



Annual Report to the Township Board  
The Year of 2020

The enclosed information of this report includes the data, facts and figures of your Fire Department for 2020. Look over the information supplied in this report, it will help the board get to know what we do and why we do it.

The covid epidemic had a large effect on fire and EMS operations, from periods of very, very light call activity early on and then an increase in calls that may have been related to people staying and working from their up north homes.

As a fire department there are many rules, standards, and laws both federal and state that we must follow. These standards are set by the National Fire Protection Association (NFPA). NFPA publishes more than 300 consensus codes and **standards** intended to minimize the possibility and effects of fire and other risks. There are **NFPA** codes and **standards**, administered by more than 250 Technical Committees comprising approximately 8,000 volunteers, which are adopted and used throughout the world. These standards are what would be used in a Court of law, they are considered nationally recognized standards.

Federal Laws include any Hazmat response's, Community right to know, Firefighter right to know, Personal accountability, Incident command system and Resource management.

State Laws include the 2 in 2 out rule, part 74-Fire Fighting as a Miosha state. Michigan Emergency services must meet federal requirements or exceed the same such as P.A. 300 motor vehicle code, Act 207 of 1941 - Fire Prevention Code, Act 69 of 1968 - Exemption of Firemen from Carrying Certain Papers and Part 33 - Personal Protective Equipment.

Fire departments are responsible to have third party testing completed. These companies do required tests of all department ladders, all department hose, and department pumps. These third-party tests help to remove some of the liability from the Township.

In this report you will find facts and figures related to the state of the Lyon Township Fire & EMS department. The state of the department is healthy.

As always if you have any questions please feel free to contact me or any member or stop by the station.

Thank you

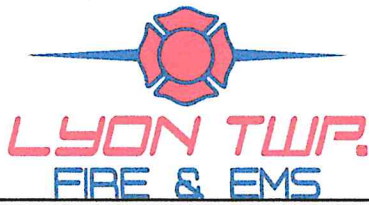
A handwritten signature in black ink that reads "William R. Cleaves III". The signature is written in a cursive style with a large initial 'W'.

William R Cleaves III  
Chief

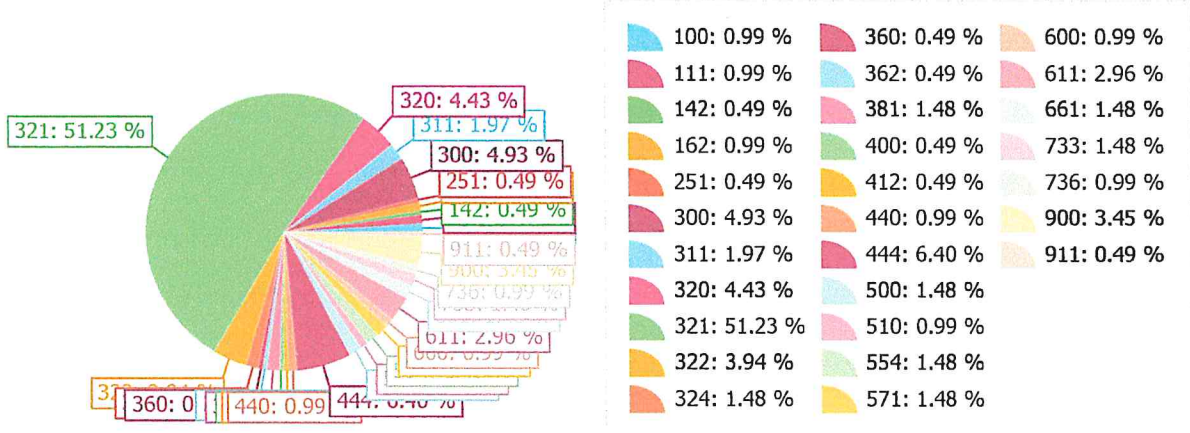


## Roster of Your Fire & EMS Department

William Cleeves	Craig Williams	Greg Flewelling	Dennis Dailey
Ron Hinzda	Joe Warren	Jeremiah Stewart	JC Holder
Steve Fay	Merlin Wrege	DJ Dailey	Sarah Bohnsack
Gail Holder	Harold Johnson	Jim Young	Dave Richwalt



**Incident Reports By Incident Type, Summary**

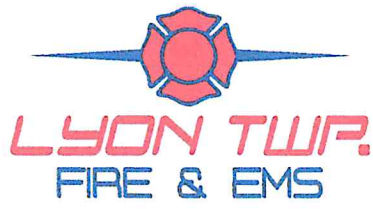


Incident Type	Total Incidents	Percent
100 - Fire, other	2	0.99%
111 - Building fire	2	0.99%
142 - Brush or brush-and-grass mixture fire	1	0.49%
162 - Outside equipment fire	2	0.99%
251 - Excessive heat, scorch burns with no ignition	1	0.49%
300 - Rescue, EMS incident, other	10	4.93%
311 - Medical assist, assist EMS crew	4	1.97%
320 - Emergency medical service incident, other	9	4.43%
321 - EMS call, excluding vehicle accident with injury	104	51.23%
322 - Motor vehicle accident with injuries	8	3.94%
324 - Motor vehicle accident with no injuries.	3	1.48%
360 - Water & ice-related rescue, other	1	0.49%
362 - Ice rescue	1	0.49%
381 - Rescue or EMS standby	3	1.48%
400 - Hazardous condition, other	1	0.49%
412 - Gas leak (natural gas or LPG)	1	0.49%
440 - Electrical wiring/equipment problem, other	2	0.99%

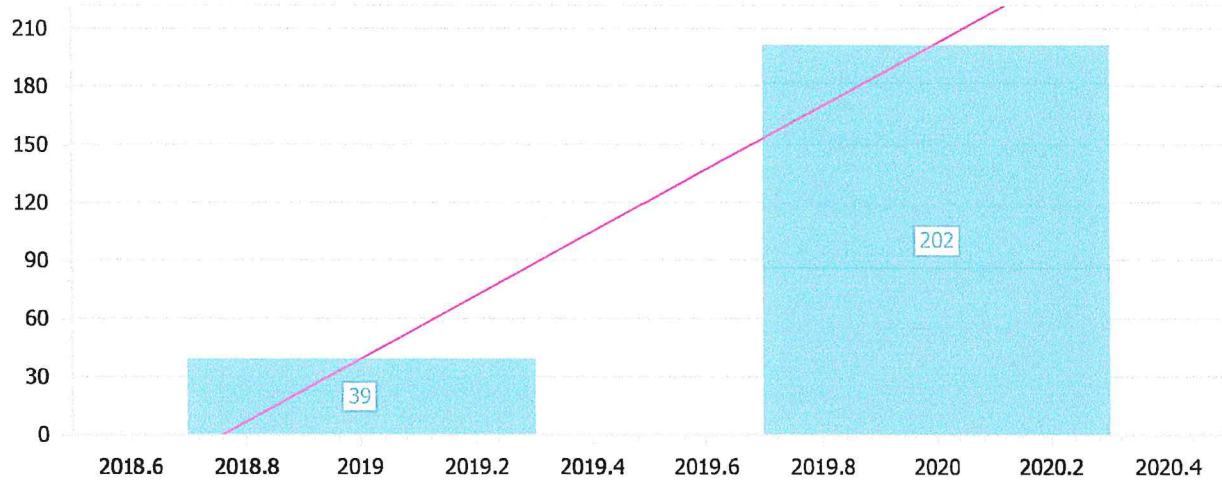
<b>Incident Type</b>	<b>Total Incidents</b>	<b>Percent</b>
444 - Power line down	13	6.40%
500 - Service Call, other	3	1.48%
510 - Person in distress, other	2	0.99%
554 - Assist invalid	3	1.48%
571 - Cover assignment, standby, moveup	3	1.48%
600 - Good intent call, other	2	0.99%
611 - Dispatched & canceled en route	6	2.96%
661 - EMS call, party transported by non-fire agency	3	1.48%
733 - Smoke detector activation due to malfunction	3	1.48%
736 - CO detector activation due to malfunction	2	0.99%
900 - Special type of incident, other	7	3.45%
911 - Citizen complaint	1	0.49%

**Total Number of Incidents: 203**

**Total Number of Incident Types: 29**



**Incident Reports By Year, Summary**



**Year**  
2019  
2020

**Number of Incidents**  
39  
202

# Monthly Incident Counts

Report Period: 2020

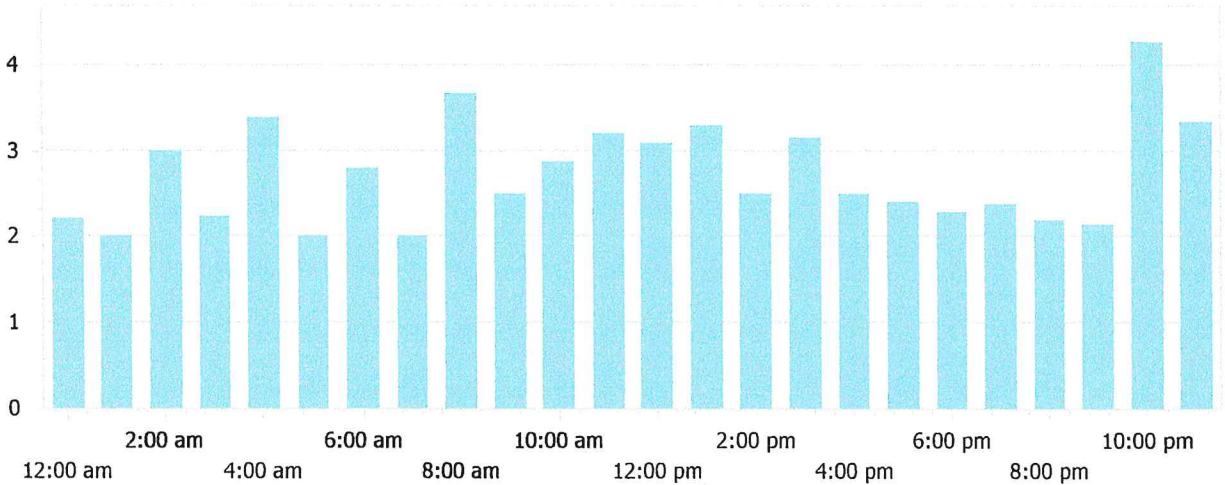
## National Fire Report by Month

FDID	FD Name												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
07204	Higgins twp. Fire/Ems												
Count	9	6	3	4	2	16	12	9	7	3	7	9	87
Exposures	0	0	0	0	0	0	0	0	0	0	0	0	0
No Activity	0	0	0	0	0	0	0	0	0	0	0	0	0
Aid Given	4	2	1	1	3	1	6	0	2	0	4	1	25
07205	ROSCOMMON TWP. FIRE DEPARTMENT												
Count	12	7	10	15	23	17	13	14	12	19	13	19	174
Exposures	0	0	0	0	1	0	0	0	0	0	0	0	1
No Activity	0	0	0	0	0	0	0	0	0	0	0	0	0
Aid Given	0	2	0	0	0	2	2	0	0	0	2	1	9
07206	Lyon Fire Dept.												
Count	12	17	17	13	19	18	26	18	9	10	17	13	189
Exposures	0	0	0	0	0	0	0	0	0	0	0	0	0
No Activity	0	0	0	0	0	0	0	0	0	0	0	0	0
Aid Given	0	0	0	0	1	0	0	0	0	0	1	0	2
07207	Markey Twp Fire Dept												
Count	8	5	7	1	4	12	12	0	0	0	0	0	49
Exposures	0	0	0	0	0	0	0	0	0	0	0	0	0
No Activity	0	0	0	0	0	0	0	0	0	0	0	0	0
Aid Given	0	0	0	0	1	0	1	0	0	0	0	0	2

715,744



**Personnel Response Averages by Time of Day**



**12:00 am**

**Total # of Incidents:** 13    **Total # of Personnel:** 29    **Avg Personnel per Incident:** 2.23

**1:00 am**

**Total # of Incidents:** 1    **Total # of Personnel:** 2    **Avg Personnel per Incident:** 2.00

**2:00 am**

**Total # of Incidents:** 6    **Total # of Personnel:** 18    **Avg Personnel per Incident:** 3.00

**3:00 am**

**Total # of Incidents:** 4    **Total # of Personnel:** 9    **Avg Personnel per Incident:** 2.25

**4:00 am**

**Total # of Incidents:** 5    **Total # of Personnel:** 17    **Avg Personnel per Incident:** 3.40

**5:00 am**

**Total # of Incidents:** 1    **Total # of Personnel:** 2    **Avg Personnel per Incident:** 2.00

**6:00 am**



**Total # of Incidents:** 5    **Total # of Personnel:** 14    **Avg Personnel per Incident:** 2.80

**7:00 am**

**Total # of Incidents:** 8    **Total # of Personnel:** 16    **Avg Personnel per Incident:** 2.00

**8:00 am**

**Total # of Incidents:** 6    **Total # of Personnel:** 22    **Avg Personnel per Incident:** 3.67

**9:00 am**

**Total # of Incidents:** 8    **Total # of Personnel:** 20    **Avg Personnel per Incident:** 2.50

**10:00 am**

**Total # of Incidents:** 16    **Total # of Personnel:** 46    **Avg Personnel per Incident:** 2.88

**11:00 am**

**Total # of Incidents:** 14    **Total # of Personnel:** 45    **Avg Personnel per Incident:** 3.21

**12:00 pm**

**Total # of Incidents:** 13    **Total # of Personnel:** 40    **Avg Personnel per Incident:** 3.08

**1:00 pm**

**Total # of Incidents:** 10    **Total # of Personnel:** 33    **Avg Personnel per Incident:** 3.30

**2:00 pm**

**Total # of Incidents:** 10    **Total # of Personnel:** 25    **Avg Personnel per Incident:** 2.50

**3:00 pm**

**Total # of Incidents:** 13    **Total # of Personnel:** 41    **Avg Personnel per Incident:** 3.15

**4:00 pm**

**Total # of Incidents:** 8    **Total # of Personnel:** 20    **Avg Personnel per Incident:** 2.50

**5:00 pm**

**Total # of Incidents:** 10    **Total # of Personnel:** 24    **Avg Personnel per Incident:** 2.40

**6:00 pm**

**Total # of Incidents:** 7    **Total # of Personnel:** 16    **Avg Personnel per Incident:** 2.29

**7:00 pm**

**Total # of Incidents:** 8    **Total # of Personnel:** 19    **Avg Personnel per Incident:** 2.38

**8:00 pm**

**Total # of Incidents:** 10    **Total # of Personnel:** 22    **Avg Personnel per Incident:** 2.20

**9:00 pm**

**Total # of Incidents:** 7    **Total # of Personnel:** 15    **Avg Personnel per Incident:** 2.14

**10:00 pm**

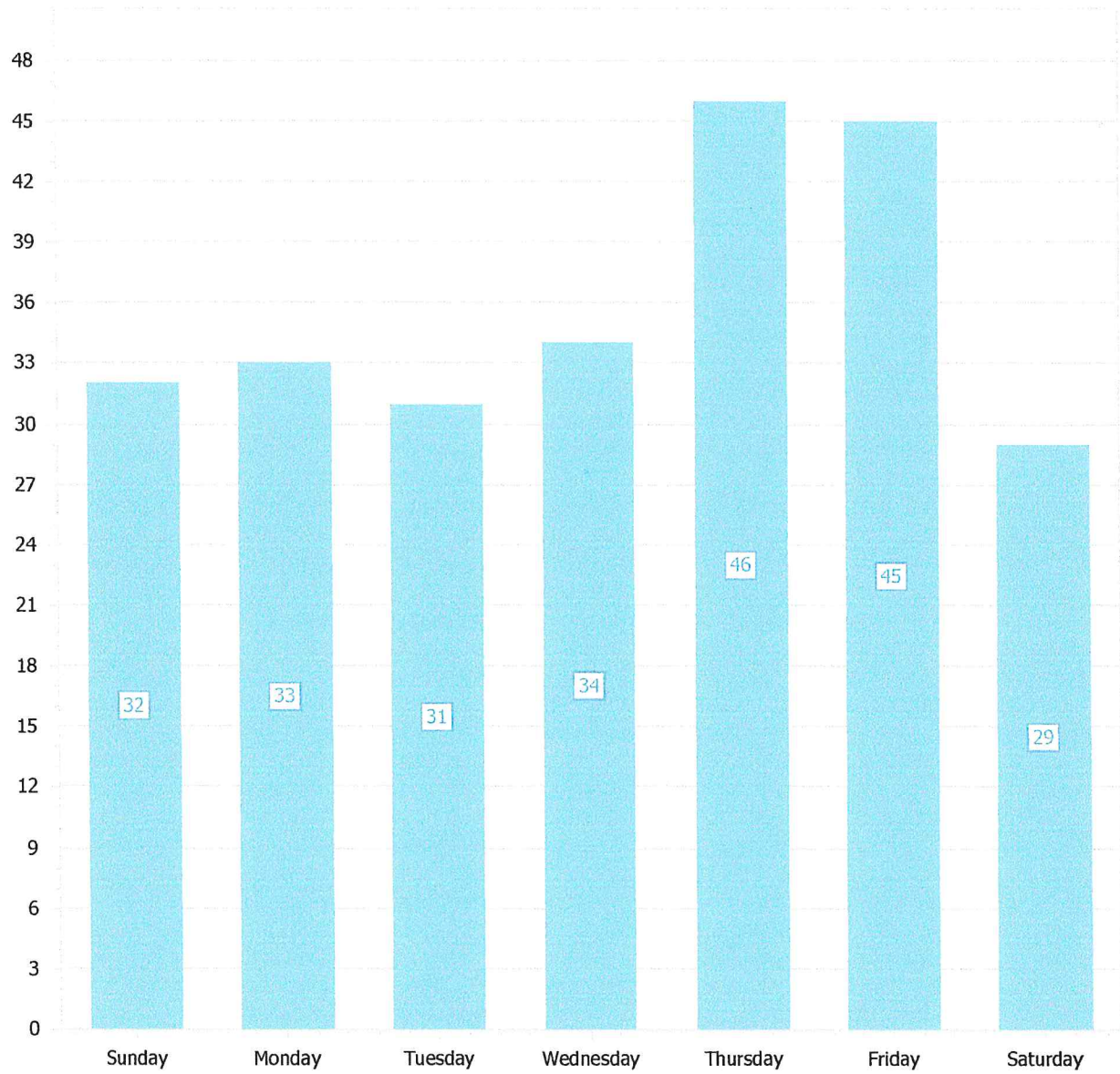
**Total # of Incidents:** 11    **Total # of Personnel:** 47    **Avg Personnel per Incident:** 4.27

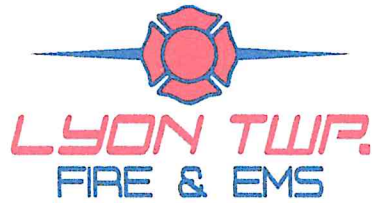
**11:00 pm**

**Total # of Incidents:** 9    **Total # of Personnel:** 30    **Avg Personnel per Incident:** 3.33



**Incident Reports by Day of the Week, Detailed**





**AFG Summary**

**2020**

**Major Incident Type Category**

Series 100: Fire	7
Series 200: No Fire	1
Series 300: EMS	143
Series 400: Hazardous Condition	17
Series 500: Service Call	11
Series 600: Good Intent	11
Series 700: False Alarm	5
Series 800: Severe Weather	0
Series 900: Special Incident Type	8

**Total: 203**

**100 Series Details**

Structure Fires (111-120):	2
Vehicle Fires (130-138):	0
Vegetation Fires (140-143):	1
Wildland Module Acres:	0.2

**300 Series Details**

MVA (322-324):	11
Vehicle Extrications(352):	0
Rescues (300, 351, 353-381):	15

**Mutual and Automatic Aid**

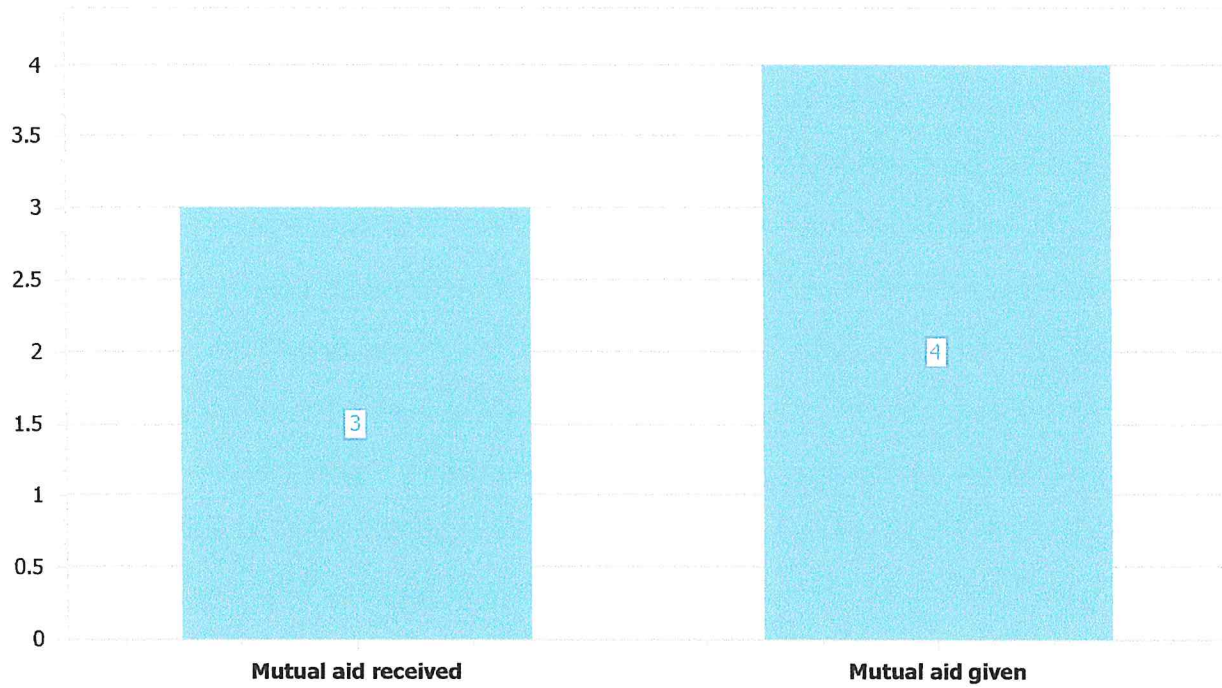
Aid Recieved:	3	Aid Given:	4
Automatic Aid Recieved:	0	Automatic Aid Given:	0

**Casualties**

FireFighter Injuries:	0	Civilian Injuries:	0
FireFighter Deaths:	0	Civilian Deaths:	0



**Incident Reports By Mutual Aid Type**



**1 Mutual aid received**

Incident #	Exp #	Date and Time	Incident Type
20033	0	2/22/2020 19:17	362 - Ice rescue
20075	0	5/8/2020 14:35	300 - Rescue, EMS incident, other
20076	0	5/8/2020 12:00	111 - Building fire

**Total Incidents: 3**

**3 Mutual aid given**

Incident #	Exp #	Date and Time	Incident Type
20088	0	5/23/2020 03:10	111 - Building fire
20165	0	10/10/2020 04:20	162 - Outside equipment fire
20184	0	11/11/2020 23:27	162 - Outside equipment fire

20193

0 11/24/2020 08:57 571 - Cover assignment, standby, moveup

**Total Incidents: 4**



**Training Class Sessions by Date, Summary**

**December 03, 2020 00:00, Thursday**

<b>Session:</b> Business Meeting	<b>Start Time:</b> 12/03/20 00:00
<b>Total Time:</b> 0 Hr 0 Min	<b>End Time:</b> 12/03/20 00:00
<b>Number of Students:</b> 11	
<b>Instructor Name:</b> Cleeves, William R. III	<b>Is Lead Instructor?</b> <input type="checkbox"/>

**October 15, 2020 19:00, Thursday**

<b>Session:</b> Engine Equipment and Tools	<b>Start Time:</b> 10/15/20 19:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 10/15/20 21:00
<b>Number of Students:</b> 10	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b> <input type="checkbox"/>

**October 08, 2020 00:00, Thursday**

<b>Session:</b> Albuterol Meterd Dose Inhaler	<b>Start Time:</b> 10/08/20 00:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 10/08/20 02:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b> <input type="checkbox"/>

**October 01, 2020 19:00, Thursday**

<b>Session:</b> Business Meeting	<b>Start Time:</b> 10/01/20 19:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 10/01/20 21:00
<b>Number of Students:</b> 11	
<b>Instructor Name:</b> Cleeves, William R. III	<b>Is Lead Instructor?</b> <input type="checkbox"/>

**September 24, 2020 19:00, Thursday**

<b>Session:</b> Driver Training	<b>Start Time:</b> 09/24/20 19:00
<b>Total Time:</b> 2 Hr 15 Min	<b>End Time:</b> 09/24/20 21:15
<b>Number of Students:</b> 12	
<b>Instructor Name:</b> Cleeves, William R. III	<b>Is Lead Instructor?</b> <input type="checkbox"/>

**September 19, 2020 08:00, Saturday**

<b>Session:</b> Vehicle Extrication	<b>Start Time:</b> 09/19/20 08:00
<b>Total Time:</b> 5 Hr 30 Min	<b>End Time:</b> 09/19/20 13:30
<b>Number of Students:</b> 12	
<b>Instructor Name:</b> Cleeves, William R. III Bourgeois, Doug	<b>Is Lead Instructor?</b> <input type="checkbox"/> <input type="checkbox"/>

**September 18, 2020 18:00, Friday**

<b>Session:</b> Vehicle Extrication	<b>Start Time:</b> 09/18/20 18:00
<b>Total Time:</b> 4 Hr 30 Min	<b>End Time:</b> 09/18/20 22:30
<b>Number of Students:</b> 12	
<b>Instructor Name:</b> Cleeves, William R. III	<b>Is Lead Instructor?</b> <input checked="" type="checkbox"/>



**September 10, 2020 00:00, Thursday**

**Session:** Committee meeting

**Start Time:** 09/10/20 00:00

**Total Time:** 0 Hr 0 Min

**End Time:** 09/10/20 00:00

**Number of Students:** 0

**Instructor Name:**

**Is Lead Instructor?**

**September 03, 2020 19:00, Thursday**

**Session:** Business Meeting

**Start Time:** 09/03/20 19:00

**Total Time:** 2 Hr 0 Min

**End Time:** 09/03/20 21:00

**Number of Students:** 11

**Instructor Name:**

**Is Lead Instructor?**

**August 06, 2020 18:00, Thursday**

**Session:** CTBS

**Start Time:** 08/06/20 18:00

**Total Time:** 3 Hr 0 Min

**End Time:** 08/06/20 21:00

**Number of Students:** 12

**Instructor Name:**

**Is Lead Instructor?**

Bourgeois, Doug

**July 30, 2020 19:00, Thursday**

<b>Session:</b> Health and safety	<b>Start Time:</b> 07/30/20 19:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 07/30/20 21:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b> DAILEY, dENNIS	<b>Is Lead Instructor?</b> <input type="checkbox"/>

**July 23, 2020 00:00, Thursday**

<b>Session:</b> PRSO	<b>Start Time:</b> 07/23/20 00:00
<b>Total Time:</b> 0 Hr 0 Min	<b>End Time:</b> 07/23/20 00:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b> <input type="checkbox"/>

**July 09, 2020 19:00, Thursday**

<b>Session:</b> PPE SCBA Safety and maintenance	<b>Start Time:</b> 07/09/20 19:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 07/09/20 21:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b> Flewelling, Greg	<b>Is Lead Instructor?</b> <input checked="" type="checkbox"/>

**July 02, 2020 00:00, Thursday**

<b>Session:</b> Business Meeting	<b>Start Time:</b> 07/02/20 00:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 07/02/20 02:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b> Cleaves, William R. III	<b>Is Lead Instructor?</b> <input type="checkbox"/>

**June 18, 2020 00:00, Thursday**

<b>Session:</b> Albuterol Meterd Dose Inhaler	<b>Start Time:</b> 06/18/20 00:00
<b>Total Time:</b> 1 Hr 0 Min	<b>End Time:</b> 06/18/20 01:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
	<input type="checkbox"/>

<b>Session:</b> Albuterol Meterd Dose Inhaler	<b>Start Time:</b> 06/18/20 00:00
<b>Total Time:</b> 0 Hr 0 Min	<b>End Time:</b> 06/18/20 00:00
<b>Number of Students:</b> 10	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
Cleeves, William R. III	<input checked="" type="checkbox"/>

**June 11, 2020 00:00, Thursday**

<b>Session:</b> Road Clean up	<b>Start Time:</b> 06/11/20 00:00
<b>Total Time:</b> 0 Hr 0 Min	<b>End Time:</b> 06/11/20 00:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
	<input type="checkbox"/>

**June 04, 2020 19:00, Thursday**

<b>Session:</b> Business Meeting	<b>Start Time:</b> 06/04/20 19:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 06/04/20 21:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
	<input type="checkbox"/>

**May 28, 2020 19:00, Thursday**

<b>Session:</b> Pump Ops.	<b>Start Time:</b> 05/28/20 19:00
<b>Total Time:</b> 2 Hr 20 Min	<b>End Time:</b> 05/28/20 21:20
<b>Number of Students:</b> 11	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
	<input type="checkbox"/>

**May 21, 2020 19:00, Thursday**

<b>Session:</b> Officer Development	<b>Start Time:</b> 05/21/20 19:00
<b>Total Time:</b> 26 Hr 0 Min	<b>End Time:</b> 05/22/20 21:00
<b>Number of Students:</b> 11	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
Cleeves, William R. III	<input type="checkbox"/>

**May 13, 2020 00:00, Wednesday**

<b>Session:</b> Pump Ops.	<b>Start Time:</b> 05/13/20 00:00
<b>Total Time:</b> 0 Hr 0 Min	<b>End Time:</b> 05/13/20 00:00
<b>Number of Students:</b> 1	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
	<input type="checkbox"/>

**May 12, 2020 00:00, Tuesday**

<b>Session:</b> Pump Ops.	<b>Start Time:</b> 05/12/20 00:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 05/12/20 02:00
<b>Number of Students:</b> 1	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
	<input type="checkbox"/>

**February 27, 2020 00:00, Thursday**

<b>Session:</b> Hazmat Refresher	<b>Start Time:</b> 02/27/20 00:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 02/27/20 02:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
	<input type="checkbox"/>

**February 06, 2020 00:00, Thursday**

<b>Session:</b> Business Meeting	<b>Start Time:</b> 02/06/20 00:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 02/06/20 02:00
<b>Number of Students:</b> 9	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
	<input type="checkbox"/>

**January 30, 2020 19:00, Thursday**

<b>Session:</b> Health and safety	<b>Start Time:</b> 01/30/20 19:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 01/30/20 21:00
<b>Number of Students:</b> 9	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
Cleeves, William R. III	<input checked="" type="checkbox"/>

**January 09, 2020 19:00, Thursday**

<b>Session:</b> PPE SCBA Safety and maintenance	<b>Start Time:</b> 01/09/20 19:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 01/09/20 21:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
Flewelling, Greg	<input type="checkbox"/>
Hnizda, Ron V.	<input type="checkbox"/>

**January 02, 2020 19:00, Thursday**

<b>Session:</b> Business Meeting	<b>Start Time:</b> 01/02/20 19:00
<b>Total Time:</b> 2 Hr 0 Min	<b>End Time:</b> 01/02/20 21:00
<b>Number of Students:</b> 0	
<b>Instructor Name:</b>	<b>Is Lead Instructor?</b>
	<input type="checkbox"/>



Percent of Training Classes Attended (Including Ad Hoc)		
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<u>Personnel Name</u>	<u># of Classes</u>	<u>%</u>
Bohnsack, Sarah	15	35.71%
Cleeves, Terry	7	16.67%
Cleeves, William	38	90.48%
Dailey, D J	22	52.38%
Dailey, Denny	40	95.24%
Fay, Stephen	19	45.24%
Flewelling, Greg	36	85.71%
Gross, Hannon	7	16.67%
Hnizda, Ronald	35	83.33%
Holder, Gail	39	92.86%
Holder, J.C.	39	92.86%
Kerns, William	18	42.86%
Rickwalt, Dave	38	90.48%
Stewart, Jeremiah	28	66.67%
Williams, Craig	35	83.33%
Wrege Myrlin	7	16.67%
Young, James	6	14.29%



## Looking Ahead

As we all know the future can be puzzling at times, by using data obtained through the past we can make a reasonable plan of what is needed and how to meet those challenges.

With the covid19 taking up more than a year, we believe an increase from people working from home will change our demographics slightly and we are aware that this will mean an increase in call volume.

The biggest problem for us is obtaining personnel, in fact this is a problem across the country not just Northern Michigan. We have had some success with department sign, we are now starting with social media.

We are going to set up a citizen academy for this fall to allow township residents to experience what we do and how we do it, plus fire safety, how to use a fire extinguisher, how we get people out of cars with the jaws of life, install and check smoke detectors among other things.