



2021 Annual Report



CITY OF FENTON

TO LYNN MARKLAND, CITY MANAGER

YEAR IN REVIEW

In 2021, the fire department responded to a total of 525 calls for service. This was a 13% increase from the 466 incidents in 2020. The department averaged 44 calls for service per month in 2021. There were 337 incidents in



the city which was a decrease of only 1% from the 341 incidents in 2020.

Our service area in Tyrone Township saw an increase of 51% in incidents. We responded to 188 incidents in Tyrone

Township during 2021 compared to 125 incidents in 2020, an increase of 63 incidents. In return for our services, Tyrone Township paid the city approximately \$250,000. The average response time to an emergency incident in the city was 7:02, while in Tyrone Township the average was 10:04. Estimated property and contents losses from fires during 2021 totaled \$1,743,800. The losses were \$951,700 in the city and \$792,100 in Tyrone Township. The total amount of property and contents saved was \$44,465,050! The estimated property and contents losses can fluctuate from year to year as these are estimated losses at structure and vehicle fires. Please read some of the highlights from 2021 below and the incident statistics later in this report.

HIGHLIGHTS OF 2021

During 2021 we continued to learn how to work during the Coronavirus pandemic. The Coronavirus and the global pandemic continued to influence our daily operations. The number of cases fell significantly throughout the summer then took an upward spike in late fall and into the winter holiday season. We have learned how to respond to and treat patients that are Covid positive. Most medical emergencies that we responded to in 2021 were Covid positive patients. We had several of our personnel test positive for the virus during 2021. Luckily all fared well and returned to work shortly after. We will continue to deal with the virus into the coming years and it will have a lasting impact on how we operate in the future.

We were fortunate to receive a grant from the Hundred Club of Genesee County. We submitted a grant request under their safety equipment grant program and we were awarded the grant in the amount of \$4,050. This was for the purchase of eleven structural firefighting helmets. Our Personal Protective Equipment (PPE) have life spans and must be replaced after a set number of years. We needed to replace many of our firefighters' helmets and this grant enabled us to replace a third of our helmets in service.



HIGHLIGHTS OF 2021 CONTINUED

The topic of ambulance shortages became an issue of concern during 2021. We experienced a dramatic increase in the number of times we requested mutual aid from other EMS agencies, other than our contracted EMS provider (STAT EMS). The State and Nation are seeing shortages in the number of EMT and paramedics entering the field, and this has resulted in a decrease in the number of available ambulances. Genesee County has been hit hard by this and it has affected our service level in the city. We experienced a large increase in the number of medical calls we responded to in Tyrone Township as well. They are also experiencing the shortages in Livingston County and this had a direct impact on how often we responded to medical calls in our contracted area in Tyrone Township. We experienced a 73% increase in medical incidents in Tyrone Township during 2021.

In April, the department purchased a new Utility Terrain Vehicle (UTV). This vehicle will serve us not only on emergencies, but it can be used at the many festivals and gatherings in our community. We have already used it multiple times and assisted other city departments with it as well. The UTV has seating for four people, a cargo area, and has 4x4 off road capabilities. We have a small tank and pump that are mounted to the unit during the grass fire season. This UTV gives us improved capabilities and will serve us well for many years.



In September, the department placed into service a new Lucas CPR chest compression system. The department replaced a system that was purchased previously and was no longer functional. This new system allows for uninterrupted high performance chest compressions. This device also frees up a person on scene to help with other treatments. We have had great success with the new system, and it will improve outcomes for those that suffer cardiac arrest in our area.

The department transitioned to a new incident reporting software system in 2021. We joined the Oakland County CLEMIS Fire Integrated Reporting System (CFIRS). This system is linked to our Computer Aided Dispatch (CAD) at our 911 center. This system enables us to link our reporting software to our 911 information. There are many other benefits like pre-incident text alerts for our personnel, mapping links to our incidents, and a training records module as well.

HIGHLIGHTS OF 2021 CONTINUED

The department was able to replace four sets of “turn-out” gear for our firefighters. This is their structural firefighting coats and pants that they wear on almost every incident we respond to. The National Fire Protection Association (NFPA) requires that we retire a set of gear after ten years



of use. We replaced four sets of gear in 2021. We have run into many difficulties with obtaining our gear. Our turn-out gear is custom fit to each firefighter and in the past a set of gear

would take about 6 to 8 weeks to receive once we ordered it. This time it took 32 weeks. We have experienced major price increases and lead times on all our protective gear.



In April, we hosted the Oakland Community College’s Flashover Simulator. This was the second time we have had the training here at our station and it was the second phase of the training on flashover recognition. This was an invaluable training for our personnel to experience in a live fire situation. We are not able to provide such intensive training without bringing in a simulator like this. The firefighters experience what a flashover looks like, feels like, and how to manage it. If a firefighter is caught in a real-life flashover, it can be deadly.



HIGHLIGHTS OF 2021 CONTINUED

We made many repairs and upgrades around the station during 2021. We have been in the station 19 years now and the building needed some work. Our Duty shift personnel cleaned and painted the training room. We had contractors make repairs to the concrete apron and repairs to the roof as well. We also had the counter tops replaced in the kitchen and added new tile to the walls.



The Fenton Firefighters Charity had another very successful year as well. Our firefighters raise money through our charity events and then in turn use those funds to support those in need in our community. We held our 16th annual Charity golf outing in August, and we were completely sold out and had to turn teams away. Our outing has become our main fundraiser for the year. Our firefighters take great pride in our Charity work and feel rewarded by the number of people we assist throughout the year.



On September 11th we held a 20th anniversary memorial service to honor those lost in the 9/11 terrorist attacks. Our service included a bagpiper, the National Anthem, speeches from local and state politicians, prayers from local clergy, and we even had a fly over from two A-10 aircraft from the 107th Fighter Squadron out of the Selfridge Air National Guard Base.



HIGHLIGHTS OF 2021 CONTINUED

Lieutenant Jeff Shook took on the project of redecorating our day room. Jeff built a custom table that is now the centerpiece of the room. It has seating for ten people and features a custom lettered tabletop and the base is made from two (retired) fire hydrants. We were also fortunate to be contacted by Fenton Home Furnishings and they offered to donate ten custom Amish built wood chairs for the table.



I hope this report is informative and helps to explain what it is that our department does throughout the year.

Yours in Service,

Robert Cairnduff
Fire Chief



CITY OF FENTON

Sue Osborn – Mayor

Patricia Lockwood – Mayor Pro Tem

Lynn Markland – City Manager

Tracy Bottecelli – Councilwoman

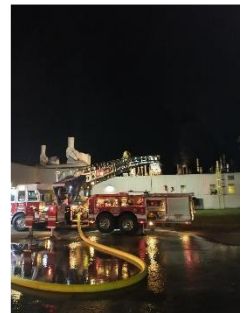
Scott Grossmeyer – Councilman

Brad Jacob – Councilman

David McDermott – Councilman

Sean Sage – Councilman

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	Michael Johnson	2/2010
Paul Bond	5/2013	Jacob Korzenowski	12/2021
Brandon Brown	9/2013	R. Maksymowski	7/2004
Sean Caldwell	8/2017	Thufayel Miah	6/2018
Frank Carpenter	1/2007	Ian Oaks	8/2021
Evan Erickson	5/2021	Brian Pasienza	6/2019
Matt Everhard	5/2009	Anson Ratke	9/2016
Julian Gross	6/2015	Nick Schulz	11/2001
Matthew Hadfield	7/2007	David Siburt	9/2014
Joe Hoffman	6/2018	Michael Siburt	7/2016
Ryan Jenema	11/2006	Travis Whitman	4/2012

FIRE DEPARTMENT AWARDS

Each year at the Firefighters Christmas party awards are given out for service anniversaries and the firefighter of the year. These awards are purchased and presented by the Firefighters Association.

FIREFIGHTER OF THE YEAR

This year's recipient of the Firefighter of the Year (FFOY) award was Lieutenant Jeff Shook. This award is given annually to a member of the department and is voted on by the entire membership. Jeff joined the department in 1995

and in 2006 he was promoted to Lieutenant. He currently serves as one of our training officers. Jeff takes on many projects for the



department and is always willing to lend a hand. Lieutenant Shook was very deserving of the FFOY award.

SERVICE AWARDS

This year we had six different personnel receive service awards.

Anson Ratke	Five Years
Mike Siburt	Five Years
Ryan Jenema	Fifteen Years
Nick Schulz	Twenty Years
Craig Jensen	Forty Years
Charlie Koan	Fifty Years

Of the service awards given this year, two were very impressive.

Chief Engineer Craig Jensen received his 40-year award. Craig joined the department on July 28th of 1981. Craig has been our Chief Engineer for 25 years. Craig is tasked with taking care of all our apparatus and has sat on most of the truck replacement committees. Craig retired from his full-time job at the GM proving grounds in 2021 and is now enjoying his retirement.



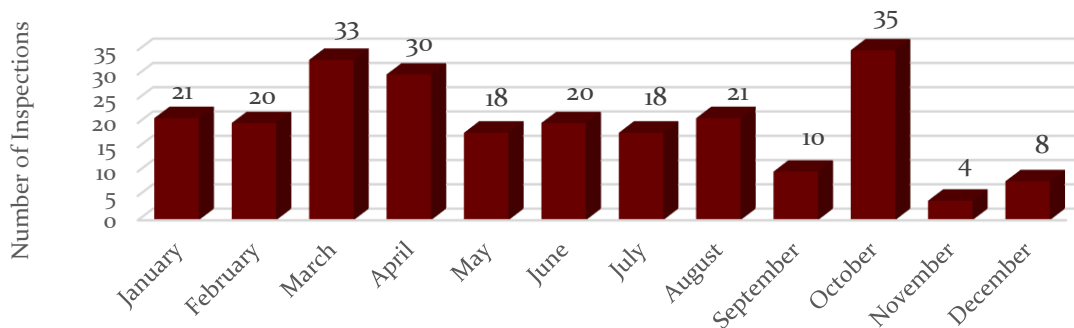
Assistant Chief Charlie Koan received his 50-year service award. Charlie is only the second person in the history of the department to achieve 50 years of service! Charlie is somewhat of an icon here at the station. He has served under six different Chiefs and has been instrumental on so many projects (like the new fire station). I know everyone here, including myself, appreciate the dedication Charlie has to our department and our community. Congratulations Chief Koan!



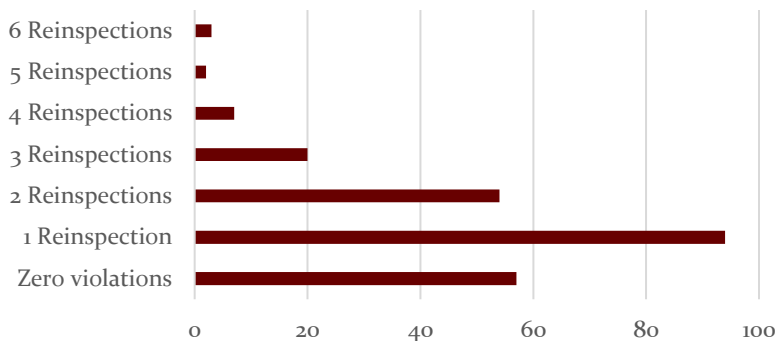
BUSINESS FIRE INSPECTIONS

In 2021, our part-time fire inspector conducted a total of 238 initial annual business fire inspections. During these inspections he found 493 violations. Once the initial inspection is completed, he returns for follow up inspections to ensure all deficiencies are taken care of. Our inspector conducted 342 follow up inspections to clear all these deficiencies.

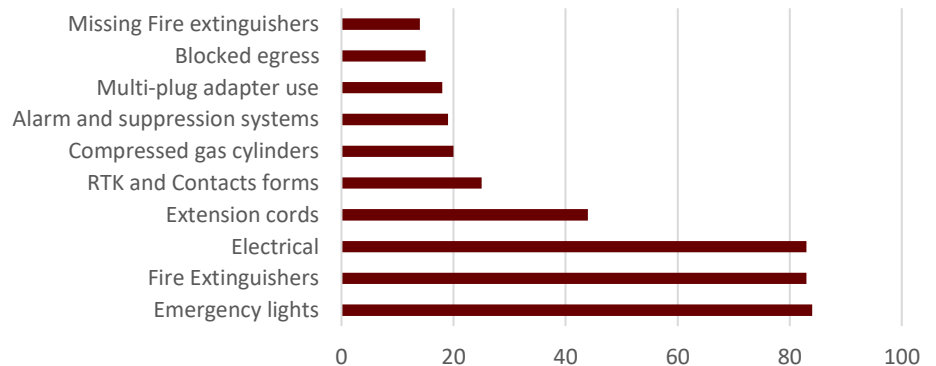
Fire Inspections
Conducted 2021

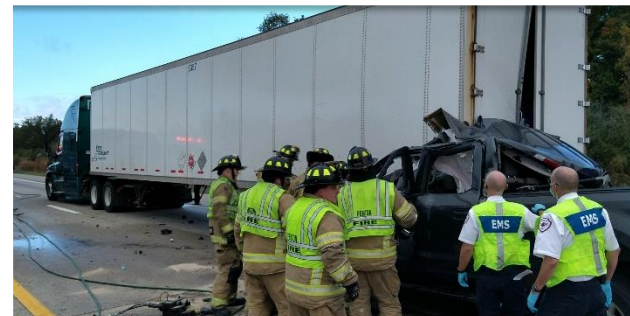


Number of Visits to Clear Violations



Top 10 Fire Code Violations





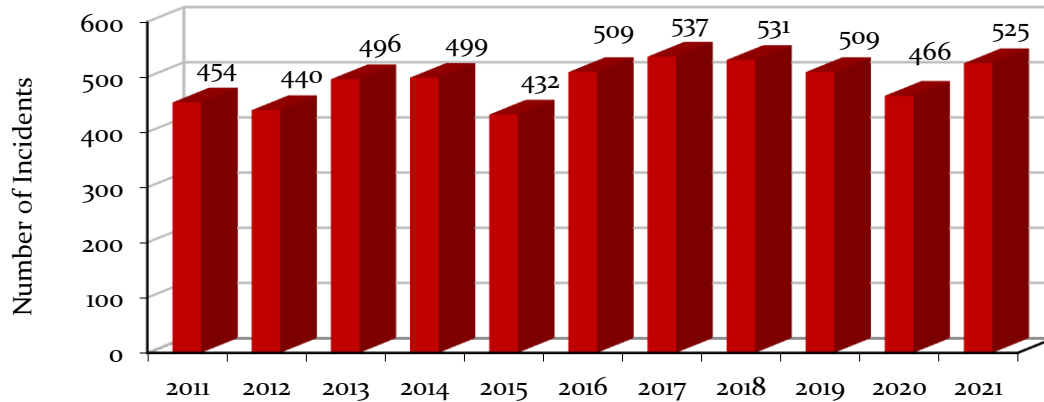
INCIDENT STATISTICS

JANUARY 1, 2021 - DECEMBER 31, 2021

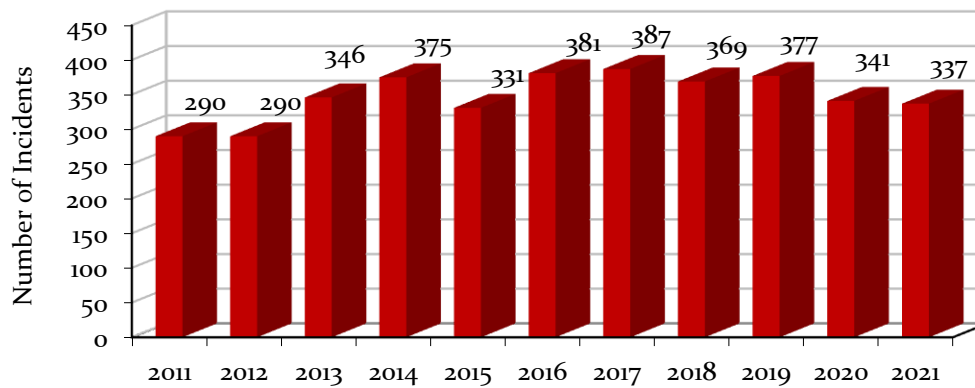
Number of Incidents

2011 – 2021

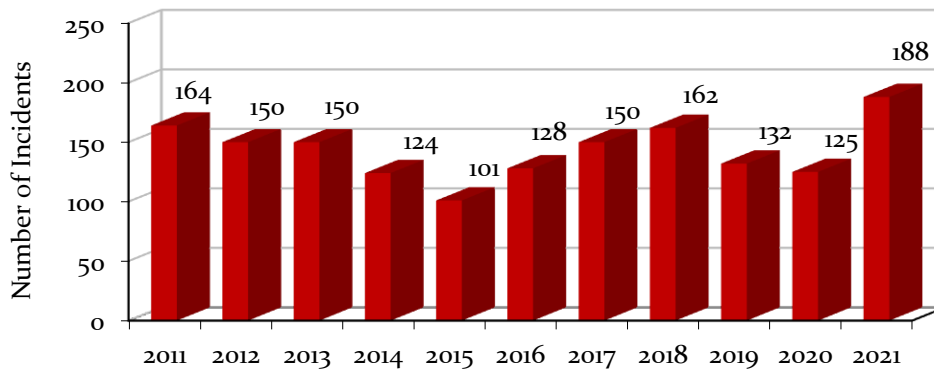
Total Incidents



City of Fenton

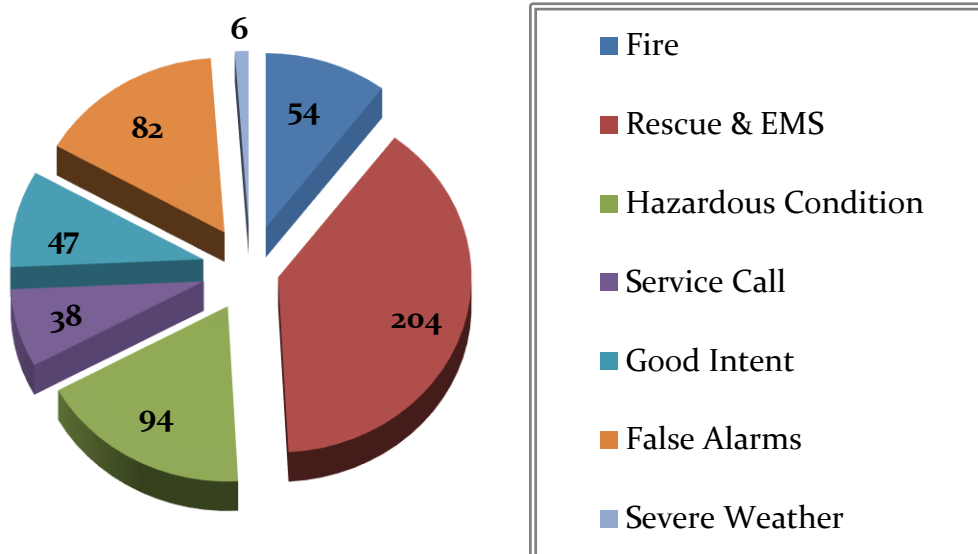


Tyrone Township



Incident Reporting By Type of Incident

January 1- December 31, 2021



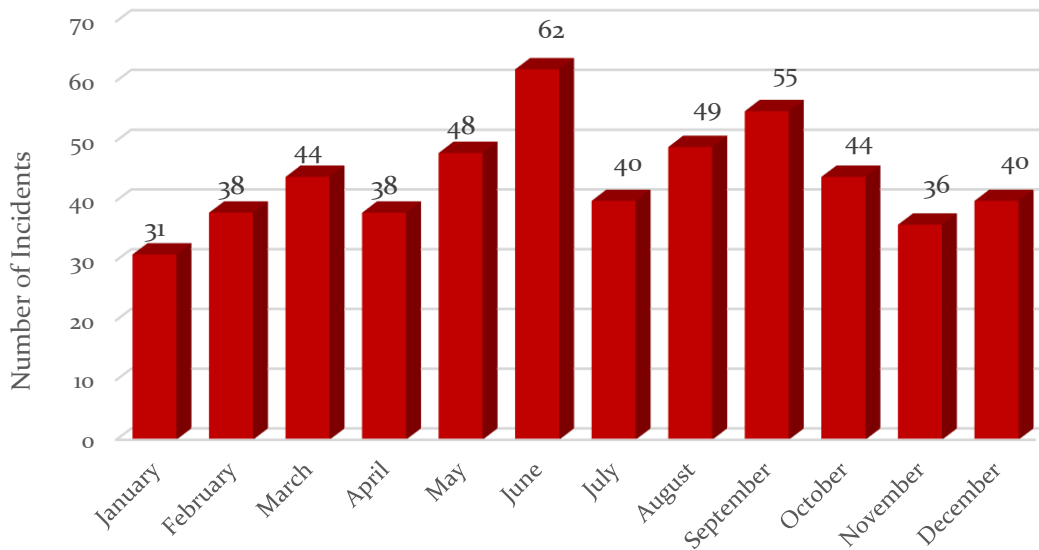
Type of Incident:

100's	Fire	54
300's	Rescue & EMS	204
400's	Hazardous Condition	94
500's	Service Call	38
600's	Good Intent	47
700's	False Alarm	82
800's	Severe Weather	6

Total Incidents: 525

Incident Reporting By Month

January 1- December 31, 2021



Month

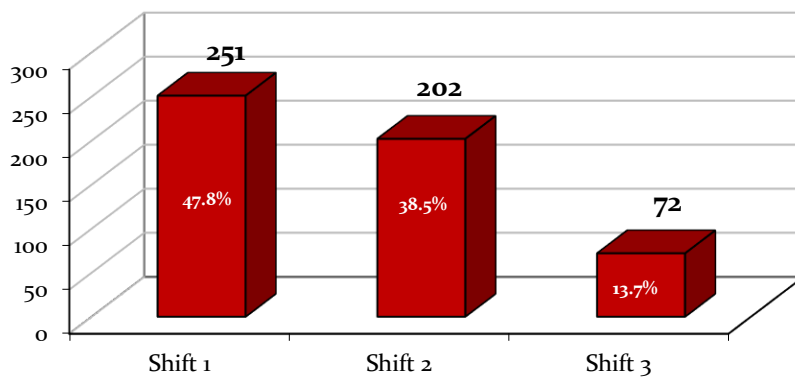
Number of Incidents

January	31
February	38
March	44
April	38
May	48
June	62
July	40
August	49
September	55
October	44
November	36
December	40

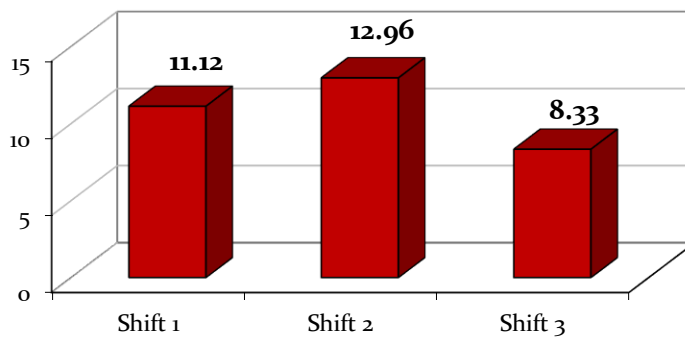
Total Incidents: 525

2021 Incidents by Shift

Total Incidents by Shift
(Total 525)



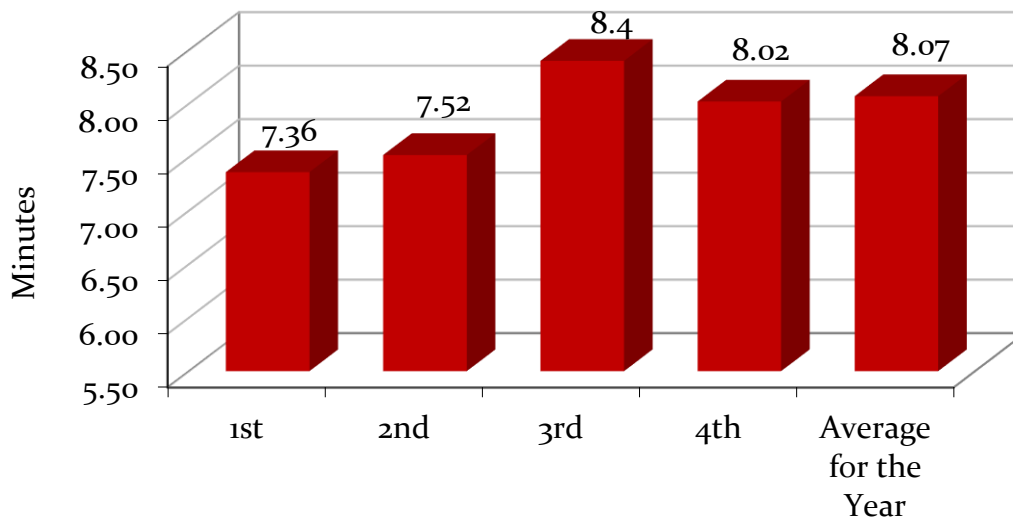
Average Number of Responses
Per Shift



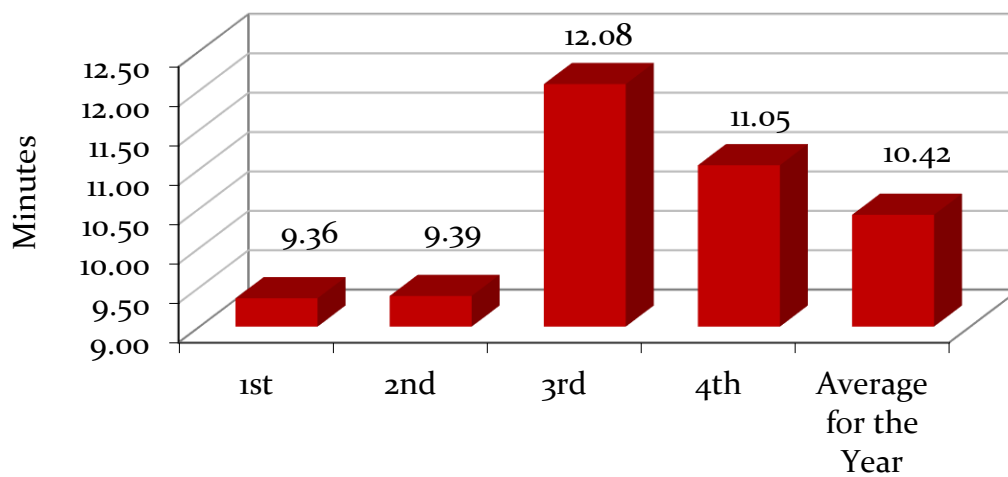
1st Shift: 7:00am – 3:59pm
2nd Shift: 4:00pm – 11:59pm
3rd Shift: Midnight – 6:59am

2021 Incident Response Times By Quarter

City of Fenton



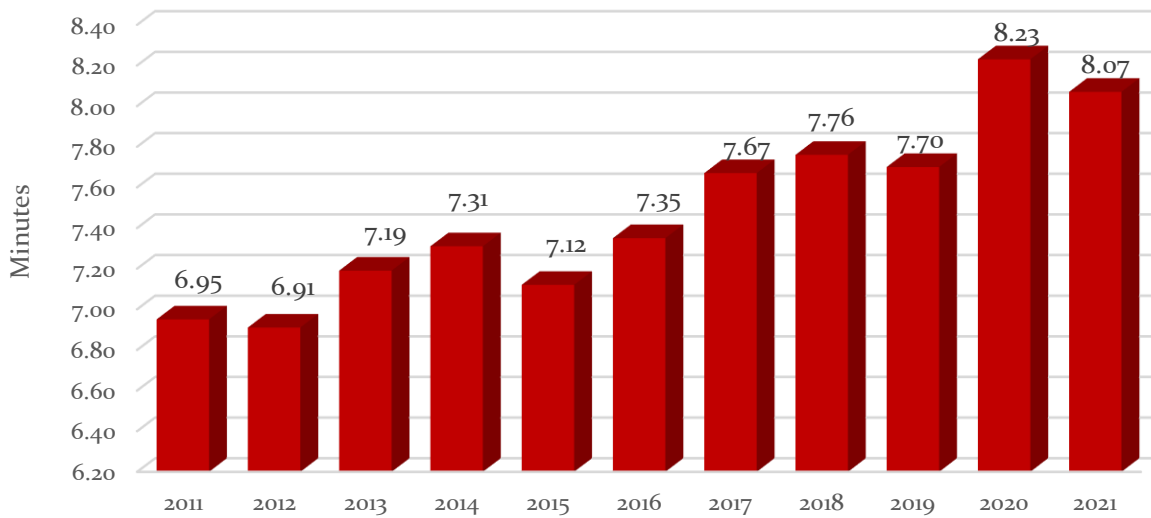
Tyrone Township



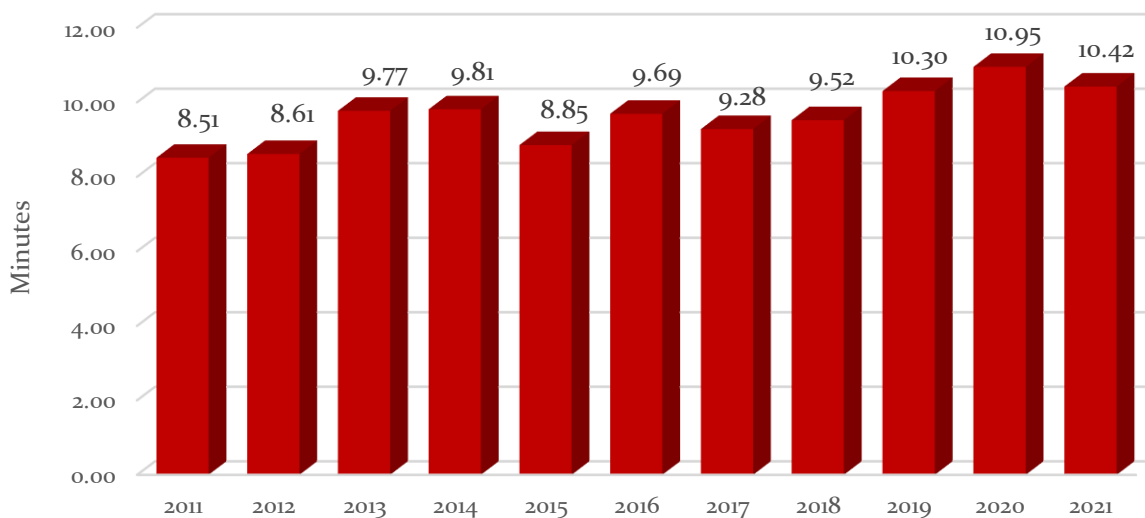
Times listed above include Emergency and Non-Emergency Incidents.

Average Yearly Incident Response Times

City of Fenton



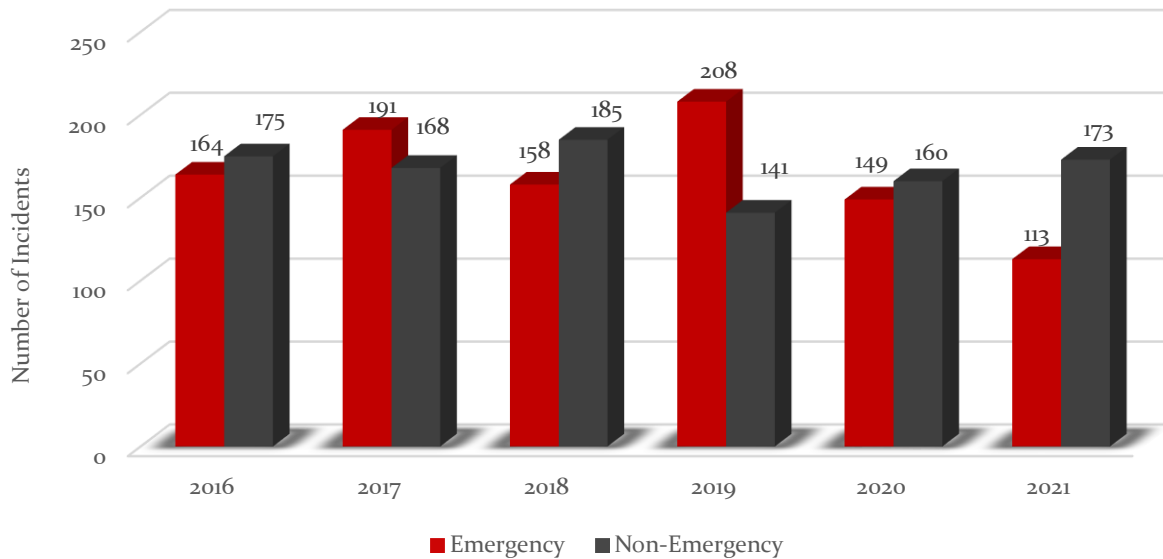
Tyrone Township



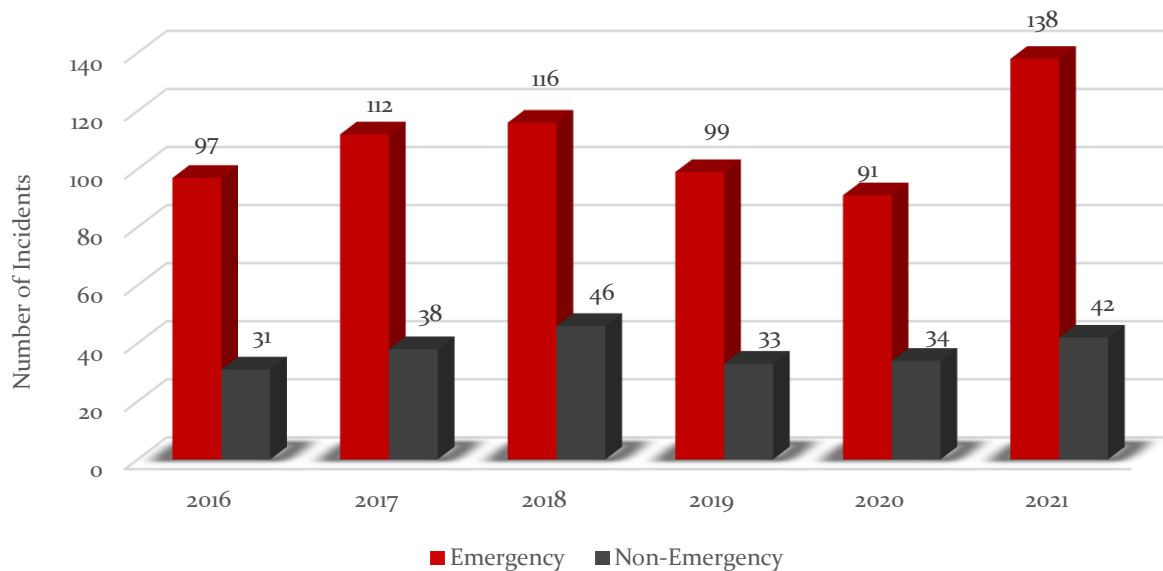
Times listed above include Emergency and Non-Emergency Incidents.

Emergency Vs. Non-Emergency Total Responses

City of Fenton



Tyrone Township

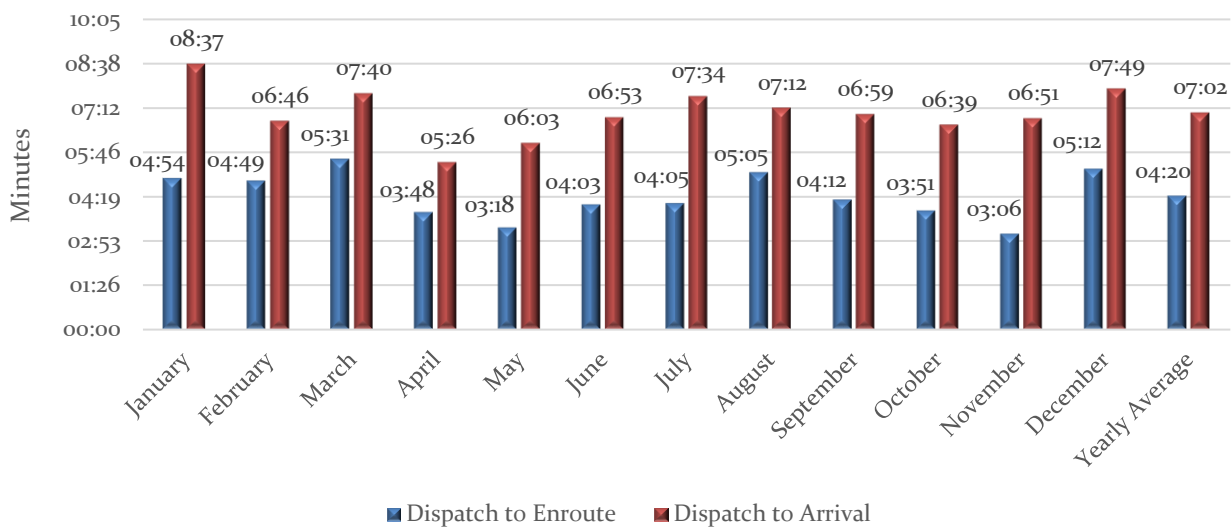


* Tracking of Emergency vs. Non-Emergency calls began in 2016 and as such, prior years are not available.

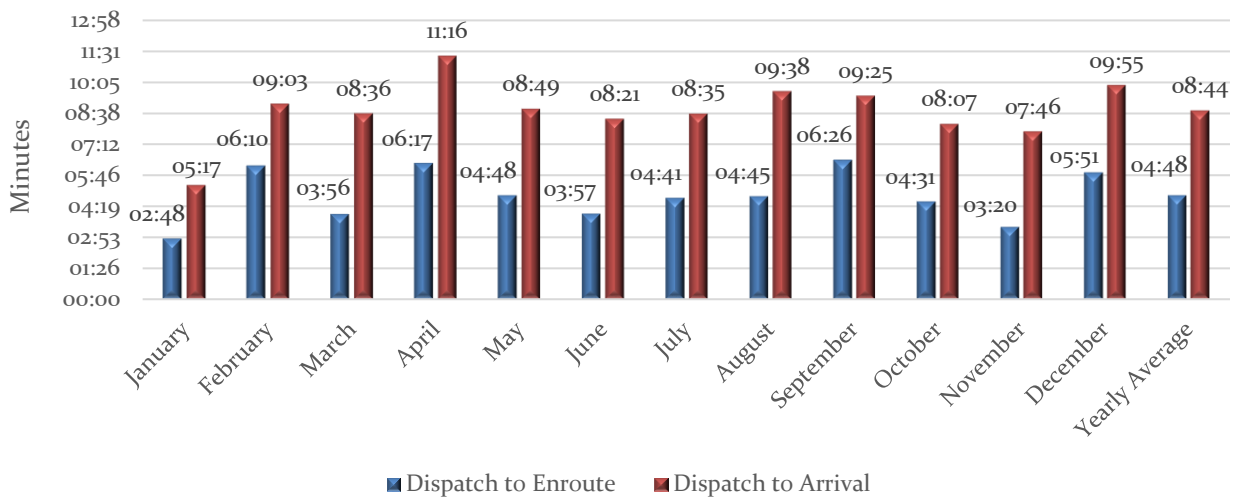
* The definition an Emergency call is when the use of Lights and Sirens is required.

Emergency Vs. Non-Emergency Response Times

City of Fenton Emergency Incidents

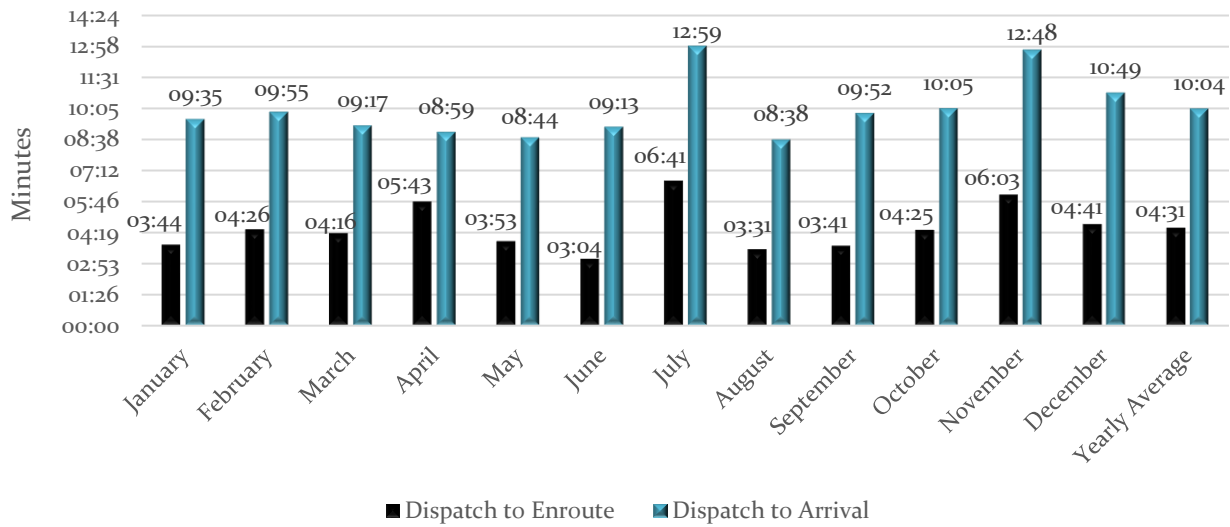


City of Fenton Non-Emergency Incidents

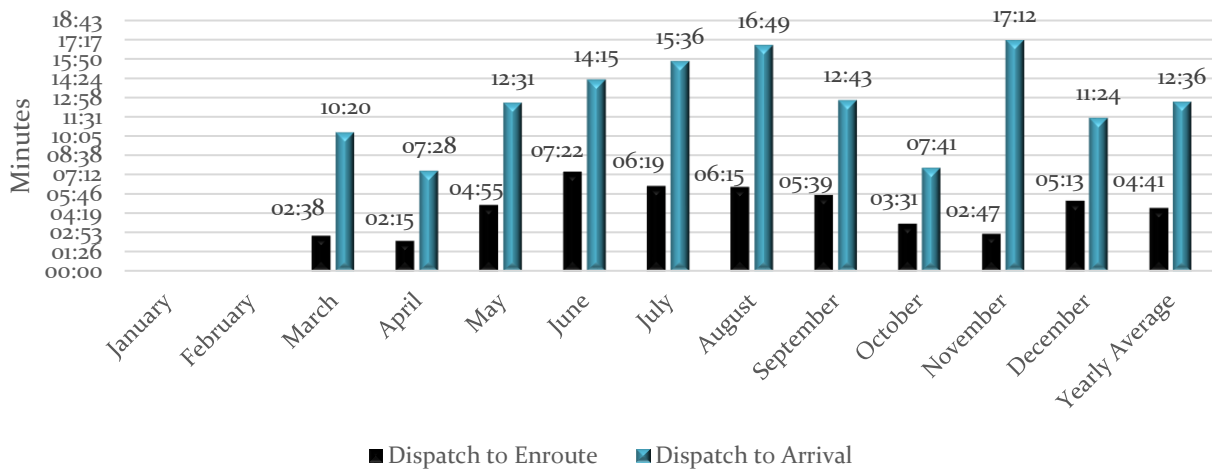


Emergency Vs. Non-Emergency Response Times

Tyrone Township Emergency Incidents

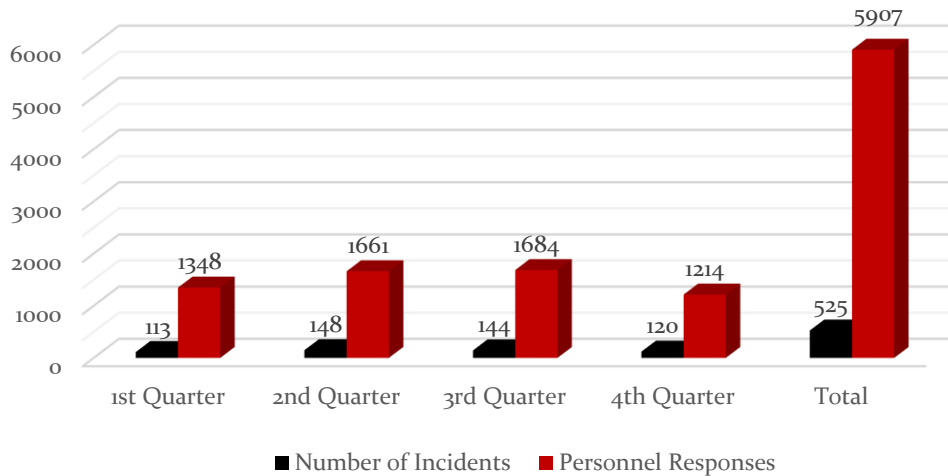


Tyrone Township Non-Emergency Incidents

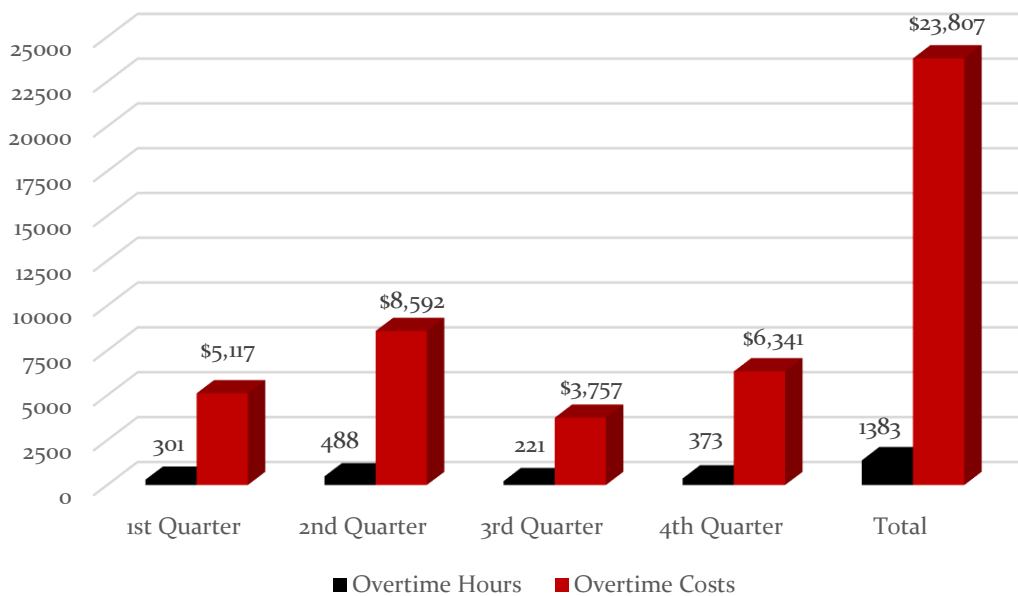


Quarterly Incident Payroll

Incidents & Personnel Responses per Quarter

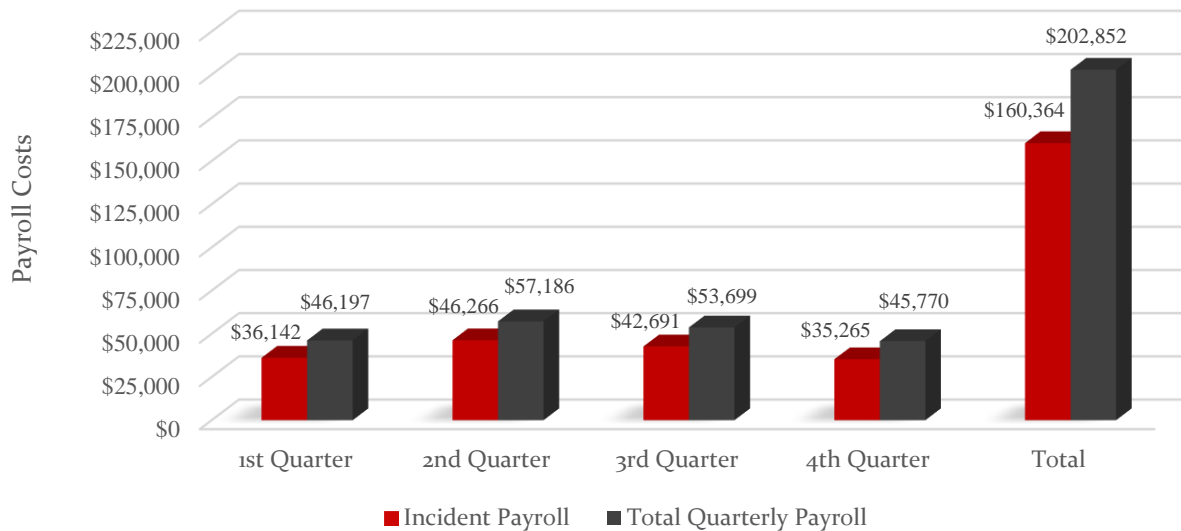


Quarterly Overtime Hours & Costs



Quarterly Incident Payroll

Quarterly Payroll Costs Per Quarter

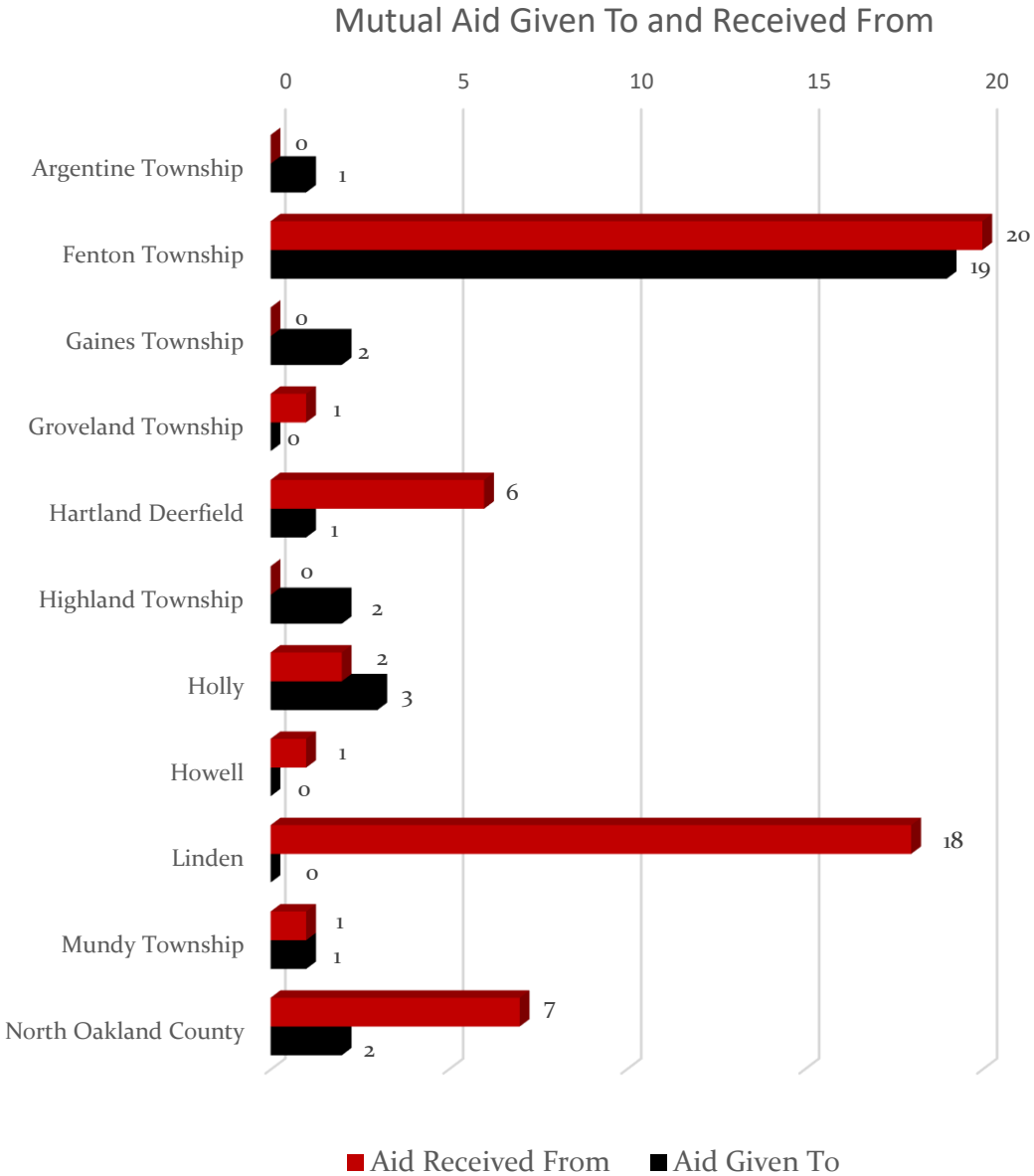


Incident Payroll includes incident responses and overtime pay.

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

The Fire Chief, Administrative Assistant, and Duty Shift are not included in these totals.

Mutual Aid





SERVICE

PRIDE

TRADITION



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