

2019

Dalton Township FD



Annual Report

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January 2020

Dalton Township Board of Trustees

It is with great pleasure I submit the 2019 Annual Report for the Dalton Township Fire Department. I am proud to lead the professional Firefighters of the Dalton Township Fire Department. My vision for the Department is to be a professional fire service leader, committed to high performance standards that serves and provides a safe community for all. As you will see in this report, the Fire Department continues its commitment of providing quality service to those we protect.

The Fire Department responded to a total of 880 calls for service, (an increase of 156 calls from 2018) this is the BUSIEST year in the history of the Department. We had an average response time of 6 minutes and 24 seconds, which is below the national standard of 8 minutes.

The Department had 50 fire suppression responses, of those 12 were “working” structure fires, and of those, only 4 were located in our initial response area.

While fire suppression continues to be an essential service, we also provide emergency medical service at the Medical First Responder level. The greatest number of fire department responses is to medical emergencies. The Department responded to 511 medical calls in 2019. This accounts for 58% of our total call volume. Additionally under EMS, we responded to 27 motor vehicle incidents and of those 11 required the use of the “Jaws of Life” to remove the occupants.

We installed over 100 free smoke detectors in homes throughout our service area, attended several public education events and once again had a successful Fire Prevention Open House. As a Department we completed over 1130 hours of fire and EMS training during the year.

As we move forward into the new year, the Dalton Township Fire Department will continue to evaluate the services we provide to the community to determine quality and effectiveness. Officer and employee development remains a priority. We are looking forward to new training programs; department and countywide. We have improved our medical, fitness, education and inspection programs, but will continue to enhance those programs throughout the upcoming year. Improvement and maintenance of our fire station has progressed well and will continue this year further planned improvements.

The Dalton Township Fire Department, as always, is committed to preserving the life and property of our citizens and to serve the community with honor and loyalty.

Yours in Education and Safety,

Alan R. Styles, Fire Chief

Our Mission...

To serve our community with truth, honesty and dedication, to minimize damage and provide for those in need, to educate both ourselves as well as the community we serve as we continue to grow.

We accomplish this through...

Prompt response to call for service

Recruitment & retention of dedicated personnel

Continuous training with the most up to date information

Public education with community involvement and interaction

Pro-active Code Enforcement in a partnership with our Building Department

Systematic inspections of all Department equipment to insure operational readiness

Utilization of the National Incident Management System and operational use of the Unified Incident Command System.

Our Values...

Duty is doing it, Pride is wearing it and Tradition is living it

About the Department

The Dalton Township Fire Department was established in 1952 by the Township Board, to protect and preserve the lives and property of the citizens of Dalton Township and the Village of Lakewood Club from fire and to assist them in emergency situations.

Originally, there were two departments, # 1 & 2, one in Twin Lake and one in the Village of Lakewood Club (which was formed in 1945). In 1995 it was decided to combine Departments 1 & 2 into one department centrally located in Dalton Township, a new 9700 sq. ft. station was constructed and house all of the assets of the Dalton Township Fire Department.

It is the duty and responsibility of the Department to enforce the fire service laws of the State of Michigan and the ordinances of Dalton Township; which provide for protection of life and property against fire. It is the further duty and responsibility of the Department to constantly strive for optimum efficiency in maintenance and operation of its facilities, equipment and personnel for the prevention and extinguishment of fires and to be ready to respond to any emergency whether natural or technological in nature.

The Department is led by the Fire Chief whose duties are to direct and administer all operations and personnel of the Department. The Chief is appointed by and performs the duties of this position under the administrative guidance of the Township Board. The classified personnel of the Department include the Fire Chief, Deputy Fire Chief, Captain, Lieutenant, Firefighter, Probationary Firefighter, and Cadet.

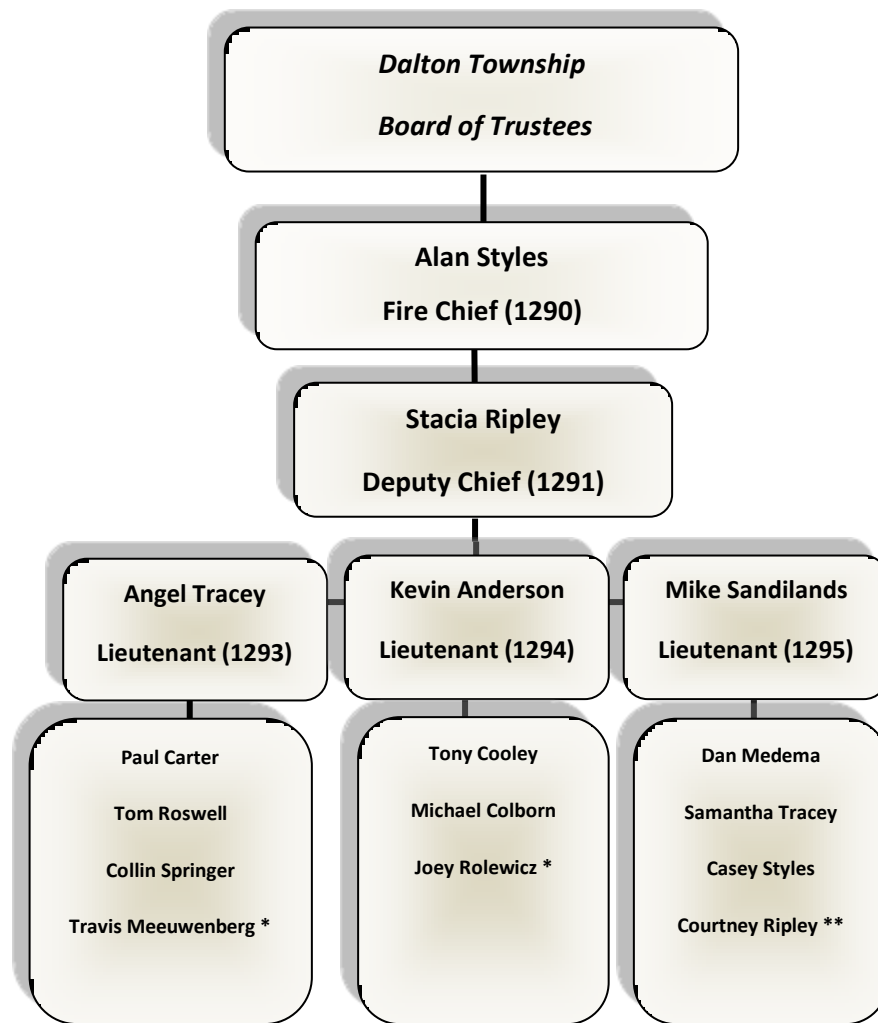
The Dalton Township Fire Department is presently operating with a compliment of 16 personnel; 1 Fire Chief, 1 Deputy Fire Chief, 3 Lieutenants, 8 Firefighters, 2 Probationary Firefighters, and 1 Cadet.

For operational purposes, the personnel of the Department are divided into 3 companies, each with a complement of personnel under the direction of a Lieutenant who is responsible to the Captain. The Lieutenants are also assigned other "areas of responsibility" within the Fire Department. The Captain is in charge of the station and is responsible for the maintenance of all station equipment, and facilities. The Deputy Chief also functions as the Department's Training Officer, and functions as the Fire Chief in his absence.

The Department serves a population of 9300 (yearlong residents) covering an area of 36 square miles. The Fire Department is also contracted with Cedar Creek Township to provide fire and EMS services to an area of 10 square miles with a population of around 1000. The Fire Department enjoys an ISO rating of a 5.

Accomplishments in 2019

- Continued open lines of communication within the Fire Department as well as with the Township Board and its employees.
- Took delivery of a custom frontline fire engine and placed it into service in May of 2019.
- Two (2) of our employees have begun a Cancer Prevention Program for the Department, this is not only education, but “changing the culture” on how we operate.
- Received a grant from the MI-DNR in the amount of \$1688.00 (50% matching) for a total of \$3376.00. This will go towards air filtration masks for each employee along with spare gloves and protective hoods. This is part of our cancer prevention program.
- Placed new 2019 Dodge full size pick up medical response vehicle in service, this unit replaces the 2007 Chevy Silverado which was sold to the Township as a “pool” vehicle.
- As a Department we had a total of 1132 hours in both fire and emergency medical related training topics.
- Replaced our aging (24 years old) breathing compressor with a safer and more efficient one, which is open to use by any fire department.
- Upgraded training room with new AV equipment, replaced the aging carpet, lighting, and purchased new tables and chairs. These upgrade allowed us to become a state approved training site for the Bureau of Fire Services and the Department of health and Human Service.
- Completed the “Keep the Wreath Red” holiday safety program for the 10th year with no incidents.
- Staffed Thunderbird Raceway successfully without major incident.
- Received a “new brush pick-up” chassis from the MI-DNR, at no cost, this will replace one of the aging brush trucks. A majority of the “switching over” of the units will take place by the department staff, thus saving money to the department. Anticipated in-service of spring 2020.
- Assisted numerous area departments with mutual aid including but not limited to fire suppression, water rescue, and vehicle extrication.



* denotes probationary FF

** denotes cadet

Type of Call Definitions

The following are Types of Calls as used in this report. These call types are based on the National Fire Incident Reporting system (NFIRS).

Fire/Explosion: All calls concerned with actual burning or explosions. This category includes fires in buildings and vehicles as well as brush fires refuse fires and fires in spilled fuel.

Rescue: Calls are related to removing people from dangerous situations including extrication from crushed vehicles or machinery, removal from the water or ice, searching for lost persons and assisting people who are locked in a structure or vehicle.

Medical: Emergency medical situations, for example heart attacks, strokes and lack of respiration or occasions where people need a medical assist such as a fall without injury but need help in getting up.

Hazardous Condition: Situations of spills or leaks without ignition, excessive heat conditions, power lines down, aircraft emergencies, chemical emergencies and overpressure situations causing pipe or container ruptures.

Service: Calls involving people being locked out of structures, removing water from structures, assisting the police, checking unauthorized burning.

Good Intent: Cancelled in route, wrong location, controlled burn, barbeques, smoke or odor investigations and steam or other vapor mistaken for smoke.

False Alarm: Alarm calls where no emergency situation exists such as malicious mischief, a bomb scare, alarm system malfunction and unintentional alarms.

Other: Calls not otherwise classified, these are usually responses discontinued before arrival on the scene.

Incident Type	Count	Percent
<u>1 Fire</u>		
100 Fire, Other	1	0.11%
111 Building Fire	7	0.80%
1111 Working Structure Fire	6	0.68%
113 Cooking fire, confined to container	2	0.23%
114 Chimney or flue fire, confined to chimney or flue	3	0.34%
1141 Dryer vent fire contained to dryer	1	0.11%
118 Trash or rubbish fire, contained	2	0.23%
121 Fire in mobile home used as fixed residence	1	0.11%
131 Passenger vehicle fire	3	0.34%
135 Aircraft fire	1	0.11%
138 Off-road vehicle or heavy equipment fire	1	0.11%
141 Forest, woods or wildland fire	3	0.34%
142 Brush or brush-and-grass mixture fire	7	0.80%
143 Grass Fire	2	0.23%
150 Outside rubbish fire, other	2	0.23%
151 Outside rubbish, trash or waste fire	7	0.80%
154 Dumpster or other outside trash receptacle fire	1	0.11%
Total	50	5.68%
<u>2 Overpressure Rupture, Explosion, Overheat (no fire)</u>		
N/A	0	0.00%
Total	0	0.00%
<u>3 Rescue & Emergency Medical Service Incident</u>		
311 Medical assist, assist EMS crew	83	9.43%
3111 Medical assist, cleared by EMS crew on arrival	176	20.00%
3112 Lift assist only, no injury	14	1.59%
3113 Dispatched on medical, cancelled en route	1	0.11%
320 Emergency medical service incident, other	4	0.45%
321 EMS call, excluding vehicle accident with injury	205	23.30%
322 Motor vehicle accident with injuries	10	1.14%
3221 Hurst tool extrication at MVA	1	0.11%
324 Motor vehicle accident with no injuries	7	0.80%
341 Search for person on land	1	0.11%
352 Extrication of victim(s) from vehicle	7	0.80%
3523 Extrication of victim(s) from vehicle	2	0.23%
Total	511	58.07%

4 Hazardous Condition (No Fire)

400 Hazardous condition, other	1	0.11%
411 Gasoline or other flammable liquid spill	1	0.11%
412 Gas leak (natural gas or LPG)	3	0.34%
424 Carbon monoxide incident	2	0.23%
440 Electrical wiring/equipment problem, Other	1	0.11%
441 Heat from short circuit (wiring), defective/worn	3	0.34%
442 Overheated motor	1	0.11%
444 Power line down	50	5.68%
4441 Cable Television Line	24	2.73%
4442 Telephone Line	3	0.34%
445 Arcing, shorted electrical equipment	4	0.45%
4451 Arcing line in tree	1	0.11%
463 Vehicle accident, general cleanup	2	0.23%
Total	96	10.91%

5 Service Call

510 Person in distress, other	1	0.11%
531 Smoke or odor removal	2	0.23%
551 Assist police or other governmental agency	12	1.36%
552 Police matter	6	0.68%
554 Assist invalid	26	2.95%
5612 Burning Complaint / Illegal Burn	1	0.11%
571 Cover assignment, standby, moveup	4	0.45%
Total	52	5.91%

6 Good Intent Call

600 Good intent call, other	18	2.05%
611 Dispatched & canceled en route	68	7.73%
6111 Dispatched & cancelled en route by EMS on scene	21	2.39%
6112 Dispatched & cancelled en route to fire	9	1.02%
6113 Dispatched & cancelled en route to Rescue	1	0.11%
621 Wrong location	1	0.11%
622 No incident found on arrival at dispatch address	19	2.16%
631 Authorized controlled burning	4	0.45%
651 Smoke scare, odor of smoke	3	0.34%
661 EMS call, party transported by non-fire agency	1	0.11%
Total	145	16.48%

7 False Alarm & False Call

700 False alarm or false call, other	8	0.91%
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7002 False alarm or false call, Medical	3	0.34%
711 Municipal alarm system, malicious false alarm	2	0.23%
714 Central station, malicious false alarm	1	0.11%
733 Smoke detector activation due to malfunction	1	0.11%
736 CO detector activation due to malfunction	1	0.11%
7401 CAD System Error No Actual Response	1	0.11%
743 Smoke detector activation, no fire - unintentional	5	0.57%
744 Detector activation, no fire – unintentional	1	0.11%
745 Alarm system activation, no fire - unintentional	1	0.11%
746 Carbon monoxide detector activation, no CO	1	0.11%
Total	25	2.84%

8 Severe Weather & Natural Disaster

813 Wind storm, tornado/hurricane assessment	1	0.11%
Total	1	0.11%

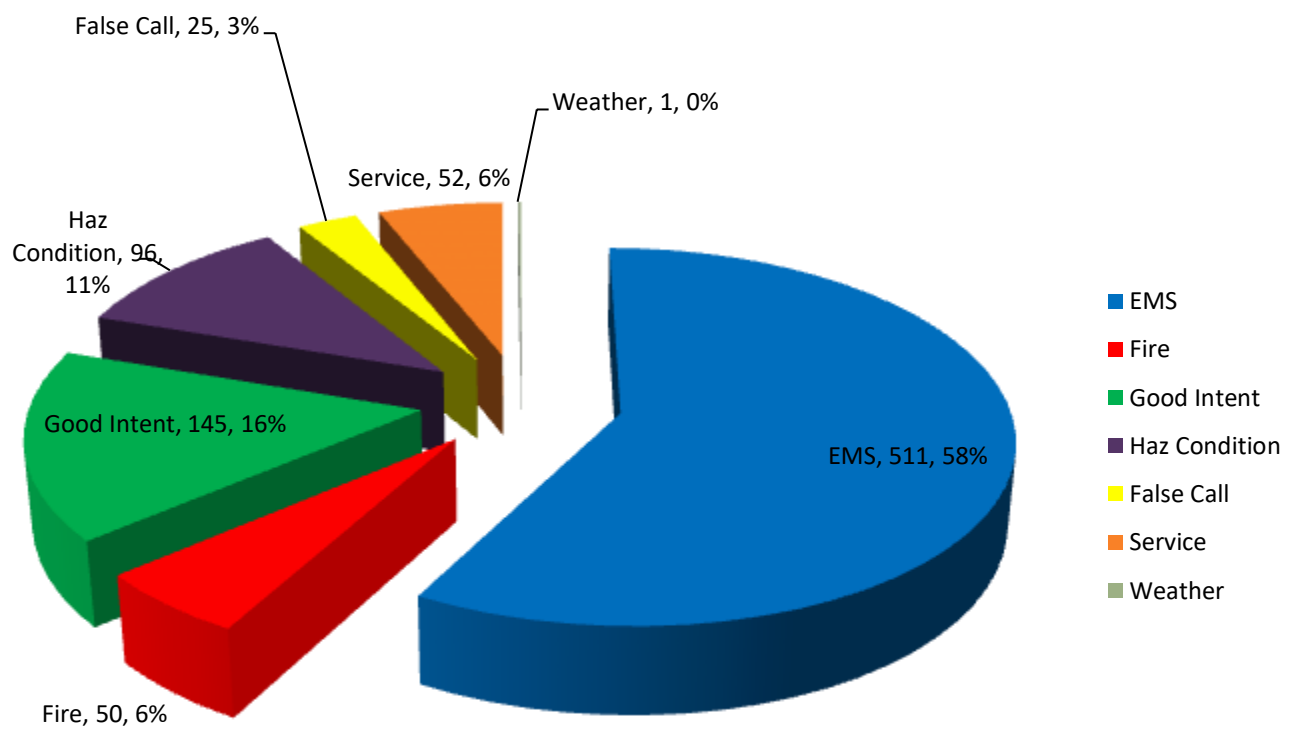
<u>Grand Total for 2019</u>	880	100%
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Incidents by District

	Dalton	Cedar Creek	Lakewood Club	Mutual Aid
Fire	26	1	4	19
EMS	390	42	65	13
Hazard Condition	77	4	11	4
Service Call	36	1	5	10
Good Intent	97	4	17	26
False Call	19	2	2	2
Severe Weather	0	0	1	0

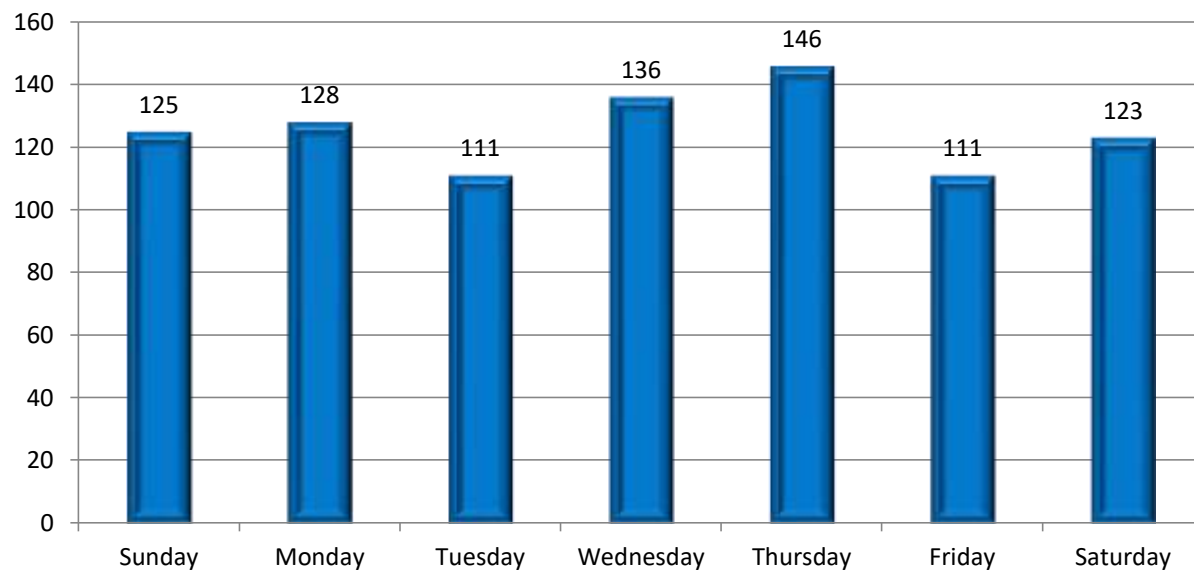
Total incidents for 2019 = 880 (2.41 calls per day)

2019



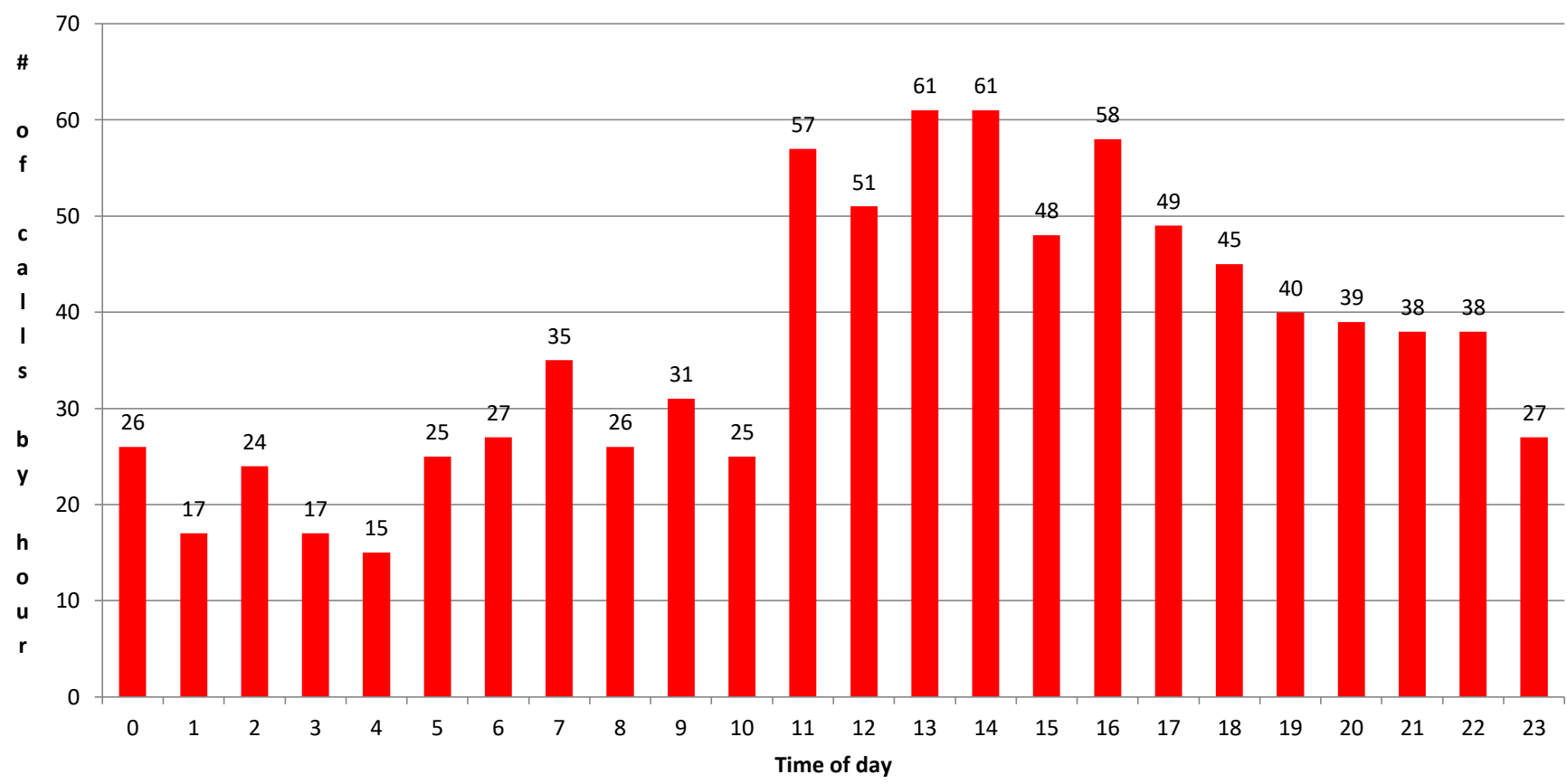
Responses by day of the week

2019



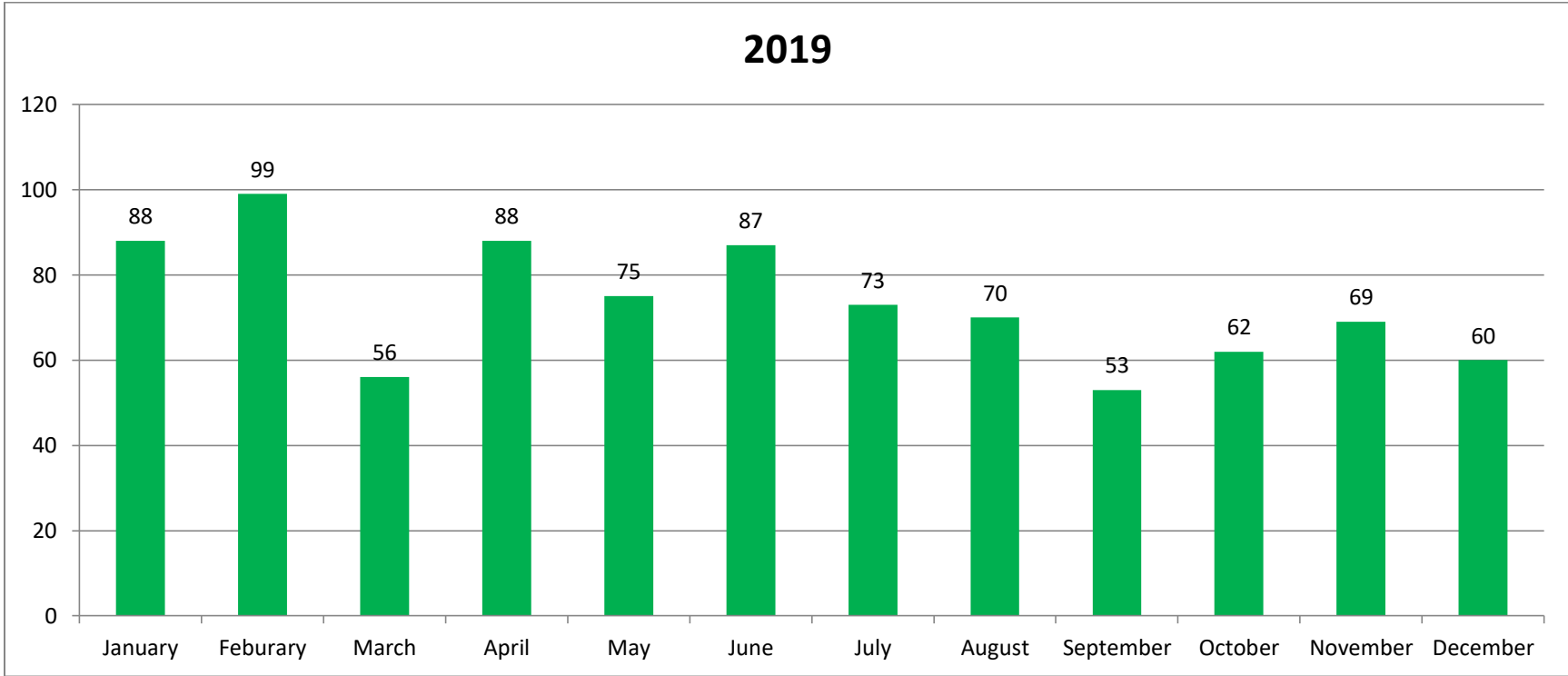
This graph represents the number of response by day of the week, per year.

Responses by time of day 2019



This graph represents the number of calls by time of the day, per year

Reponses by Month



This graph represents monthly responses by year.

Department Apparatus

1220

2008 Peterbilt Pumper/Tanker, this vehicle is our engine that responds to our neighboring departments for fires, it is our 2nd tanker to respond within our response area. 1220 holds 2000 gallons of water. Cost per hour for this unit = \$222.35. This vehicle is due for replacement in 2028 (without 3 years in reserve).

1222

2018 Spartan/Alexis, 4 person Engine. This is our 1st response to all structure fires. This vehicle holds 1000 gallons of water & all fire suppression equipment. Cost per hour for this unit is \$ 276.63. This vehicle was placed into service earlier in 2019; it has several upgrades including the ability to provide medical care, this now allows us to have 5 medically licensed vehicles in the fleet, allowing us to provide greater service to our residents and visitors.

1260

2000 Freightliner Tanker, this 2000 gallon tanker is our 1st response tanker to our primary response area, but is available to neighboring departments if requested. Cost per hour for this unit = \$129.75. This vehicle is due for replacement/rechassinig in 2021 (without 3 years in reserve).

1270

2018 Dodge Ram 1500, this is a State licensed medical response vehicle, and a “manpower” response vehicle. This unit also carries basic EMS equipment and an AED. Cost for this unit per hour = \$24.68. This vehicle should be in service 7-10 years (millage will play a factor).

1272

2000 Freightliner Heavy Squad, this vehicle responds to all auto accidents as well as special rescue calls. It carries a full complement of extrication equipment (Jaws of Life), along with EMS equipment (state licensed) & other special rescue tools. 1272 also has an extra advantage it has a fire pump and water tank, making this a multi-purpose use vehicle. Cost per hour for this unit = \$202.50. This vehicle is due for replacement in 2020 (with no reserve).

1273

2007 Polaris Ranger 6x6 is an added specialty to our fleet. Since DTFD covers a large portion of the Manistee National Forest, along with numerous miles of horse trails throughout our Township, the 6x6 can go places other normal vehicles can't. It has the ability to transport 1 patient from a remote area, as well as fire suppression capabilities on large woods or forest fires. Cost per hour for this unit = \$10.50. (Replacement time is based on usage.)

1274

2019 Dodge Ram, 1274 is a State licensed medical response vehicle; it carries a full complement of EMS equipment, including an AED, 1274 also carries various rescue and firefighting equipment. Cost per hour for this unit = \$181.45. This vehicle is due for replacement in 7-8 years; mileage is a factor (with no reserve).

1275

2015 Saturn 15ft inflatable boat, the boat is used for all water emergencies, our staff trains with the boat & water operations on a consistent basis due to the 7 lakes that are located in our primary response area, along with mutual aid requests. Cost per hour for this unit = \$28.11. Replacement of this unit is based on usage.

1281 & 1282

These are two (2) of our Brush trucks, these vehicles respond to all brush/woods fires. DTFD received 1281 & 1282 from the MI DNR as a revolving truck program; this allows us to have used state owned vehicles at a fraction of the normal cost & allows us to replace it on an as needed basis. Cost per hour per unit = \$17.18. Brush vehicles typically are replaced in 15 yrs. (with an additional 3 years in reserve).

1284

1284 is also a MI DNR vehicle, the "jeep" is yet another piece of equipment that can go into so very "tight" places yet gives us the ability to fight fire on a big scale along with its towing ability it too is a vital part of our fleet. Cost per hour for this unit = \$10.84 Brush vehicles are typically replaced in 15 year (with an additional 3 years in reserve).

1290

2016 Chevy Colorado this vehicle is assigned to the Fire Chief; it carries vital equipment for management of emergency incidents, along with being licensed as a MFR (Medical First Responder) vehicle. Cost per hour for this unit = \$23.18. Replacement in 5-7 years, (mileage/usage does play a factor).

DTFD Station 1

Built in 1995, the Fire Station has 4 double deep or “drive thru” bays, it also has a large training room equipped with a computer and A/V equipment for state of the art trainings and meetings, there is also a small conference area/ study room that the firefighters can use as well. There are offices for both the Fire Chief and Deputy Chief respectively. A kitchen and “dayroom” area is connected so that the firefighters have the home like atmosphere when they are on duty. The living quarters have a full bathroom/shower/locker area for the firefighters along with two bunk rooms (sleeping quarters). The station was recently modified to become “green” this has given us the ability to have our lights within the station to be on sensors and LED, saving the department money.

Apparatus replacement plan (life expectancy definition)

Although there are no standards that give recommendations as to how long a given piece of apparatus should remain in service, one can compare life expectancy based on other organizations. When doing so several factors were taken into account including but not limited to; frequency of use, engine hours, type of usage, preventive maintenance programs, maintenance records, odometer readings, technology changes in current apparatus, and general condition.

Goals for 2020

- ❖ Continue to maintain the highest level of service possible to those we protect. This will be accomplished through positive customer service, strong public education, training and remaining vigilant to our mission, core values and focus.
- ❖ Remain fiscally responsible with budget planning for FY 20-21, this will be accomplished with active budget planning and implementation of a balanced budget and remain within the constraints of the budget.
- ❖ Actively pursue any and all available grants to help supplement the budget with training props to ensure our staff has the best opportunity to prepare for all hazards.
- ❖ Continue to improve the overall operation function of the Department.
- ❖ Begin specification design and bid process to replace our heavy squad (1272).
- ❖ Continue to supply emergency services at Thunderbird Raceway for the 2020 season.
- ❖ Implement yearly NFPA standard 1582 employee physicals.
- ❖ Continue to work on a long term operational philosophy, which will include new capital purchases including but not limited to apparatus, turnout gear, station maintenance, etc.
- ❖ Maintain an open and honest communication line with the staff, the Board, and those we serve.
- ❖ Prepare specification requirements and bidding process for replacement of Heavy Squad (1272) in 2021