



MILTON TOWNSHIP FIRE DEPARTMENT

2022 ANNUAL REPORT



MESSAGE FROM THE FIRE CHIEF

It is my pleasure to present to you the Milton Township Fire Department's 2022 annual report. On behalf of the entire department staff, we thank you for your continued support throughout the year. Our roster is filled with dedicated individuals who are committed to enhancing the safety and the quality of life for the community. These individuals dedicate their time and effort to drop what they are doing at a moment's notice to help those in need. These individuals are true hero's in every aspect and I thank them for the hard work and dedication throughout the year. This report cannot possibly capture all of the individual efforts throughout the year, but it does represent an overview of the department's accomplishments for 2022.

As you will read, in 2022 the department responded to 124 calls for service which is a decline of 14 incidents from 2021. Service related incidents accounted for 78% of the department responses, Rescue incidents accounted for 13%, and Fire incidents accounted for 9% of the department responses for the year.

The community outreach programs that the department offers continue to be well received throughout the community. We are grateful that the community has been participating in these programs. We appreciate the community doing their part in promoting public safety within our Township.

This year we saw all of the Fire Departments and EMS agencies within the County utilize a new 800 mhz radio system. All agencies will be transitioning over to this new system as training takes place. The current VHF (high band system) will remain as a back up as some agencies within the County have coverage issues due to topography.

Most agencies were offered to join Michigan MABAS (Mutual Aid Box Alarm System) to enhance their resources available to them when an incident requires more resources or specialized resources beyond a department's capacity. With agencies staffing levels on the decline, this is a great way to be able to help each other out in times of need.

As a department we are having to make adjustments to our operations due in part to the staffing issues that we are facing. We are trying to do more with less and having to look at alternative solutions to help our staff continue to provide the best service we can to our community.

I am very proud of the staff of this department and the time and dedication these fine men and women put into this department. The staff are committed to the departments mission of minimizing loss of life, extinguish fires, promote general fire safety through public education, and protect property.

We are proud to be your fire department and we stand ready to serve the community. I look forward to hearing from you if you have any thoughts or ideas on how we can serve you better. Please contact me at 231-264-6694 or at miltontwpfd@gmail.com.

SINCERELY,

*Jeremy Ball,
Fire Chief*

M.T.F.D Mission

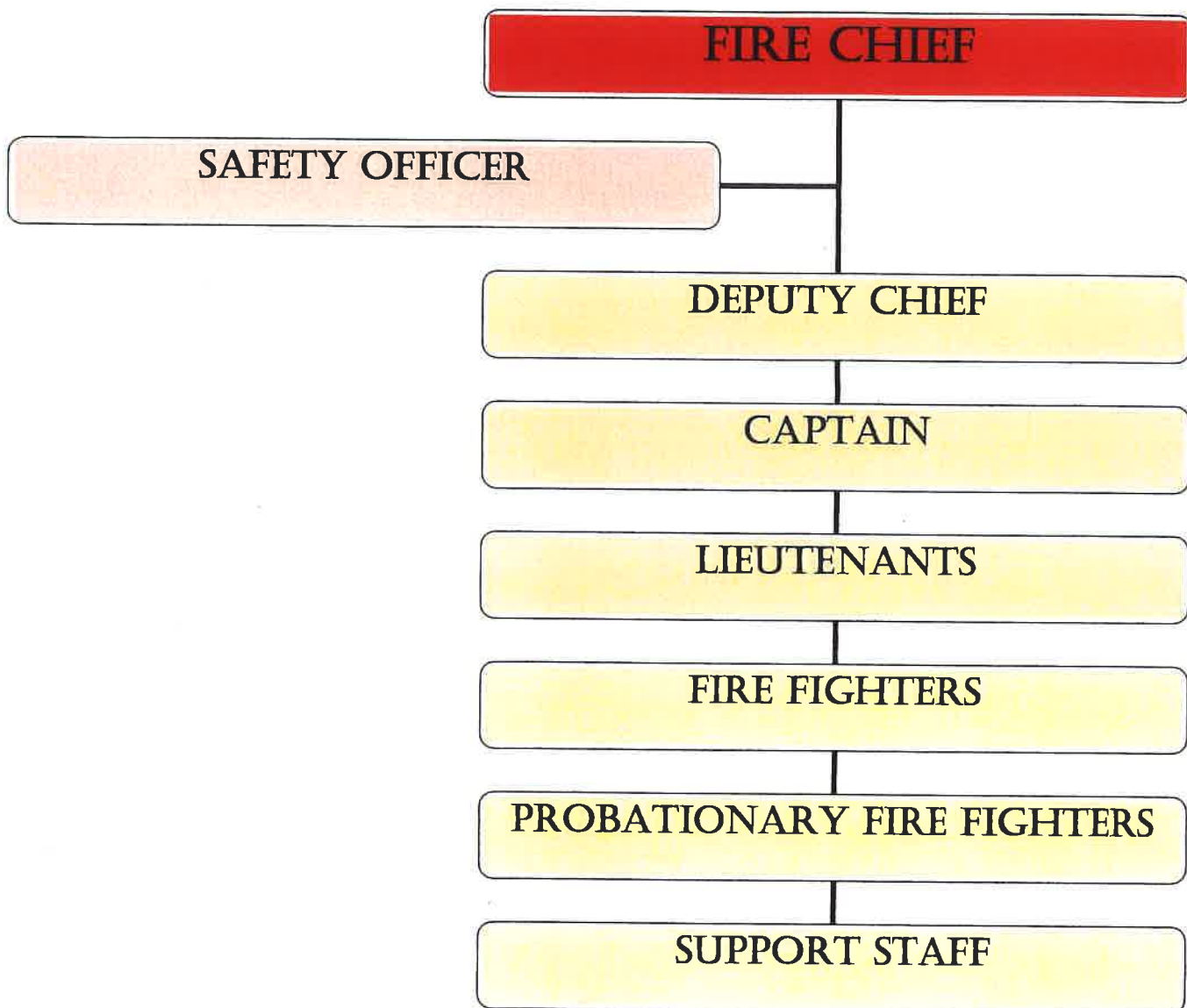
The mission of the Milton Township Fire Department is to minimize loss of life, extinguish fires, promote general fire safety, and protect property under the provisions of Public Act 207.

The members of the Milton Township Fire Department will accomplish our mission through prevention, fire suppression, code enforcement, rescue skills, pre-planning, and other related emergency and non-emergency activities. We will actively participate in our community, serve as role models, and strive to effectively and efficiently utilize all of the necessary resources at our command to provide the highest level of service to our township residents.

M.T.F.D CORE VALUES:

The Milton Township Fire Department believes that pride, the pursuit of excellence, and commitment to public service is important. The department strives through active leadership to develop new knowledge and concepts for a progressive department. The department values a creative and proactive department. The Milton Township Fire Department is professional in all of its actions. Our value to the community will be measured in the type and quality of services provided. It will be the policy of the Milton Township Fire Department to operate with the highest levels of safety for all fire department personnel.

Fire Department Organizational Chart



FIRE STATION #1**7015 CAIRN HWY****BUILT IN 1982**

Fire Station #1 was built in 1982 and is located at the intersection of Cairn Hwy and Indian Roads. Station #1 is home to Fire Administration and is home to the following apparatus: Engine, Tanker, Rescue, Mini Pumper and ATV.

FIRE STATION #2**12105 CHERRY AVE.****BUILT IN 2001**

Fire Station #2 was built in 2001 and is located on Cherry Ave east of Chippewa Trail in the Southern half of the Township. Station #2 is home to the following apparatus: Engine, Pumper/Tanker, and Water Supply.

Fire Apparatus



99-ENGINE 1 – 2017 SPARTAN RESCUE PUMPER

1500 gallon per minute pump, 1000 gallon water tank. 30 gallons Class A / B foam tank. 4 SCBA, Gas Monitor, Thermal Imaging camera, LED light tower, Scene Lighting, Vent saw, Chain saw, deck gun, full compliment of rescue extrication equipment. Positive pressure fan, exhaust fan, 800 ft. of large diameter hose, 1,350 ft of 2.5 hose, 800 ft of 1.75 hose.

This unit responds first out on all fires and vehicle accidents.



99-TANKER 1 – 2010 KENWORTH TANKER

2300 gallon water tank, 2 – 2500 gallon drop tanks, 2 – Zico power drop tank holders, Class A / B foam, a portable pump and miscellaneous fire fighting equipment.



99-RESCUE – 2008 FORD F350 – UTILITY

This unit serves as a utility vehicle. This unit responds to a variety of incidents including Water / Ice rescue calls, EMS assists, tree down and line down calls. Serves as a rehab unit, traffic control unit, incident command unit during long incidents. Carries a wide variety of equipment.

Fire Apparatus



**99-MINI PUMPER - 2006 FORD F550 4X4
MINI PUMPER**

500 gallon per minute pump, 200 gallon water tank, 20 gallon Class A / B foam tank, Compressed Air Foam System (CAFFS), 5000 watt Generator, Wild Land Interface equipment, 600 feet of 1 inch forestry hose, 200 ft. of booster hose, 500 ft. of 1.75 inch fire hose, 350 ft. of 2.5 fire hose. This unit has a pump and roll feature.

****This unit responds first out on grass / brush fires, trees down, lines down, hauls the ATV, as well as a variety of other incidents.****



99-ATV - 2009 POLARIS ATV

95 gallon per minute pump, 75 gallon water tank, Class A / B foam, 220 feet of 1 inch forestry hose, has pump & roll capabilities. This unit also carries a stokes basket to transport patients for EMS when they are in remote areas. This unit also carries personnel to areas where apparatus cannot get too.

Fire Apparatus Station 2



**99-ENGINE 2 - 1993 PIERCE
INTERNATIONAL PUMPER**

1250 gallon per minute pump, 500 gallon water tank, 12 gallon Class A / B foam tank, 4 – SCBA'S, ventilation equipment, Gas Monitor, Thermal Imaging Camera, and various tools and equipment. 900 feet of 4 inch supply hose, 850 feet of 2.5 inch fire hose, 750 feet of 1.75 inch fire hose.



**99-TANKER 2 - 2003 KENWORTH
PUMPER / TANKER**

1000 gpm pump, 2000 gallon tank. 1 – 2500 gallon drop tank. 200 ft of 1.75 hose, 200 ft of 2.5 hose. various other equipment.



**99-WATER SUPPLY - 1974 CHEVY ¾ TON 4X4
WATER POINT TRUCK**

1400 gallon per minute pump. This unit is the water supply truck that sets up at or near lakes, dry hydrants and underground tanks to draft water to fill tankers. This unit responds to structure fires and a variety of other equipment. This unit does respond to mutual aid areas to fill tankers when needed.

ANNUAL SERVICES:

- Annual Maintenance and DOT inspections on all apparatus.
- Annual maintenance checks on all of the department fire extinguishers.
- Hose and Ladder testing. We had 10, 000 feet tested of various sizes 1.5 inch, 2.5 inch and 4 inch. We had 3 lengths of 2.5 hose and 1 length of 4 inch large diameter hose fail testing. We had 156 ft of ladders tested with no failures. Our ladder sizes range from 10, 14, and 24 feet.
- Annual pump maintenance and pump testing.
- Annual tool maintenance on all of our extrication rescue equipment.
- Annual flow testing to all self- contained breathing apparatus and masks.
- Hydro testing of air bottles which is required every five years.
- Annual Gear inspections was performed on structural personal protective equipment and wildland / rescue personal protective equipment, and nomex hoods, gloves, and boots by staff.
- PPE washed at station 2 over the course of the year.
- Annual Driving Records on staff
- Annual Medical Physicals on staff
- Annual background checks on staff

Staff of the Milton Township Fire Department.

At the end of year the year our roster is 11. There are 8 certified fire fighter's, and 3 support staff.

Andrea Albert	Fire Fighter	Secretary / Treasurer
Jeremy Ball	Fire Fighter	Fire Chief
Kevin Ball	Fire Fighter	Captain
Larry Ball	Fire Fighter	Association President
Dan Butler	Fire Fighter	Deputy Chief
Jeff Dawson	Support Staff	Association Vice President
Nate McGuire	Support / Non certified	
Matt Rainey	Fire Fighter	
Phil Vandenberg	Fire Fighter	
Justin Walkowiak	Fire Fighter	
Toby Way	Support Staff	

Fire fighting Experience of Staff Members

less than one year experience:	0 members
1 – 5 years experience:	2 members
6 – 10 years experience:	4 members
11 – 15 years experience:	3 members
16 – 20 years experience:	1 members
21 and over years of experience:	1 member

Age Range of Staff:

19 and Under:	0	20-29:	1	30-39:	3	40-49:	4
50-59:	1	60-69:	0	70 and Over:	2		

Fire Training Program

Below is a breakdown of the departments hours for the year:

	<u>2022</u>
Total Training Hours:	512.25 hours
Classes:	54 hours
Meetings:	222.25 hours
Maintenance:	349.75 hours
Dept. Details:	304.25 hours
Admin Hours:	932.25 hours
Total Hours:	2374.75 hours

	<u>2021</u>
Total Training Hours:	617 hours
Classes:	31.5 hours
Meetings:	284.25 hours
Maintenance:	332.5 hours
Dept. Details:	414.5 hours
Admin Hours:	993.25 hours
Total Hours:	2627 hours

The department trained in several topics: Pump operations, tactical set ups, water supply, chain saw operations, ventilation, ladders, ropes & knots, wildland, search and rescue, RIT, SCBA, utilities, tools and equipment, apparatus driving, incident command and radio operations, hazmat, fit testing, blood borne pathogens training, extrication, ice rescue, water rescue and various other departmental trainings.

Firefighters are required to become certified Firefighter I and/or II by the State of Michigan, plus receive Hazardous Materials training. Once all this is complete, all newly hired firefighters go through a probationary training period where they learn our procedures, techniques, equipment, apparatus, streets, and other skills.



Public Safety Programs

Knox Box Program

The department recognized the need for a secure key box for commercial businesses and for residential use within the Township. The department began the Knox Box program in 2014. The Knox Rapid Entry System and Knox HomeBox provides fire department entry to a home or business in an emergency. With one master key, the department can gain access minimizing damage, wait time for a key holder and may reduce insurance premiums. The Knox System includes UL listed lock boxes. Property owners can store entrance keys, access cards, floor plans, and any hazardous information in a high security Knox Box Key box mounted near the building entrance. Please check out the website at www.knoxbox.com

With the Knox System there is no waiting period for a property owner or key holder to unlock the door in the middle of the night, or have fire personnel force entry to a residence. The Knox Rapid Entry System reduces response time, property damage, and liability.

There were no Knox Boxes installed within the township for the year. We currently have a total of 17 Knox Boxes in use within the Township.

Commercial Business - 4 in use

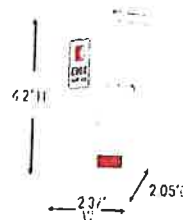
- Milton Township Hall 7023 Cherry Ave
- Historic Milton Township Hall 7268 Caim Hwy
- Torch River Party Store 12398 Cherry Ave
- Fabiano's on the River 7711 Crystal Beach Road



Residential or Commercial
Use

Residential Use – 13 in use

- Juniper Drive – 3 Homes
- E Elk Lake Drive – 1 Home
- Fairlane Drive – 1 Home
- North West Torch Lake Drive – 1 Home
- Elk Tip Drive – 1 Home
- South West Torch Lake Drive – 1 Home
- Morlen Drive – 2 Homes
- Mackenzie Drive – 1 Home
- Winters Road – 1 Home
- Birch Lake Road – 1 Home



Residential Home Box

Public Safety Programs Continued,

Smoke Alarm Program



In 2011, the department started a smoke alarm program with the goal of ensuring that every home in Milton Township would have a minimum of three working smoke alarms. The recommendations are to have one alarm on each level of the home, one in each sleeping area of the home such as a bedroom. The department will provide alarms to anyone within the township in need of them.

This year we provided 4 smoke alarms to one home that did not have any alarms. Since inception of the program we have provided 145 smoke alarms to residents of the Township.

We encourage everyone to change the batteries in their smoke alarms every six months. Please check the manufacturer's date on the alarm, if your alarm is 10 years old or older it is recommended that they be replaced this applies to hardwired smoke alarms. Check your carbon monoxide alarms as well.

Reflective "911" Address Sign Program



"We can't help you... if we can't FIND you!"

Every second counts during a fire, police or medical emergency. Valuable time can be lost if your house number is not clearly posted where emergency responders can see it. Police officers, Fire fighters, and EMS responders can't provide lifesaving services to you and your family if they cannot find your house. The Department is offering to provide you with or install a highly-visible reflective sign in order for responders to locate your residence, potentially saving time....and lives!

This year the department provided 17 signs to our community residents. All 17 signs were made with numbers displayed vertically, 2 were delivered and installed and 15 were picked up by residents and installed on their own. The department does have a \$10 fee for a sign to help offset costs. The department has provided a total of 149 signs to Township residents.

Public Safety Information

HELP FIRE FIGHTERS REACH YOU

You are the first line of defense when it comes to helping your home survive a fire. To enable emergency apparatus to locate and reach your residence quickly, it's important to establish a safe route with adequate driveway access. The following steps will help you prepare for emergency access that could make all the difference in reducing property damage during a fire or other emergency event.

- Position your reflective address sign so it is visible from the road from either direction and cut back vegetation around the sign.
- Clear trees, branches, or brush from your driveway so it is at least 10 feet wide with a vertical clearance of at least 10 feet to allow fire trucks access.
- Ensure your driveway's surface is firmly packed and can support the weight of emergency vehicles even in the spring when the ground is soft.
- Remove gates, fence posts, or other obstructions that could restrict access.
- Create space at the end of your driveway with adequate room for an emergency vehicle to turn around once it reaches your home.
- Keep your driveway plowed out during the winter months.

Fire fighter's Association

The following members held Association positions for 2022. The Association positions are voted on by department staff.

Association President:	Larry Ball
Association Vice President:	Jeff Dawson
Secretary:	Andrea Albert

The following outlines the accomplishments of the Association for the year.

- April 30th – during the first “junk” day collection, staff were out collecting for MDA – during the Fill the Boot campaign. The department raised \$1,330.00.
- May – honored Captain Tim Tilley whom retired in December 2021 after 14 years of service to the department and community.
- July 4th – two members participated in the Mor-len drive community independence day parade with engine 1.
- July 13th – three members took Engine 2 to “Evening on River Street” in Elk Rapids. This event was a good public relations event to show case our equipment and teach the community about fire safety.

Fire Fighter's Association cont.

- August – staff participated in Harbor Days festivities this year by having four apparatus in the parade. We also had a two member team participate in water ball finishing in second place.
- August 27th – was the second “junk” day collection, staff were out collecting for MDA -during the Fill the Boot campaign. The department raised \$1,041.00. Finished the year raising \$2,374.00 for MDA.
- October 31st – Held our annual open house during Halloween. Attendance was down from previous year.
- December – members participated with the Village Market making a donation to their Christmas Giving Tree. Staff from the Village Market found a family within our township, purchased gifts and delivered them to the family. This donation was fully funded by department staff and matched with funds from the association.

Recognition Awards

10 Year Service Pin:	Fire Fighter Tony Hutchcraft
Top Training Hours:	Support Staff – Toby Way – 70.25 hours
	Fire Fighter – Chief Jeremy Ball – 67.75 hours
Top Responder to Fire Runs:	Support Staff – Toby Way – 94 responses
	Fire Fighter – Deputy Chief Dan Butler – 63 responses
Total Incident Responses:	Fire Chief – Jeremy Ball – 78 responses
Retirements:	Lieutenant Mike Tilley - 13 years of service
	Fire Fighter Tony Hutchcraft - 10 years of service
	Fire Fighter Matt Koeplin - 9 years of service

GRANT AWARDS

This year the department receive one grant. This was the 24th grant that we have received since 2001.

Grand Traverse Band 2% allocation Grant: The amount awarded was \$13,566.00. This was for the purchase of Pentheon battery operated telescopic ram, batteries, and charger for extrication purposes.

The department is very active in researching grants and applying for grants on a regular basis. Our continued efforts to secure funding through grants allows us to save money to our tax payers.

Since 2001, the department has been awarded **24** grants totaling **\$194,343.01**. The department has been awarded grants from the following:

AAA -	2012 - \$4,500	
DNR:	2012 - \$2,300	2013 - \$1,562
	2014 - \$1,000	2016 - \$2,400
	2019 - \$2,886	2020 - \$2,117
	2021 - \$2,109	
FM Global:	2016 - \$1,338	
Grand Traverse Band 2% Grant:	2001 - \$100,000	2013 - \$25,000
	2017 - \$8,000	2018 - \$3,083
	2021 - \$12,813	2022 - \$13,566
Elk Rapids Lions Club:	2012 - \$800	2015 - \$600
	2016 - \$700	2017 - \$1,000
	2018 - \$825	2020 - \$500
MTA:	2013 - \$1,350	2021 - \$4,264.01
MMR:	2016 - \$1,630	

MUTUAL / AUTOMATIC AID SERVICES

Our agency provides mutual aid and automatic aid services to Elk Rapids Township Fire Department, Torch Lake Township Fire Department, South Torch Lake Fire Department, Clearwater Township Fire Department in Kalkaska County.

We receive mutual aid and automatic aid from Elk Rapids Township Fire Department and Torch Lake Township Fire Department. We occasionally will receive aid from South Torch Lake Fire Department and Clearwater Township Fire Department.

With the personnel shortages for many departments during the daytime, we have entered into specific mutual aid agreements with regards to vehicle accidents. If we are providing the aid we send an engine and if agencies are providing aid to us they send an engine.

We have in place an automatic aid agreement with Torch Lake Township to be simulcast to all vehicle accidents with known or unknown entrapments to assist with extrication duties. We will assist in covering the entire portion of Torch Lake Township.

We have an automatic aid agreement with Elk Rapids and Torch Lake Townships for Structure Fire responses within Elk Rapids, Milton and Torch Lake Townships. This ensures a 3 station response to all structure fires that occur within the 3 Townships.

We also try and work jointly with our mutual aid partners to have less duplication of equipment. An example of this is we have an atv that provides fire suppression and rescue capabilities in trade our neighboring agencies all have rescue boats, therefore we save money on purchasing a rescue boat and our neighbors save money on having to purchase an atv. We rely on each other to respond to incidents where specialized equipment is needed.

During 2022 the Antrim County Emergency Services organizations worked towards becoming a part of MABAS, Michigan Mutual Aid Box Alarm System. Being a member of MABAS would give wide spread mutual aid to agencies apart of MABAS for specific services or specialized services to assist agencies when the situation is beyond their capabilities. This would allow our agencies to assist other agencies in various forms throughout the state when called upon.

ISO Public Protection Classification

ISO RATING:



ISO collects information on municipal fire protection efforts in communities throughout the United States. In each of those communities, ISO analyzes data such as response times, available water supply, man power, equipment, department records, number of stations in comparison to response area, and the different types of apparatus. They then assign a Public Protection Classification from 1 to 10. Class 1 generally represents superior property fire protection, and Class 10 indicates that the area's fire suppression program does not meet ISO's minimum criteria. The number rating system is used by most insurance companies to determine rates charged to homeowners based upon the community they live in.

Our ISO test was in 2009 and was reviewed in 2018. Effective 11-1-2018 our Public Protection Classification rating is a split classification 6 / 10. What this means is that homes or businesses located within 5 road miles of a fire station and within 1,000 feet of a creditable water supply have a rating of 6 and homes or businesses beyond 5 road miles of a fire station receive a 10 rating.

The Fire Suppression Rating Schedule measures the major elements of a community's fire protection system and develops a numerical grading called a Public Protection Classification. The following outline is the items considered and the weight of each item used in calculating a PPC rating.

- | | | |
|----|--|------------|
| 1. | Emergency Communications | 10 points |
| 2. | Fire Department | 50 points |
| 3. | Water Supply | 40 points |
| 4. | Community Risk Reduction | 5.5 points |
| 5. | Divergence – if the relative scores for fire department and water supply are different, ISO adjusts the total score downward to reflect the limiting effect of the less adequate item on the better one. | |

Water Point Program: The department continues to work on establishing certified water points throughout the Township using public accesses and road end accesses locations. If these areas are determined to be accessible by fire department personnel we will submit these locations for certification via ISO to help our score in the Water Supply category.



Contact your insurance company and see if you may benefit from our improved Fire Protection Classification. If your insurance company needs any documentation supporting or improved rating please have them contact the Fire Chief via email at milontwpfd@gmail.com or call 231-264-6694.

Recruitment & Retention

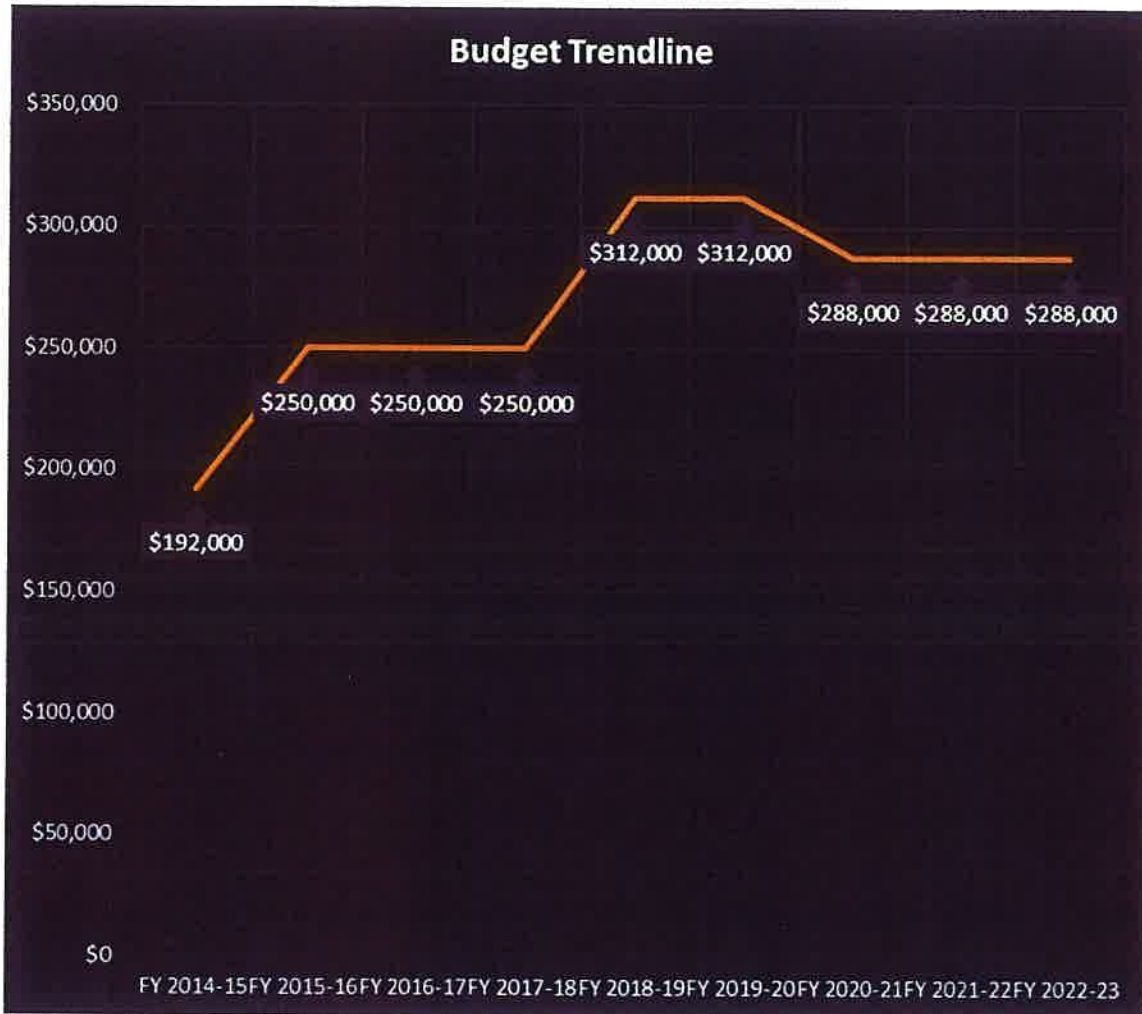
Nationally the paid-on call fire departments and volunteer departments continue to struggle with membership. We are seeing this in our Township. Time is the most critical element that people struggle with. There is just not enough time to volunteer with people having to work outside the Township, raising a family, having to possibly work two jobs, and / or both spouses are working outside the home. Our Township is a unique one, we have lots of rural space where there are several working farms, and several seasonal homes that are nestled on the shores of the boarding waters. There are not many businesses within the Township that bring workers in to possibly join the department.

Recruitment is always an ongoing process to gain and retain members of the fire department. We will continue to work within the school system, hold open houses, holding public education days, attend association meetings, use social media, and anything else we can do to attract members to serve the community.

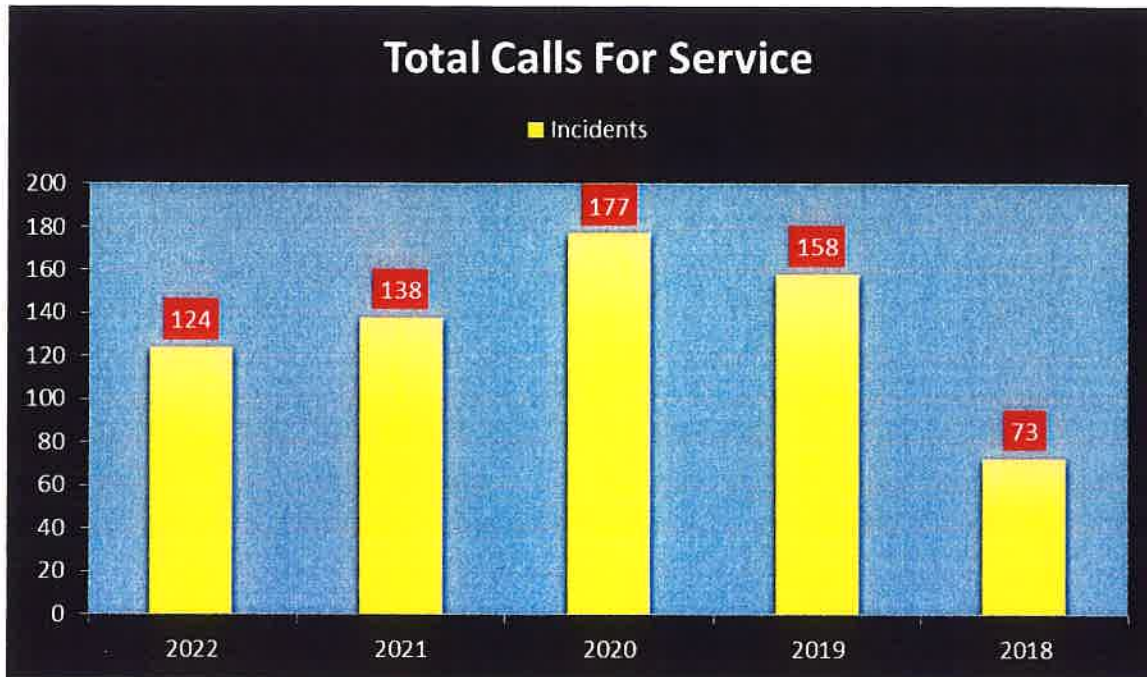
We have to also keep in mind that as we struggle to attract new members, we need to remember that the current membership continues to age. We need to do our best to retain these key members for as long as we can.

State & Federal Laws are ever changing, making it very difficult to retain members. We are going to need to continue to recruit members, but also look at staffing levels to possibly have hired personnel staffing the station, especially during the daytime hours where our call volume is the highest.

Financial and Growth Information

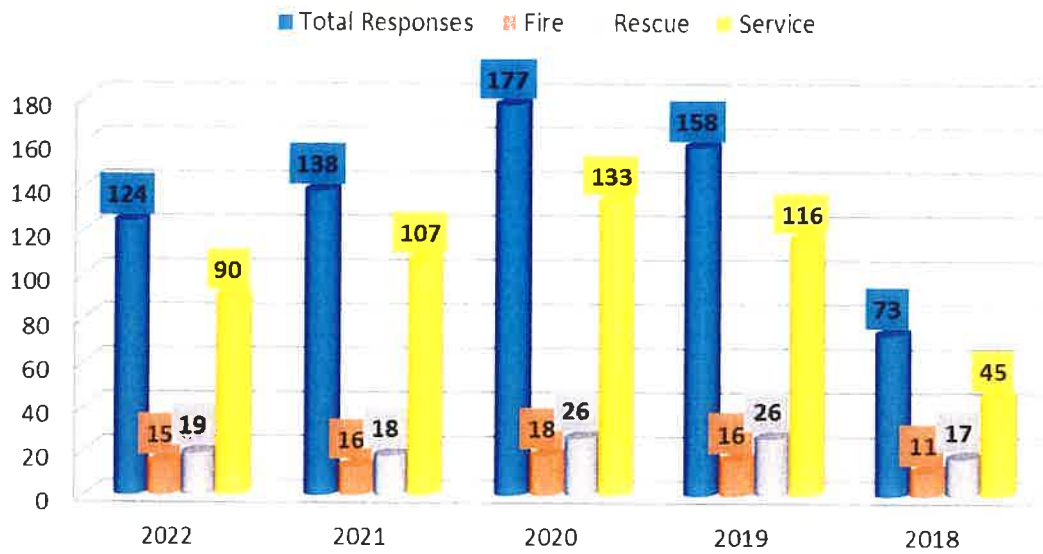


Incident Data and Emergency Response Statistics

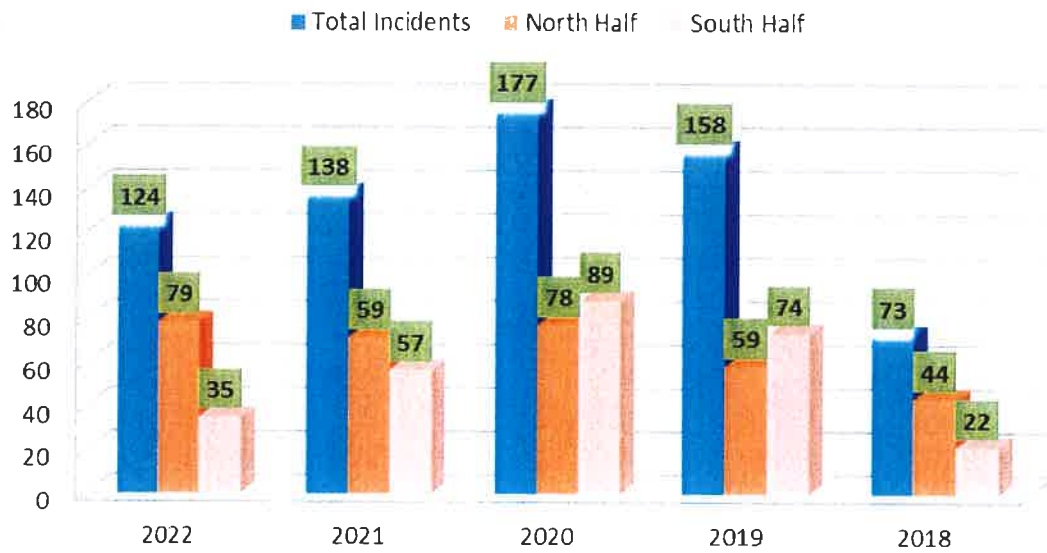


YEAR	INCIDENTS
2022	124
2021	138
2020	177
2019	158
2018	73

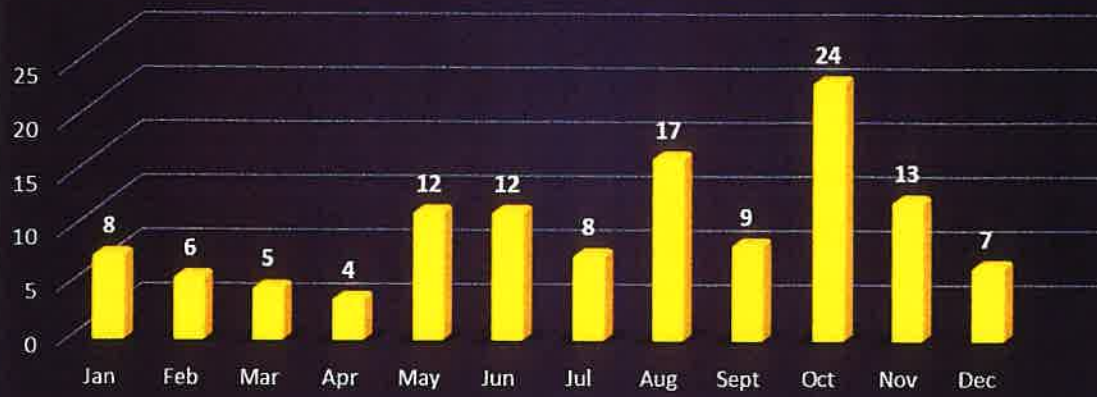
Fire Response Breakdown by Service Type

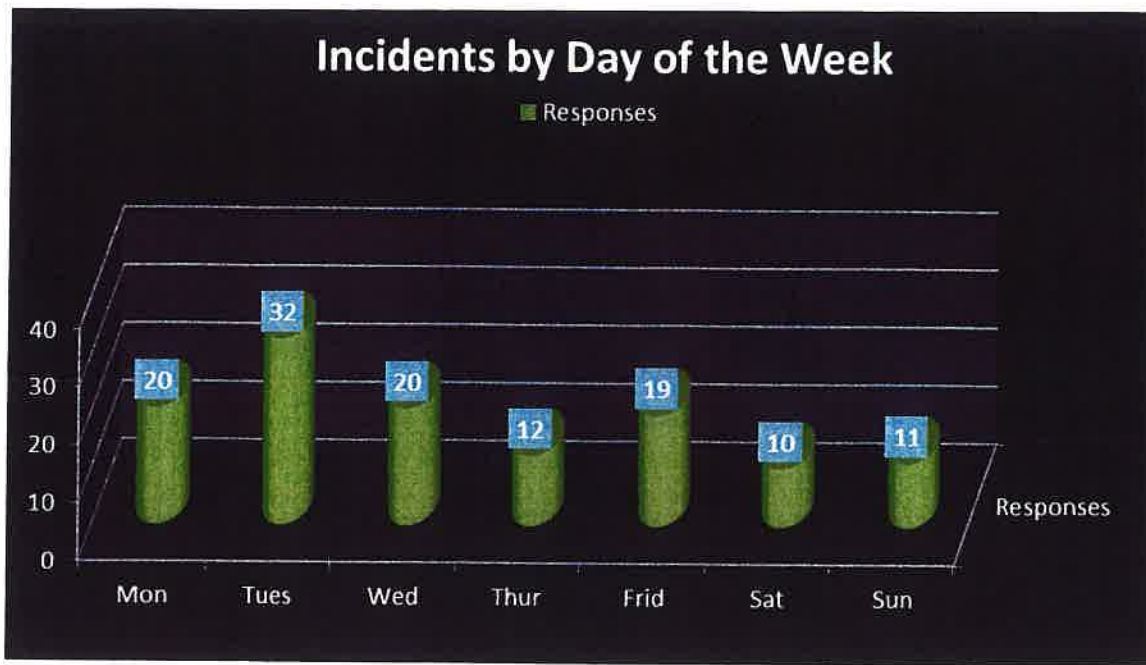


Responses by Location within Township

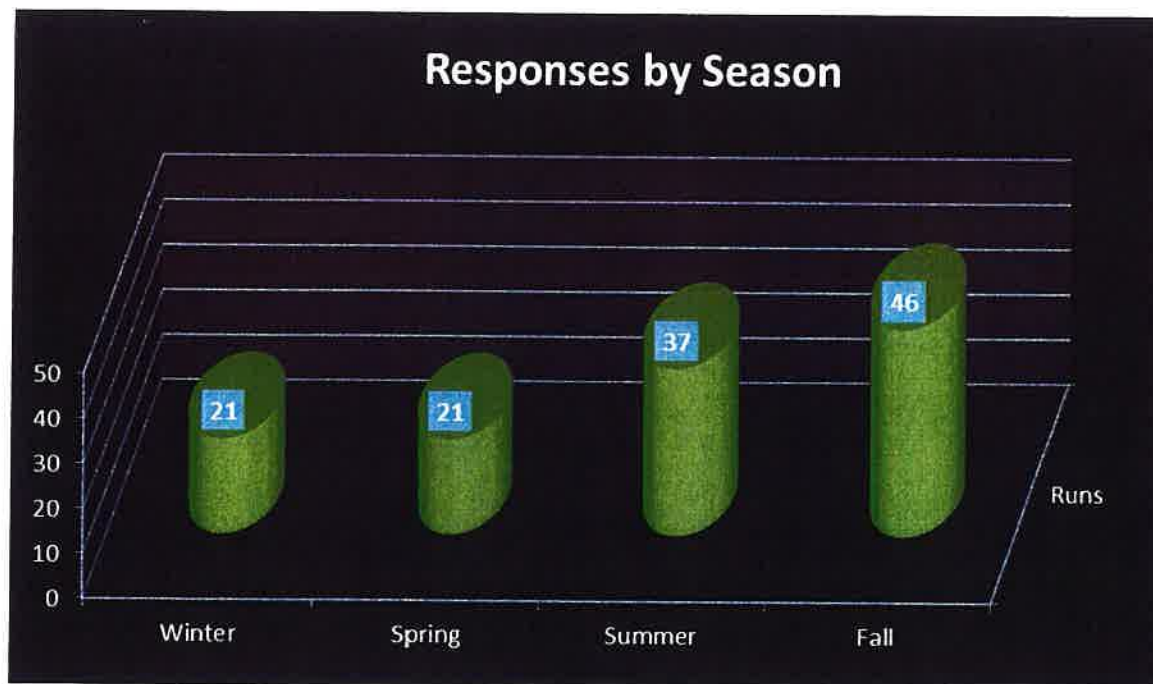
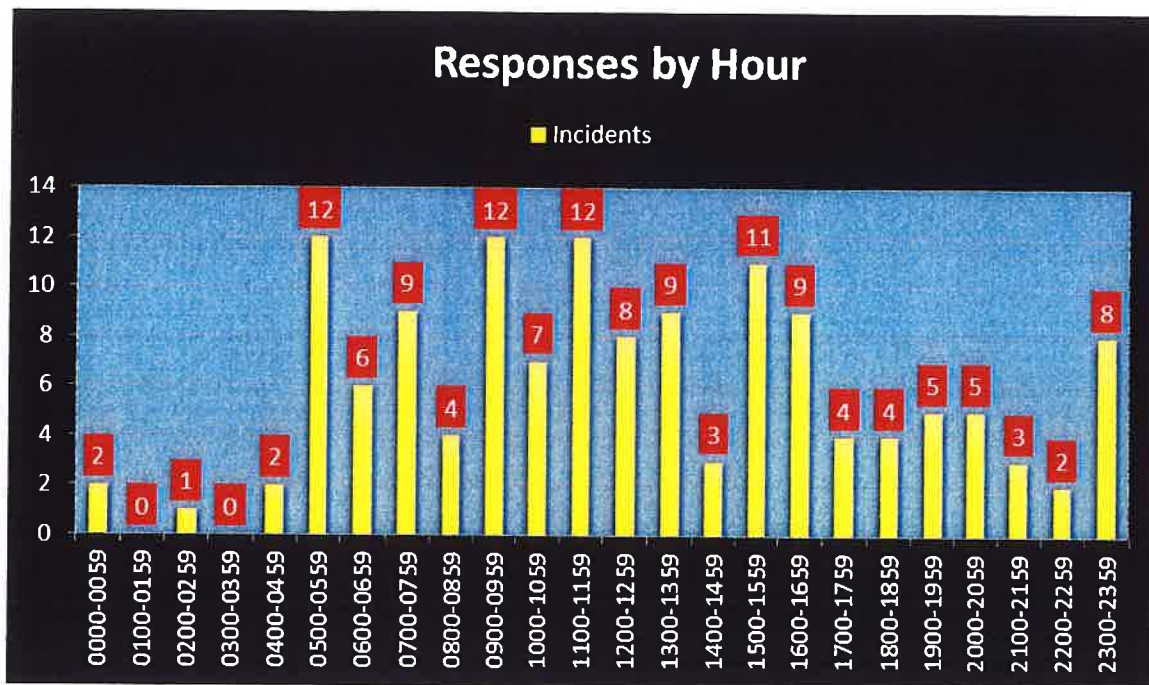


Responses by Month

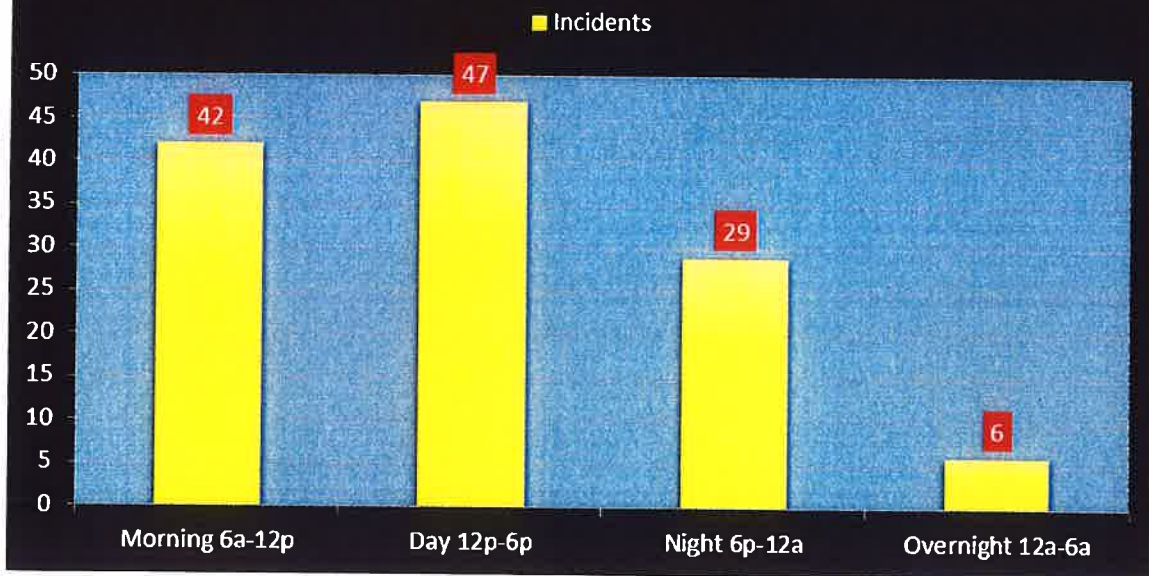




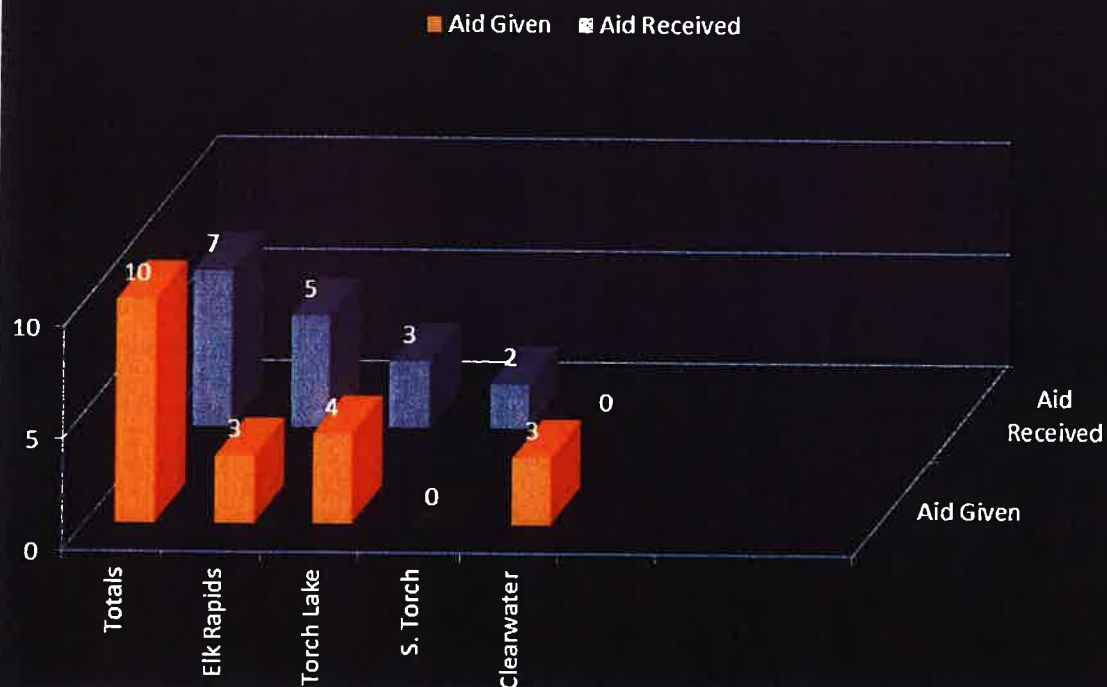
Calls by Day of the Week	2018	2019	2020	2021	2022
Monday	2	30	17	15	20
Tuesday	17	23	33	13	32
Wednesday	4	26	22	19	20
Thrusday	16	38	29	51	12
Friday	16	17	26	7	19
Saturday	11	12	15	15	10
Sunday	9	12	35	18	11

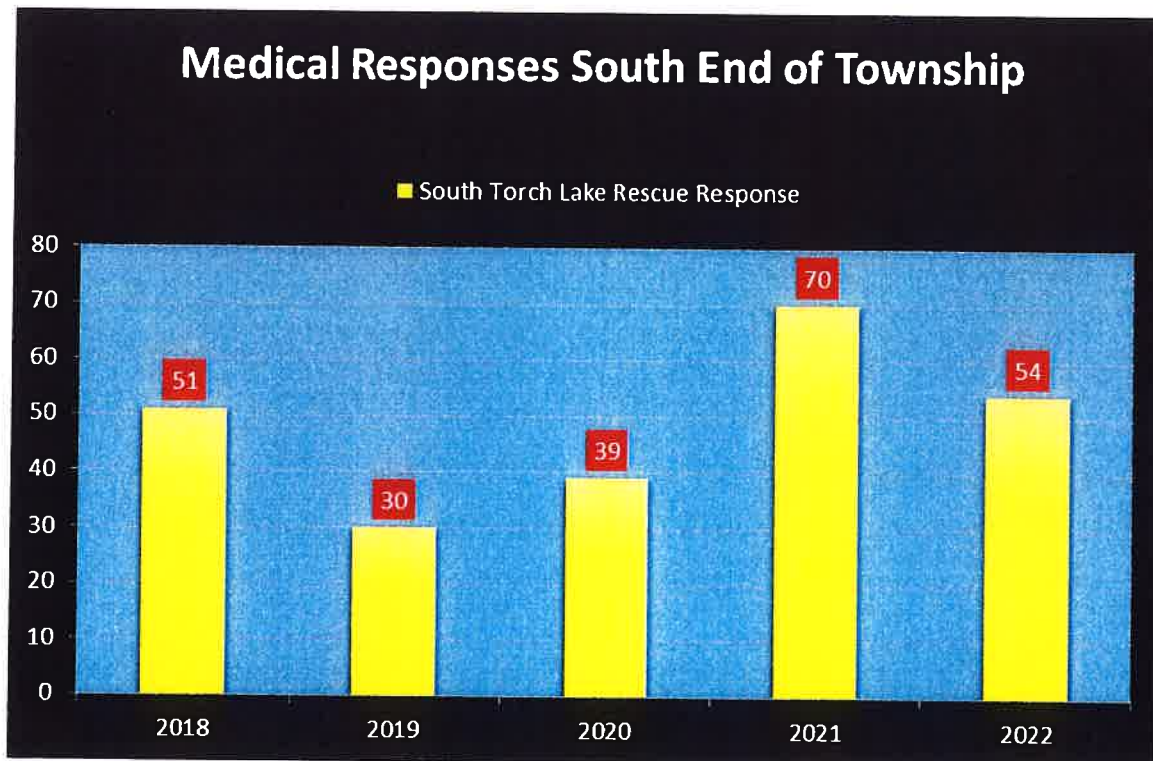
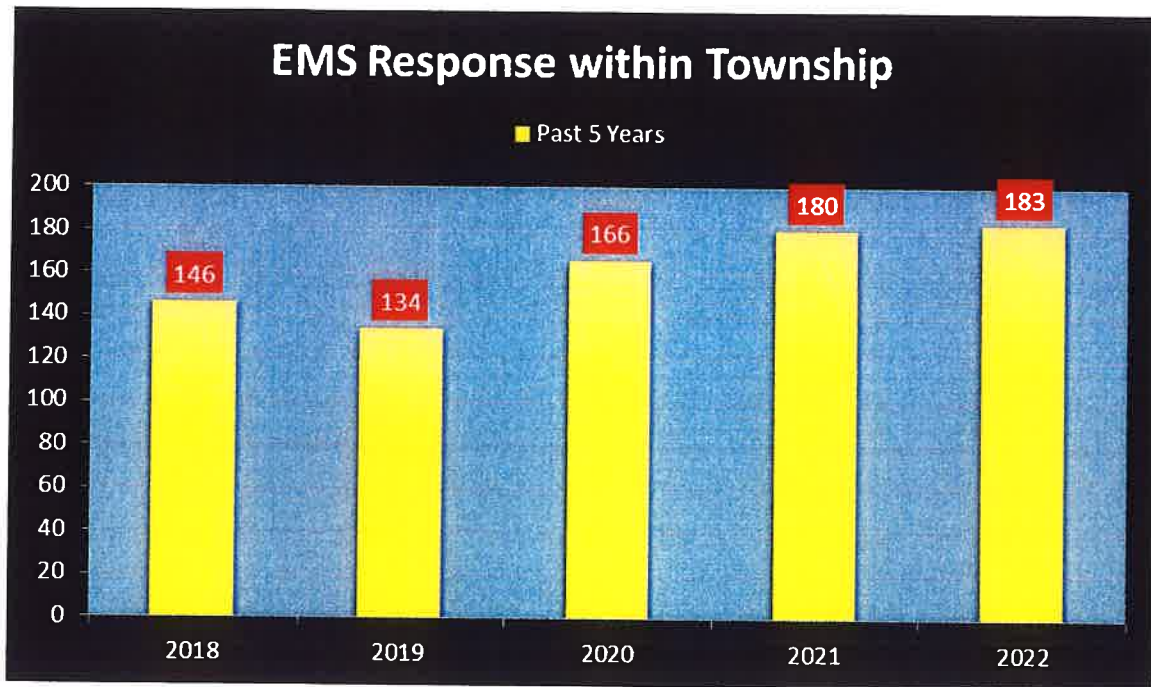


Responses by Time of Day



Mutual & Automatic Aid Responses





FUTURE STRATEGIC PLAN

1. Purchase of a Utility Vehicle.
2. Hiring of a day time staff employee.
3. Replacement of 1993 Pierce International Pumper.
4. Remodel or expansion of Station 1.
5. Recruitment of exhaust removal system Station 1.
6. Make stations more energy efficient.
7. Exhaust removal system Station 1.