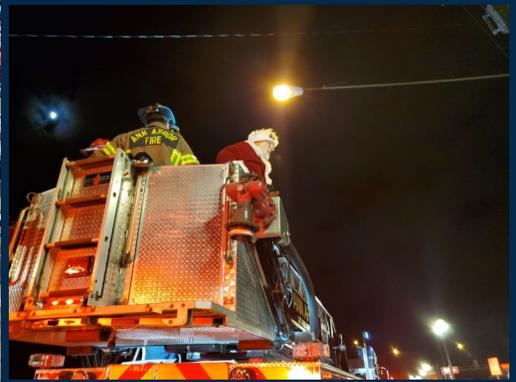


2019 | ANNUAL REPORT



City of Ann Arbor

FIRE DEPARTMENT



ANNUAL REPORT

Message from the Fire Chief



On behalf of the Ann Arbor Fire Department, I am happy to present our 2019 Annual Report. 2019 was filled with outstanding service to our residents and enhancements to our organization. The success of 2019 would not have been possible without the support and assistance from the City Administrator, Assistant City Administrator, Mayor, City Council, City staff, and other City Service Area Administrators, along with that of the fire officers, firefighters, and staff. The following report outlines many of the accomplishments that occurred during 2019. It is an honor to serve as your fire chief, and I look forward to leading the Ann Arbor Fire Department in further progress.

Mike Kennedy, Fire Chief

2019 Highlights

- 👤 Tentative agreement with IAFF Local 693 on a contract, which is the first time in at least two decades that a contract has received tentative agreement prior to the expiration of the current contract.
- 👤 Settling of the Assistant Chief contract with the Teamsters Union.
- 👤 Replacement of Engine 1-6, which provides AAFD with an apparatus well equipped for vehicle extrication and rescue service needs.
- 👤 Installation of solar array on Station 6. This occurred as a partnership with the Office of Sustainability and Innovations along with the U-M Students for Clean Energy.
- 👤 Build-out of evidence room at Station 6.
- 👤 Dormitory renovations started on Station 6.
- 👤 Promoted fourteen employees.
- 👤 Hired two new employees.
- 👤 Completed revisions to all standard operating procedures.
- 👤 Worked with IT to stand-up performance dashboard on Yellowfin – first department in the City of Ann Arbor to do so.
- 👤 Established official Facebook account for community outreach.
- 👤 Implemented new incident management accountability system.
- 👤 Conducted feasibility study of moving fire dispatch to Washtenaw County Sheriff's Office.
- 👤 Eliminated Zetron system and upgraded to Michigan Public Safety Communications System paging for station alerting.
- 👤 Conducted feasibility study of Station 1 renovations.
- 👤 Completed a full audit and inventory of all turnout gear and created a secured surplus area. Removed a significant amount of out of service turnout gear from circulation.
- 👤 Started site plan feasibility studies for new Stations 3 and 4.
- 👤 Implemented Community Risk Reduction program to address at-risk residents.
- 👤 Worked with Washtenaw County Sheriff's Office for replacement of CodeRed system. Project completion expected in 2020.

ANNUAL REPORT

Table of Contents

Statistics	3
Personnel	8
Operations	9
Community Risk Reduction	11
Fire Prevention Bureau	12
Training	13
Logistics	14
Emergency Management	15
Activities	16



(above) AAFD Honor Guard presented the colors during the signing of the National Anthem during University of Michigan Men’s Basketball games at Crisler Center in both January and November.

Pictures from cover

(Center) Spray park with State Street District following July 4th parade. (Top right) Mutual-aid structure fire to Ann Arbor Twp off of Barton Drive – originally reported in the City of Ann Arbor. (Top middle right) Station 1 crews delivered Santa to Kindfest in Kerrytown. (Bottom middle right) Firefighters work with Public Services crews to deploy boom across the Huron River following a diesel spill on the M-14 bridge. (Bottom right) AAFD members of the Washtenaw County Hazardous Materials Response Team prepare for a reconnaissance mission on a semi tractor-trailer roller on I-94 at State Street. (Left bottom) Solar array is installed on Station 6.

STATISTICS

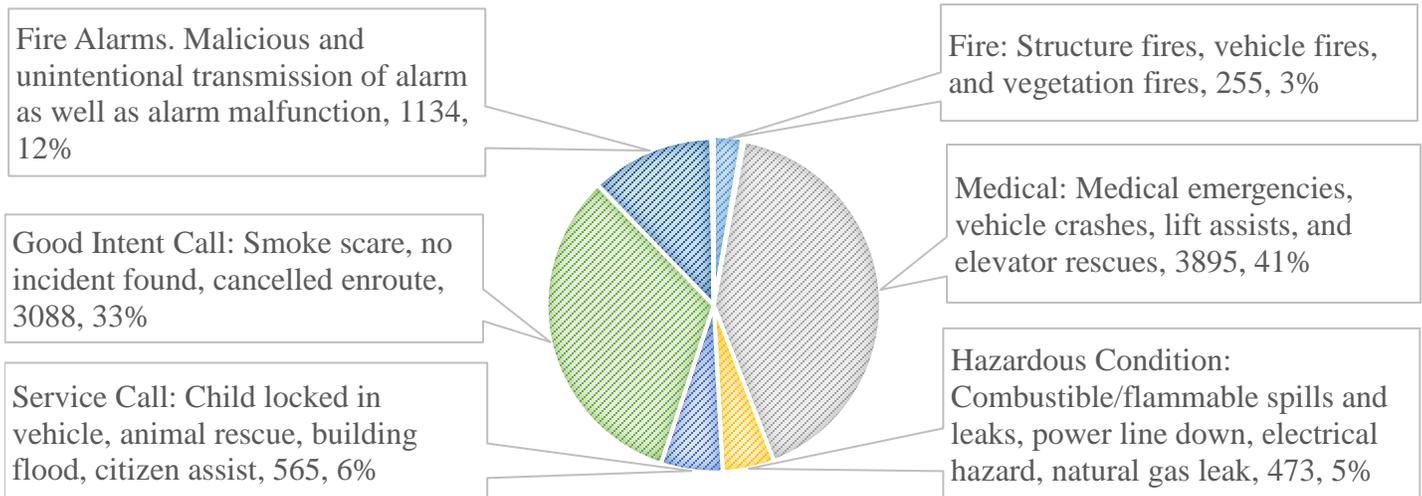
By the Numbers

\$17,0316,562 - FY20 Budget
87 - Employees
5 - Active Fire Stations
121,690¹ - Population Protected
27.6 square miles - Geographic Area
96 - Community Events²
9,415 - Calls for Service
1 - Civilian Fire Fatality
\$171,208,060 - Property Value Saved
48 - Structure Fires
\$20,217 - Sale of Obsolete Equipment

(left) Firefighters performed a live fire demonstration showing the benefits of residential sprinklers during the 2019 Public Safety Open House



2019 Incident Breakdown



48 structure fires
103 cooking fires (confined to container)
30 vehicle fires
37 carbon monoxide incidents (with CO)
171 power line down incidents

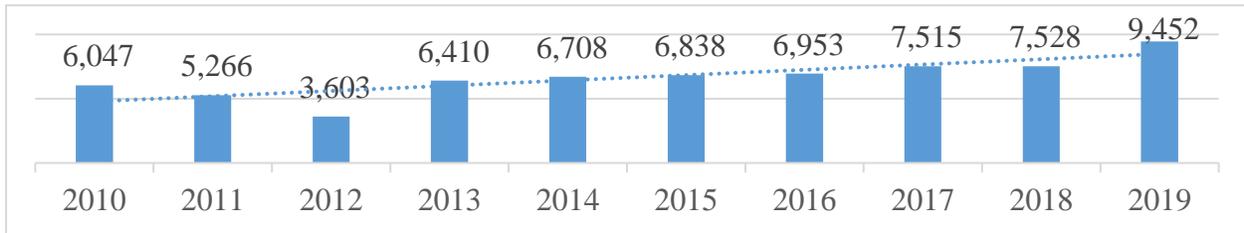
5 vehicle extrications
35 vehicle versus pedestrian
80 elevator rescues
10 animal rescue
77 pipe breaks or water in building incidents

¹ 2020 City of Ann Arbor SEMCOG population estimate

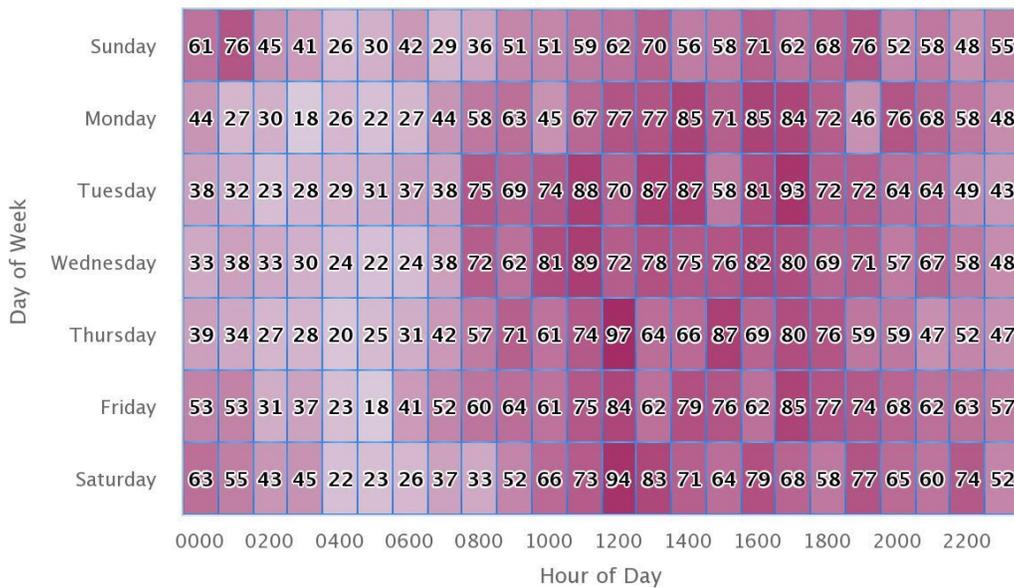
² Community events includes Safety Town, fire education talks, station tours, neighborhood block parties

STATISTICS

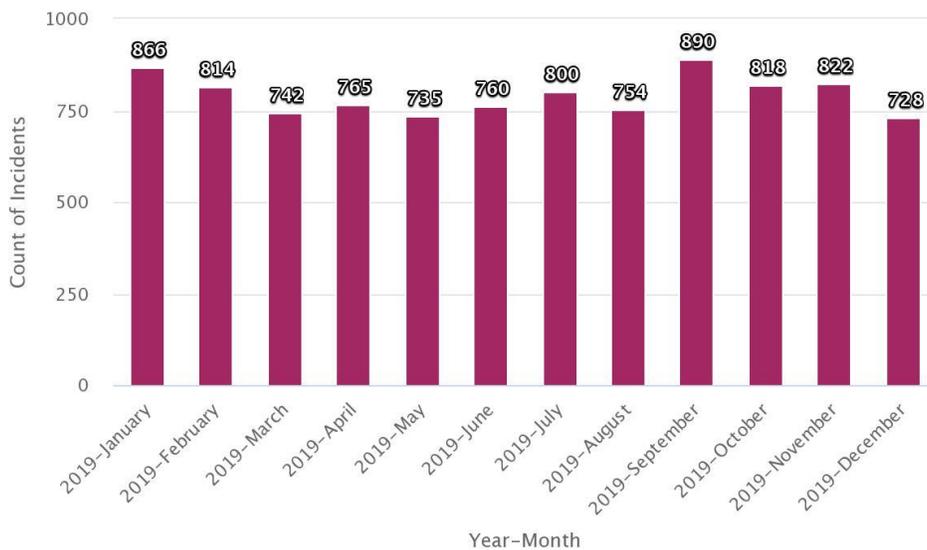
Annual Incidents



Incidents by Day and Hour

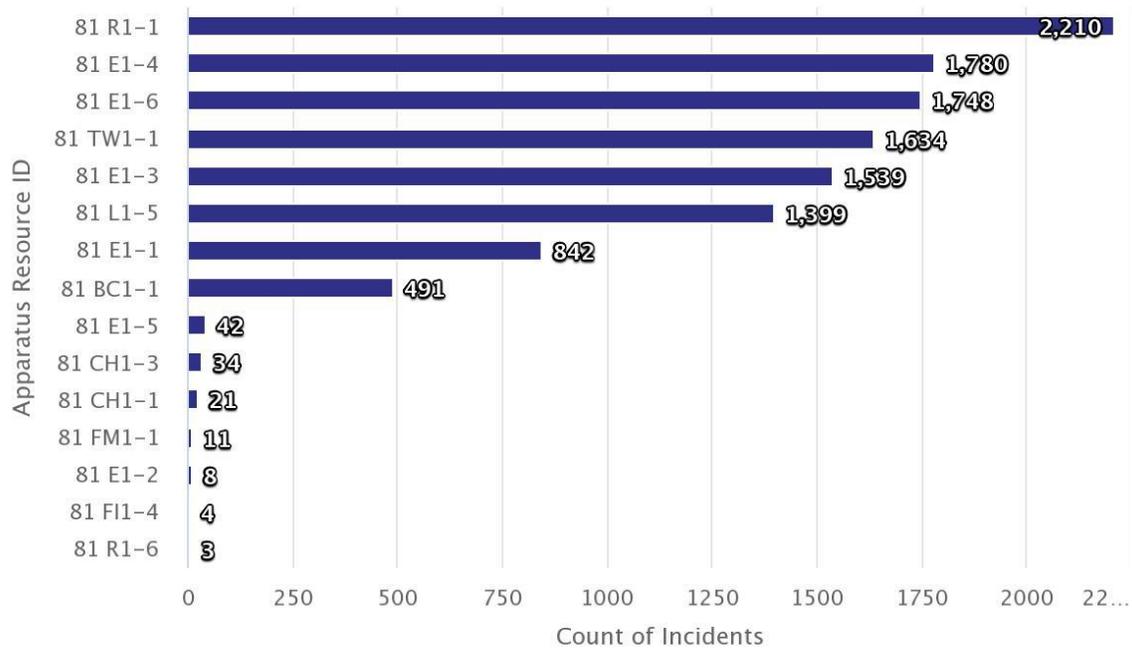


Incidents by Month

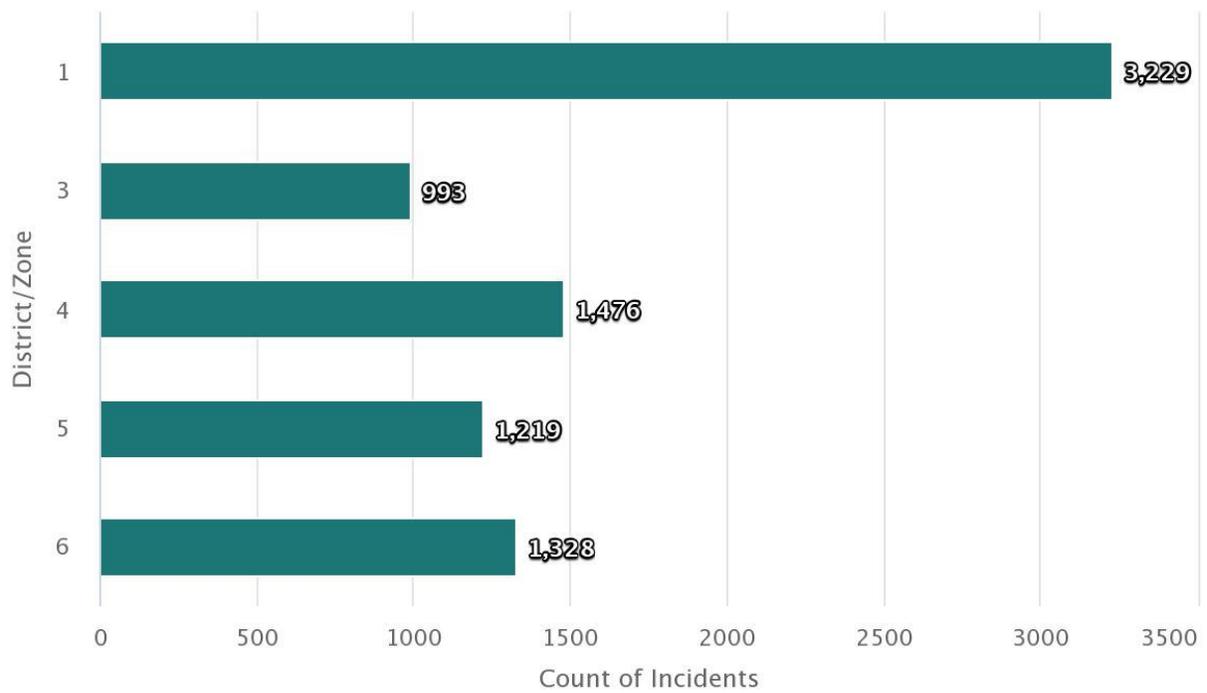


STATISTICS

Incidents by Apparatus Resource ID (Top 15)

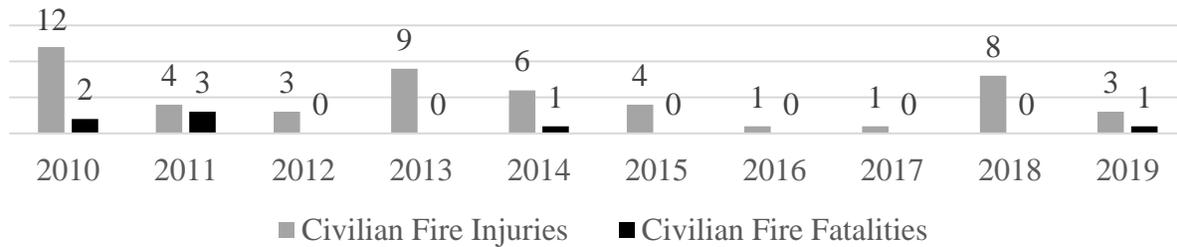


Incidents by District/Zone

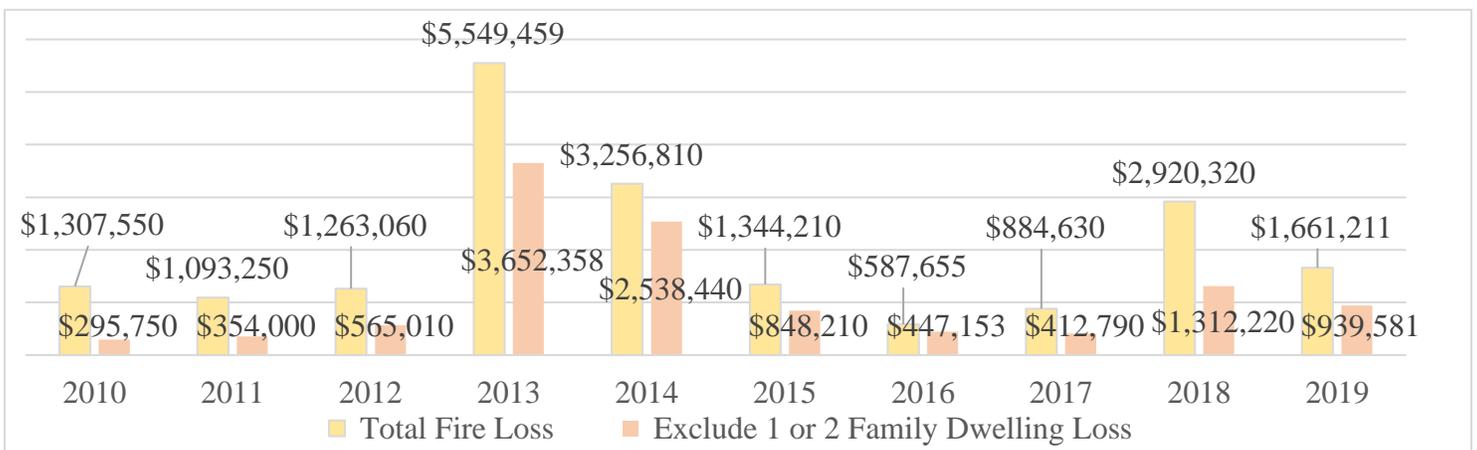


STATISTICS

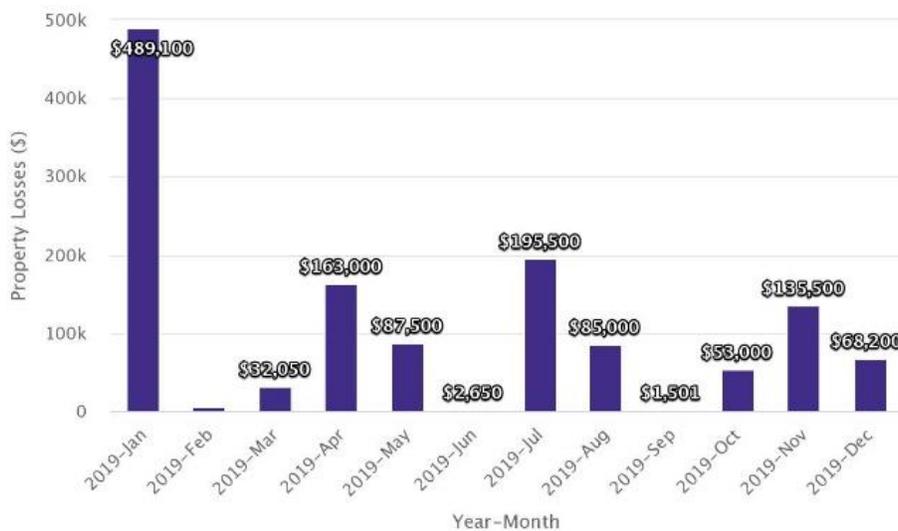
Civilian Fire Injuries and Fatalities



³⁴Fire Loss (Property and Contents)



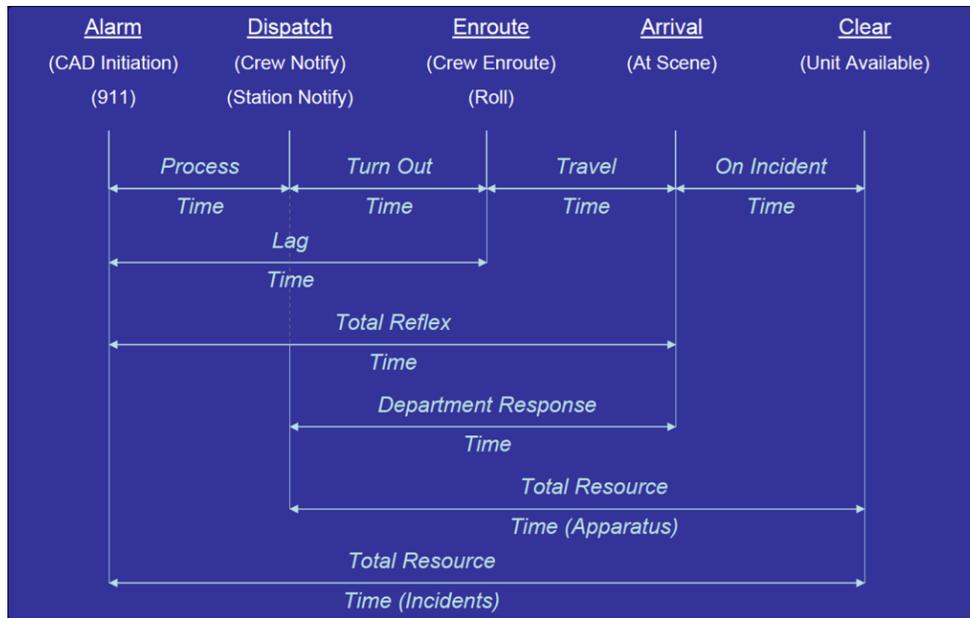
Property Losses by Month



³ In 2019, \$171,208,060 worth of property was protected. Property loss was limited to \$1,317,501, which represents .76% of the total assessed value of property involved in fire-related incidents.

⁴ In 2013, there was a single laboratory fire with a loss of \$3,000,000

STATISTICS



Citywide Incident Response - Turn Out Time⁵

Num Incidents	Avg Time (Minutes)	Average Time (HH:MM:SS)	Median Time (Minutes)	Median Time (HH:MM:SS)	90th Percentile (Minutes)	90th Percentile (HH:MM:SS)
4,158	2.06	00:02:03	1.72	00:01:43	2.82	00:02:49

Citywide Incident Response - Travel Time⁶

Num Incidents	Avg Time (Minutes)	Average Time (HH:MM:SS)	Median Time (Minutes)	Median Time (HH:MM:SS)	90th Percentile (Minutes)	90th Percentile (HH:MM:SS)
3,992	3.21	00:03:12	3.18	00:03:10	6.27	00:06:16

Citywide Incident Response - Department Response⁷

Num Incidents	Avg Time (Minutes)	Average Time (HH:MM:SS)	Median Time (Minutes)	Median Time (HH:MM:SS)	90th Percentile (Minutes)	90th Percentile (HH:MM:SS)
4,107	5.30	00:05:18	4.93	00:04:55	8.25	00:08:15

⁵ Filtered for emergency incidents, non-mutual aid, first apparatus arrival.

⁶ Filtered for emergency incidents, non-mutual aid, first apparatus arrival.

⁷ Filtered for emergency incidents, non-mutual aid, first apparatus arrival.

PERSONNEL

Lynda Rathburn serves as the office manager and is critical to numerous administrative and personnel functions including accounts payable, payroll, and contract administration.

Promotions

- 👤 Battalion Chief Mark Luick
- 👤 Captain Christopher Buscemi
- 👤 Captain Matthew Hughes
- 👤 Lieutenant Bradley Tanner
- 👤 Lieutenant James Tiernan
- 👤 Lieutenant Timothy Karolak
- 👤 Fire Inspector I Ryan Newkirk
- 👤 Driver / Operator Jason Gravelle
- 👤 Driver / Operator Jonathan Lukosavich
- 👤 Driver / Operator Casper Vanderkarr
- 👤 Driver / Operator Ernest Close
- 👤 Driver / Operator Matthew Francis
- 👤 Driver / Operator Bryce McAllister
- 👤 Firefighter Cody Eddington
- 👤 Firefighter Kenneth Richmond
- 👤 Firefighter Christopher Roy
- 👤 Firefighter Visar Gjetaj
- 👤 Firefighter Andrew Gignac
- 👤 Firefighter Jacob Wing
- 👤 Firefighter Tracy Youell
- 👤 Firefighter Michael Rudolph
- 👤 Office Manager Lynda Rathburn



(above) City Clerk Jackie Beaudry swearing in FF Eddington, FF Richmond, FF Roy, and FF Gjetaj

New Hires

👤 Probationary FF Brittany Tooman

👤 Probationary FF Jared Zygmontowicz

Retirements

👤 Battalion Chief Randy Menard

👤 Captain Michael Roberts

👤 Captain James Budd

👤 Fire Inspector Terrance Sullivan



In October, Lieutenant Jeremy Flack graduated from Eastern Michigan University's School of Fire Staff and Command. This program is designed to prepare the professional fire officer to effectively manage their fire agency. This management-oriented program consists of 350 hours of competency-based education spread over ten months.

(left) Assistant Chief Box, Lieutenant Jeremy Flack, and Chief Kennedy at the EMU Staff & Command graduation ceremony.

OPERATIONS



The operations division is led by Assistant Chief Andrew Box. Operations is organized into three shifts comprised of twenty-four firefighters, who work a 54-hour work week. Firefighters work a one day on and two days off (24/48) schedule. The department deploys three engine companies, two ladder companies, one light-rescue company, and one battalion chief operating out of five fire stations. AAFD also provides fire service protection to the University of Michigan, Ann Arbor campus.



Battalion Chiefs

- 👤 Mark Edman
- 👤 Derek Wiseley
- 👤 Mark Luick



Tower 1-1

Rescue 1-1

- 👤 Captains: Christopher Buscemi, Stephen Kreger, Matthew Hughes
- 👤 Lieutenants: Danielle Lalonde, Scott Peterson, Timothy Karolak
- 👤 Driver / Operators: Pablo Ramirez, David Cue, Robert Porter, Mark Hanselman, William Gaken, Jason Gravelle, Jonathan Lukosavich, Christopher McGlothin, Robert Vanderkarr
- 👤 Firefighters: Nicholas Kaczor, Neil Boes, Nicholas Foren, Christopher Warden, Julian Gross, Matthew Barbarich, Zane Kingsbury, Visar Gjetaj



OPERATIONS



Engine 1-3

- 👤 Lieutenants: William Gamble, Brent Kostanko, Bradley Tanner
- 👤 Driver / Operators: Daniel Campbell, Tilvis Bolen, Kristopher Lussenden
- 👤 Firefighters: Shane Doyon, John Crowell, Jonathan Fotopoulos, Christopher Roy



Engine 1-4

- 👤 Lieutenants: Jason Corrado, John Maguire, James Tiernan
- 👤 Driver / Operators: Christopher Leadbetter, Jeremy Torres, Bryce McAllister
- 👤 Firefighters: Christopher Brown, Cody Eddington, Kenneth Richmond



Ladder 1-5

- 👤 Lieutenants: Allen Bruck, Andrew Boonstra, Robert Tudor
- 👤 Driver / Operators: Michael Pratt, Stephen Potbury, Matthew Francis
- 👤 Firefighters: Christopher Nielsen, George Allard, Leo Susick, Kenway Hensley



Engine 1-6

- 👤 Lieutenants: Craig Ferris, Kirk Hedding, Jeremy Flack
- 👤 Driver / Operators: Timothy Rugg, Benjamin Zahn, Ernest Close
- 👤 Firefighters: Ronald Robbins, Cliff Blackford, John Lukosavich

Unassigned Firefighters: Michael Rudolph, Andrew Gignac, Tracy Youell, Jacob Wing, Brittany Tooman, Jared Zygmontowicz

COMMUNITY RISK REDUCTION



In 2019, Assistant Chief Marc Tyler was assigned to formalized Community Risk Reduction (CRR) efforts within the AAFD. CRR is a doorway to the renovation of the fire service culture, utilizing a data-driven process to transform the delivery of services. CRR utilizes non-traditional fire service partnerships to address community needs. This community-based approach utilizes partnerships to understand, assess, and provide inclusive solutions to community safety issues.

Within the City of Ann Arbor, residents requiring frequent response are usually dealing with mental health issues, addiction, and / or are in a living situation that is not suitable for their physical and emotional needs.

The following organizations and individuals are partnered with to address repetitive residents.

- Washtenaw County Community Mental Health - Melisa Tasker
- Washtenaw County Office of Community & Economic Development - Moonson Eninsche
- Center for Health and Research Transformation (CHART) - Karin Teske
- Ann Arbor Police Department - Deputy Chief Jason Forsberg
- Synod Community Services - Laurie Lutomski

The following organizations and individuals are part of the Excessive Storage (Hoarding) Task Force.

- City of Ann Arbor
 - Police Department - Deputy Chief Jason Forsberg
 - Community Standards - Jessie Rogers
 - Building and Rental Services - Lisha Turner-Tolbert, Glen Dempsey, Marc Howell, Terry Root, Steve Colliau, Jeanne Powers
- Emergent Health Partners / Huron Valley Ambulance
- Washtenaw County Department of Health and Human Services
 - Adult Protective Services – Rita Sharma, Rashanna Davis, Julie Seymour
 - Washtenaw Health Plan - Ebony Curry
- Michigan Medicine
 - Depression Center - Jim Abelson
 - Psychiatry Anxiety Disorder Clinic - Joseph Himle
 - Geriatrics Center - Mary Rumman
 - Housing Bureau for Seniors - Nicole Pratt
- University of Michigan LSA Psychology - Stephanie Preston
- Catholic Social Services - Kevin Bell
- Long Term Care Social Worker - Glacier Hills – Patrice La Grand
- Legal Services of South-Central Michigan - Toi Dennis, Lisa Maskill
- Anxiety & OCD Treatment Center of Ann Arbor - Laura Lokers,
- Children of Hoarders - Elizabeth Nelson
- Washtenaw Area Council for Children - April Scanlan
- Jewish Family Service of Washtenaw County - Marina Sarafian
- Retired Geriatric Social Worker - Diane Fenske

FIRE PREVENTION



The Fire Prevention Bureau is led by Fire Marshal Kathleen Summersgill. This bureau maintains a robust fire prevention program that includes the elements of fire code enforcement, fire plan review, fire cause and origin investigation, and community risk reduction. Fire inspectors are responsible for conducting fire safety inspections of new and existing buildings, reviewing plans for fire code compliance, conducting fire and arson investigations, and coordinating a variety of community risk reduction education programs. The bureau also manages Freedom of Information Act (FOIA) fire-related requests.

Fire Inspectors Gianna Bommarito, Michael Reddmann, Ryan Newkirk
Management Assistant Leslie Herter

By the Numbers

961 - Building or complex inspections (an entire mall may be one single inspection)

2,502 - Code violations identified categories⁸

62 - Fire watch orders mitigated due to fire alarm or suppression system impairment.

30 - Fires investigated for cause and origin.

32 - Approved and installed keys for new Knox Boxes.

28 - Hydrant flow tests for suppression system water flow calculations.

Fire Marshal Reviews

78 - Site plans

15 - Land divisions

8 - Zoning variances

119 - Sidewalk occupancy compliance

26 - Annexation parcels

59 - Tent permits

64 - Site compliance plans

23 - Prescription burn permits

Training and Certifications

👤 Inspector I Newkirk and Temporary Inspector I Rugg each successfully gained certification for NFPA Certified Fire Inspector I.

👤 Inspector Reddmann successfully gained certification for NFPA Certified Fire Plan Examiner Plan Review and NFPA Certified Fire Plan Examiner.

👤 Inspector Bommarito completed NFPA Certified Fire Plan Examiner.

Administrative Assistant Herter

👤 Responded to 183 Freedom of Information Act (FOIA) requests.

👤 Invoiced approximately \$147,283 for false alarms.

👤 Invoiced \$330,263 for fire inspections.

Major Projects

👤 Implementation of ImageTrend for inspections, which replaced a 20-year old software.

👤 Created policy for identifying new buildings requiring emergency responder radio coverage. This radio system requirement was added to new plans for several construction projects in 2019.

⁸ The reporting software does not tally multiple violations of the same issue in one occupancy, e.g., one business may have twelve emergency lights out, but it would only report a singular code violation.

TRAINING



The Training Division is led by Training Officer Craig Sidelinger and is charged with developing and improving firefighting techniques as well as standards for rescue and emergency medical services and evaluating and maintaining quality control of firefighting methods used by the suppression division. Staffed with a training officer and assistant training officer the training division manages a variety of programs to train and protect firefighters and staff.

Assistant Training Officer Brian Schotthoefler

Training Hours

2,653 In-Service Online

Learning management software that addresses topics as required by the City Safety Unit and Michigan Occupational Safety and Health Administration.

5,163 In-Service Practical

Department conducted training emphasizing practical skills: pump operations.

782 Special Operations

Training in unique circumstances such as technical rescue (confined space, collapse, trench, large vehicle extrication), swift water rescue, and hazardous materials.

2,770 Professional Development

Training that addresses promotional and career advancement: fire officer classes.

480 Probationary Firefighter Training

New employee on-boarding program

9,078 Total Hours



(left) Instructors from Rise Above Fire Training taught through the lock forcible entry training to each shift. This is advanced training to gain entry while lessening damage on low priority incidents.



(above) Chief Kennedy, Lieutenant Kirk Hedding, and D/O Jon Lukosavich participated in a three-day hoseline management course at Oakland Community College.



(left) Oakland Community College conducted on-site flashover training for each shift at the Wheeler Center. This training teaches signs of flashover in a controlled environment. Live fire training is extremely valuable and conducting it onsite reduced overtime costs.

LOGISTICS



Jeff Pelzel has the title of master mechanic. This position title has its origins to when AAFD had five mechanics, who maintained the fire apparatus fleet. Today, City Fleet Services performs annual DOT inspections, routine maintenance, and repair services. The “master mechanic” has evolved to a logistics coordinator. This position is the AAFD liaison with Fleet Services and coordinates repair and maintenance of fire facilities. This position also works with vendors for a large assortment of equipment maintenance and testing.

Major Projects

- 👤 Completed the decommissioning of the follow fleet assets.
 - 1999 Emergency-One reserve engine (fleet #1042)
 - 1995 28’ enclosed technical rescue trailer (fleet #1031)
 - 1984 open bed technical rescue trailer (fleet #1032)
 - 2016 Ford Transit Connect van (fleet #1057)
 - 2008 GMC Sierra 2500 (fleet #1052)
- 👤 Oversee vendor completion of annual testing of the following equipment
 - Ground and aerial ladders
 - Fire apparatus pumps
 - Self-contained breathing apparatus (SCBA). This year also included a renaming and relocating of several spare SCBA to reserve status.
 - Fire hose
 - Fire extinguishers
- 👤 Commissioning and place in service new
 - 2019 Crimson fire engine (Engine 1-6) (fleet #1064)
 - 2019 Chevrolet 2500 was added to assist with training and logistics (fleet #1062)
 - 2017 GMC Sierra was transferred from training to mechanic vehicle (fleet #1019)
- 👤 Quarterly testing of SCBA air trailer.
- 👤 Installed sustainable toilet paper, roller towels and soap dispensers at all fire facilities.
- 👤 Assisted with inventory and sale of \$20,217.92 in obsolete equipment.



(left) Staff reviewed the completion of the chassis for new Engine 1-6 at Spartan Motors in Charlotte, MI. Pictured left to right top row: Matt Holzhei - Spartan, Captain Matt Hughes, Firefighter Julian Gross, Scott Bowling - City Fleet, Michael Zahnen - Spartan, Lieutenant Craig Ferris. Bottom row: Chief Mike Kennedy, Master Mechanic Jeff Pelzel.

EMERGENCY MANAGEMENT



Rick Norman serves as the emergency management coordinator. Emergency Management coordinates all City of Ann Arbor emergency planning for weather-related and other disasters, maintains an emergency operations center, conducts emergency preparedness training and operates a citywide storm/tornado warning siren system

Exercises

- Conducted Barton Dam Failure Tactical Workshop with City staff
- Conducted Continuity of Operations Planning Workshop with City staff
- Emergency Management Line of Succession attended Ford Lake table top and functional exercises
- Conducted Severe Winter Weather table-top exercise with City leadership
- Participated in annual Barton Dam table-top exercise, FERC requirement
- Facilitated CodeRED callout drills for several emergency notification groups
- Participating in Presidential Debate Training and Exercise Committee

Presentations

- Citizen Preparedness for Ann Arbor Ready!
- Emergency management overview for the Citizens Police/Fire/Courts Academy.
- Severe weather and tornado safety to Brookhaven Manor.
- Continuity of operations planning process to City leadership.

Grants

- Michigan State Police Emergency Management and Homeland Security Division: Emergency Management Performance Grant quarterly work plan completion: \$44,478
- Assisted St. Francis of Assis School in EOP review for Competitive School Safety Grant application – Grant Award \$48,770
- Assisted Hebrew Day School in EOP review for Competitive School Safety Grant application – Grant Award \$30,989

Major Projects

- Maintain City Hazard Mitigation Plan with bi-annual Technical Advisory Committee meetings managing action items and emerging threats. This project supports requirements of the Community Rating System, which reduces flood insurance rates for City residents.
- Manage upgrades and improvements to the outdoor warning system. Mechanical and electronic components are being brought up to current standards and a redundant activation point has been installed.

ACTIVITIES

(right) Inspector Michael Reddmann engages at the Ann Arbor Art Fairs. All on-duty companies visited the fairs for planning and community engagement



(left) Each shift toured the landing pads for Survival Flight on top of the U-M C.S. Mott Children's Hospital. Firefighters pre-planned equipment locations and access stairwells.

(right) In October, bystanders and firefighters who provided care were reunited with Mr. Stoupe (second from right). Mr. Stoupe suffered a cardiac arrest and made a full recovery.



(left) In April, firefighters responded to a house fire in the 2300 block of Sandalwood Circle. The fire was unintentional.

ACTIVITIES



(left) In June, multiple apparatus assisted the Pittsfield Twp FD on a storage facility fire off of Lohr. This incident escalated to the equivalent of a 2nd alarm.

(below) In October, a “push-in” ceremony was held at Station 6 to commemorate the new placing in-service of a new Engine 1-6.



(right) Firefighters quickly extinguished a bedroom fire on Platt Road. The fire damage was limited to one upstairs bedroom. The fire was unintentional with no injuries.



ACTIVITIES



(left) Picture from MLive. On July 19, 2019, a severe thunderstorm resulted in thirty incidents during Art Fair. These incidents included wires down, fire alarms, elevator rescues, medical emergencies, reported house fire, and three vehicles burning due to a downed primary wire on West William (pictured). Ann Arbor Twp FD and Superior Twp FD assisted with responses.

(right) The “polar vortex” of January created very difficult conditions and resulted a major increase in incidents including a fatal house fire. Pictured here is a vehicle fire behind the U-M Law School.



(left) Tower 1-1 crew participates in the Mayor’s Green Fair on Main Street. Firefighters show equipment and discuss fire safety with attendees.

(right) Firefighters reloading house following a house fire on North Main. Firefighters contained fire damage to an upstairs bedroom. The fire was unintentional with no injuries.

