratory Distress	83	6.9
08BO1 CO Poisoning	2	0.2
09BO1 Card Arrest / DOA	1	0.1
09BO1c DOA / NON-Traumatic	1	0.1
09EO1 Heart Attack	7	0.6
10CO1 Chest Pain	66	5.5
11DOO Choking	5	0.4
12BO1 Convulsions / Seizure	2	0.2
13CO1 Diabetic Issue	10	0.8

17BO3 Fall	211	17.7
17DO4 Fall Injury	1	0.1
17DO4J Fall / NON-Injury	2	0.2
18BO1 Headache	2	0.2
19CO3 Heart Problem / Not chest pain	2	0.2
21BO1 Hemorrhage	2	0.2
21BO3 Laceration / Hemorrhage	1	0.1
23BO1 Overdose	5	0.4
24BO2 Pregnancy	2	0.2
25AO1V Behavior / Psyc – General	1	0.1
25AO2 Suicidal Person / Attempt	7	0.6
26BO1 Sick Person	10	0.8
27BO4 Stabbing / Injured Person / Industrial Accident	16	1.3
28C11 Stroke	24	2.0
29BO1 Traffic Crash – I	126	10.5
30AO2 General Injury / Trauma	1	0.1
30BO1 Laceration	6	0.5
31COO Unconscious / Fainting	4	0.3
32BO2 UNK Prob / Medical Alert	14	1.2
32BO3 Medical	451	37.7
53AO2 Citizen Assist	1	0.1
53BO4 Invalid Assist	18	1.5
53BO5 Welfare Check	7	0.6
65BOO Agency Assist	52	4.4
69DOO Structure Fire	1	0.1

TOTAL

1195

100.00%

EMS Billing Revenue

2023 Medical Transports Totaled 951 Transports



Total EMS incidents were 1134, with 1195 patients evaluated.

86% of the transports were to University Hospitals Geauga Medical Center.

13% of the transports were to Cleveland Clinic Hillcrest.

2% were transported to Lake Health Tripoint or other facilities.

Collection on average of \$329.04 per transport.



As a comparison, 2022 medical transports totaled 997 transports.

Total EMS incidents were 1218, with 1273 patients evaluated.

92% of the transports are to University Hospitals Geauga Medical Center.

7% transported to Cleveland Clinic Hillcrest

1% were transported to Lake Health Tripoint or other facilities.

Collection on average of \$348.98 per transport.

2023 Training Highlights



BC Ferroni attended BLS and ACLS Recerification

BC Ferroni and Chief Vatty trained in QPR (Question, Persuade, Refer) suicide and mental health prevention

Chief Vatty attended Officer 4 at the Univerity of Akron

Joe Wilkinson, Dave Dureiko and Matthew D'Aurellio attended Into the Job in Witchita, Kansas

Lois Danku attended FDTN (Fire Department Training Network) in Indianapolis

Dave Dureiko and Joe Wilkinson attended the Northeast Philly Fire Conference in Phillipelphia

Dave Dureiko and Joe Wilkinson taught at the Smokey Mountain Fire EXPO

Doug Riedel attended FDIC (Fire Department Instructor Conference) in Indianapolis

Munson Fire Department 2023 Training

Local businesses, such as Interstate Towing and Walters Towing, continue to donate vehicles for Munson Fire to practice modern vehicle extrication and live fire suppression efforts. Techniques and stabilization. These critical procedures are continuing to evolve due to modern vehicles and the push for electric hybrid models. This makes for some safety challenges.



Munson Fire Department is proud to announce that throughout the 2023 year, we completed and conducted a total of **3847.25** in-house and professional development hours. Highlights were a paramedic refresher course offered by University Hospitals in January 2023. With the assistance of our medical director, Dr. Andrew Garlisi, Munson was one of the first departments in Geauga County to have all its paramedics trained in RSI (rapid sequence intubation).



Joint Department Trainings

Munson Fire Department also hosted, for the fourth year in a row, a live fire training. This again shows the amazing relationship we share with area businesses like Covia, also known as Best Sand. They donated an acquired structure to conduct live fire training for the Munson Fire Department and surrounding area fire departments.

9/21/2023 Newbury MABAS 4111 Response



Advancement within the Munson Fire Department

Munson Fire Department is proud of the Members, Full-Time and Part-Time, who stepped up and bettered themselves for themselves and the Community.



Munson Fire Department is extremely proud to announce the advancement in EMS certification of one part-time member from Basic-EMT to Paramedic. This is an amazing accomplishment for your hard work and dedication. We are excited to welcome an additional paramedic to the department roster, **Firefighter Paramedic Dalton Hall**.

Fire Inspections

Munson Township is proud to be the home of 93 commercial dwellings that house 137 businesses. These include all types of businesses, such as three nursing homes/assisted living facilities, three schools, several medical office buildings, some manufacturing, and the County Safety Center/Jail, just to name a few.

The Munson Fire Department Fire Prevention Bureau conducted the following fire safety inspections during the 2023 calendar year:



First fire inspections	118
Second fire inspections	46
Third fire inspections	14
Kitchen fire hood suppression testing	35
Fire alarm drills	5
Fire sprinkler testing	24
Lock down drills	2
Home adoption inspections	2
Burn permits issued	173
Fire extinguisher training	9 classes with 91 total attending
Residential Knox box installations	8
Commercial Knox box installations	4



FIRE PREVENTION

The Fire Prevention Bureau strives for 100% compliance in the commercial buildings that we protect. The bureau's main function is to enforce the applicable fire codes that are in place to prevent harm and reduce the severity of fires in public places within Munson Township. The codes utilized are the Ohio Fire Code and the Ohio Basic Building Code.

As stated above, the bureau's kitchen hood suppression tests, fire alarm tests, and fire sprinkler tests are observed and witnessed. Some of these tests are performed yearly, semi-yearly, and quarterly, depending on the occupancy of the building.

The hours dedicated and spent on fire prevention for 2023 were just over 2,100 hours. These hours account for the inspections, phone calls, and meetings with various architects, builders, engineers, and owners to complete the mission.

Our Bureau is headed by Douglas Riedel, CFI, and supported by Chief Mike Vatty. The Bureau is further assisted by the three Battalion Chief's for company inspections. The fire department is very fortunate to have eleven others who are state-certified fire inspectors to assist.

In the year 2023, the township saw a slight increase in township growth, two commercial businesses and several residential dwellings.

The Bureau's other activities also include: Fire Inspector Doug Riedel fire prevention education. Doug attended the following classes:

16 hours Con-Ed fire prevention code updates

8 Meetings/programs of the Norther Ohio Fire Prevention Association

8-hour class on Electric and hybrid Vehicles

7 Geauga County Fire Investigation Meetings

PUBLIC EDUCATION

The Munson Fire Prevention Bureau, along with the fire department personnel, are also responsible for providing fire prevention and life safety programs to the residents and businesses of Munson Township. This was the first time BC Ferroni, along with his shift, conducted CPR and Stop the Bleed classes for Notre Dame Cathedral Latin's facility, training staff and faculty.

Some of the other activities included: residential and commercial Knox Box Program, CPR training, Vial of Life program, smoke detector program, carbon monoxide detector program, fire safety classes at the elementary schools, community days, Township Flee Market, Munson Fishing Derby, fire department Halloween drive-through, truck or treat parties, and block parties.

Fire Prevention Accomplishments

There were major accomplishments made during the year. One addition was the electric car charging station requirements for the township. In conjunction with the Munson Zoning Inspector and the Township Zoning Commission, items were added to the Township Zoning regulations for their installation. In addition, all solar panels that are applied for and granted by the zoning inspector are now recorded and entered in our county CAD dispatch system. Now our responding units are aware of their presence and their disconnect procedures. A Stop the Bleed class and a CPR class were conducted for the members of the Munson Road Department. The road department is now equipped with the essential equipment and trained to handle initial lifesaving procedures. Munson Township Trustees also purchased for the road department two external defibrillators compatible with our equipment.



Fire Prevention Plans for 2024

Three years ago, a Citizen's Fire Academy was planned. This would have been a series of six weekly classes. This was designed to educate the residents of Munson about what 'THEIR' fire department is all about. The citizens fire academy would include lectures and practical drills Munson Fire personnel perform. We are looking forward to scheduling this event.

The Munson Fire Prevention Bureau is responsible for providing fire prevention and conducting life safety education programs. Some of this training includes fire safety classes, CPR training, Stop the Bleed, the Vial of Life program, a smoke detector program, a carbon monoxide detector program, and Knox Box programs. Munson Fire Department also provides and participates in Community Days, Trunk or Treat, block parties, and hosts a Halloween event for the community.

Current Apparatus Fleet (Year of expected replacement)

4022 2015 Sutphen Pumper, 1,000 gallons of water, 1500 GPM Pump, (2035)

4033 2022 Midwest Freightliner Tanker, 2,000 gallons of water, 1500 GPM pump, (2042)

4044 2016 Sutphen 70" Aerial, 500 gallons of water, 1500 GPM pump, (2036)

5054 2019 AEV Freightliner Medium Duty Rescue (2027)

5056 2021 AEV Freightliner Medium Duty Rescue (2029)

4082 2021 GM 2500 Utility Pick Up (2031)

4088 2011 Chevrolet Tahoe Utility (2027)

4095 2010 F 250 4x4 Utility Pick Up

Pump Test and Ladder Tests

All fire apparatus was maintained to 1901 NFPA standards; recent changes in the ladder test vendor indicated several ground ladders that needed attention to pass and comply with the standards. These were simple safety-related items, such as stickers and heat labels, that were expiring; all have been replaced and passed. Ladder testing, including the aerial 4044, was performed by The Aerial Guy out of Akron, Ohio. All Munson Fire Department fire pumps were tested to NFPA 1901 standards and passed by a new vendor; other area departments have used D and T Fire Services also.



Major Vehicle Repairs Performed

During 2023, both 4022 and 4044 required repacking of the fire pump. This is a wearable item that was adjusted out of its normal range. The pump packing is a sensitive seal that is lubricated by water and adjusted to allow the pump to create a vacuum and draft water. Other than these repairs, no other extensive vehicle repairs were needed. Normal repairs were routine repairs such as tires, annual preventative maintenance, and lights.

Vehicle Replacement



Following our vehicle replacement schedule, the next vehicle for replacement is 4054. This is an AEV medium-duty rescue squad. Currently, a 1998 with miles. Typically, these rescues cost around \$250,000 to replace. The current market value for replacement is \$330,000. These are bought on a five-to-seven-year lease to purchase program paid out of EMS collections revenue. Our plan is to extend this to eight years and investigate the refurbishment and chassis of the patient compartment.

Burton Fire is now performing this on one of their vehicles and we are looking to see the outcome. Financially, this can be done for under \$180,000, making this a worthwhile viable option.

Ohio Department of EMS Grant

Munson Fire Department was awarded \$3,279.68 from the Ohio Department of Public Safety, Division of EMS (ODPS EMS). This is funded by the State of Ohio with funds generated from seat belt tickets written across the state and disbursed to agencies applying for the grant. This \$3,279.68 is significantly more than received the



previous year. State funding during COVID years was significantly cut. Now, this amount is back in line with trending years for replacing non-disposable equipment with grant funds.

Munson Fire Department also received two ventilators from University Hospitals. These ventilators are more advanced than our older demand ventilators we were using. Heather Hill Communities respirator department provided the training in the advanced use and maintenance for these units. The new units can provide CPAP (continuous positive airway pressure), BIPAP (bilevel positive airway pressure) and assist with ventilations to an unconscious patient who is or is not breathing on their own.

Capital Improvements for 2024

Current Life Pak 15 cardiac monitors are beyond their service life. The manufacturer no longer supports their annual maintenance contracts or any serviceability. Parts for these units have become obsolete. During 2024, we are looking to apply for grants to upgrade and replace these two life-saving devices. Current pricing per unit is more than \$45,000 each. These devices are essential for the current standard of care and service level expected by Munson Township residents and the care provided and supported by University Hospitals. Newly upgraded cardiac monitors should have a service life of fifteen years and provide state-of-the art supportive cardiac care.

Munson Fire Department is researching a safety grant with the Ohio Department of Transportation. The grant is a safety grant for providing trauma care and minimizing responses on our roadways. The grant would apply for preemption at the following intersections in the Township: The intersection of Bass lake and Mayfield, the Mayfield and Ravenna intersection, and possibly several other intersections out of Munson Township are affecting the response times to the University Hospitals Geauga Emergency Room.

Capital Building Improvements for 2024

Munson Fire Department last year met with Guardian Security to establish and price out a fire detection system in the fire station and Munson Town hall. After several conversations and plans were submitted, it was never followed through. Hopefully, we can bring this topic back to the drawing table to provide continuity for our services to the Township.