



FIRE DEPARTMENT

MONTHLY INFORMATION REPORT

January 2023

HIGHLIGHTING DATA METRICS
TO IDENTIFY OPERATIONAL TRENDS
AND
FACILITATE INFORMED DECISION-MAKING

70 E. MAIN STREET
LAKE ZURICH, IL 60047

OUR MISSION: To care for and protect our community.

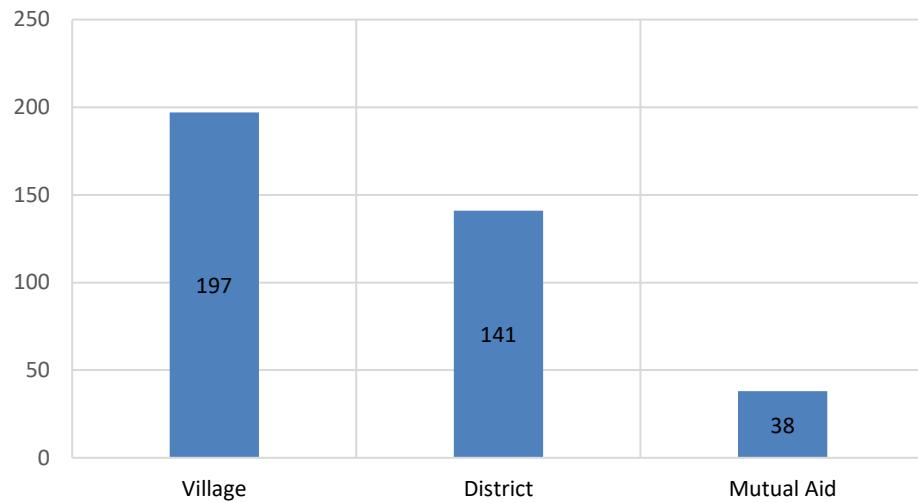
OUR VISION: The Lake Zurich Fire Department is dedicated to meeting the ever-changing needs of our community, while ensuring a safe and secure environment for all, through professional development, unity, and teamwork.

OUR VALUES: Professionalism, Responsibility, Integrity, Dedication, Honor

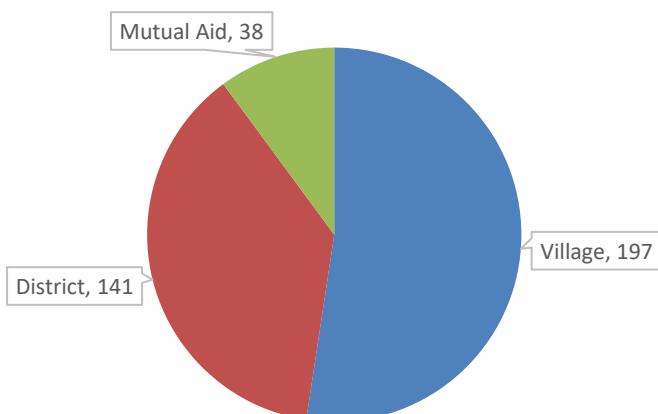
EXECUTIVE SUMMARY – JANUARY 2023

The Lake Zurich Fire Department provides a full range of professional and high-quality services to the Village of Lake Zurich and the Lake Zurich Rural Fire Protection District. We protect approximately 37,000 residents, many local businesses, and visitors across the twenty-five square mile combined service area. The Villages covered in the fire district include Hawthorn Woods, Kildeer, Deer Park, North Barrington, and Lake Barrington.

January 2023 Incidents



Year-to-Date Incidents



Incident Data

In January, the Department responded to a total of **376 incidents**.

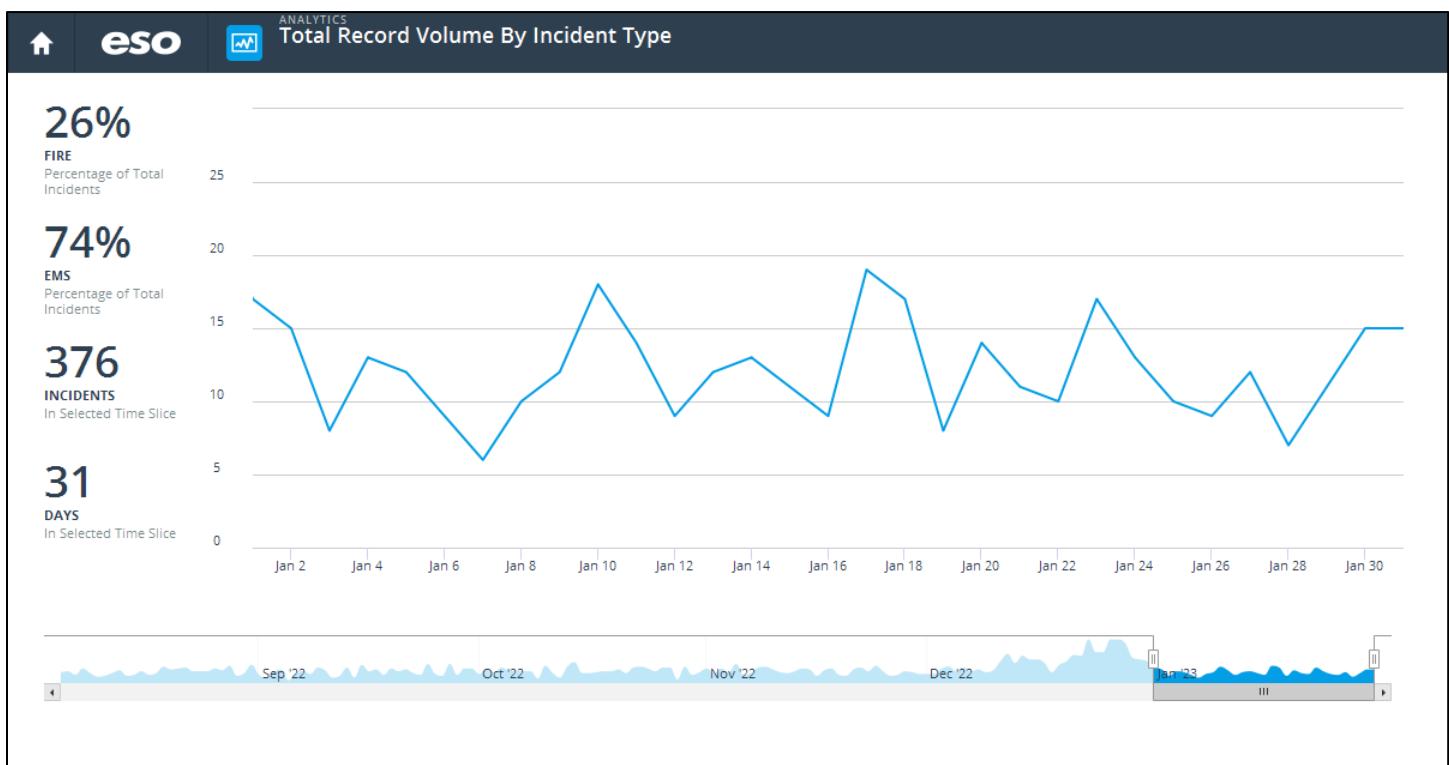
The charts to left breakdown incidents in the Village, the Fire Protection District, and Mutual Aid by month and also by year-to-date.

In 2023, there has been 52% Village incidents, 38% District and 10% Mutual Aid.

Total 2023 Incidents: 376

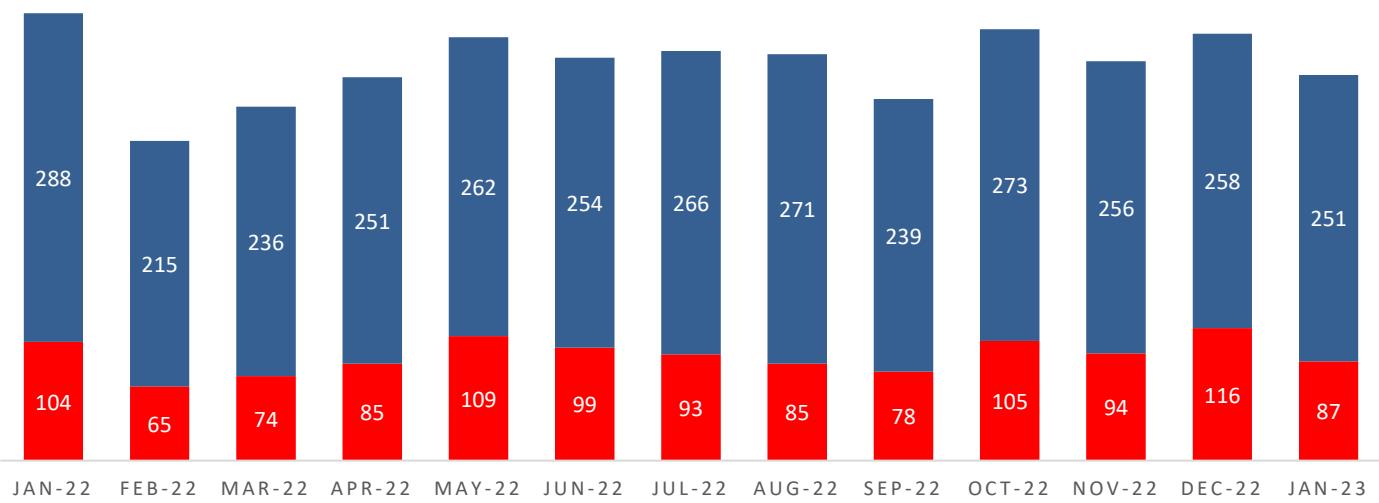
EMS vs. Fire Incidents

In January, 26% of all incidents were Fire and 74% of the incidents were EMS.

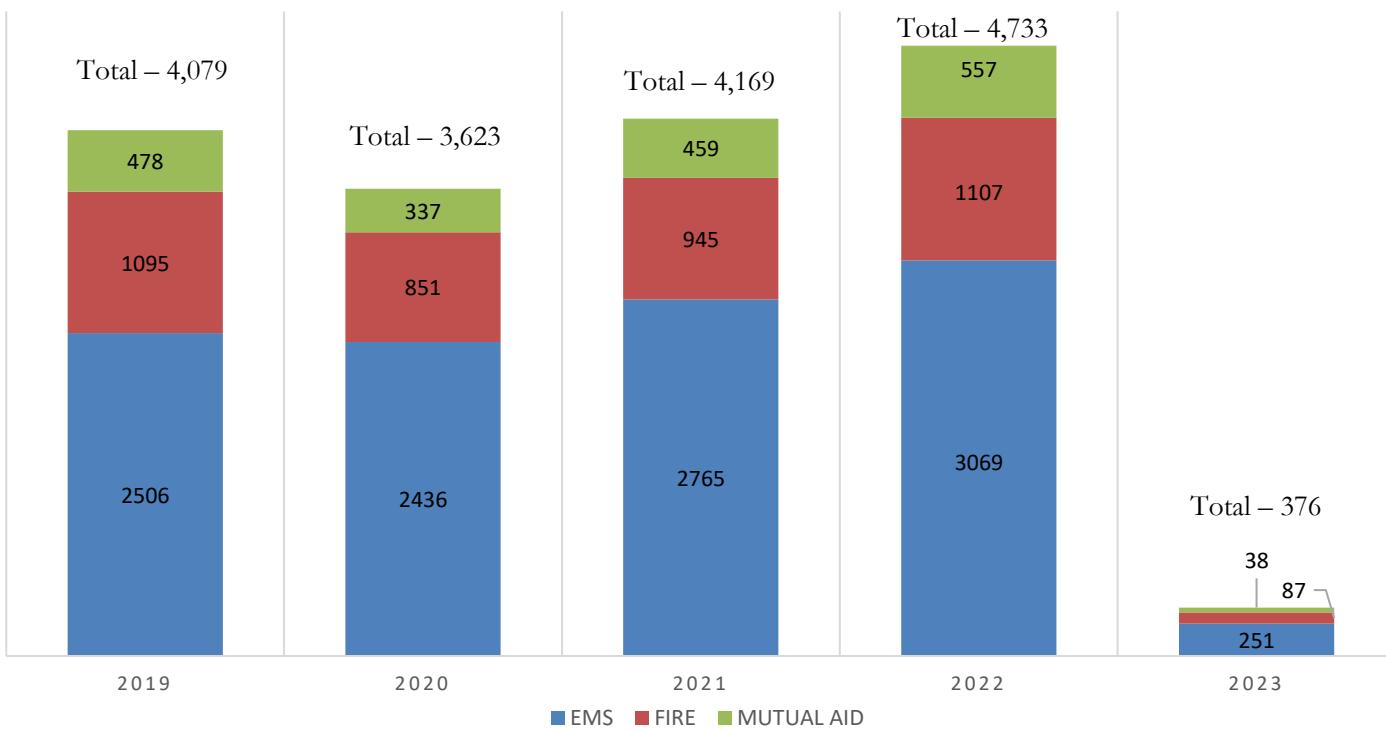


EMS/FIRE INCIDENTS MONTHLY COMPARISON (NO MUTUAL OR AUTO AID)

■ Fire ■ EMS



TOTAL INCIDENTS - EMS/FIRE/MUTUAL AID YEAR-TO-DATE



Response Model

The Department staffs an engine and an ambulance with three personnel using a “jump company” at each of our 4 stations. Due to this response model, the Department is only structured to handle a single response per station. If the call is EMS related, the personnel respond with the ambulance. If the call is fire related, the personnel responds with the engine. This frequently contributes to increased response times when simultaneous calls occur. This leads to an unstaffed vehicle for every incident we respond to in that response district. Once a station commits to a call, the next call for service requires another station or mutual aid department to handle the incident. In January, thirty-six (36%) percent of the service area responses occurred while another call was in progress.

Fire Incidents

The Department’s Mission Statement is to care for and protect our community. Preserving property is included in that mission of protecting our community.

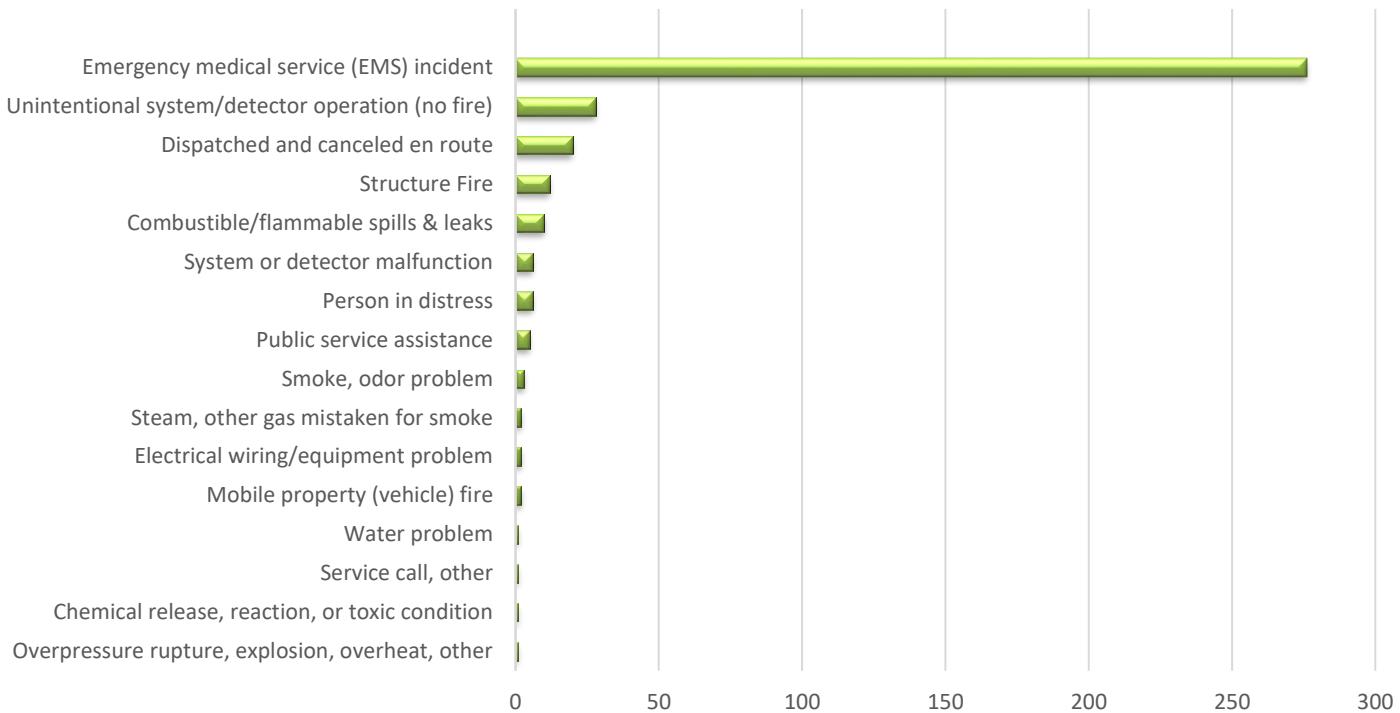
The chart to the right indicates the comparison of property value vs. property loss due to a fire in 2023. It also calculates the value of the property saved during these incidents.

Fire Value/Save/Loss Year-To-Date



The Department codes all incidents within the National Fire Incident Reporting System (NFIRS). The codes all relate to the text categories noted in the chart below. Rescue and EMS incidents account for the majority of incidents we respond to.

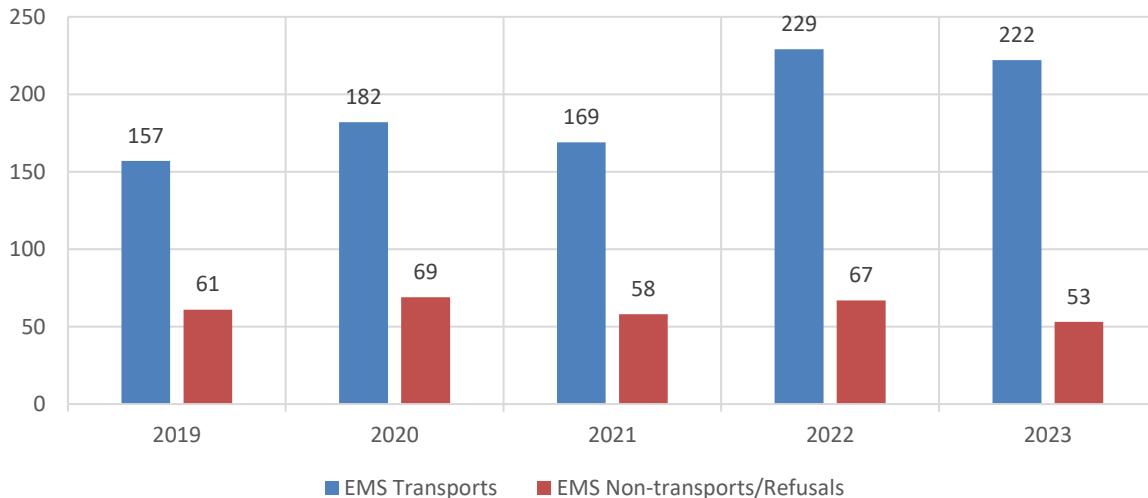
Incident Type Categories - January 2023



EMS Incidents

The chart shown below reflects EMS Transports vs. Non-Transports/Refusals. It's important to note that not every EMS call will result in a transport to the hospital. However, as you'll see from the data, transports always outpace Non-Transports/Refusals. This chart compares the month of January across 5 years.

EMS Transports vs Non-Transports/Refusals Monthly Comparison



ADMINISTRATION DIVISION

Letters of Gratitude



MCHENRY TOWNSHIP FIRE PROTECTION DISTRICT

FIRE AND RESCUE SERVICES

3610 West Elm Street • McHenry, Illinois 60050

(815) 385-0075 • FAX (815) 385-9419

www.mtfpd.org

Trustees

Allen R. Miller, President
Robert J. Meyer, Secretary
Christopher J. Bennett, Treasurer
Joseph Doherty, Trustee
Kurt Rodewald, Trustee

Commissioners

Donna Schaefer, Chairperson
Francis 'Jack' Stanaszek, Secretary
Anthony T. Huemann

Chief
Rudy Horist

Station One
3610 W. Elm Street
McHenry, IL 60050

Station Two
3710 N. Johnsburg Road
Johnsburg, IL 60051

Station Three
809 Rand Road
Lakemoor, IL 60051

Station Four
6300 Dartmoor Drive
McHenry, IL 60050

Station Five
3705 Ringwood Road
Ringwood, IL 60072

January 18, 2023

Chief Pilgard
Lake Zurich Fire Department
321 S. Buesching Road
Lake Zurich, IL 60047

Dear Chief Pilgard,

On behalf of the McHenry Township Fire Protection District, I would like to thank you and the members of your department for your assistance at our recent structure fire at the 6000 block of Chickaloon Drive in McHenry on January 14, 2023.

McHenry Township Fire Protection District units arrived at 11:53 PM to find a single-family residence with heavy smoke coming from the attic space and extending throughout the building. The sole occupant and her dog had evacuated prior to MTFPD arrival. MTFPD simultaneously initiated fire suppression, a search of the building and ventilation. The fire was located on the first floor and had spread to the attic. Firefighters had water on the fire at 12:00 AM and was completely extinguished at 12:30 AM. We are pleased that no civilians or firefighters were injured.

The assistance of your department was appreciated and is a great example of the MABAS system.

Thank you again,

Sincerely,

A handwritten signature in black ink, appearing to read "Rudy Horist".

Rudy Horist
Fire Chief

Personnel



Congratulations to Lieutenant Pat Rainey who retired on January 11, 2023 after 30 years with the Lake Zurich Fire Department! We wish Lieutenant Rainey & his family nothing but the best in his future endeavors. *(Pictured above)*



The Department welcomed new member, Firefighter/Paramedic Jacob Rowe on January 3, 2023. *(Pictured left & below)*



Community Relations / Public Education

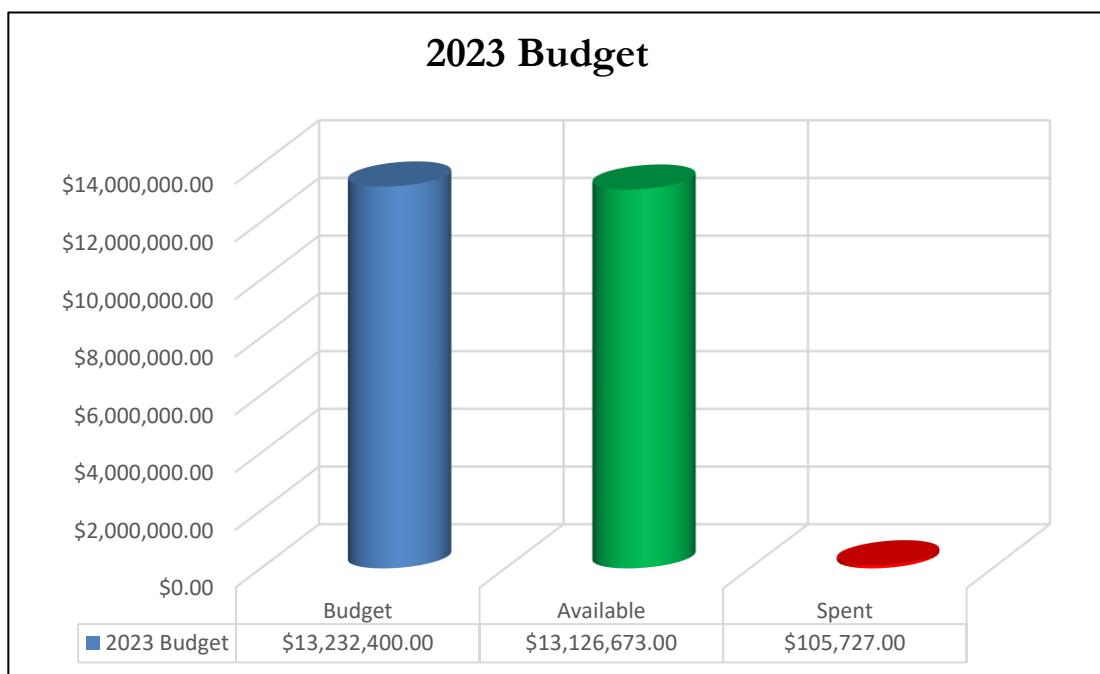
Community focus is an important aspect of the Department. This includes risk reduction through public education. Examples include but are not limited to; school & daycare visits and station tours where fire safety and a safety message, such as stop, drop, and roll is covered. We also monitor fire and severe weather drills in schools as well as teach exit drills to middle school students. The Department also provides CPR and First-Aid training.

A new department committee is the Community Relations Committee. This year, the Committee has a goal to focus on reimagining Open House, Social Media, Chili Cook-off, and re-engagement with the schools post COVID.



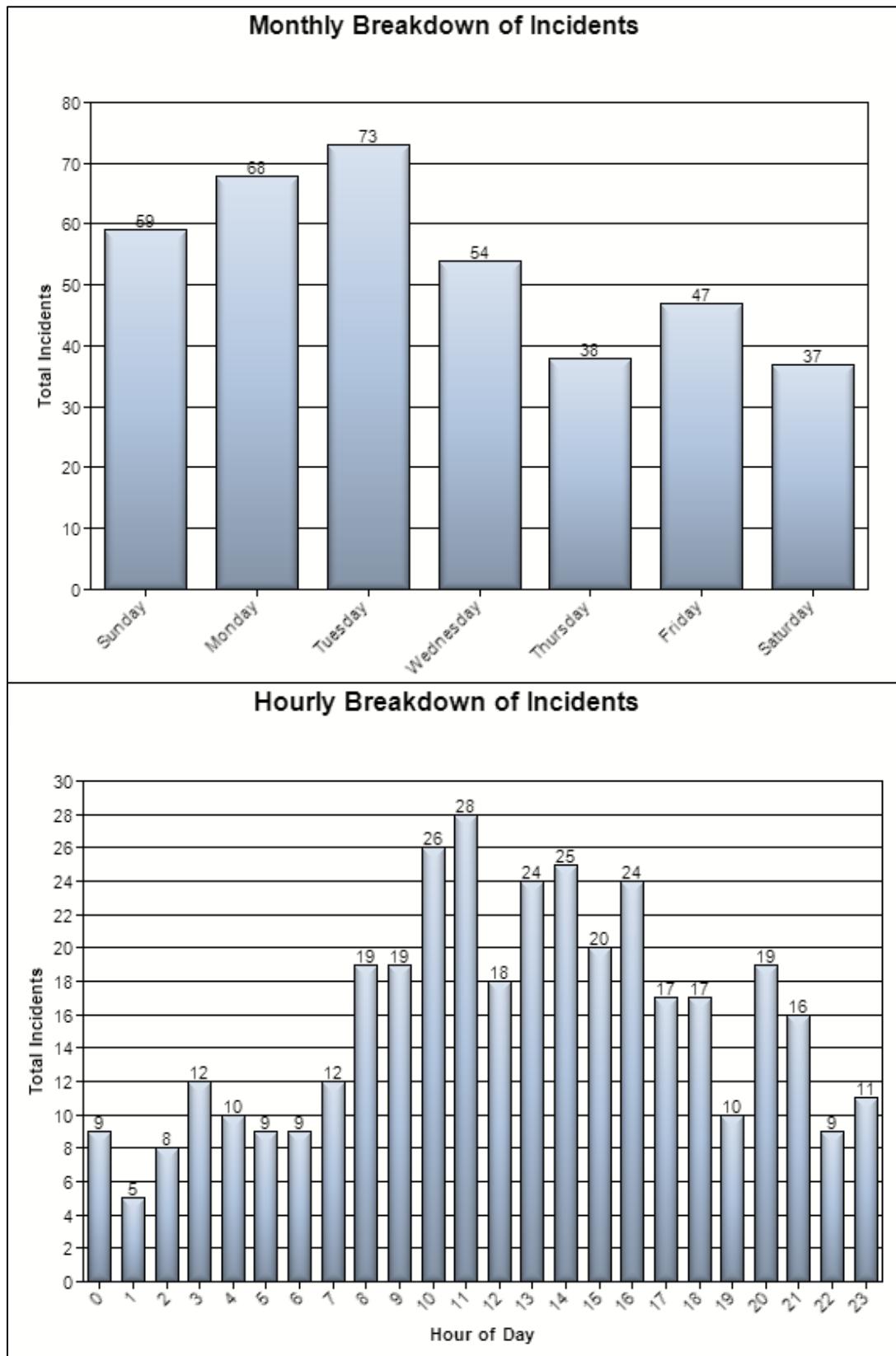
Firefighter/Paramedics Jason Kraus & Jacob Bartoli spent two days teaching CPR classes at Village of Lake Zurich Public Works. There was a total of 33 employees who took part in the AHA Heartsaver CPR and AED class. (Pictured above & right)

Budget



OPERATIONS DIVISION

The following two charts breakdown incidents by the day of the week and hour of the day.



STATION 1

321 S. Buesching Road
Lake Zurich, IL 60047

APPARATUS & STAFFING
BATTALION 32



ENGINE 321
AMBULANCE 321



STATION 2

350 W. Highway 22
North Barrington, IL 60010

APPARATUS & STAFFING

ENGINE 322
AMBULANCE 322



STATION 3

1075 Old McHenry Road
Lake Zurich, IL 60047

APPARATUS & STAFFING

ENGINE 323
AMBULANCE 323



STATION 4

21970 Field Pkwy
Deer Park, IL 60010

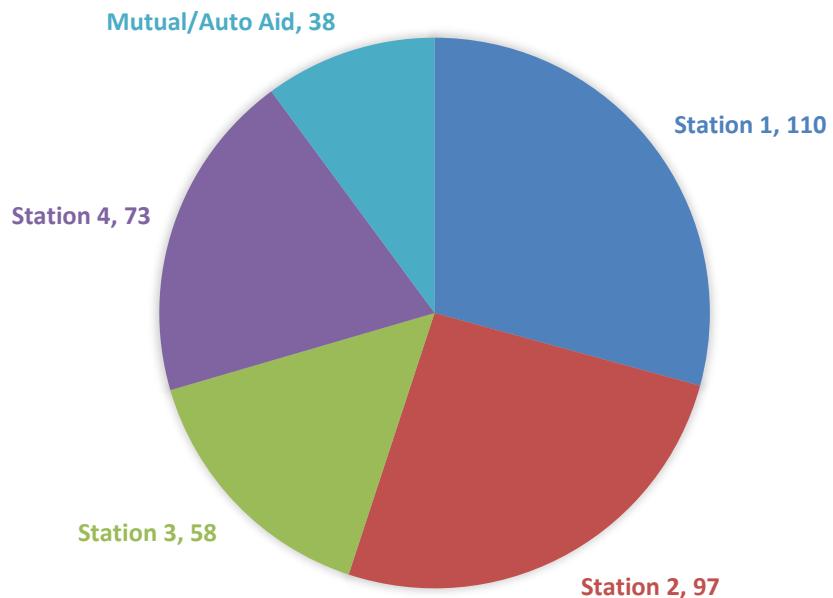
APPARATUS & STAFFING

ENGINE 324
AMBULANCE 324



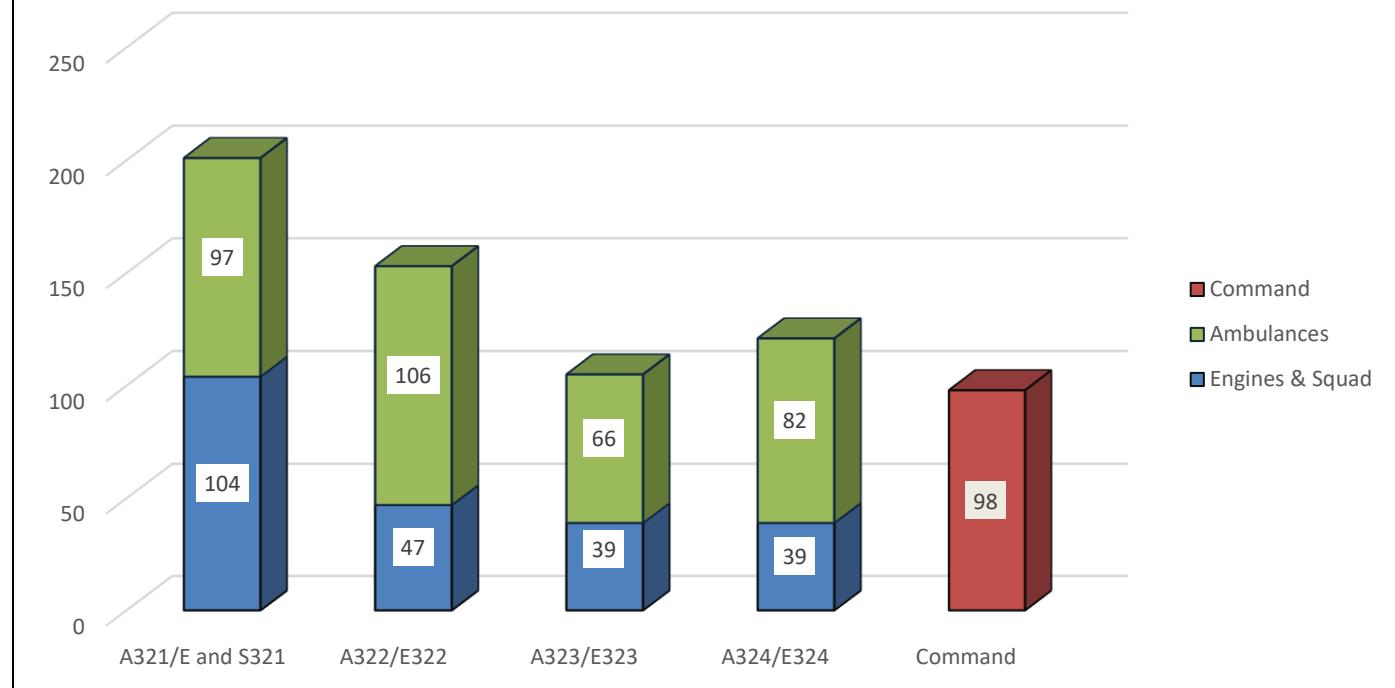
The graph below represents the number of incidents by each response area by station and mutual/auto aid for January 2023. The chart does **not** represent the station that responded.

ORIGIN OF INCIDENTS - JANUARY 2023

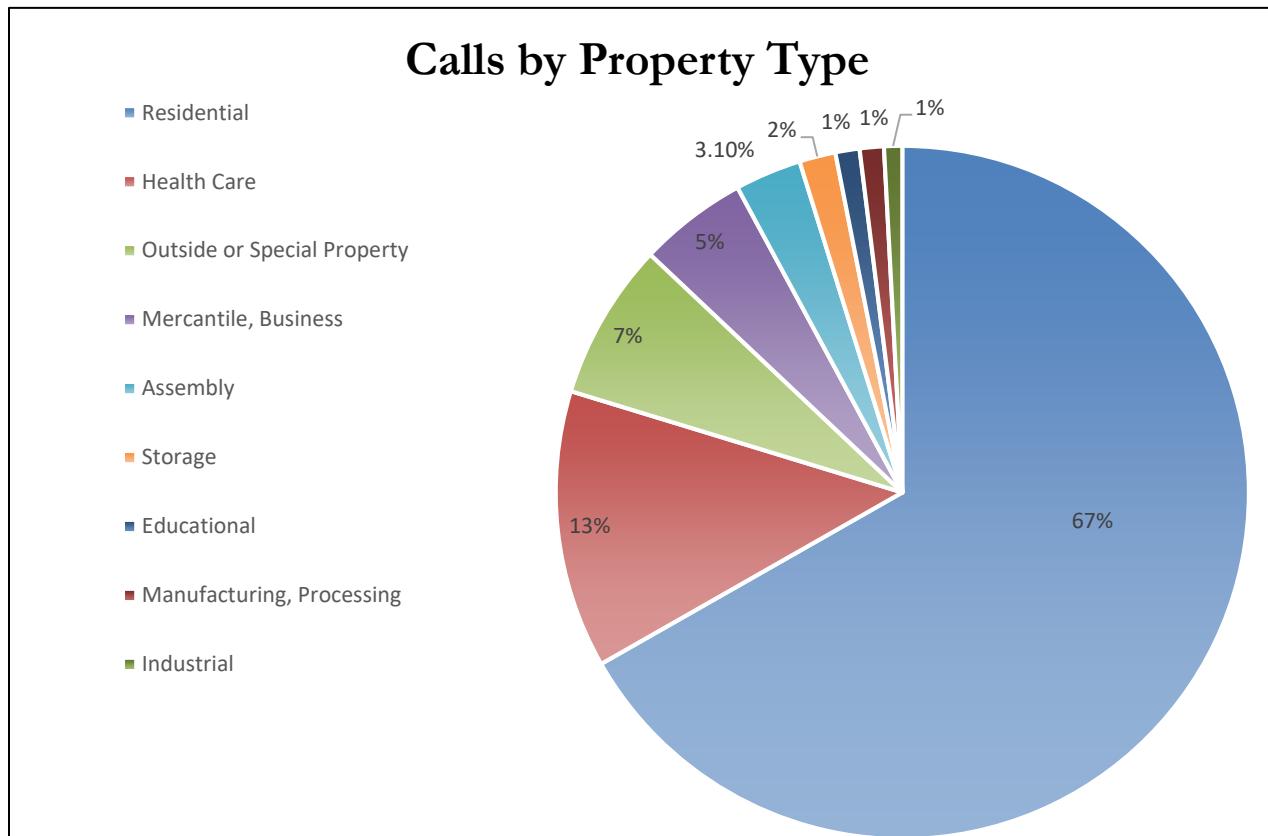


The graph below shows the number of responses by unit – Ambulances, Engines, and Command Officer – in January 2023.

Total Unit Responses - Ambulances, Engines/Squad, & Command Officer



There is a national standard for coding the type of property use. We see trends in various occupancies and use them to determine our service demand. For example, the healthcare category would increase if additional assisted living or nursing homes were open. As shown below, we continue to respond to Residential Properties more than any other (67%), and Health Care was second with (13%) of all calls.

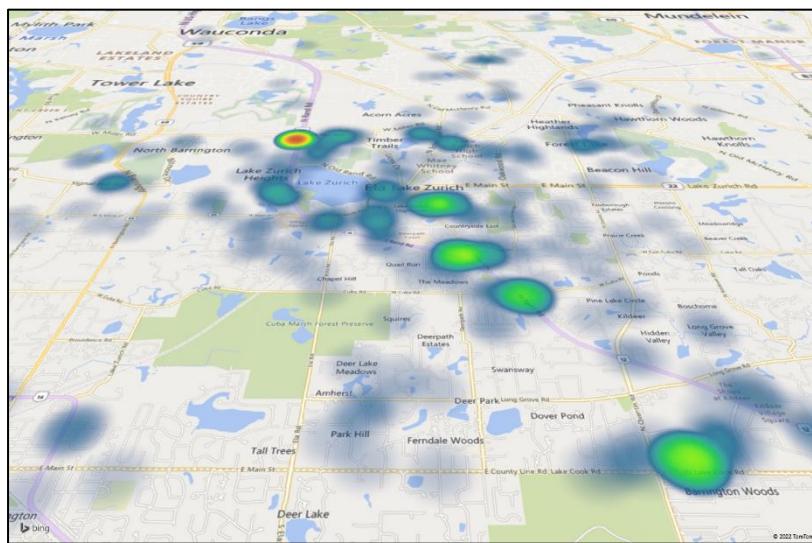


The following graphic is a visual representation of call distribution for January. As visually displayed, the assisted living/memory care facilities are a large portion of our department calls and are consistently within the top ten locations responded to each month. We frequently respond to doctor offices, health clinics, and automobile accidents near the Route 12 corridor.

Frequent Call Locations:

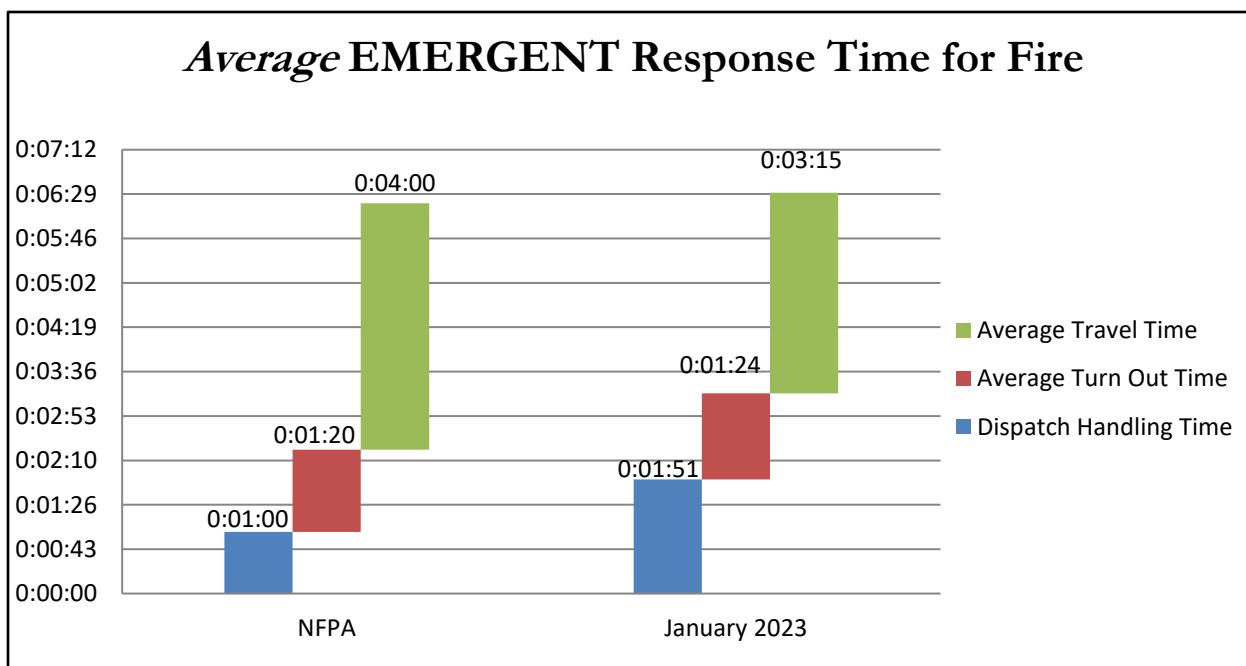
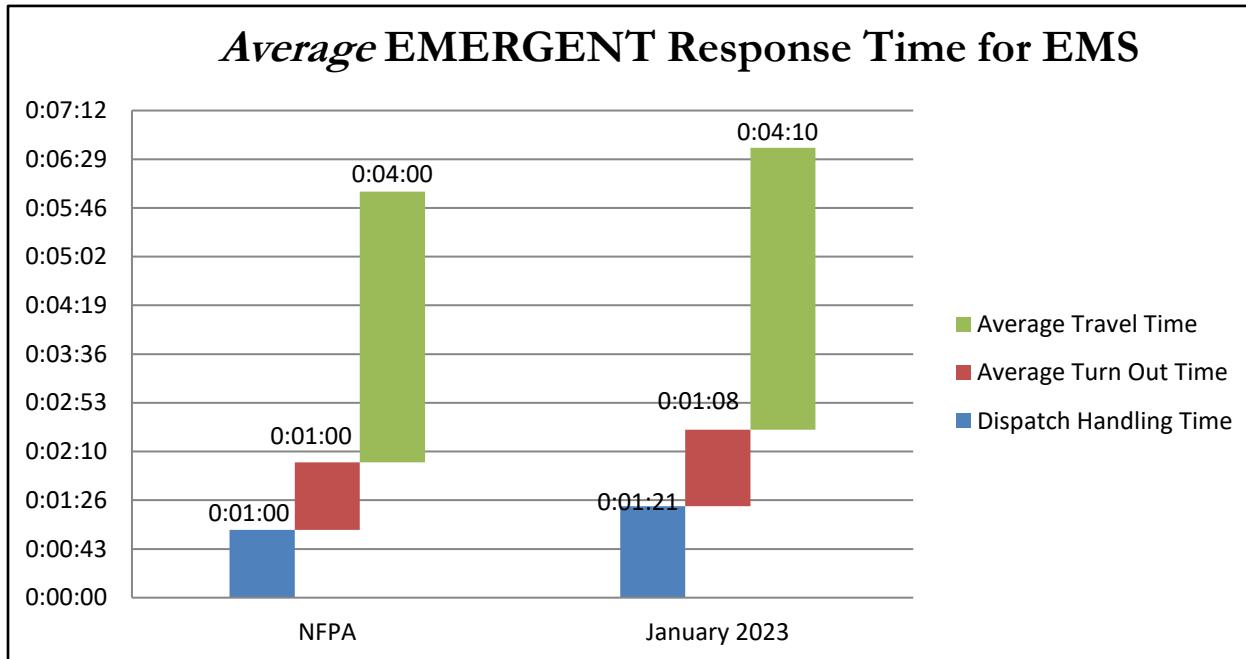
The below locations accounted for 20% of the call volume for January 2023.

- 795 N. Rand Road – Azpira Place of Lake Zurich – 35 responses
- 21840 Lake Cook Road – Deer Park Village Senior Living – 16 responses
- 900 S. Rand Road – Avantara Health Care Center of Lake Zurich – 13 responses
- 555 America Ct – The Auberge at Lake Zurich – 6 responses
- 250 Mohawk Trail – Zurich Meadows – 6 responses



Response time includes three key factors: dispatch handling, turnout, and travel time. Dispatch handling time is when dispatch takes in information and then dispatch personnel. The turnout time is when the crews receive the call to the time they get into the vehicles and hit the enroute button. Travel time reflects the time from en route to when they arrive at the incident scene. Construction, speed limits, weather, and train traffic can impact response times. The overall goal for arrival at an emergency fire call is 6 minutes and 20 seconds from the time of notification until the first unit arrives on the scene. For a response to an EMS incident, this time is 6 minutes.

The following two graphs compare the average emergency response times for Fire and EMS calls within our first arriving unit's primary response area. These times will vary based on the first responding unit's location, multiple calls, weather, time of day, and traffic conditions.



TRAINING DIVISION

During January, we completed the following shift training:

EMS Continued Education – Paramedics attended EMS CE covering special patient populations and medical devices.

Building Construction & Size-up – Review of fire flow through a building based on varying construction types.

Elevator Control – Crews trained on proper techniques for controlling an elevator during emergency situations.

Leadership Video – Crews completed leadership development training

Vehicle Size-up – Crews completed training on sizing up a vehicle following a crash for stabilization and extrication.

Probationary Program - Probationary members worked on completing Probationary Program. *(pictured right)*

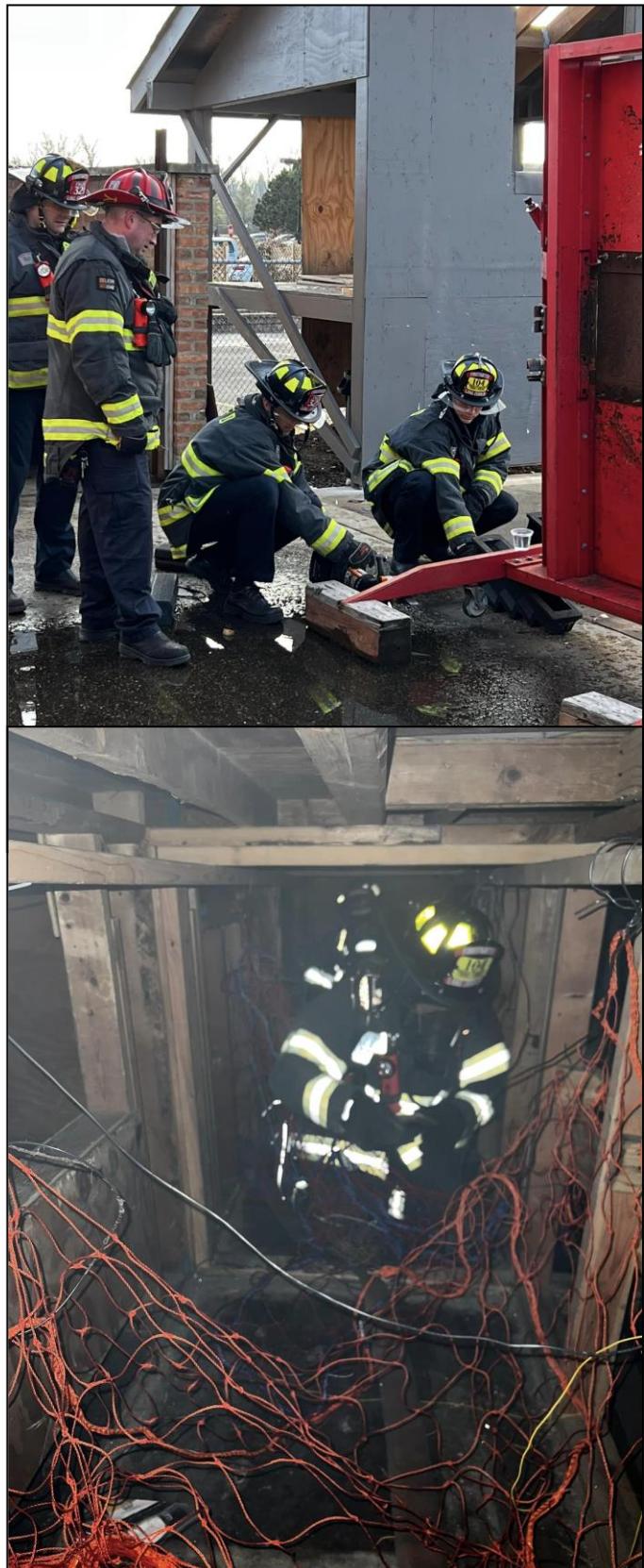
Lifting and Cribbing – Crews completed vehicle stabilization using lifting and cribbing techniques.

Lockout / Tagout – Crews completed IL-OSFM equipment lockout/tagout training.

Ropes and Knots – Crews completed a review of ropes and knots.

Rope Operations Pre-class – Crews completed a review of basic rope rescue information for the Rope Rescue certification class we are running in-house, starting in February.

Traffic Incident Management – Crews completed training on how to safely block traffic on the roadway during varying situations.



Company Needs – Company Officers evaluated their crew and based the training on the needs of their company. This included department SOG review and Daily Training Bulletin completion.

Weekly Equipment Review – On a weekly basis crews review department equipment and ensure they can operate is properly and effectively.

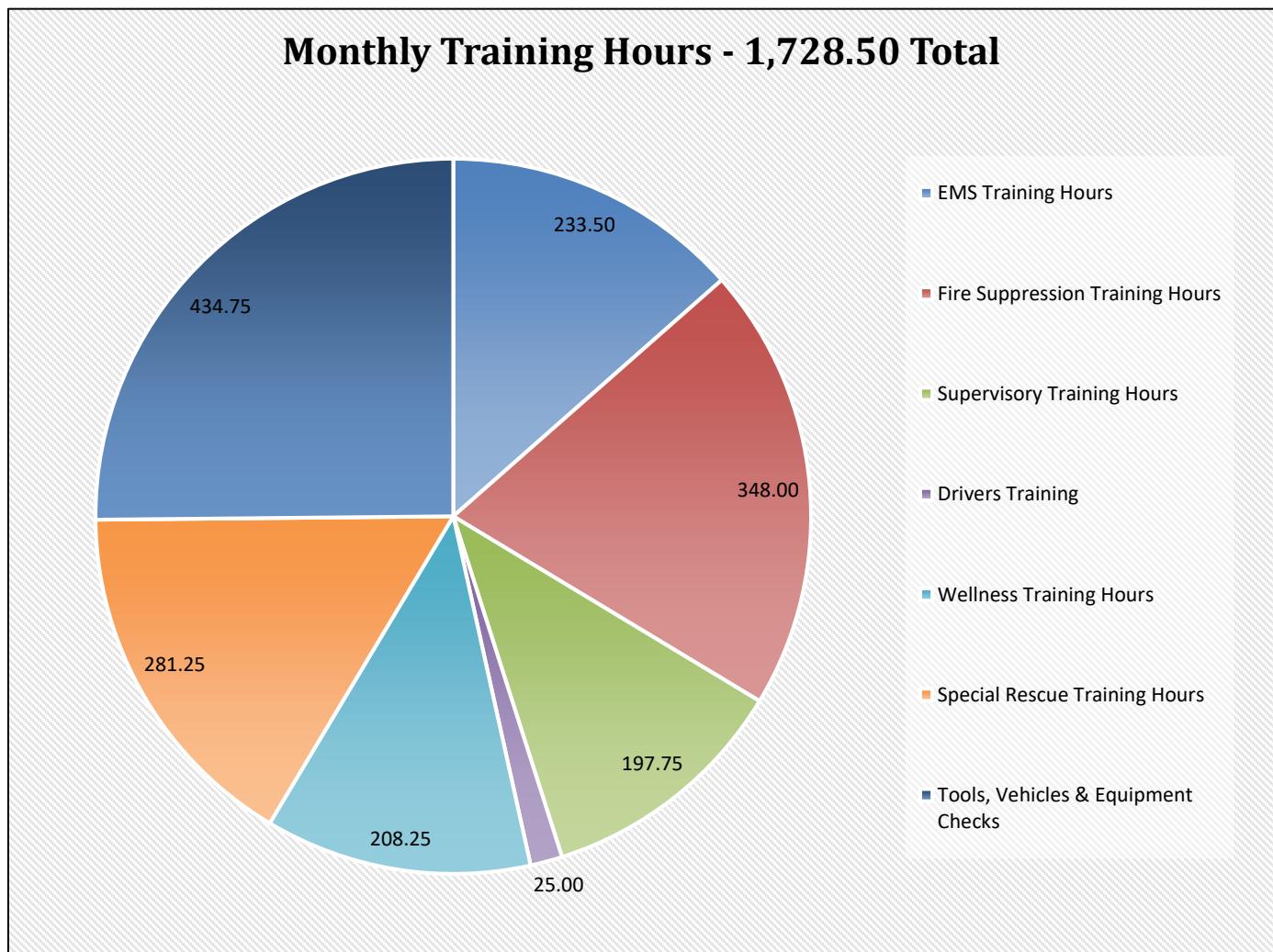
The following members attended outside training:

Deputy Chief Kelly completed the 8 hour NIMS G-191 class.

Captain Kammin attended the 8 hour Albert Schlick Memorial Symposium.

Firefighter/Paramedic Erb attending the 2 day IFSI Winter Fire College in Champaign.

Firefighter/Paramedic Bene completed the 4 hour NCH EMS Preceptor class.



FIRE PREVENTION BUREAU

The new ESO Fire Inspection Program was implemented in January 2023. The Fire Prevention Bureau committed their time and resources to mastering the new program, as well as ensuring the property inspection data transfer from the old software was all correct.

In January, the Fire Investigation Team investigated a total of two fires. The Fire Prevention Bureau received 7 FOIA requests which required a total of 6 hours to complete.

Construction meetings were held for several projects in the Industrial Park. In the month of January, the Fire Prevention Bureau addressed and followed up with numerous sprinkler and alarm issues.

JANUARY 2023 ACTIVITIES

- Public Education talk to seniors at the Deer Park Village
- Fire Investigation Training
- Assisted Echo with tracking down an underground water leak on their fire service line which was causing the fire pump to activate.
- Radio System testing at Life Time.
- Fire Investigation follow-up at Aircraft Propeller on Telser Road

