

Munson Fire Department



2022

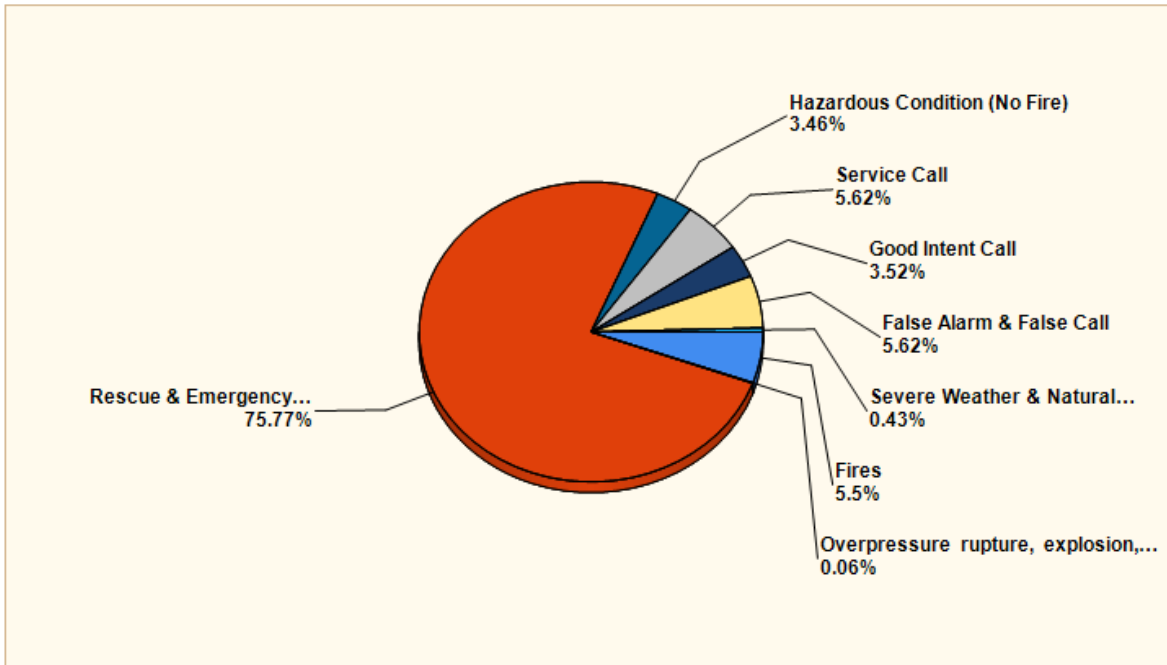
ANNUAL REPORT



The Munson Fire Department has grown from a volunteer fire service in 1952, to a combination full-time and part-time department of 25 members. 2022 was a monumental year. Today, Munson Fire Department provides a variety of emergency and non-emergency services. These personal services are what makes the community and the relationship with Munson Fire Department personal. Munson Fire Department provides an exceptional service. Munson Fire Department has scaled down its fleet throughout the years to provide cost savings and value to our residents. Preventative Maintenance programs on our fleet have been tweaked for financial savings and to minimize out of service time. Training continues to provide and move Munson Fire Department to a professional level.

The mission of the Munson Fire Department is to protect life and property within the limits of Munson Township, by providing fire, emergency medical services, and public assistance. To operate a safe, well organized, managed structure which shall treat all members fairly, and with the highest respect for serving the community.

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, 1 % of total automatic aid responses Munson received were confirmed fires.

Automatic Aid Responses Given by Munson Fire Department – 116 times in 2022, 7.2 % of Total Incidents, Mutual Aid and Automatic Aid of which Munson Fire responded to, 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 – 24 times, 1.5 % of Total Incidents.

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

Detailed Breakdown by Incident Type

INCIDENT TYPE	# INCIDENTS	% of TOTAL
111 - Building fire	56	3.46%
113 - Cooking fire, confined to container	4	0.25%
114 - Chimney or flue fire, confined to chimney or flue	5	0.31%
116 - Fuel burner/boiler malfunction, fire confined	1	0.06%
118 - Trash or rubbish fire, contained	3	0.19%
121 - Fire in mobile home used as fixed residence	1	0.06%
131 - Passenger vehicle fire	2	0.12%
132 - Road freight or transport vehicle fire	1	0.06%
137 - Camper or recreational vehicle (RV) fire	1	0.06%
138 - Off-road vehicle or heavy equipment fire	1	0.06%
140 - Natural vegetation fire, other	2	0.12%
141 - Forest, woods or wildland fire	3	0.19%
142 - Brush or brush-and-grass mixture fire	4	0.25%
151 - Outside rubbish, trash or waste fire	2	0.12%
162 - Outside equipment fire	1	0.06%
171 - Cultivated grain or crop fire	1	0.06%
173 - Cultivated trees or nursery stock fire	1	0.06%
222 - Overpressure rupture of boiler from air or gas	1	0.06%
300 - Rescue, EMS incident, other	4	0.25%
311 - Medical assist, assist EMS crew	5	0.31%
321 - EMS call, excluding vehicle accident with injury	1128	69.72%
322 - Motor vehicle accident with injuries	37	2.29%
323 - Motor vehicle/pedestrian accident (MV Ped)	6	0.37%
324 - Motor vehicle accident with no injuries.	38	2.35%
341 - Search for person on land	1	0.06%
342 - Search for person in water	1	0.06%
354 - Trench/below-grade rescue	1	0.06%
355 - Confined space rescue	1	0.06%
360 - Water & ice-related rescue, other	1	0.06%
361 - Swimming/recreational water areas rescue	1	0.06%
381 - Rescue or EMS standby	2	0.12%
411 - Gasoline or other flammable liquid spill	1	0.06%
412 - Gas leak (natural gas or LPG)	14	0.87%
413 - Oil or other combustible liquid spill	2	0.12%
422 - Chemical spill or leak	1	0.06%
424 - Carbon monoxide incident	3	0.19%
440 - Electrical wiring/equipment problem, other	1	0.06%
442 - Overheated motor	3	0.19%
444 - Power line down	25	1.55%
445 - Arcing, shorted electrical equipment	6	0.37%
522 - Water or steam leak	3	0.19%
531 - Smoke or odor removal	10	0.62%
542 - Animal rescue	1	0.06%
550 - Public service assistance, other	1	0.06%
551 - Assist police or other governmental agency	15	0.93%
552 - Police matter	1	0.06%

553 - Public service	7	0.43%
554 - Assist invalid	48	2.97%
561 - Unauthorized burning	5	0.31%
600 - Good intent call, other	1	0.06%
611 - Dispatched & cancelled en route	41	2.53%
621 - Wrong location	1	0.06%
622 - No incident found on arrival at dispatch address	6	0.37%
631 - Authorized controlled burning	1	0.06%
651 - Smoke scare, odor of smoke	6	0.37%
652 - Steam, vapor, fog or dust thought to be smoke	1	0.06%
700 - False alarm or false call, other	1	0.06%
710 - Malicious, mischievous false call, other	1	0.06%
711 - Municipal alarm system, malicious false alarm	3	0.19%
713 - Telephone, malicious false alarm	1	0.06%
735 - Alarm system sounded due to malfunction	1	0.06%
736 - CO detector activation due to malfunction	1	0.06%
741 - Sprinkler activation, no fire - unintentional	3	0.19%
742 - Extinguishing system activation	1	0.06%
743 - Smoke detector activation, no fire - unintentional	13	0.8%
745 - Alarm system activation, no fire - unintentional	61	3.77%
746 - Carbon monoxide detector activation, no CO	5	0.31%
800 - Severe weather or natural disaster, other	5	0.31%
812 - Flood assessment	1	0.06%
813 - Wind storm, tornado/hurricane assessment	1	0.06%
TOTAL INCIDENTS:	1618	100%



2022 Total MVA's in Munson Township - 80 Incidents

With injury, 42 requiring transport

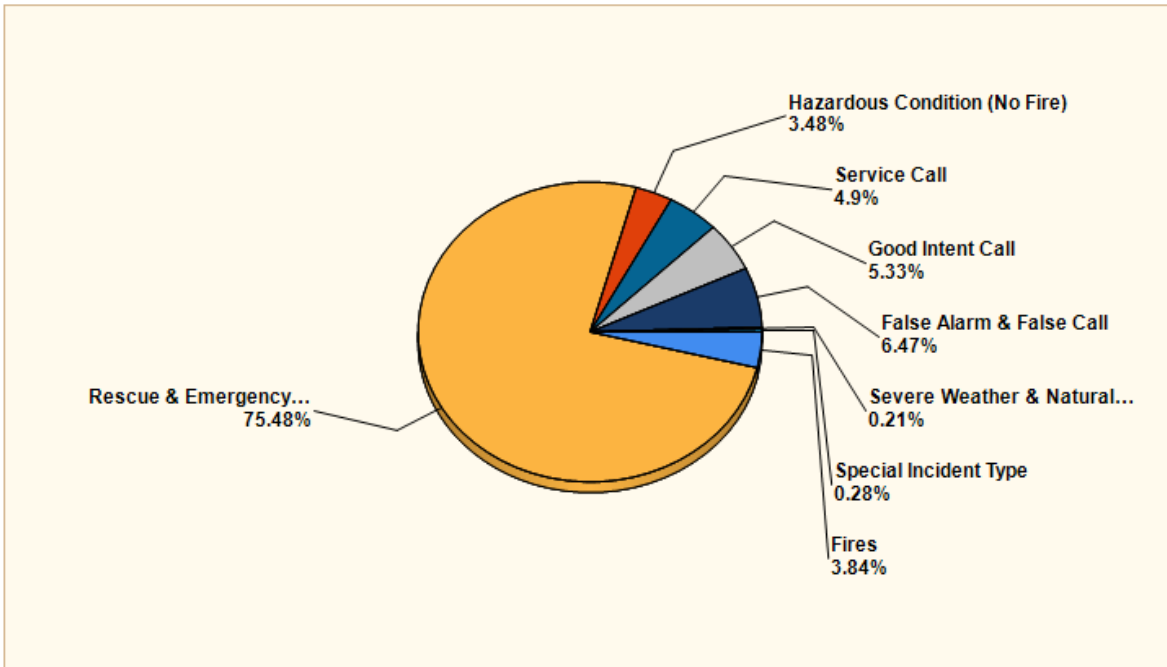
Non injury, 38 no transport required

MVA's Requiring Extrication and Disentanglement 3

2022 Overlapping Calls 269, causing a 17 % of overlapping calls in 2022

2021 Overlapping Calls 231, causing a 17 % of overlapping calls in 2021

2021 Responses



MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	54	3.84%
Rescue & Emergency Medical Service	1062	75.48%
Hazardous Condition (No Fire)	49	3.48%
Service Call	69	4.9%
Good Intent Call	75	5.33%
False Alarm & False Call	91	6.47%
Severe Weather & Natural Disaster	3	0.21%
Special Incident Type	4	0.28%
TOTAL	1407	100%

Automatic Aid Responses Received by Munson Fire Department - 28 times in 2021, 2.6 % of Total incidents, of which 3 incidents were confirmed fires in a structure, 1% of total automatic aid responses were confirmed fires.

Automatic Aid Responses Given by Munson Fire Department – 73 times in 2021, 5.3 % of Total Incidents, of which Munson fire responded to 37 were confirmed fires or fires in a structure, 50 % of Automatic Aid responses given.

Mutual Aid Responses Received by Munson Fire Department – 32 times, 2.2 % of Total Incidents, 15 were for Medical Incidents 6 of which were MVA’s.

Mutual Aid Responses Given by Munson Fire Department - 70 times, 5.0 % of Total Incidents.

EMS Billing Revenue

2022 Medical Transports Totaled 997

92 % of the Transports were to University Hospitals Geauga

7 % of the transports were to Cleveland Clinic Hillcrest

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

Collection on average of \$ 328.39 per transport.



As A Comparison 2021 Medical Transports Totaled 906



90 % of the transports to University Hospitals Geauga

9 % Transported to Cleveland Clinic Hillcrest

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

Collection on average of \$ 322.30 per transport.

2022 Training Highlights



Munson Fire Department partnered with the Ohio Fire Academy to bring quality training to Munson. Last year, Munson hosted the Ohio Fire Academy Emergency Vehicle drivers Simulator, the Ohio Fire Academy Search and Rescue Trailer and the Ohio Fire Academy Grain Bin Simulator. This training was not only made available to Munson Fire Department but, Russell, Chester Township, Chardon, Burton, Middlefield and Hambden Fire Departments were amongst the participants. This training is provided at no cost by The Ohio Department of Commerce and Ohio State Fire Marshall's Office.



Pictures of Grain Bin Highlights



Munson Fire Department Training



Local businesses, Interstate towing and Walters Towing continue to donate vehicles for Munson Fire to practice modern vehicle extrication techniques and stabilization. This is a critical procedure that is continuing to evolve, modern vehicles and the push for electric hybrid models make for some safety related challenges.



Amazing Achievement

Munson Fire Department is proud to announce that throughout the 2022 year we completed and conducted a total of **3948** Training hours. This is 233 Hours more than the previous year. This shows dedication to the job and the desire employees have to make Munson Fire Department the best in every regard.

Joint Department Trainings

Munson Fire Department was again honored to host a verity of trainings and make them available to our surrounding Fire Departments. These included The Ohio Fire Academy Grain Bin Rescue trailer, Drivers Simulator and Search lab. These are all training conducted by the Ohio Fire Academy and OFA Instructors. Firefighters have the unique oppourtunity to get firsthand experience and training with specialized topics.

Munson Fire Department also hosted for the third 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 trainings for Munson Fire Department and surrounding area fire departments us.

Perry Nuclear Power Plant was required to hold a graded exercise and training at NDCL Highschool in 2022. This is a training to practice the response and set up conducted by Munson Fire Department for a Nuclear Power Plant Release and Emergency Decontamination and Shelter Area. This is a tedious review

both table top and hands on of the response designated to Munson Fire Department Standard Operation Procedures of a Nuclear event at the Perry Power Plant.



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 members from Basic-EMT to Paramedic. This is an amazing accomplishment for the hard work and dedication. We are excited to welcome an additional Paramedics to the Department roster, **Firefighter Paramedic Lauren Frank**.

We look forward to another successful year within the training division. We are always looking to better ourselves through continuing our education and professionalism

Fire Inspections

Munson Fire Department Fire Prevention Bureau conducted the following Fire Safety Inspections for the 2022 year:



First Inspections: 71
Second Inspections: 48
Third Inspections: 12
Kitchen Hood Suppression Tests: 24
Fire Alarm Tests: 21
Sprinkler System Tests: 23
Fire Drills: 6



Fire Extinguisher Class Demonstrations with Hands On: 6 (68 Trainees)

Public Education Classes in the schools: 2 Munson Elementary, Notre Dame (141 Students)

Lock Down Drills: 2

2022 Burn Permits: 171

Home Adoption Inspections: 2

Commercial Knox Box Installations 2

Resident referrals to the Geauga County Department of Aging 3

Fire Prevention is aiming for 100 % of compliance of the 91 commercial buildings 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 bureau witness's kitchen hood suppression tests and fire alarm test. Also, public education programs are conducted for fire extinguisher classes and fire drills are observed and timed for efficiency and improvement.

Fire Inspector (FSI) Douglas Riedel heads up the Bureau. Assisting is Chief Vatty along with the three shifts conducting shift inspections and pre-incident planning under the direction of their officers. The department is very fortunate to have increased to eleven others certified fire inspectors in 2022.

During 2022, Fire Inspector Riedel with the assistance of other Munson Inspectors logged 2,254 hours in fire prevention activities alone. There are 91 commercial buildings in Munson Township. In these 91 buildings, Munson Township has 131 individual business or occupancies that are inspected.



Munson Township last year added two new businesses on the Mayfield Road corridor. More development and growth is expected at Junction Auto Body and at the Ohio Department of Transportation garage. These buildings require plan review, inspection during the construction phase, initial occupancy inspection and annual inspections for fire and life safety compliance.

One planned activity this year is the Citizens Fire Academy. This was planned three years ago but was put on hold due to Covid restrictions. This is designed for residents to learn and participate in what Munson Fire Department does, how it performs and how were funded for the operations it provides.

Future incident preplanning should be seen in 2023 with the future zoning requirements for electronic charging vehicle stations. Currently, the Ohio Fire Code does not address electric vehicle charging stations. With zoning restrictions, Munson Township will be able to require specific safety requirements and enforce them.

Munson Fire Department has tracked and made responses safer for buildings in Munson Township utilizing Photovoltaic panels. All establishments have been located and are alerted thru the Geauga County Dispatch System. Munson Fire Department units and other mutual aid units will be alerted to the use and presence at any Munson property.

Munson Fire Prevention Bureau is responsible for providing fire prevention and conducting life safety education programs. Some of this training is fire safety classes, CPR training, Stop the Bleed, Vial of Life program, smoke detector program, carbon monoxide detector program, 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.

Pump Test and Ladder Tests



All fire apparatus were maintained to 1901 NFPA standards; recent changes in the ladder test vendor indicated several systems that needed attention in order to pass a five-year nondestructive test. The work was performed by Underwriter Laboratories Inc. All fire apparatus pumps were tested by Ohio Caterpillar Mobile Pump Testing. All passed and exceeded NFPA 1901 standards.

Major Vehicle Repairs Performed

Engine 4022 is a 2015 pumper; it's powered by a Cummins motor. This vehicle required extensive repairs last year. Some of those repairs included a radiator, EGR cooler and a cylinder head replacement from a cracked head. 4044 also experienced some expensive repairs. Requiring a head gasket and motor work done at Cummins of Hubbard. Both these vehicles have and utilize the same power train.

4033 removed from Service

Over the last two years 4033 a 2002 KME Pumper / Tanker has had major deficiencies noted. In July of 2022, a decision to remove 4033 from service due to safety reasons. During the annual inspections four years ago, frame jacking was occurring. The housing of the pump rusted through this year, physically putting a hole in the cast steel. The steering box also had an excessive leak. Luckily Chester Township trustees and Chief William Shaw allowed Munson Fire Department to borrow an extra tanker they own. This is a great benefit working with and having good relationships with neighboring officials and departments.



Ohio Department of EMS Grant

Munson Fire Department was awarded \$ 710.30 in June of 2022 from the Ohio Department of Public Safety, Division of EMS (ODPS EMS). This is funded from the State of Ohio with monies generated from seat belt tickets written across the State of Ohio and dispersed to agencies applying for the grant. This \$710.30 is actually significantly less than previous years. This is still due to less traffic enforcement and ticketing. The funds received were used to replaced existing medical bags.

Capital Building Improvements for 2022

During 2022, front entry flooring to the fire station and decontamination area were replaced. Modern products should provide years of life to these areas and make it easy to clean and decontaminate.

Capital Apparatus Improvements for 2022



Munson Fire Department took delivery of the new 4033. This vehicle is a 2,000-gallon tanker, it replaces a 2500-gallon pumper / tanker that cost \$600,000 over twenty years ago. The new vehicle took longer to get than expected due to supply chain issues. The vehicle provided a cost savings to the community. The vehicle has proven its worth at several fires for its smaller design and maneuverability. At a cost of \$365,000, several other surrounding communities are looking to buy this same truck to add to their fleet. During 2023, Munson Fire department is planning no capital apparatus purchases.

Capital Building Improvements for 2023

Munson Fire Department will look into and seek a fire station upgrade for fire detection and notification. Instances across the United States have documented where fire stations have burned down or had a kitchen fire while handling an emergency. To provide for the needs of the community and the safety of Munson firefighters we need to have a monitored hardwired fire detection system. Even if the vehicles are insured, build times on fire apparatus can be two years. Installation of the detection system would ensure safety to our residents along with business continuity.