



2018 ANNUAL REPORT

City of Fenton Fire Department

CITY OF FENTON

TO LYNN MARKLAND, CITY MANAGER

YEAR IN REVIEW

In 2018, the Fire Department responded to a total of 531 calls for service. This is a 1% decrease from the 537 incidents in 2017. The Fire Department averaged 44 calls for service per month in 2018. There were 369 incidents in the City which is a slight decrease (4.5%) from the 387 in 2017. Our service area in Tyrone Township saw an increase in incidents. In 2018, we responded to 162 incidents in Tyrone Township and that is an 8% increase from the 150 incidents in 2017. In return for our services provided in their Township, Tyrone paid the City approximately \$229,000. The Fire Department billed out approximately \$40,000 in cost recovery charges and collected approximately \$18,000. The average response time to an emergency incident in the city was 6:09, while in Tyrone Township the average was 8:19. Estimated fire property losses more than doubled in 2018, but that was due to one large dollar loss fire in Tyrone Township. Total estimated property losses were \$705,300 in 2018 compared to \$337,500 in 2017. The losses were only \$33,300 in the City and \$672,000 in Tyrone Township. Even though these numbers are up from 2017, they are still extremely low for a coverage area of our size and population. The National Fire Protection Association (NFPA) estimates the nationwide average fire losses for an area with the population we serve in the City and the Township would average around \$870,000. We are consistently below that figure. We have not experienced fire losses that high since 2010.

HIGHLIGHTS OF 2018

In January, we responded to a large residential structure fire on Carmer Road in Tyrone Township. The large home was well involved on our arrival and we were forced to go into a defensive mode. The new construction home was just weeks away from completion. This was one of the larger and more costly fires in recent years.



Also in January, some of our firefighters took on the task of constructing a new equipment storage room upstairs in the station. The new room allows us to lock up and control our Personal Protective Equipment (PPE). This room and all the PPE equipment is maintained and controlled by our department quartermaster, Lieutenant Dustin Lucius.

In March, we hosted a *Courage to be Safe* class here at our station. The class promotes “the courage to do the right thing in order to protect yourself and other firefighters and ensure that Everyone Goes Home at the end of the day”. The class was open to the entire County and was well attended.

HIGHLIGHTS OF 2018 CONTINUED

Captain Karl Sturgis retired at the beginning of 2018 and in April we held a retirement party for him. Karl gave 35 years of service to the community and to the Department.

We had two personnel graduate from the Genesee County Fire Academy in April. Firefighters Sean Caldwell and Tate Hall both passed the State of Michigan written and practical exams and became State certified firefighters.



In May, the Department was invited to join the Andrew G. Schmidt (AGS) middle schoolers for their second annual First Responders Luncheon. The lunch staff at the school hosts the event and local police, fire, and EMS workers were treated to a lunch in the school cafeteria. Each responder was seated at a table with a group of students and they were very prepared with many questions about what we do.

The Department was able to obtain all new 800MHz Motorola radios and they were put into service in April. All radios, including portable, mobile, and the base radio, were replaced. The original 800MHz radios were purchased in 2005 and served us very well. We anticipate the same life from these new radios.

Chief Cairnduff was selected to represent the Great Lakes Division of the International Association of Fire Chiefs (IAFC) as a peer review panelist at the Department of Homeland Security (DHS) and Federal Emergency Management Agency (FEMA) Assistance to Firefighters Grant (AFG) program that was held in Baltimore, Maryland. Chief Cairnduff helped review a portion of the over 5,800 AFG grants that had made it to the peer review process. The Chief spent 3 days in Baltimore reviewing grants and learned valuable information that should help the Department when applying for their own grants.



HIGHLIGHTS OF 2018 CONTINUED

In June, we were notified by the Hundred Club of Genesee, Shiawassee and Lapeer that our grant application was being awarded. We applied for a \$2,700 grant to replace all our Nomex style hoods with new carcinogenic blocking technology hoods. These new hoods help block out the cancer-causing chemicals that we deal with at fires and keep them from being absorbed into our firefighters' skin.

We had two more construction projects completed this year at the station. First was the construction of a new patio area outside the radio room on the West side of the station. The old bricks were removed, and a new exposed aggregate concrete patio was constructed. The materials were purchased by the Firefighter's Association and all the labor came from our firefighters.



The second project was the replacement of the gear racks inside the station. The city purchased the racks and our firefighters assembled and installed them. Both projects turned out great thanks to the hard work of our personnel.



The Department was able to make some very important equipment purchases this past year. The City supported the Departments request to purchase 6 new sets of firefighter Personal Protective Equipment (PPE), two new electric Positive Pressure Ventilation (PPV) fans, and one new Self-Contained Breathing Apparatus (SCBA) compressor and fill station. This equipment is vital to our day to day operations and we are fortunate to receive the continued support from our City.



HIGHLIGHTS OF 2018 CONTINUED

In July, ten of our firefighters along with two STAT EMS employees were honored by the Fenton Freedom Festival and were named as the Grand Marshals of the 4th of July parade. The group was honored for their actions that helped save a life at the scene of a serious vehicle accident. The group was honored at the Grand Marshal reception (even though it was interrupted by a structure fire call) at the Fenton Community Center on July 3rd and then lead the parade on the 4th of July.



In August, the Department once again partnered with STAT EMS and Hurley Trauma Systems to host a free Rescue 911 day camp for kids. The one-day camp is geared for children 8-12 years old and teaches them about water safety, bike safety, fire safety, stranger danger, dialing 911, and many other topics. The camp was well attended and was totally free for the children. The camp even included a lunch provided for by some of our local restaurants.



We were notified in August that our grant application to the Assistance to Firefighters Grant (AFG) program was being awarded. Our grant request was in the amount of \$150,200 for the complete replacement of our Self-Contained Breathing Apparatus (SCBA). The 23 "air packs" that we currently have were purchased in 2004 and have come to the end of their life cycle. This was the second year that we had applied for this and we are extremely lucky to have been awarded this grant.

In October, the entire Department visited the Oakland Community College live fire training complex in Auburn Hills. The Department split into two groups and attended on two different nights. The firefighters were put through many different training evolutions and were faced with live fire scenarios in the building. This type of training is invaluable to our personnel as we are not able to conduct a training using live fire like this.



HIGHLIGHTS OF 2018 CONTINUED

At a City Council meeting in November, the Department presented CPR save awards to four of our personnel for their actions that helped save the life of a patient that had gone into cardiac arrest. The recipients: Lieutenant Dustin Lucius, Firefighters Matt Hadfield, Brandon Brown, and Matt Murray were presented commendation letters, commendation bars, and they were thanked in person by the patient that was present at the meeting.



These are just a few of the many highlights from 2018. Please review the remainder of this report and I hope it helps provide you with some insight about our department and the vital role we play within the community.

Robert Cairnduff
Fire Chief



CITY OF FENTON

Sue Osborn – Mayor

Lynn Markland – City Manager

Tracy Bottecelli – Councilwoman

Nancy Draves – Councilwoman

Scott Grossmeyer – Councilman

Patricia Lockwood – Councilwoman

David McDermott – Councilman

Cherie Smith – Councilwoman

CITY OF FENTON FIRE DEPARTMENT



OFFICERS

Robert Cairnduff
Fire Chief
(Service Date: 7/1996)

Edward Hadfield
Deputy Chief
(Service Date: 8/1982)

Charles Koan
Assistant Chief
(Service Date: 7/1971)

Captain:	Scott Smith	(Service Date: 8/1982)
Captain:	Nick Will	(Service Date: 2/1999)
Lieutenant:	Jeff Shook	(Service Date: 1/1995)
Lieutenant:	Josh Sturgis	(Service Date: 3/2004)
Lieutenant:	Dustin Lucius	(Service Date: 11/2004)
Chief Engineer:	Craig Jensen	(Service Date: 7/1981)

FIREFIGHTERS

Name	Service Date	Name	Service Date
Caleb Alderman	9/2013	Eric Lupinski	8/2018
Paul Bond	5/2013	R. Maksymowski	7/2004
Brandon Brown	9/2013	C. McLaughlin-Smith	9/2016
Sean Caldwell	8/2017	Thufayel Miah	6/2018
Frank Carpenter	1/2007	Al Morea	4/1974
Matt Everhard	5/2009	Matthew Murray	9/2013
Julian Gross	6/2015	Mikel Peterson	4/1984
Matthew Hadfield	7/2007	Anson Ratke	9/2016
Tate Hall	8/2017	Nick Schulz	11/2001
Joe Hoffman	6/2018	David Siburt	9/2014
Ryan Jenema	11/2006	Michael Siburt	7/2016
Michael Johnson	2/2010	Travis Whitman	4/2012

FIRE DEPARTMENT AWARDS

Each year the fire department presents the following awards at its annual Christmas Party. The awards are purchased and presented by the Firefighters Association.

CHIEFS AWARD

The Chiefs Award is given to a person or persons that have gone above and beyond with their service to the Department. The award recipient is chosen by the Chief. This year's recipient was Lieutenant Josh Sturgis. Lieutenant Sturgis joined the Department in March of 2004 and has 14 years of service to the Department. Josh was promoted to Lieutenant in 2017. Josh has helped on many different committees at the Department and is currently serving on the Engine 11 replacement committee. Josh is always willing to help with special projects and in 2018 he took the lead on two big ones. Josh headed up the gear rack and outside patio replacement projects. Josh enjoys his service and respects the history and traditions in the fire service. Lieutenant Sturgis was an easy choice for the Chiefs Award this year.



FIREFIGHTER OF THE YEAR

This year's recipient of the Firefighter of the Year award was Sean Caldwell. This award is given annually to a member of the fire Department and is voted on by the entire membership. Firefighter Caldwell joined the Department in August of 2017. Sean has only been with the department for just over a year, but in that time, he completed his Firefighter 1 & 2 certification, obtained his EMR/MFR State license, has started working on the daytime duty shift, and recently was promoted to Fire Prevention Specialist. Sean is always willing to help and has been a great addition to the Department.



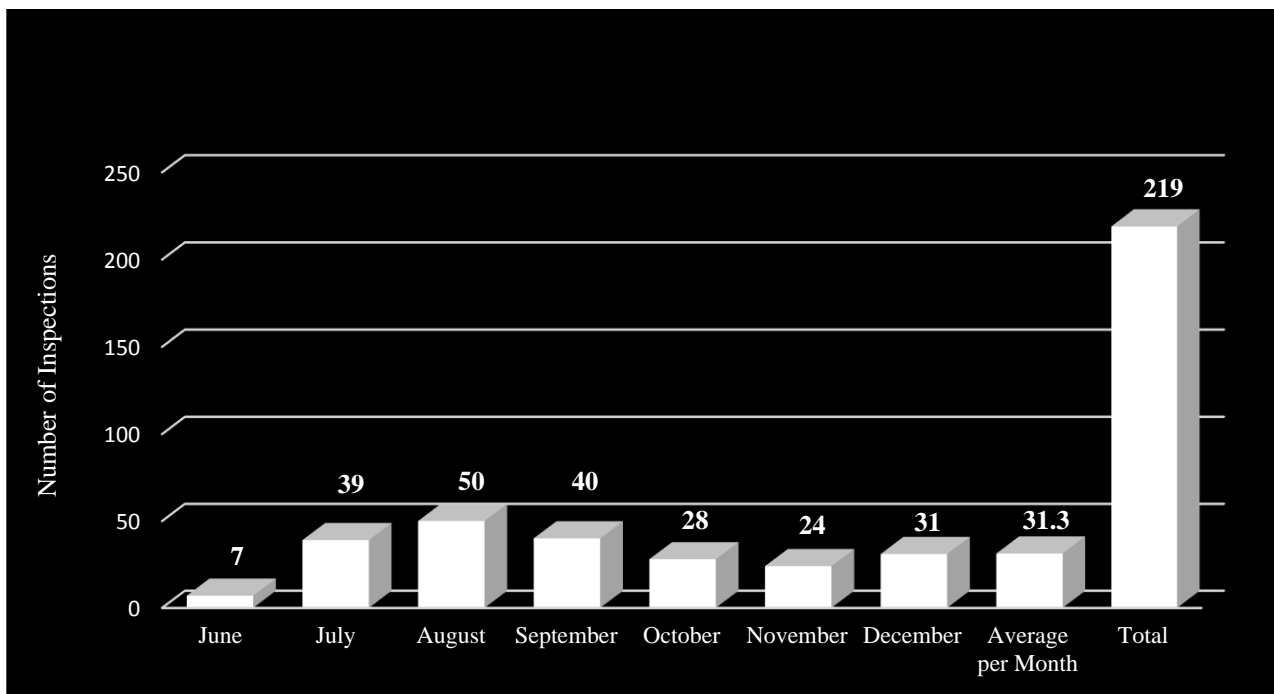
SERVICE AWARDS

The Service Awards are presented by the Firefighters Association and are given out in five-year increments. This year service awards were presented to the following personnel:

Firefighter Caleb Alderman	5 Years
Firefighter Paul Bond	5 Years
Firefighter Brandon Brown	5 Years
Firefighter Matthew Murray	5 Years

BUSINESS FIRE INSPECTIONS

In 2018, the Department hired its first ever part time Fire Inspector. This position was approved in the fiscal year 2018 budget and we formally hired Richard Dylewski in June. Rick had been a firefighter with the City of Clawson for 30 years and he served the last five years as the Chief and Fire Marshal before his retirement. Rick is a State of Michigan Certified Fire Inspector and brings a wealth of knowledge to our inspection program. Since joining the Department in June, Rick has conducted 219 business inspections. Rick works Tuesday, Wednesday, and Thursday and has scheduled inspections every day. Once he conducts the initial inspection, he also performs all follow up inspections to ensure compliance with our adopted fire code.

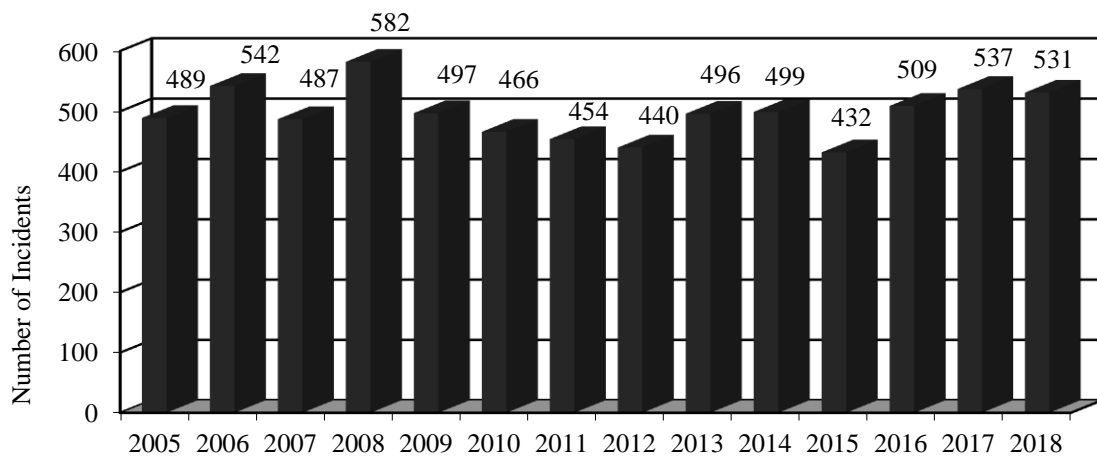




INCIDENT STATISTICS

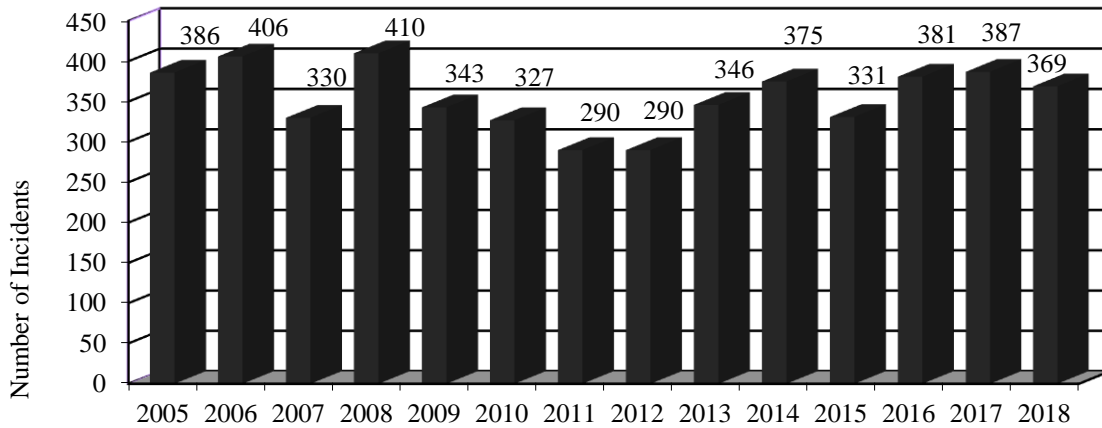
JANUARY 1, 2018 - DECEMBER 31, 2018

NUMBER OF INCIDENTS PER YEAR 2005 – 2018 Total Incidents

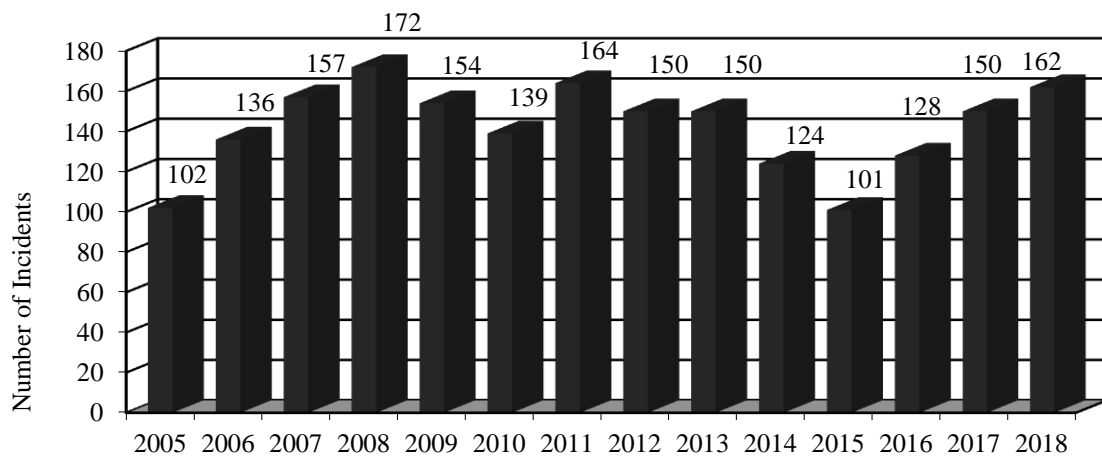


NUMBER OF INCIDENTS PER YEAR 2005 - 2018

City of Fenton

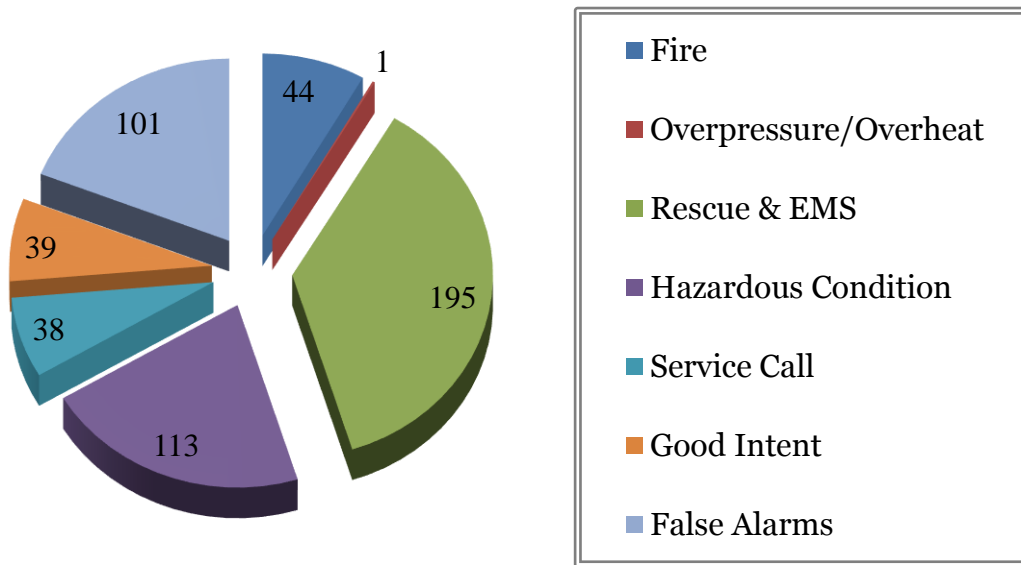


Tyrone Township



INCIDENT REPORTING BY TYPE OF INCIDENT

January 1- December 31, 2018



Type of Incident:

100's Fire	44
200's Overpressure/Overheat	1
300's Rescue & EMS	195
400's Hazardous Condition	113
500's Service Call	38
600's Good Intent	39
700's False Alarm	101

Total Incidents: 531

INCIDENT REPORT SUMMARY

January 1- December 31, 2018

<u>Incident Type</u>	<u>Total Incidents</u>
100 Fire	3
111 Building Fire	7
1111 Mutual Aid Building Fire	14
1113 Mutual Aid Cover Assignment	2
113 Cooking Fire, Confined to Container	3
131 Passenger Vehicle Fire	5
140 Natural Vegetation Fire	1
143 Grass Fire	3
151 Outside Rubbish, Trash or Waste Fire	2
154 Dumpster Fire	4
251 Excessive Heat, Scorch Burns with No Ignition	1
311 Medical Assist, Assist EMS Crew	10
321 EMS Call, Excluding Vehicle Accident with Injury	121
322 Motor Vehicle Accident with Injuries	45
324 Motor Vehicle Accident with No Injuries	13
351 Extrication of Victim(s) from Building	1
352 Extrication of Victim(s) from Vehicle	3
353 Removal of Victim from Stalled Elevator	2
400 Hazardous Condition, Other	3
411 Gas or Other Flammable Liquid Spill	10
412 Gas Leak (Natural Gas or LPG)	15
424 Carbon Monoxide Incident	23
440 Electrical Wire/ Equipment Problem	1
444 Power Line Down	40
445 Arcing, Shorted Electrical Equipment	4
463 Vehicle Accident, General Clean-Up	17

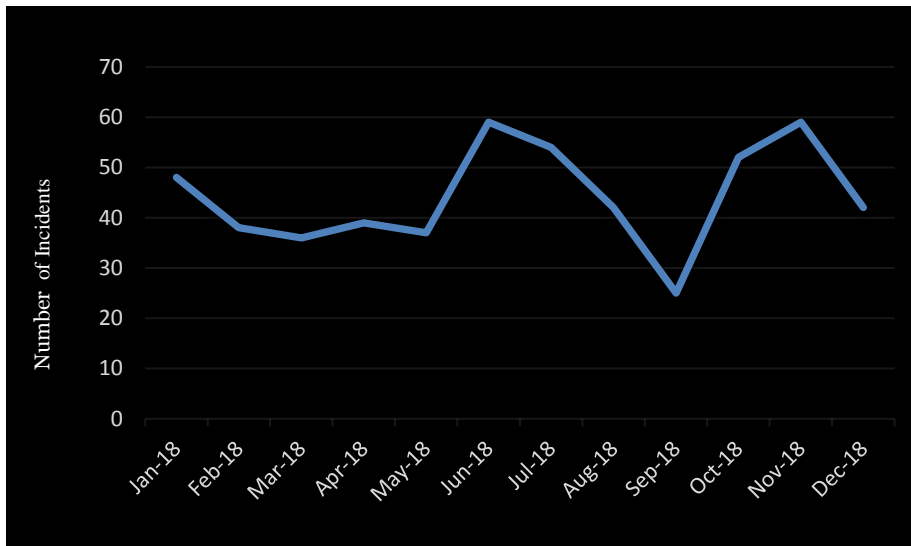
Incident Type**Total Incidents**

500	Service Call, Other	2
522	Water or Steam Leak	1
5311	Smoke/Odor Investigation	26
550	Public Service Assistance	1
551	Assist Police or Governmental Agency	4
561	Unauthorized Burning	4
611	Dispatched and Canceled En Route	34
622	No Incident Found on Arrival at Dispatch Address	3
671	HazMat Release Investigation with no HazMat	2
731	Sprinkler Activation Due to Malfunction	1
743	Smoke Detector Activation, no fire	12
745	Alarm System Activation, no fire, unintentional	83
746	Carbon Monoxide Detector Activation, no CO	5

TOTAL NUMBER OF INCIDIENTS: 531

INCIDENT REPORTING BY MONTH

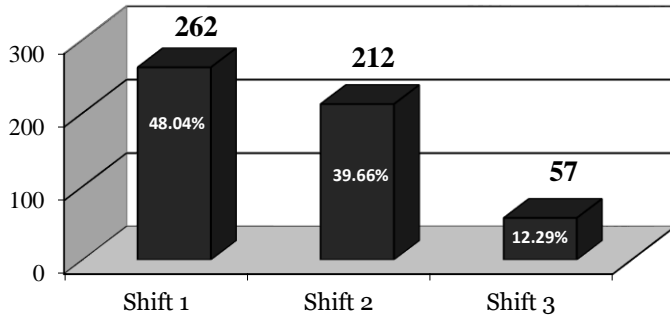
January 1- December 31, 2018



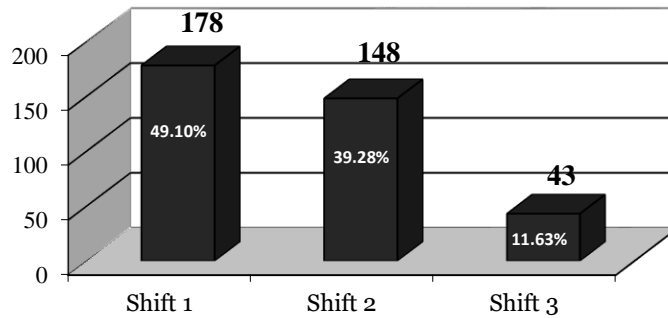
<u>Month</u>	<u>Number of Incidents</u>
January 2018	48
February 2018	38
March 2018	36
April 2018	39
May 2018	37
June 2018	59
July 2018	54
August 2018	42
September 2018	25
October 2018	52
November 2018	59
December 2018	42
TOTAL INCIDENTS:	531

2018 INCIDENTS BY SHIFT

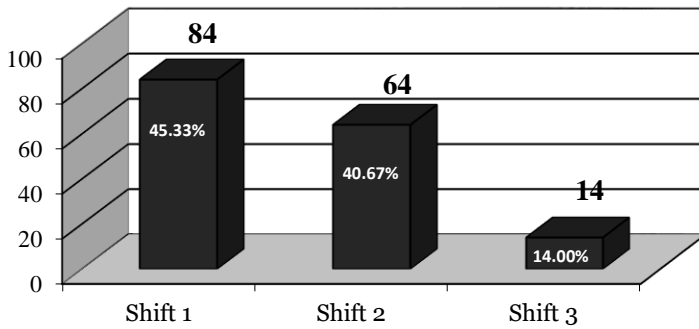
Total Incidents by Shift
(Total 531)



Incidents by Shift
City Only
(Total 369)

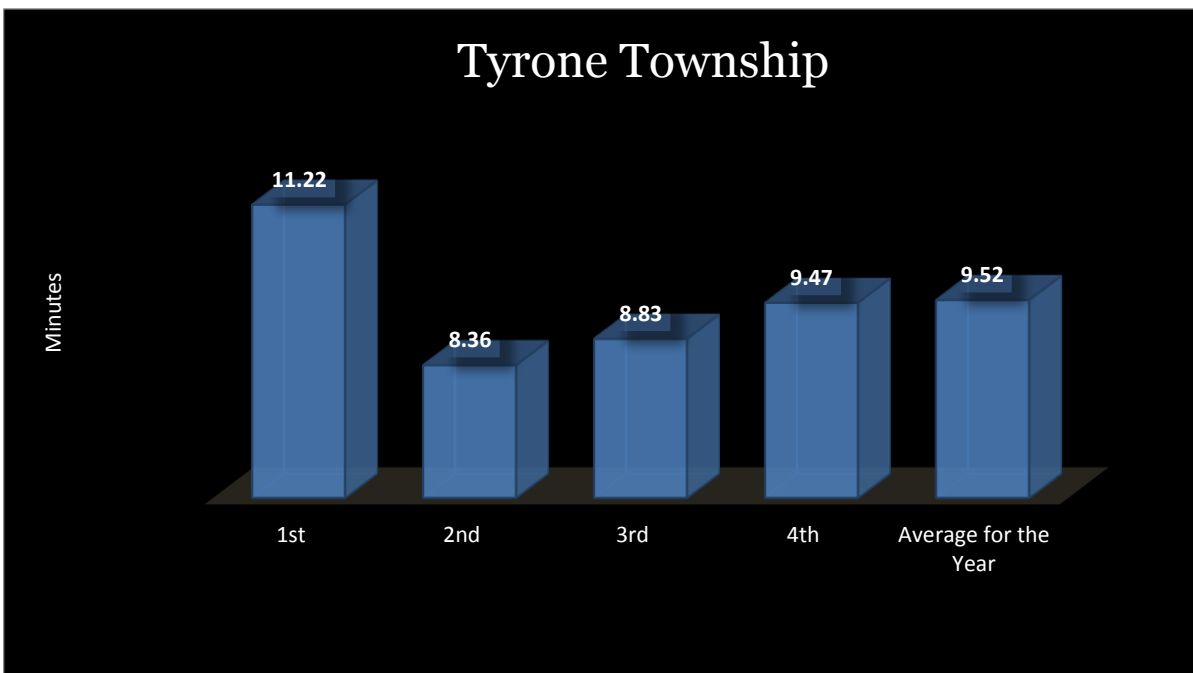
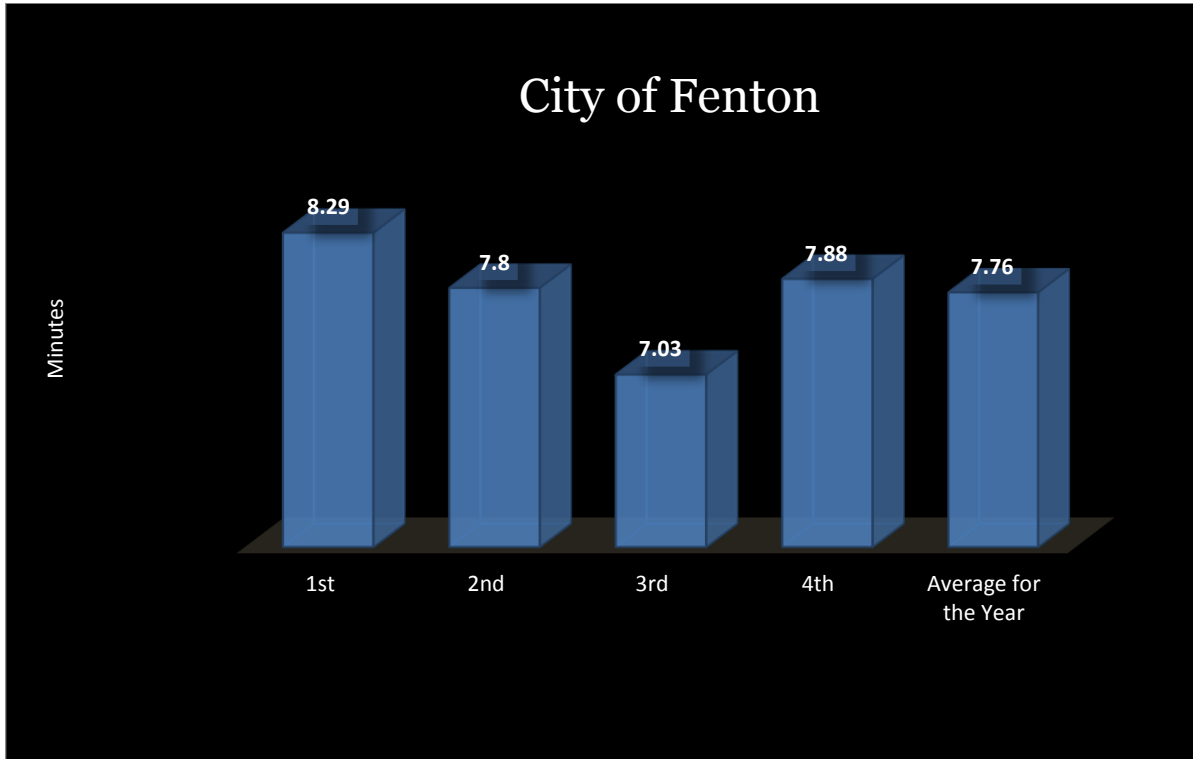


Incidents by Shift
Tyrone Township
(Total 162)



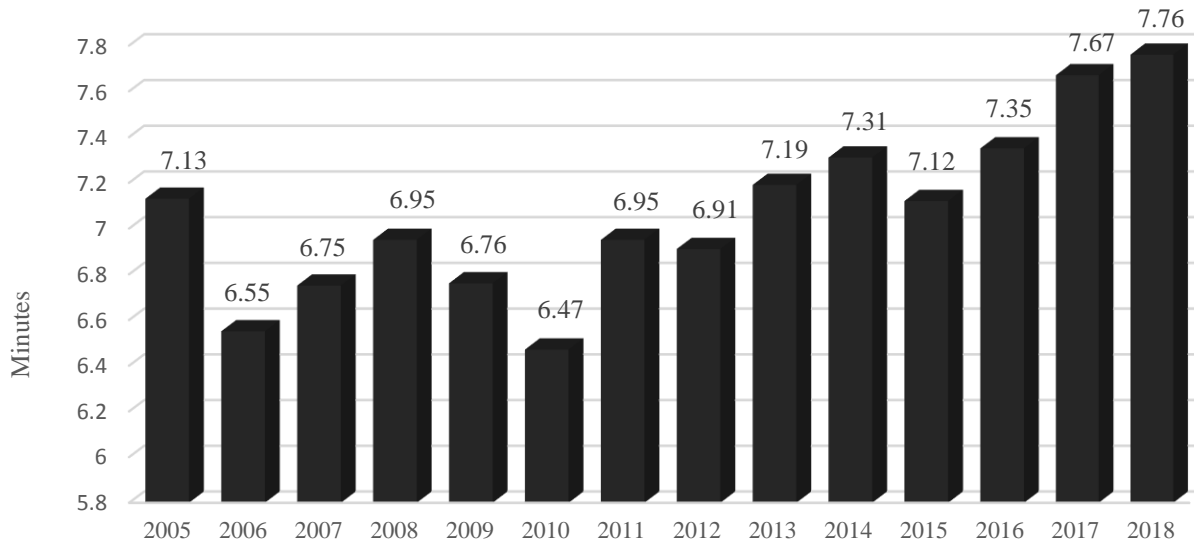
1st Shift: 6:00am – 3:59pm
2nd Shift: 4:00pm – 11:59pm
3rd Shift: Midnight – 5:59am

2018 INCIDENT RESPONSE TIMES BY QUARTER

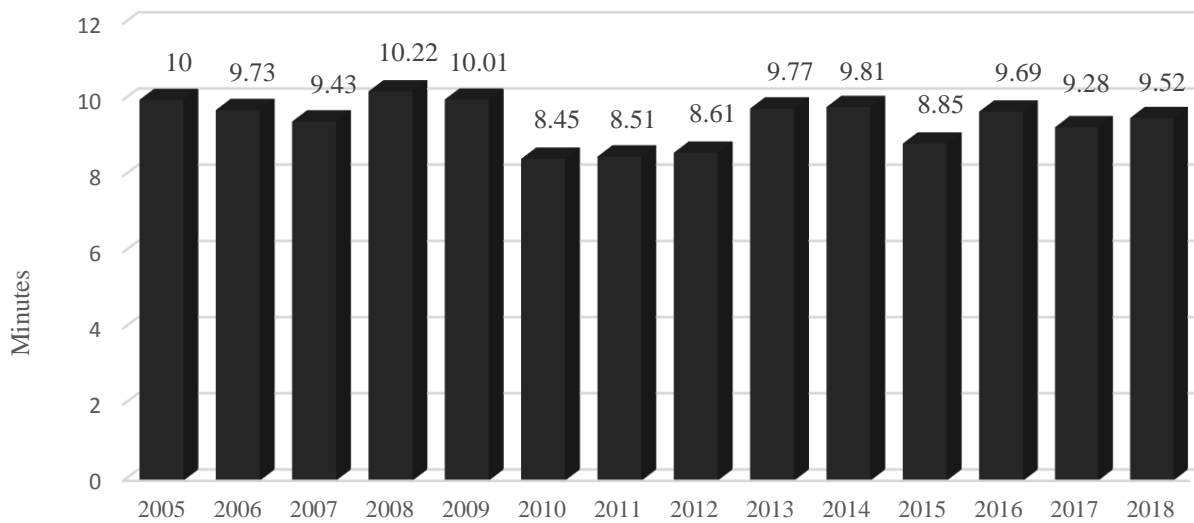


AVERAGE YEARLY INCIDENT RESPONSE TIMES

City of Fenton

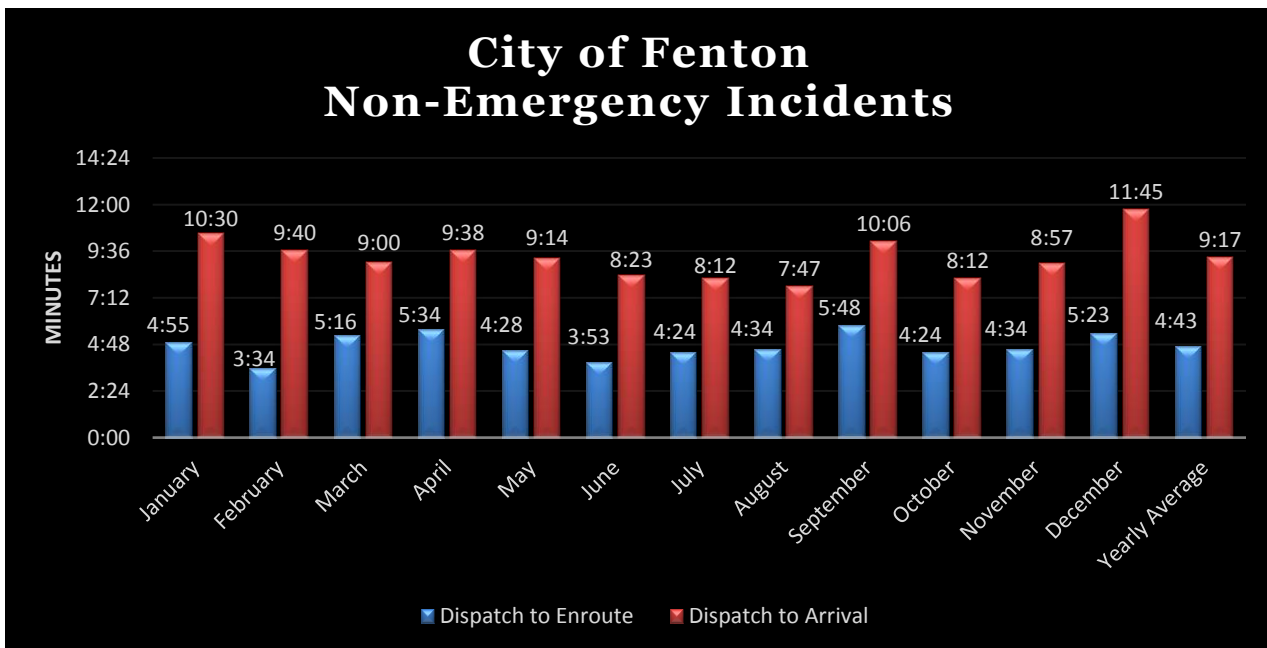
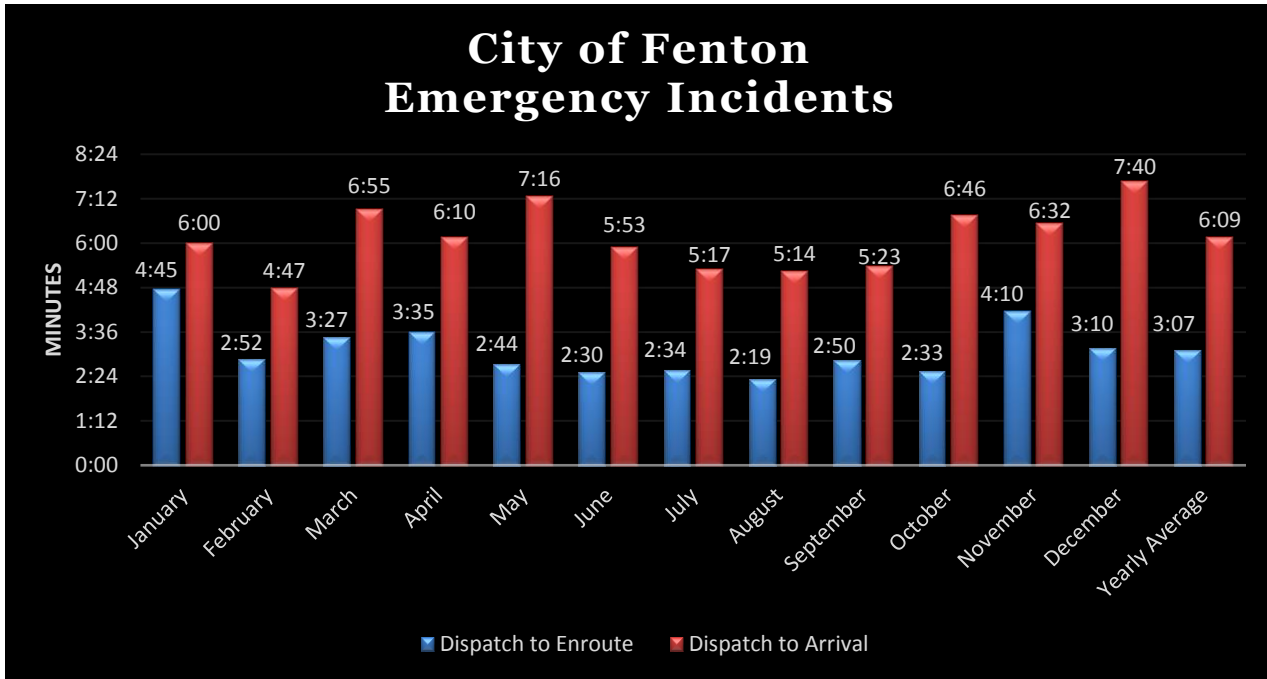


Tyrone Township



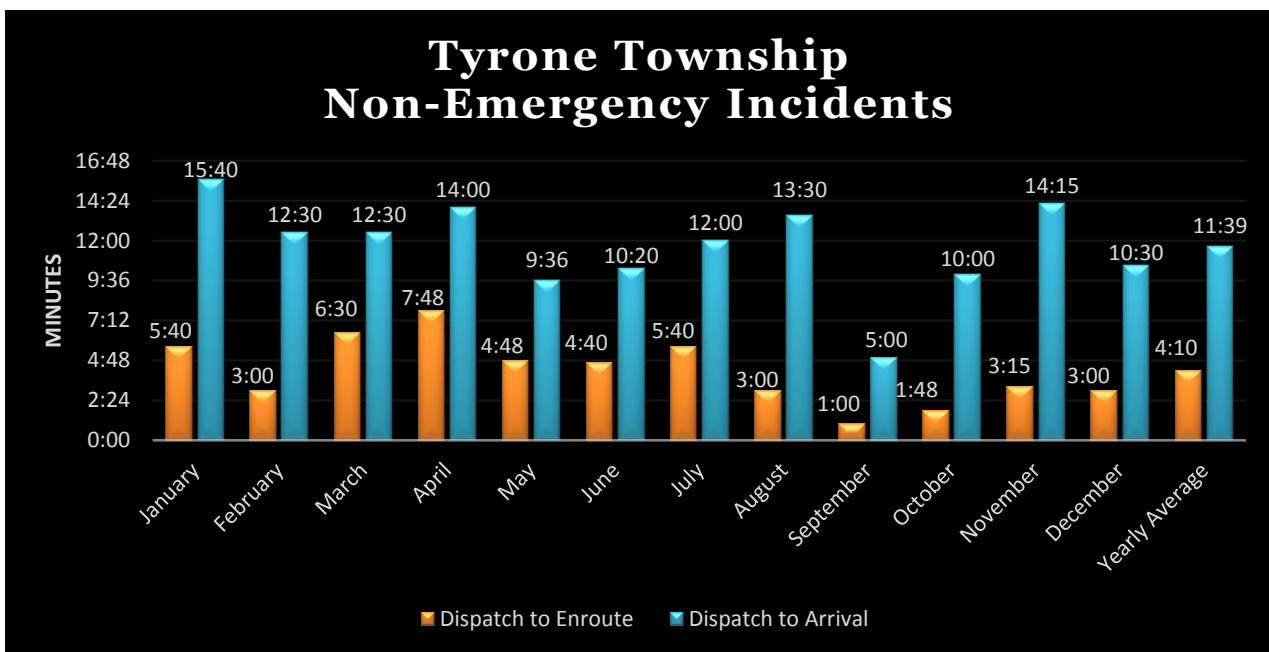
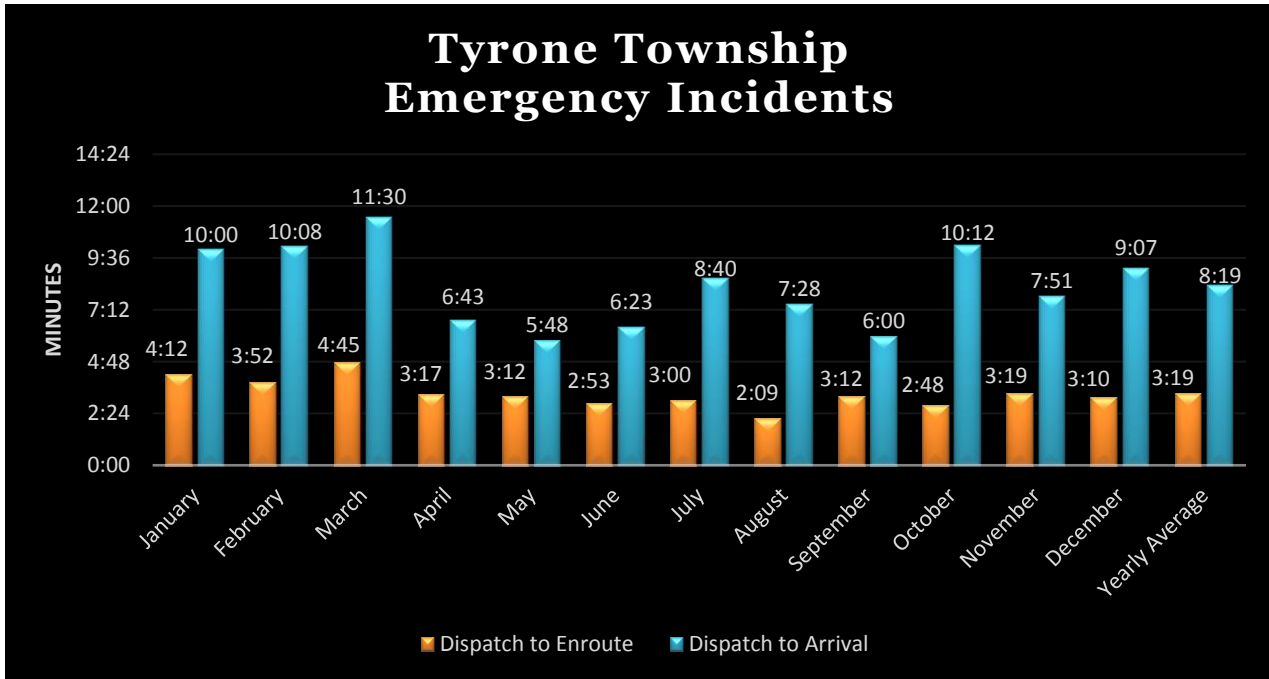
EMERGENCY VS. NON-EMERGENCY RESPONSE TIMES

CITY OF FENTON ONLY



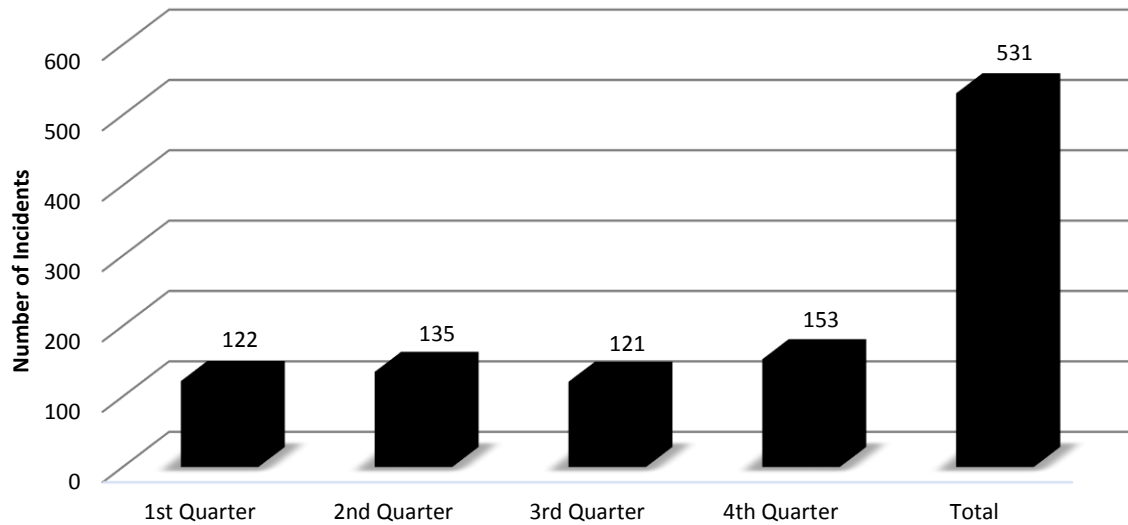
EMERGENCY VS. NON-EMERGENCY RESPONSE TIMES

TYRONE TOWNSHIP ONLY

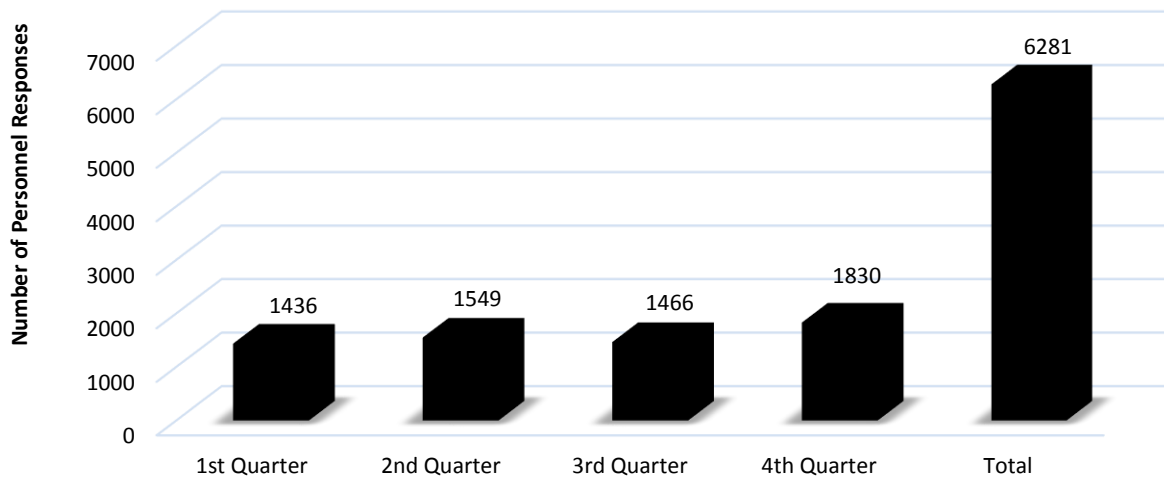


QUARTERLY INCIDENT PAYROLL

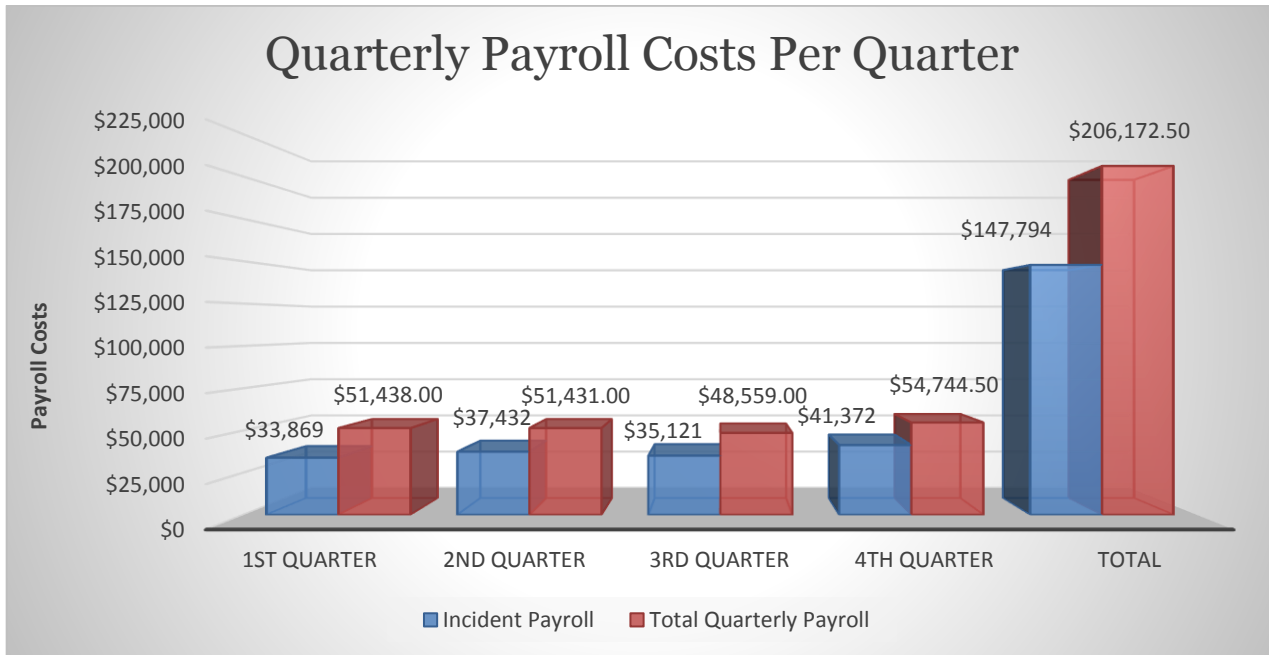
Number of Incidents Per Quarter



Number of Personnel Responses Per Quarter



QUARTERLY INCIDENT PAYROLL (CON'T)

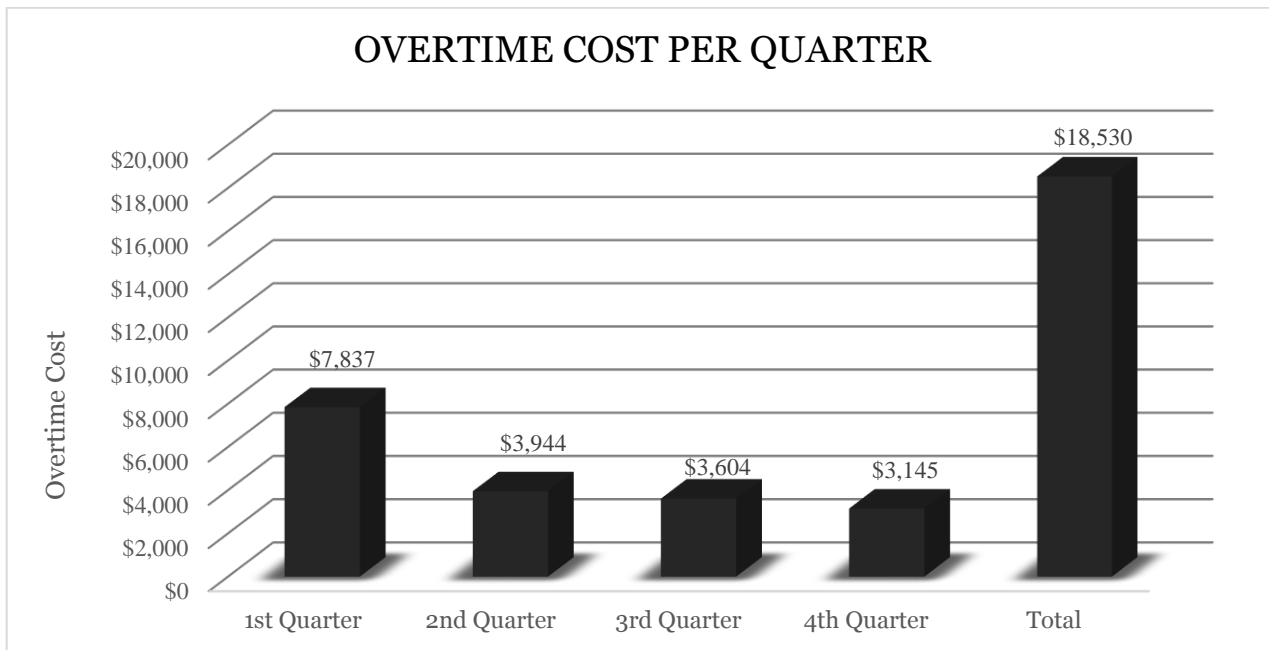
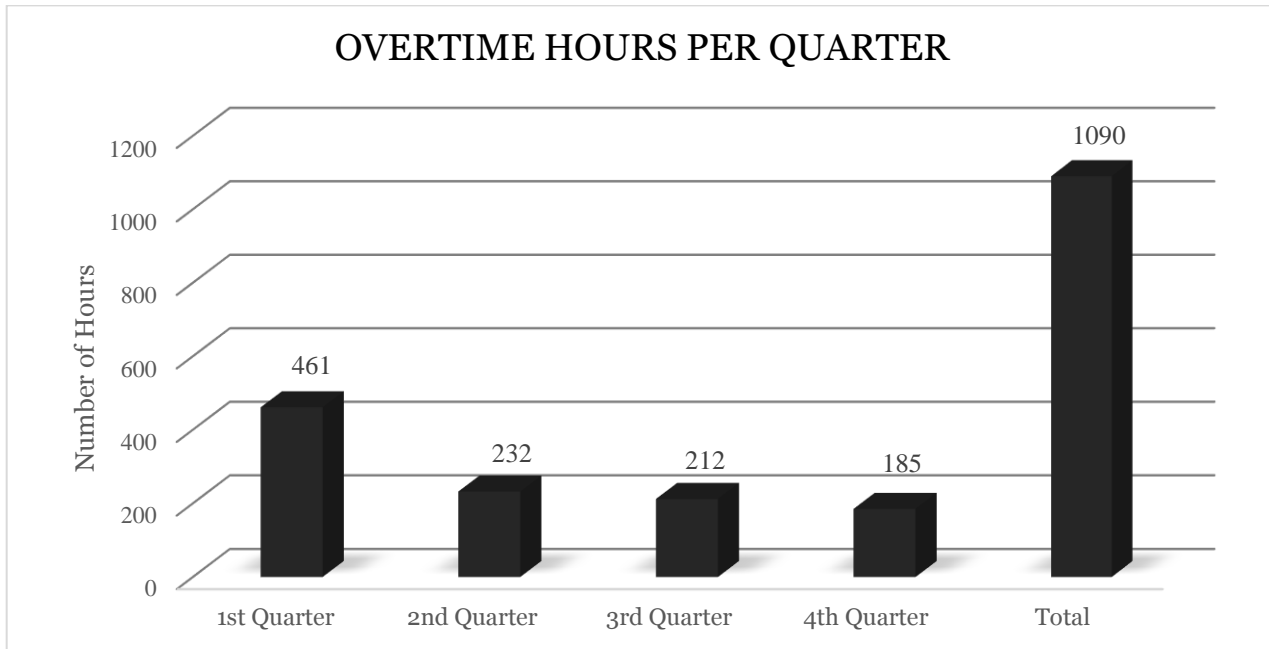


Incident Payroll includes incident responses and overtime pay.

Total Payroll includes incident payroll, training pay, fire prevention, officer pay, and weekend duty officer pay.

The Fire Chief, Administrative Assistant, and the duty shift are not included in these totals.

QUARTERLY INCIDENT PAYROLL (CON'T)



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