

CITY OF FENTON FIRE DEPARTMENT



2016

ANNUAL REPORT

Mission Statement:
To protect life and property of the
people of our community with the highest
quality of service possible.



CITY OF FENTON

TO LYNN MARKLAND, CITY MANAGER

YEAR IN REVIEW

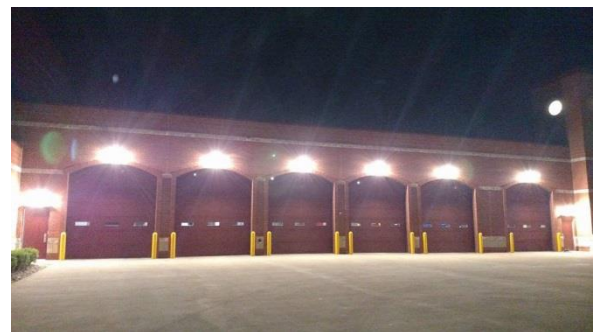
The Department responded to a total of 509 incidents in 2016, compared to 432 in 2015. That was an increase of 18%. The 509 incidents in 2016 was the highest yearly total since 2008 when we had 582 incidents. We averaged 42 incidents per month. There were 381 incidents in the City, an increase of 50 incidents compared to 2015, and 128 incidents in Tyrone Township representing an increase of 27 incidents compared to 2015. Tyrone Township in return paid the City approximately \$175,000 for fire services in 2016. The Department billed over \$35,000 in fire cost recovery charges and collected \$21,655. The average response time to emergency incidents in the City was 6:23 minutes and to non-emergency incidents it was 8:36. In Tyrone Township the average response time to an emergency incident was 9:27 minutes and to non-emergency incidents it was 10:41 minutes. Estimated property fire losses in 2016 amounted to approximately \$281,000 with \$166,000 being lost in the City and \$115,000 lost in Tyrone Township.

HIGHLIGHTS OF 2016

In January, the department placed into service our new KME Mini-Pumper. The new truck was purchased with funds from the truck fund at an approximate cost of \$221,000. The truck went into service on January 14th after all of the members were trained on its use. This truck replaced our 1999 EVI light rescue truck. The new truck was featured at two fire industry trade shows. One was at the SE Michigan Fire Expo in Novi, MI and the other was at FDIC in Indianapolis, IN.

At the March City Council meeting we were able to have a new three year EMS contract approved. The new contract with STAT EMS and the City of Linden will run through the end of 2018. STAT EMS has been covering the City of Fenton and Linden since February of 2010. The contract has worked well for all parties involved. STAT responded to 1,872 calls for service in the City of Fenton during 2016. Since 2010, when STAT started serving the City, they have responded to 11,473 calls for service and have transported 9,496 patients.

In June, the station received some needed upgrades. The City Council approved an LED lighting project where we worked with Consumers Energy to change out all of our apparatus high bay lights, outside wall lights, and sign lights with new LED light fixtures. The lights require much less maintenance and will provide a 3-4 year payback in energy costs. We also upgraded all of the inside safety bollard posts with plastic bollard sleeves. These covers will prevent us from having to paint the posts every couple years and they look much better.



HIGHLIGHTS OF 2016 CONT.

Our department hosted and instructed a countywide Rapid Intervention Team (RIT) class in June. The class was paid for by the County Fire Training Committee and was open to all departments in the county. The classroom portion was held at the station while the “hands-on” portion was held at the vacant strip mall on Leroy St (the old Hometown Computers building).

The department was awarded a Safety Grant from the Hundred Club of Genesee, Shiawassee, and Lapeer Counties. In June, the department was awarded our grant request of \$1,500 to purchase new structural firefighting gloves for all of our members.

The summer of 2016 was one of the driest in recent memory. The department issued a complete burning ban on June 28th and it was in place for almost a month, until July 22nd when it was lifted. Almost all of the surrounding municipalities followed the same time frame for their bans as well.

In July, the department was invited to attend a “Blessing of the Vehicles” event put on by St. Mary Magdalene Orthodox Church on South Long Lake Rd. The congregation held a short ceremony to bless all of the emergency vehicles that were present and then held a picnic luncheon for all the responders. It was a very unique chance for the department to meet the congregation and interact with its members.



In July, we partnered with STAT EMS and Hurley Hospital for our first ever Rescue 911 camp here in the city. The camp was held at Bush Park and was free to attendees. We had over 90 kids attend the camp. We had representatives from the police department, fire department, CN Railroad, Hurley Trauma, and STAT EMS present many different safety related and educational activities.

The department purchased the Zoll Auto Pulse Cardio Pulmonary Resuscitation (CPR) system in August 2016. We were able to purchase this equipment with funds from our department budget and contributions from STAT EMS and Genesys Regional Medical Center. This automated CPR machine provides high-quality automated CPR to victims of sudden cardiac arrest. The system is easy to use, battery operated, and squeezes the patient's entire chest to improve blood flow to the heart and brain. The resuscitation system automatically sizes to the patient, and has shown improved outcomes in numerous clinical trials. We have been very impressed with its performance so far.



HIGHLIGHTS OF 2016 CONT.

In September the department unveiled its new 9/11 memorial site. Through many long hours of preparation, fundraising, and hard work, our members dedicated a beautiful new memorial to all of those that were lost on September 11th, 2001. There was an official dedication ceremony that was held on September 11th and an unveiling of the memorial stones that feature an actual piece of steel from the World Trade Center. The event was well attended and the site turned out better than we had hoped. The project cost was over \$20,000 and it is a great addition to the downtown area.



Also in September, the Fenton High School football team held its first ever "Hero's Night". The evening honored military, police, and fire personnel. All of the Fenton players wore jerseys to honor the military personnel and local responders. Chief Cairnduff was honored to have his name worn by one of the Fenton players. After the game, there was a ceremony and the jerseys were presented to those that were honored.



The Department hired four new firefighters in September. All four came to us with no experience and were enrolled in the Genesee County fire academy that started in October. All of the new hires will complete the fire academy and then move on to their EMS training. With these additions to the department it brings our total force to 33.



HIGHLIGHTS OF 2016 CONT.

The department responded to two separate fatal train accidents in November. While we have had our share of train accidents over the years, having two in one week is pretty unusual. The trains and tracks can become fairly routine to all of us until you have to deal with two unfortunate incidents so close together.

Also in November, the department participated in the high school video production class filming of a new Crime Stoppers video. The video was filmed on the property at Silver Lake Rd and Poplar St that was slated for demolition. The video featured participants from police agencies, EMS, fire, and actors from the school.



In December, we started using the “box card” system for fire incidents. This is part of the progression to using the Mutual Aid Box Alarm System (MABAS) in our county. We were the first department in the county to start using the system. MABAS is an automated box alarm mutual aid system that has preprogrammed responses built on cards that the dispatchers use to speed up mutual aid requests on larger incidents.

Please review the remainder of this annual report. I hope it helps provide you with insight about the fire department and its role within our community.

Robert Cairnduff

Fire Chief

CITY OF FENTON

Sue Osborn – Mayor

Lynn Markland – City Manager

Nancy Draves – Councilwoman

Scott Grossmeyer – Councilman

Bradley Jacob – 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) |
| Lieutenant: | Nick Will | (Service Date: 2/1999) |
| Lieutenant: | Jeff Shook | (Service Date: 1/1995) |
| Lieutenant: | Casey Gilbert | (Service Date: 11/2001) |
| Chief Engineer: | Craig Jensen | (Service Date: 7/1981) |

FIREFIGHTERS

| Name | Service Date | Name | Service Date |
|------------------|--------------|---------------------|--------------|
| Caleb Alderman | 9/2013 | R. Maksymowski | 7/2004 |
| Paul Bond | 5/2013 | C. McLaughlin-Smith | 9/2016 |
| Brandon Brown | 9/2013 | Al Morea | 4/1974 |
| Frank Carpenter | 1/2007 | Matthew Murray | 8/2013 |
| Andrew Evans | 2/2010 | Mikel Peterson | 4/1984 |
| Matt Everhard | 5/2009 | Anson Ratke | 9/2016 |
| Julian Gross | 6/2015 | Nick Schulz | 11/2001 |
| Matthew Hadfield | 7/2007 | David Siburt | 9/2014 |
| Ryan Jenema | 11/2006 | Michael Siburt | 7/2016 |
| Michael Johnson | 2/2010 | Josh Sturgis | 3/2004 |
| Kelsey Jones | 10/2007 | Karl Surgis | 1/1983 |
| Eric Kanyak | 8/2011 | Travis Whitman | 4/2012 |
| Dustin Lucius | 11/2004 | | |

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.

FIREFIGHTER OF THE YEAR

Deputy Chief Ed Hadfield was chosen as this year's recipient of the Firefighter of the Year award. This award is given annually to a member of the department and is voted on by the entire membership. Ed joined the department in August of 1982 and has served for 34 years. Everyone on the department knows how dedicated Ed is to this department. He puts in many extra hours at the station taking care of many special projects. Ed is also very involved with our Genesee County Fire Academy and serves on the Genesee County Training Committee. Deputy Chief Hadfield is very deserving of this award!



CHIEFS AWARD

The Chief's 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 award was presented to Firefighter Brandon Brown. Brandon joined the department in September of 2013. Brandon has become a very valuable member of the department. Brandon was chosen for the award due to his commitment to the department and for always showing compassion to the people we interact with. Brandon has shown his compassion consistently and is a perfect example of someone that enjoys "serving his community".



SERVICE AWARDS

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

| | |
|------------------------------|----------|
| Firefighter Ryan Jenema | 10 Years |
| Firefighter Nick Schulz | 15 Years |
| Lieutenant Casey Gilbert | 15 Years |
| Chief Robert Cairnduff | 20 Years |
| Firefighter Frank Carpenter | 30 Years |
| Chief Engineer Craig Jensen | 35 Years |
| Assistant Chief Charlie Koan | 45 Years |



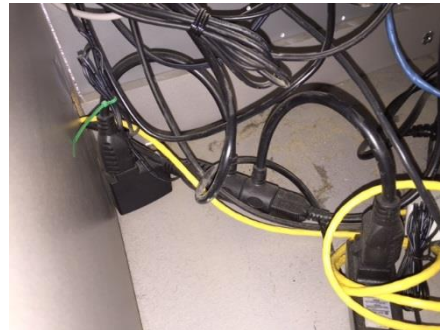
This year Assistant Chief Charlie Koan received his 45 year service award. He has faithfully served his community since July of 1971 when he joined the department. Chief Koan is currently the longest serving member on the department and the longest serving person since Shull Woodworth who retired in 1969 with 50 years of service.

FIRE PREVENTION

EDUCATION

2016 was another great success for our Fire Prevention Education Department. Each year our Fire Prevention Specialists Dustin Lucius and Matt Everhard, along with fellow firefighters, teach the importance of fire safety to many children within our community. Our program has reached over 1,800 children this year, ranging in ages from 2 to 12 years old. Our programs reach classes from all 3 public elementary schools, our Ellen Street early childhood development school, St. John's Catholic School, Fenton Montessori School, local child care facilities, home school groups, mom's groups, Boy and Girl Scout groups, local safety events and our annual Fire Safety open house.

Our program is set up to teach children the importance of fire safety. We start with the basics, and as the year's progress and the children return, we teach them something new each year to build on, while also reviewing items from the past years as well. Our program has developed into an example of how our department can effect positive outcomes by interacting with the people of our community. By having a comprehensive program we can educate children at a young age about the dangers of fire.



INSPECTIONS

Our fire inspectors that work our daytime "duty shift" perform inspections Monday through Friday between the hours of 12-5pm. Our inspections are scheduled with the business at least two weeks in advance and they are provided with all the required paperwork as well as a pre-inspection check list that will help them prepare for the inspection.

Our inspectors performed 135 initial inspections and an additional 437 re-inspections for follow up on violations found during the initial inspection. The most common violations found continue to be misuse of extension cords and electrical adaptors and the maintenance of emergency lights and emergency exit signs. We work with the business to help reduce the risk of fire and to also make sure it is safe for employees and customers.

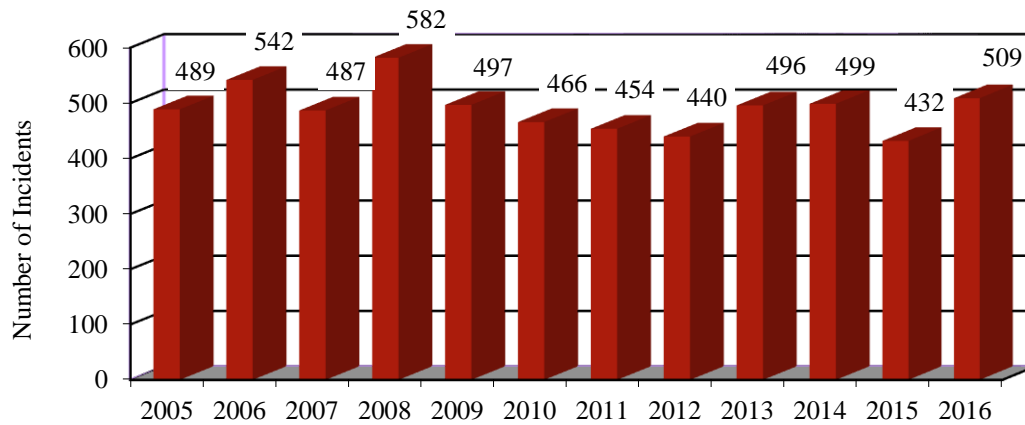


INCIDENT STATISTICS

JANUARY 1, 2016 - DECEMBER 31, 2016

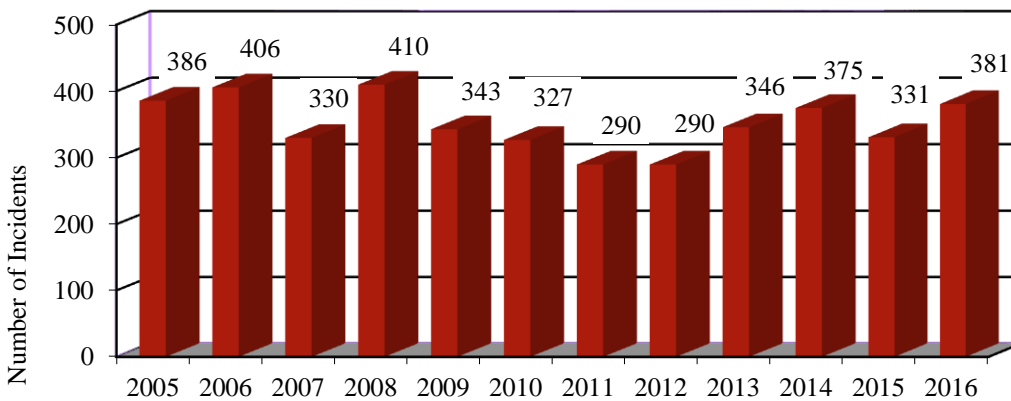
NUMBER OF INCIDENTS PER YEAR 2005 - 2016 TOTAL INCIDENTS

CITY OF FENTON FIRE DEPARTMENT INCIDENTS PER YEAR 2005 - 2016

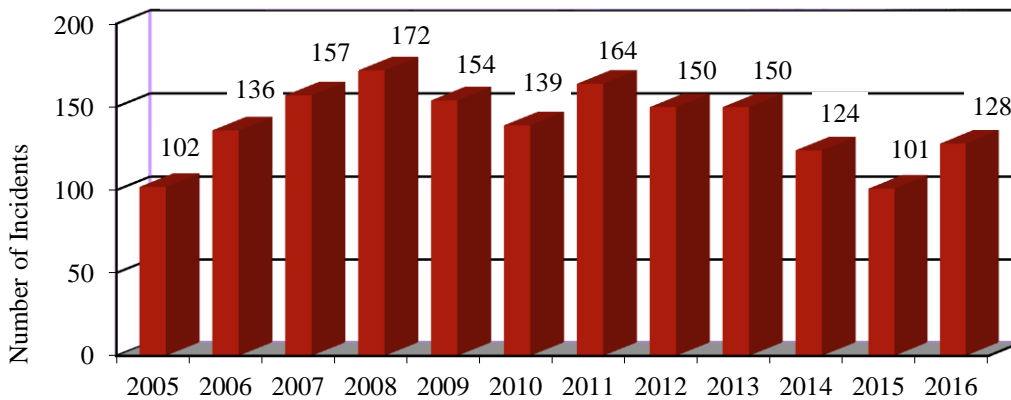


NUMBER OF INCIDENTS PER YEAR 2005 - 2016

CITY OF FENTON

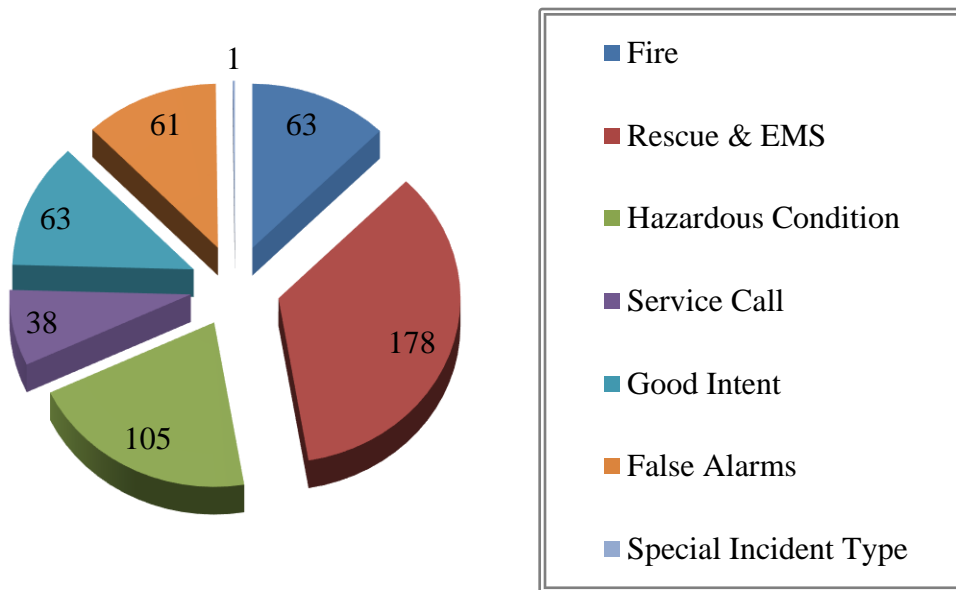


TYRONE TOWNSHIP



INCIDENT REPORTING BY TYPE OF INCIDENT

JANUARY 1- DECEMBER 31, 2016



Type of Incident:

| | |
|-----------------------------|-----|
| 100's Fire | 63 |
| 300's Rescue & EMS | 178 |
| 400's Hazardous Condition | 105 |
| 500's Service Call | 38 |
| 600's Good Intent | 63 |
| 700's False Alarm | 61 |
| 900's Special Incident Type | 1 |

Total Incidents: 509

INCIDENT REPORT SUMMARY

JANUARY 1- DECEMBER 31, 2016

| <u>Incident Type</u> | | <u>Total Incidents</u> |
|----------------------|---|------------------------|
| 100 | Fire | 2 |
| 111 | Building Fire | 10 |
| 1111 | Mutual Aid Building Fire | 21 |
| 1113 | Mutual Aid Cover Assignment | 5 |
| 113 | Cooking fire, Confined to Container | 2 |
| 114 | Chimney Fire Contained to Chimney or Flue | 1 |
| 131 | Passenger Vehicle Fire | 9 |
| 132 | Road Freight or Transport Vehicle Fire | 1 |
| 136 | Self-Propelled Motor Home or Recreational Vehicle | 1 |
| 138 | Off-Road Vehicle or Heavy Equipment Fire | 1 |
| 140 | Natural Vegetation Fire, other | 1 |
| 143 | Grass Fire | 5 |
| 154 | Dumpster Fire | 3 |
| 162 | Outside Equipment Fire | 1 |
| | | |
| 311 | Medical Assist, Assist EMS Crew | 7 |
| 321 | EMS Call, Excluding Vehicle Accident with Injury | 108 |
| 322 | Motor Vehicle Accident with Injuries | 35 |
| 323 | Motor Vehicle/Pedestrian accident | 6 |
| 324 | Motor Vehicle Accident with No Injuries | 14 |
| 352 | Extrication of Victim(s) from Vehicle | 7 |
| 353 | Removal of Victim from Stalled Elevator | 1 |
| | | |
| 411 | Gas or Other Flammable Liquid Spill | 10 |
| 412 | Gas Leak (Natural Gas or LPG) | 14 |
| 422 | Chemical Spill or Leak | 2 |
| 424 | Carbon Monoxide Incident | 13 |
| 444 | Power Line Down | 43 |
| 445 | Arcing, Shorted Electrical Equipment | 2 |
| 463 | Vehicle Accident, General Clean-Up | 21 |
| | | |
| 500 | Service Call, Other | 1 |
| 510 | Person in Distress, Other | 1 |
| 5311 | Smoke/Odor Investigation | 21 |
| 551 | Assist Police or Governmental Agency | 2 |
| 554 | Assist Invalid | 2 |
| 561 | Unauthorized Burning | 11 |

Incident Type**Total Incidents**

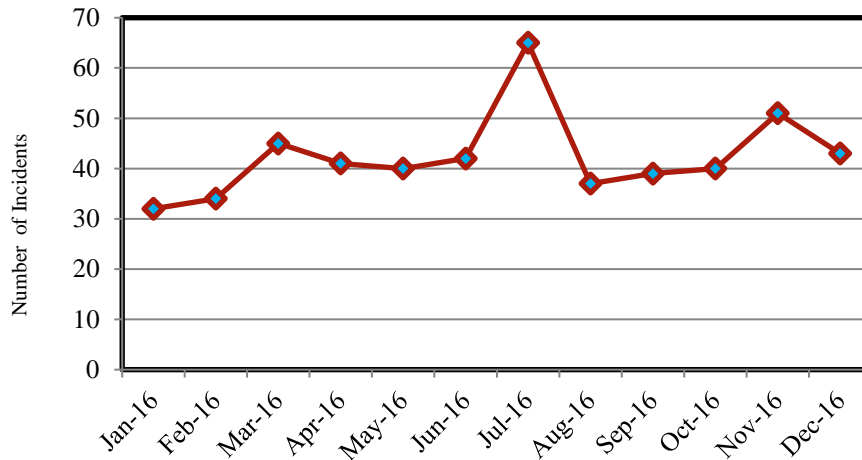
| | | |
|-----|--|----|
| 600 | Good Intent Call, Other | 1 |
| 611 | Dispatched and Canceled En Route | 45 |
| 622 | No Incident Found on Arrival at Dispatch Address | 12 |
| 631 | Authorized Controlled Burning | 2 |
| 650 | Steam, Other Gas Mistaken for Smoke | 1 |
| 671 | HazMat Release Investigation with no HazMat | 2 |
| 731 | Sprinkler Activation Due to Malfunction | 1 |
| 741 | Sprinkler Activation, No Fire – Unintentional | 1 |
| 743 | Smoke Detector Activation, no fire | 9 |
| 745 | Alarm System Activation, no fire, unintentional | 44 |
| 746 | Carbon Monoxide Detector Activation, no CO | 6 |
| 911 | Citizen Complaint | 1 |

TOTAL NUMBER OF INCIDENTS:

509

INCIDENT REPORTING BY MONTH

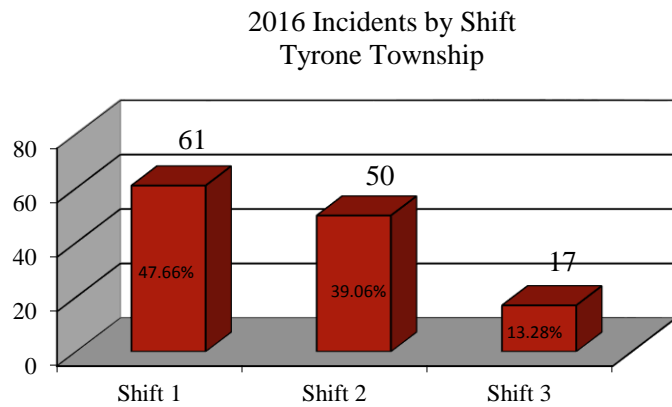
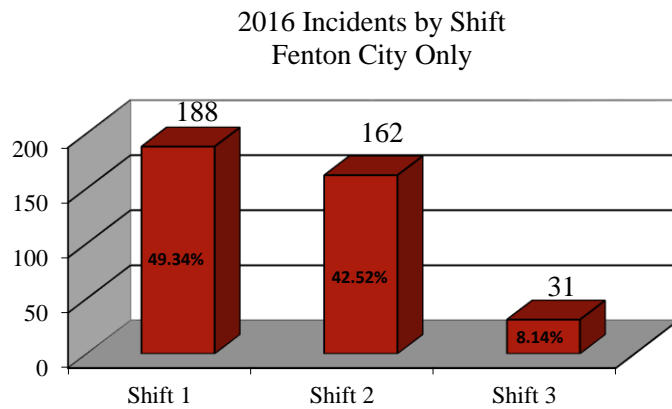
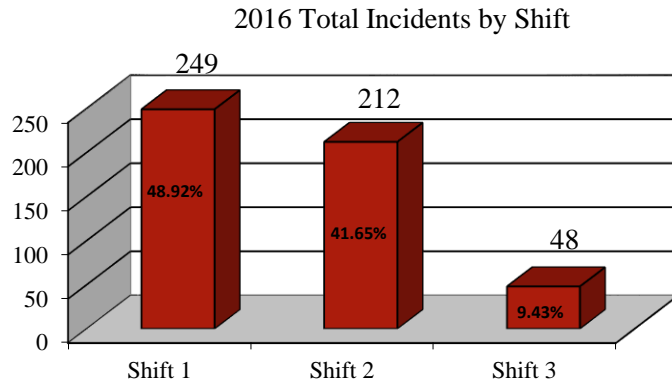
JANUARY 1- DECEMBER 31, 2016



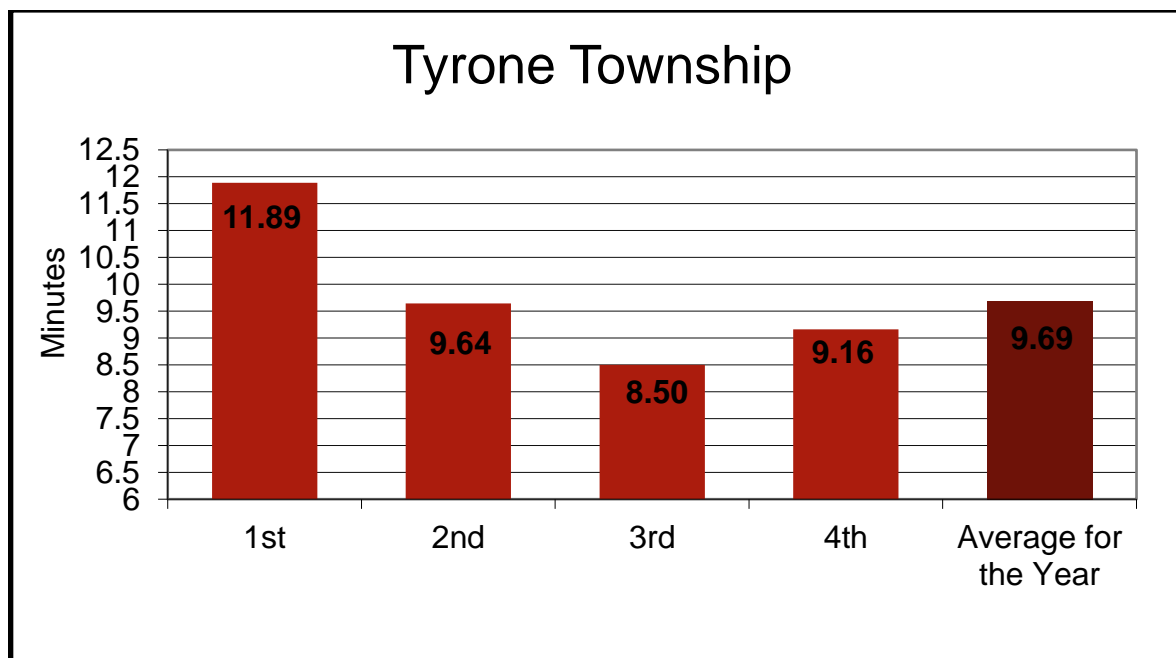
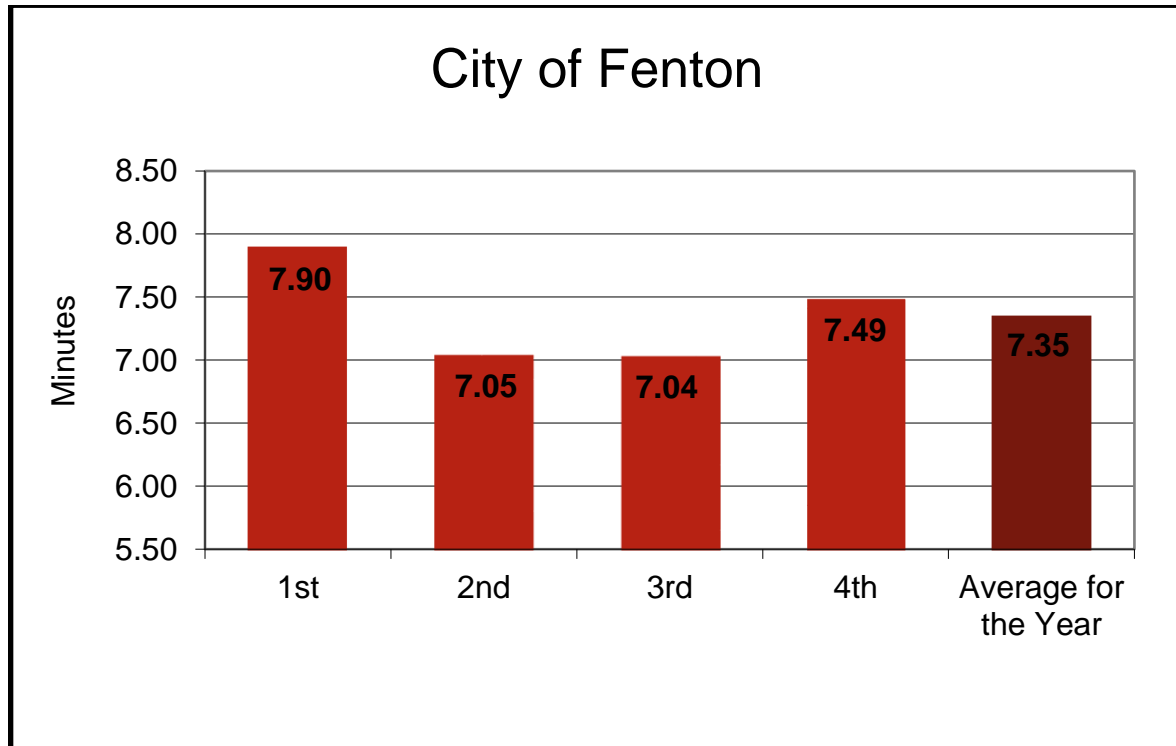
| <u>Month</u> | <u>Number of Incidents</u> |
|----------------|----------------------------|
| January 2016 | 32 |
| February 2016 | 34 |
| March 2016 | 45 |
| April 2016 | 41 |
| May 2016 | 40 |
| June 2016 | 42 |
| July 2016 | 65 |
| August 2016 | 37 |
| September 2016 | 39 |
| October 2016 | 40 |
| November 2016 | 51 |
| December 2016 | 43 |

TOTAL INCIDENTS: 509

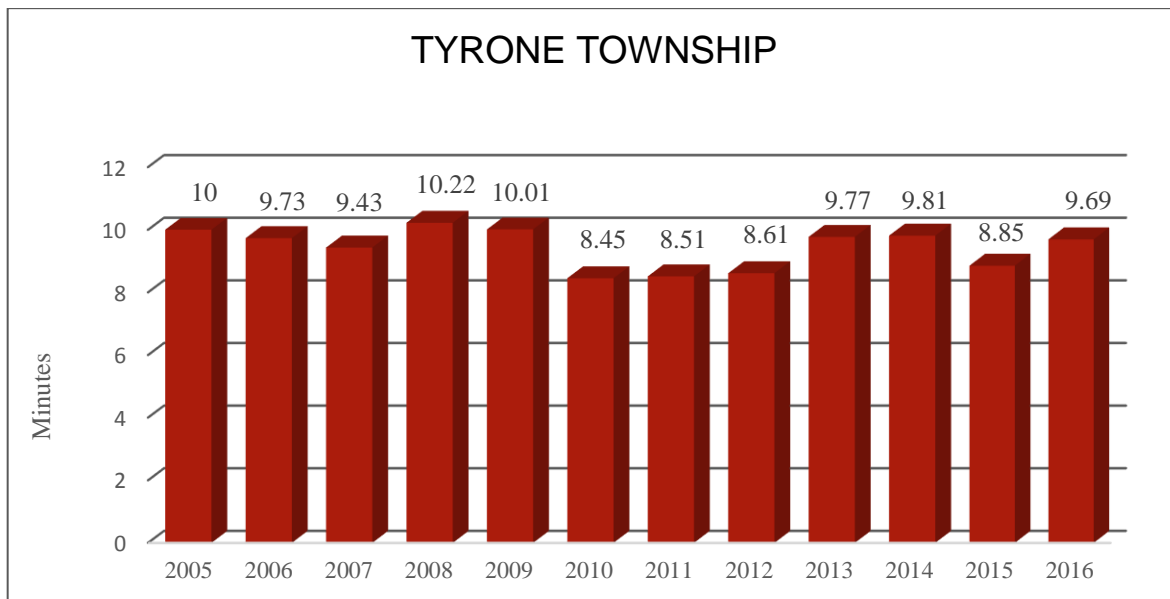
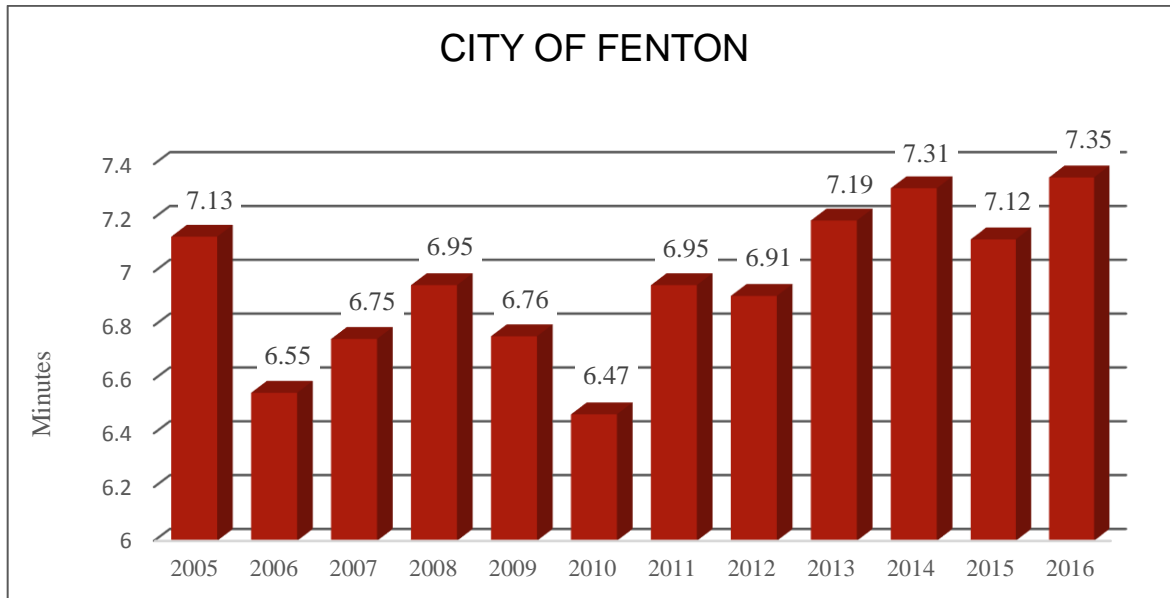
2016 INCIDENTS BY SHIFT



2016 INCIDENT RESPONSE TIMES BY QUARTER

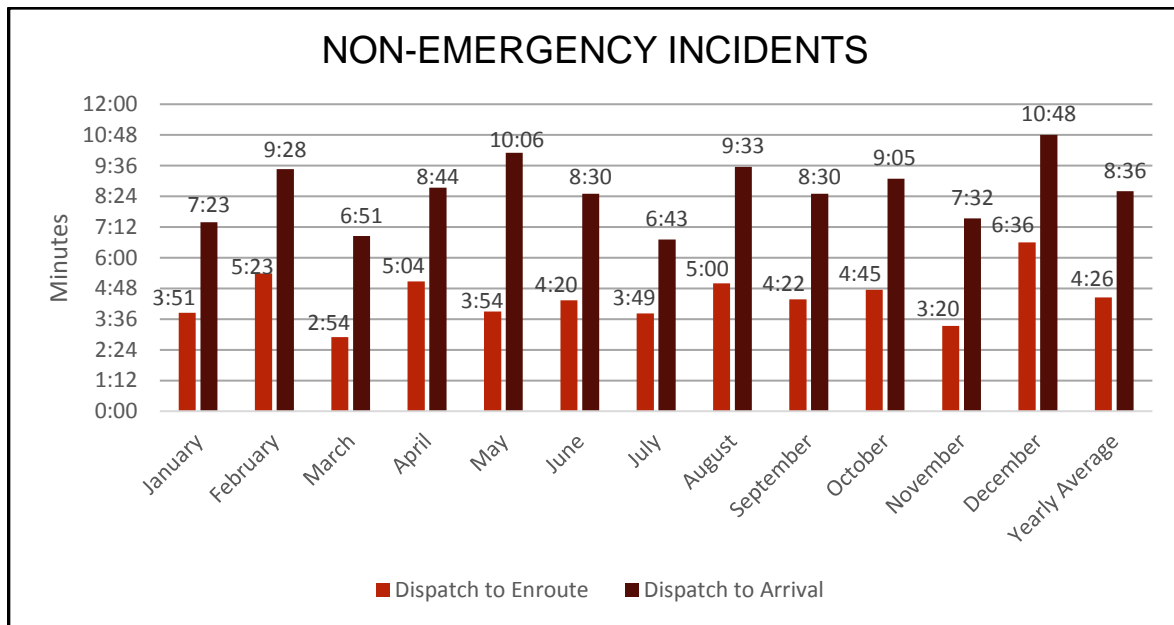
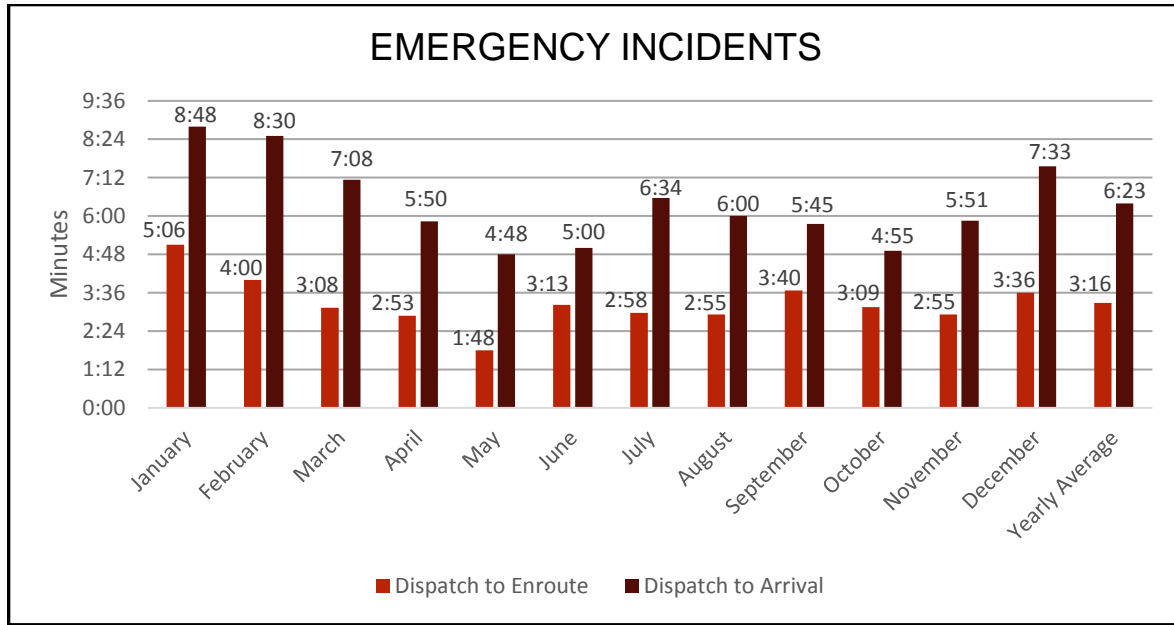


AVERAGE YEARLY INCIDENT RESPONSE TIMES



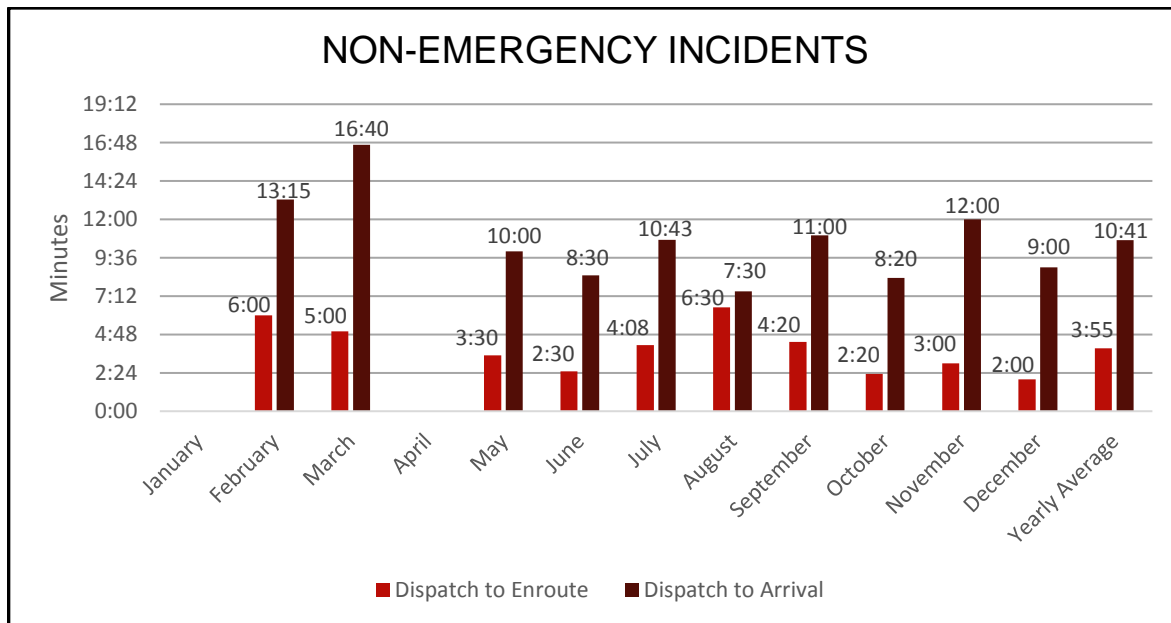
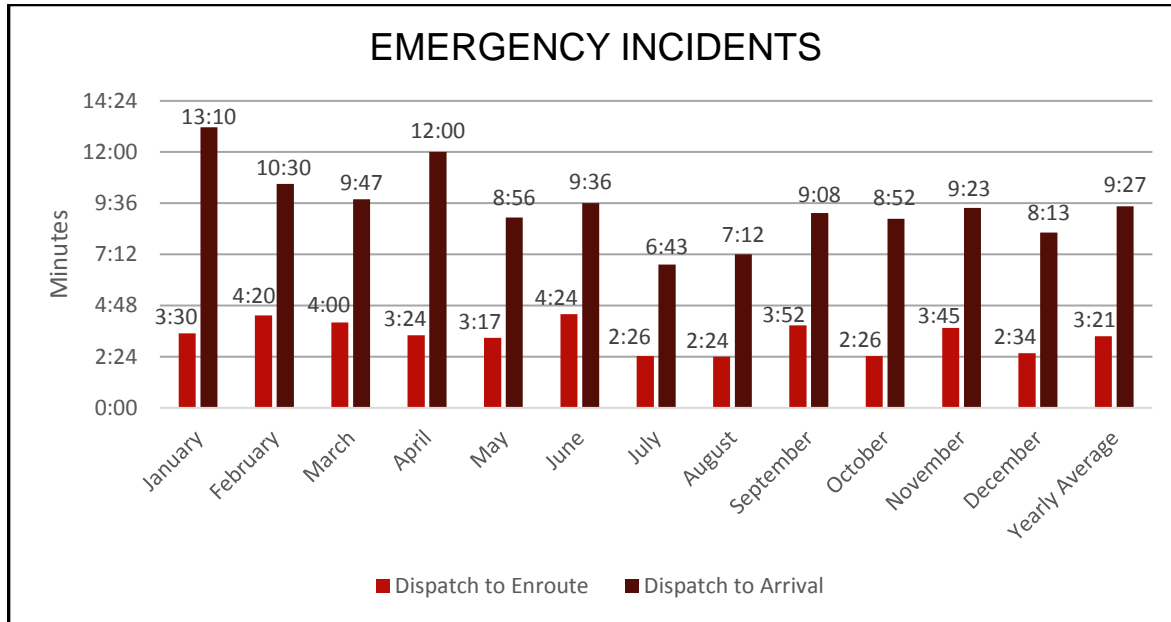
EMERGENCY VS. NON-EMERGENCY RESPONSE TIMES

CITY OF FENTON ONLY

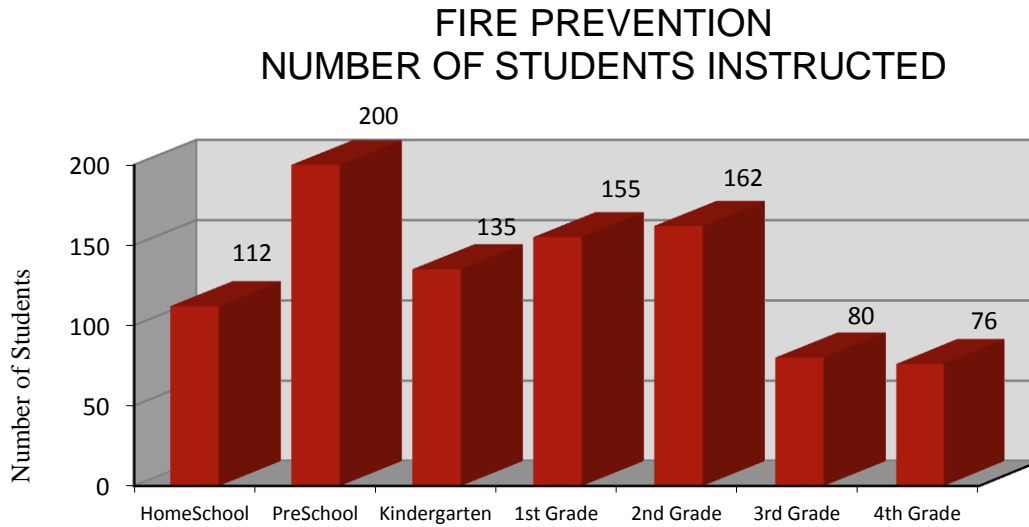


EMERGENCY VS. NON-EMERGENCY RESPONSE TIMES

TYRONE TOWNSHIP



FIRE PREVENTION INITIATIVES

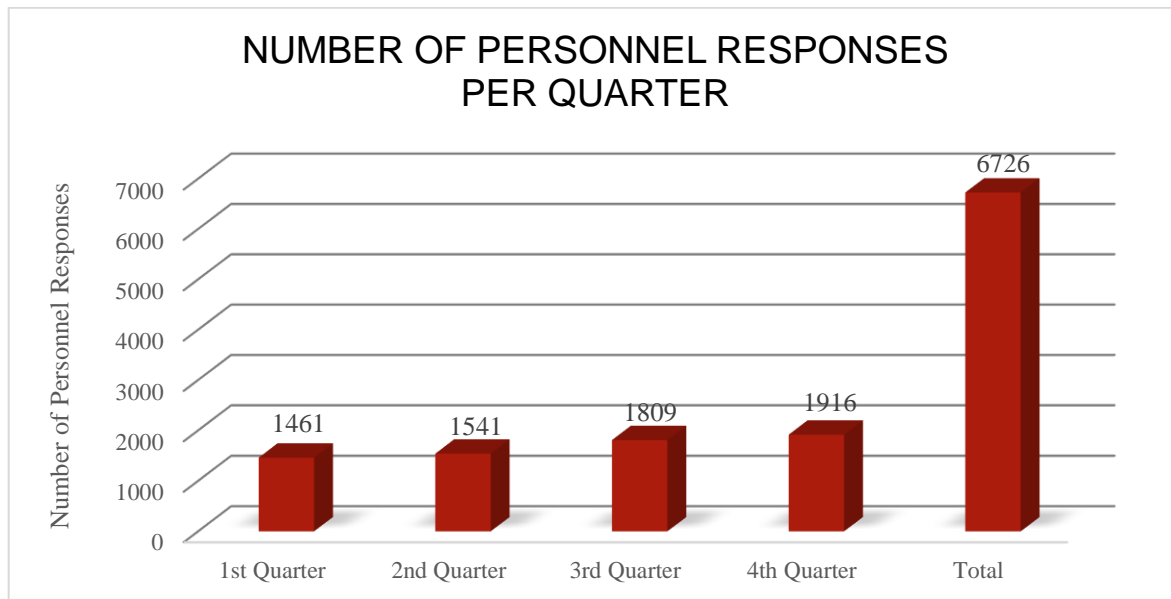
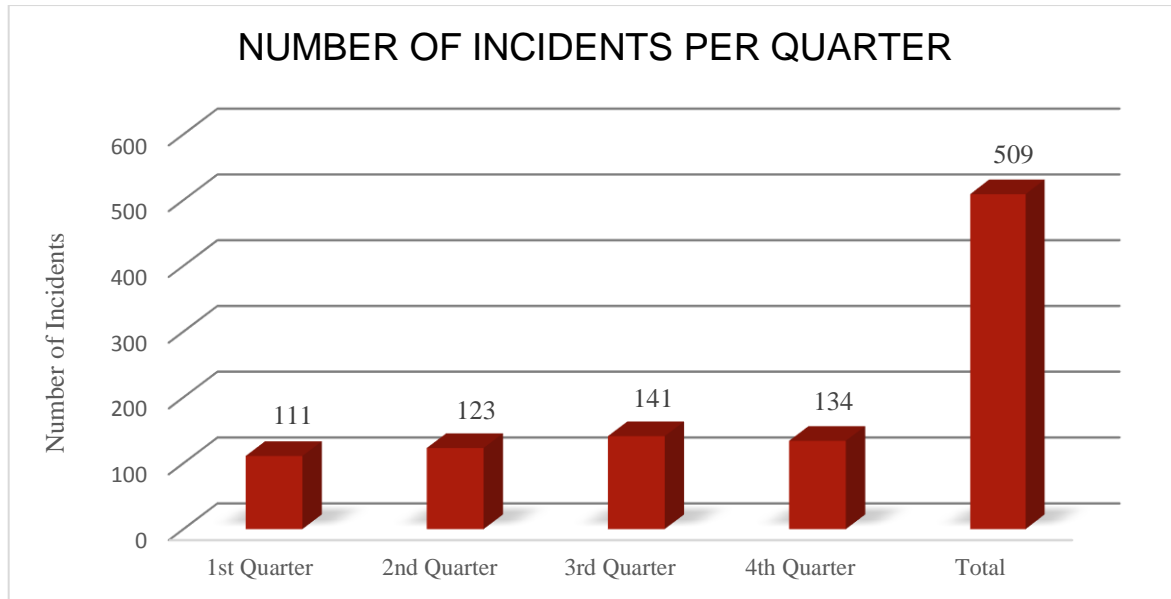


TOTAL NUMBER OF STUDENTS REACHED = 920

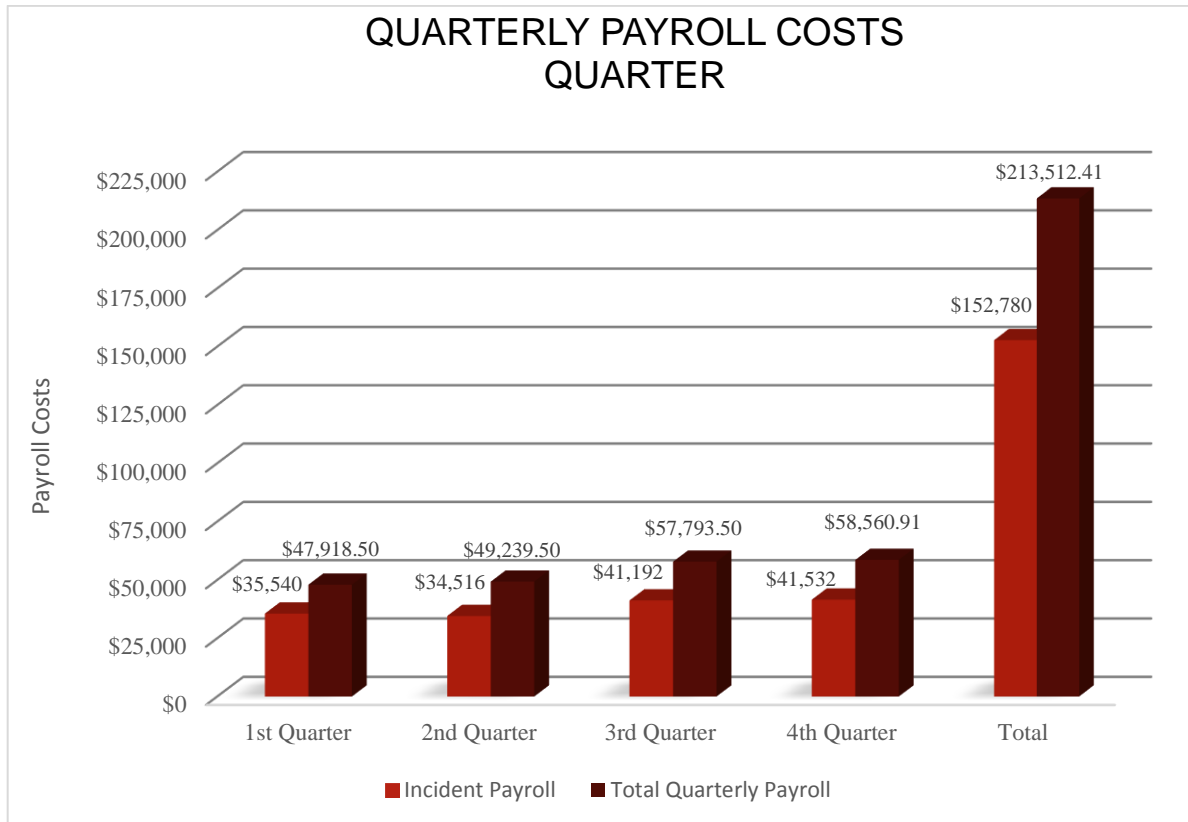
ADDITIONAL FIRE PREVENTION ACTIVITIES/EVENTS

| <i>Activity / Event</i> | <i>Number Attended</i> |
|-------------------------|------------------------|
| Open House | 500 |
| Safety Town | 56 |
| Rainbow Daycare | 40 |
| Cub Scouts / Boy Scouts | 28 |
| Girl Scouts | 23 |
| Rescue 911 Camp | 95 |
| Montessori | 60 |
| Home Depot | 175 |

QUARTERLY INCIDENT PAYROLL

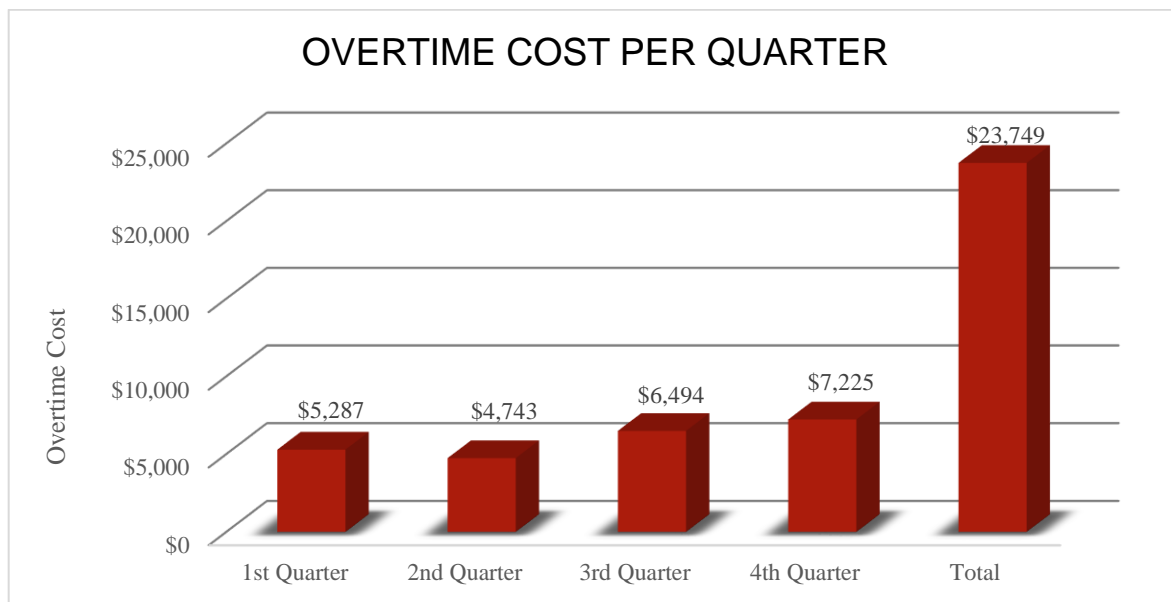
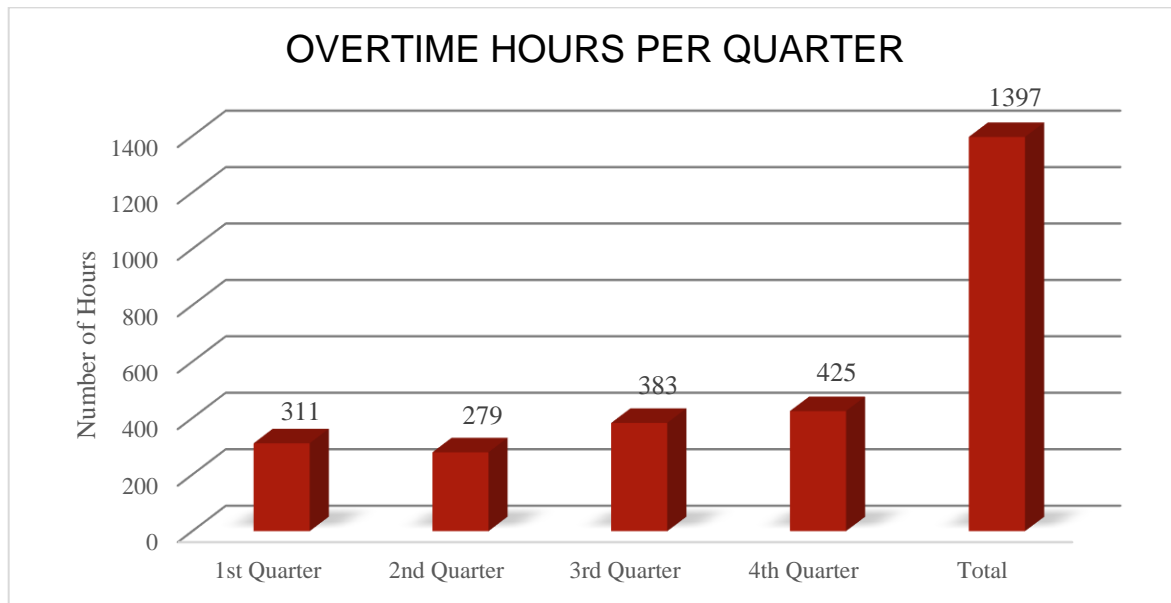


QUARTERLY INCIDENT PAYROLL (CON'T)



Incident pay, overtime, training, fire prevention and officer pay are all included in Quarterly Incident Payroll. The Fire Chief, Administrative Assistant, and Duty Shift are not included in these totals.

QUARTERLY INCIDENT PAYROLL (CON'T)





CITY OF FENTON FIRE DEPARTMENT
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