



FIRE DEPARTMENT

MONTHLY INFORMATION REPORT

February 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.

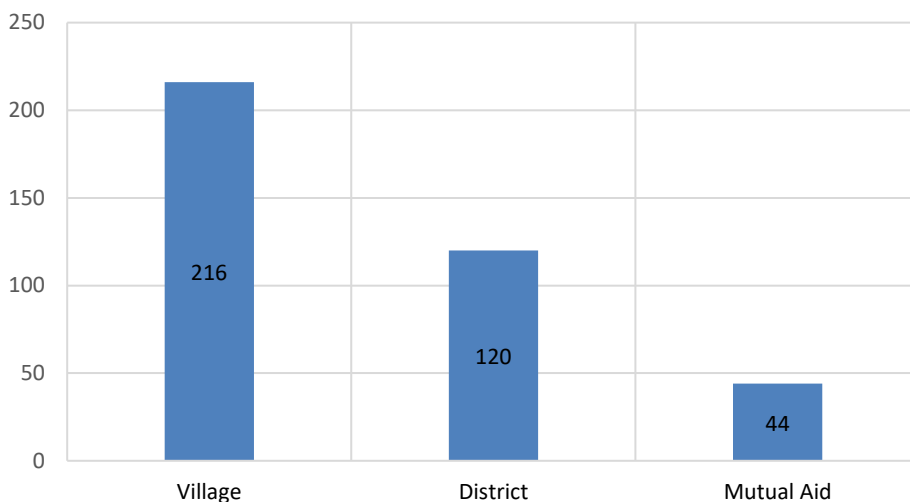
OUR VISION: The Lake Zurich Fire Department is dedicated to meeting the ever-changing needs of our community, while ensuring a safe and secure environment for all, through professional development, unity, and teamwork.

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

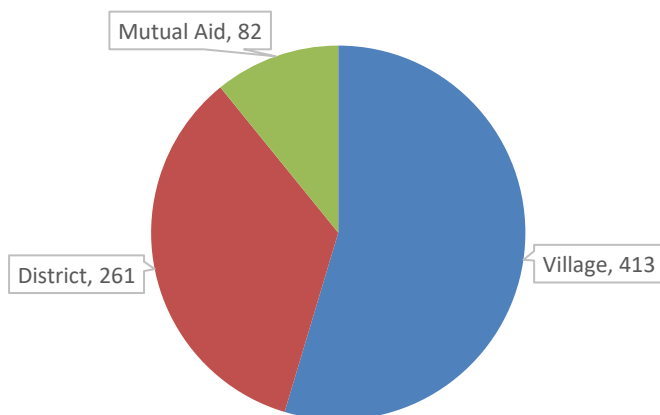
EXECUTIVE SUMMARY – FEBRUARY 2023

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.

February 2023 Incidents



Year-to-Date Incidents



Incident Data

In February, the Department responded to a total of **380 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 54% Village incidents, 35% District and 11% Mutual Aid.

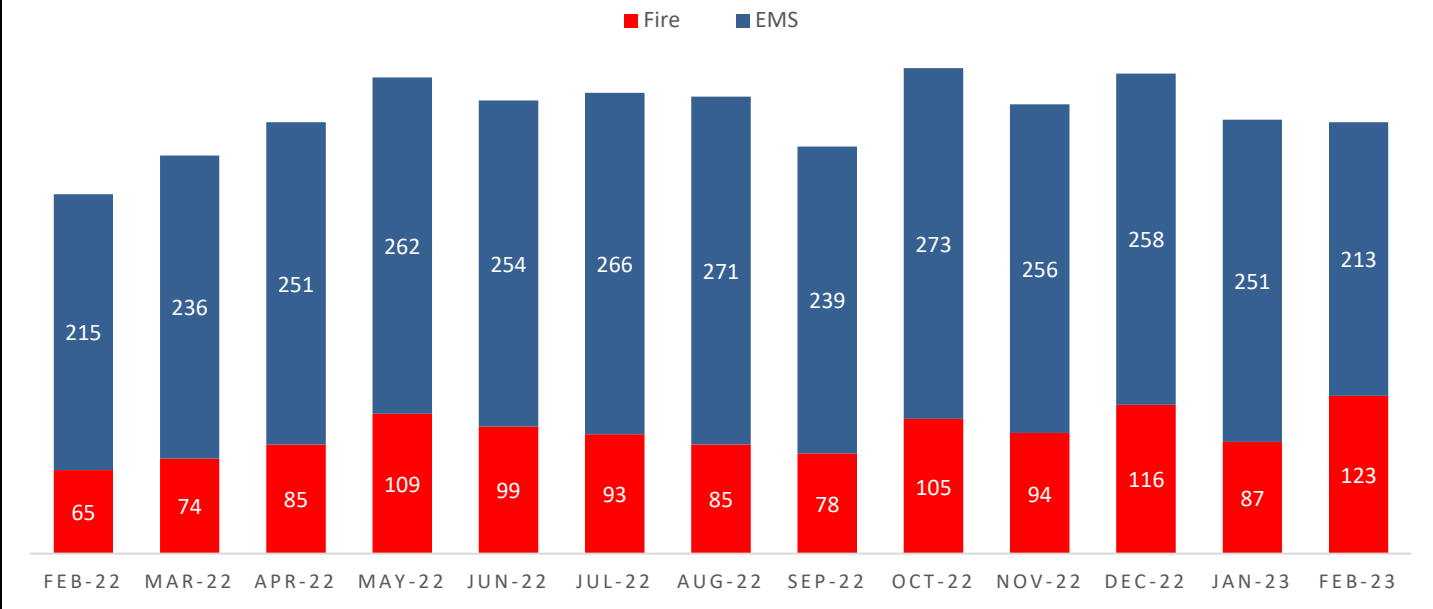
Total 2023 Incidents:
756

EMS vs. Fire Incidents

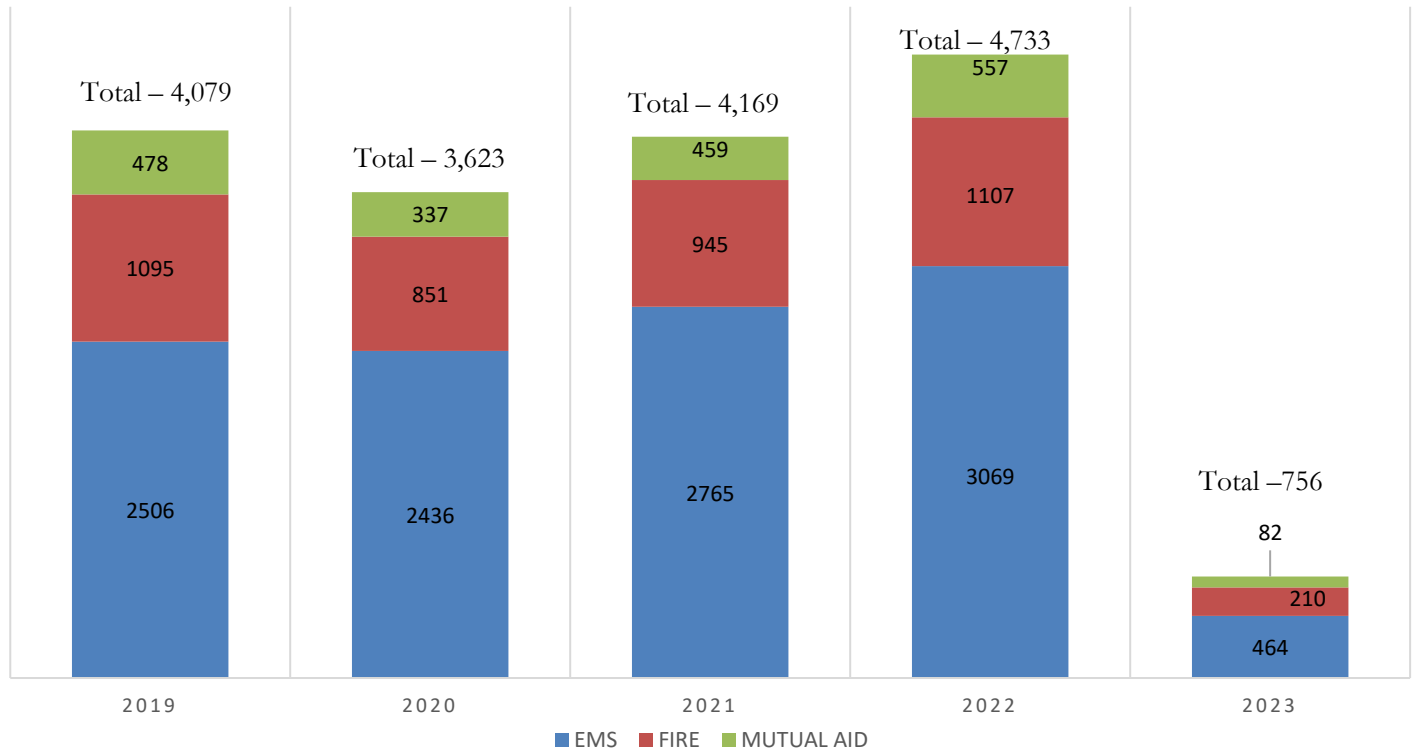
In February, 43% of all incidents were Fire and 57% of the incidents were EMS.



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



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



Response Model

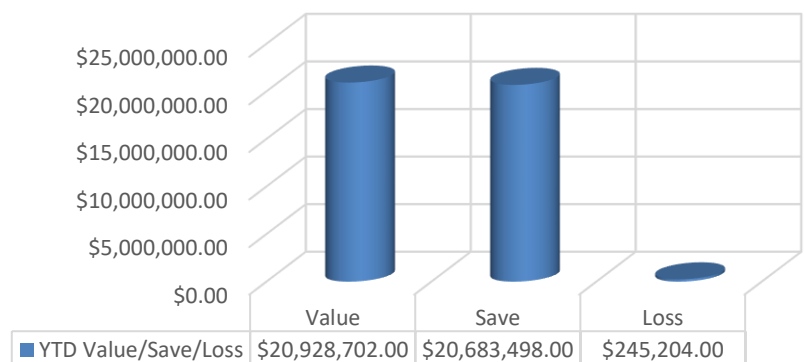
The Department staffs an engine and an ambulance with three personnel using a “jump company” at each of our 4 stations. Due to this response model, the Department is only structured to handle a single response per station. If the call is EMS related, the personnel respond with the ambulance. If the call 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 February, forty-two (42%) percent of the service area responses occurred while another call was in progress.

Fire Incidents

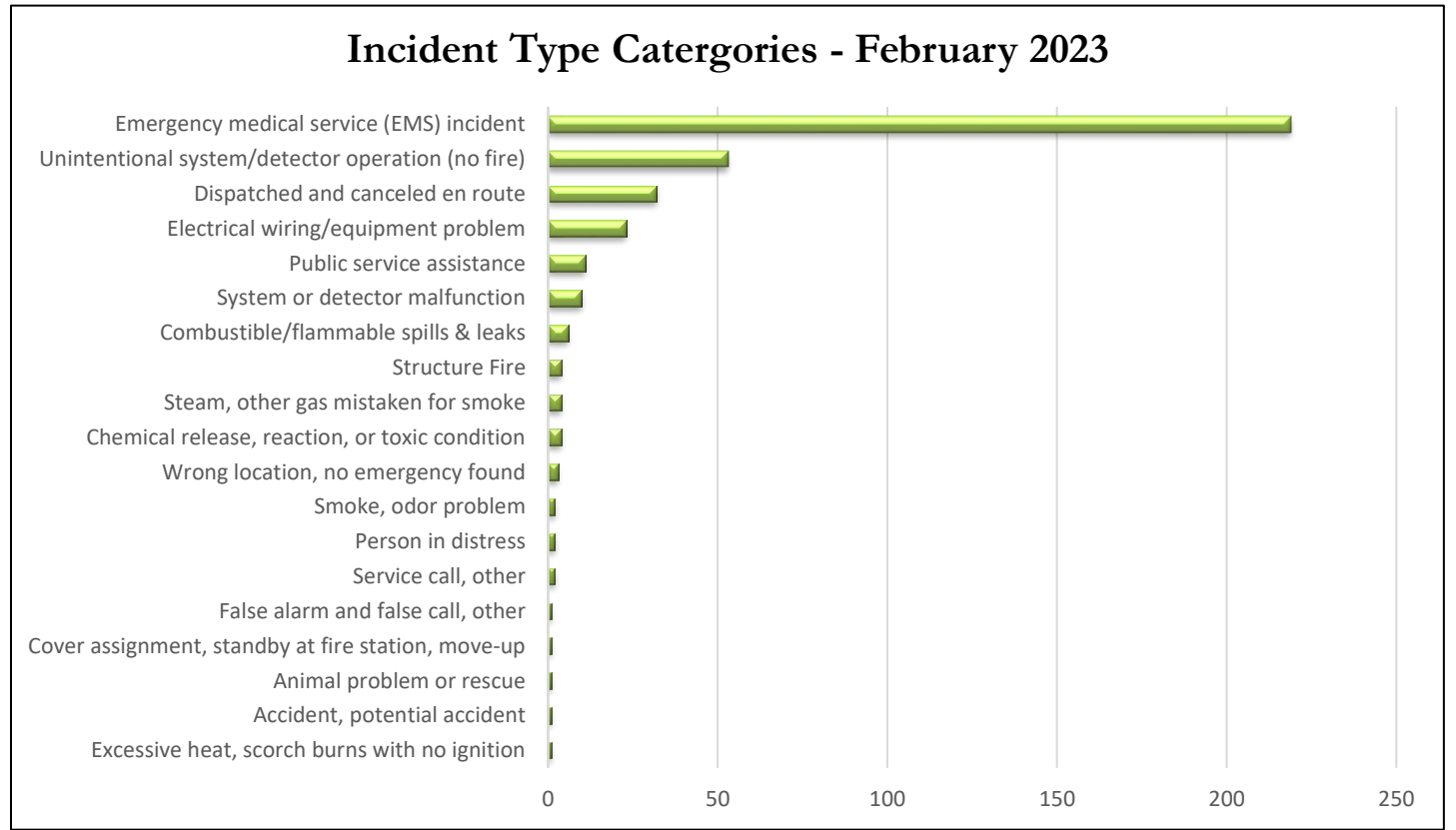
The Department’s Mission Statement is to care for and protect our community. Preserving property is included in that mission of protecting our community.

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

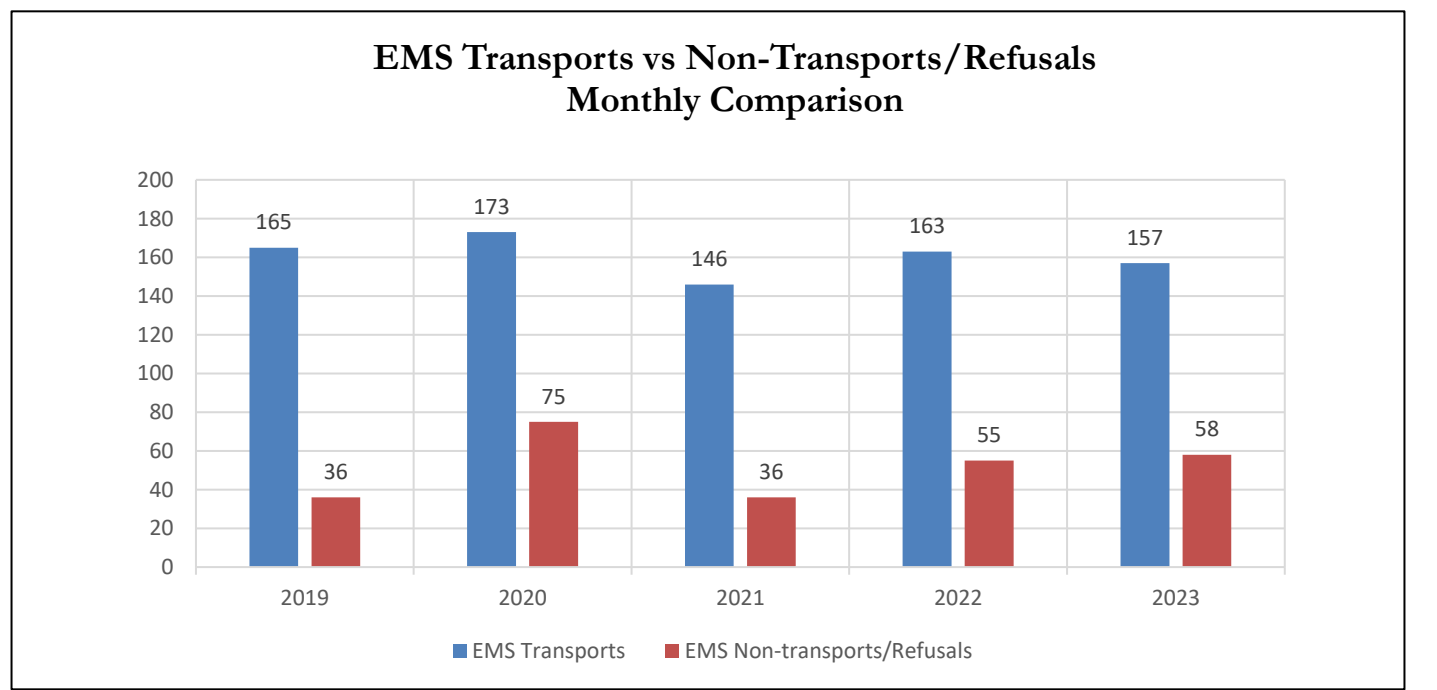


The Department codes all incidents within the National Fire Incident Reporting System (NFIRS). The codes all relate to the text categories noted in the chart below. Rescue and EMS incidents account for the majority of incidents we respond to.



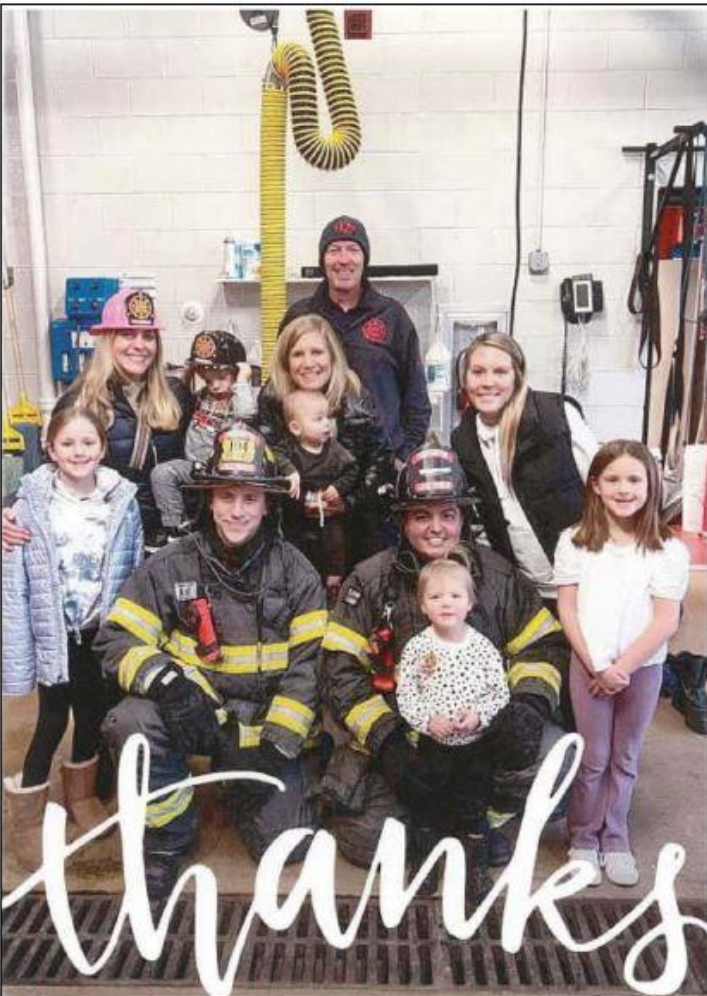
EMS Incidents

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 February across 5 years.



ADMINISTRATION DIVISION

Letters of Gratitude



Dear David & Station 1 Crew,

Thank You for a memorable and fun afternoon together! We had a Blast visiting your Station! You all were so compassionate and informative. We loved learning about your jobs and the important impact you make daily in keeping our community safe. Thank You for that! We had so much fun seeing your Fire Trucks and Ambulance too! Carter hasn't taken off his new "hat" and may be the next future fire fighter at your station! Thank You again for making a very Big impression on our kids little hearts.

Love,
Kinsley, Kendall, Carter, Aviana & Ashton
XOXO

P.S. We hope you enjoyed the rice crispy treats 🍪

*Michael Griffiths
Patrick Murray
Shaun Stapleton*

*On Jan 17th 2022 while at
Phoenix Salon I was taken ill
and these wonderful
Paramedics took me to MCH
They were so kind I just
want to thank them for their
kindness Also my best
to Patrick & his wife on
their expected baby girl
Sincerely a grateful
Aime Cecchi*



**The Itasca Fire Protection District &
The Itasca Professional
Firefighters Association**



520 W. Irving Park Road - Itasca, Illinois 60143

February 1, 2023

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

Chief Pilgard,

The Itasca Fire District and Local 3461 are so appreciative for all you and your department did last weekend for the wake and funeral of FF Frank Nunez. The help with logistics, notifying the CERT team and the Salvation Army along with a host of other projects you and your team took on for us far exceeded what we could have hoped for!! We also appreciated the use of your firehouse for the night to park our rig. This made the trip Saturday so much smoother.

The family was so moved by the troops saluting the motorcade on the way from Davenport to the church. It is so inspiring seeing the fire service come together to send one of our off with such honor. Although, thank you seems so insignificant, thank you!!

Jack Schneidwind
Fire Chief-Itasca Fire Protection District

Tim Kingsmill
President - IAFF Local 3461



Ph. 847-847-7207
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Boyl
Brian Ibbotson
8 Lagoon Drive
Hawthorn Woods, IL 60047

13 February, 2023

To: The Fire Chief

Dear Chief,

I had an incident at my home last Wednesday,
8th February.

I had a doctor's appointment at 10am in Glenview.
A good friend had stayed overnight and we had tickets
for a play at the Marriott in the afternoon. She wanted
to run to Costco while I was away.

She used my garage code to open the door then tripped
and fell. She called 911 and your guys were here in
minutes. I don't know their names but she said they
were wonderful to her and transported her to
Good Shepherd.

She has a cracked pelvis and was moved to
Encompass Rehab on Saturday.

It was an awful shock ^{for me} to come to aid she said
how professional your men were. (We are both nurses!)

Thank you for taking such good care of my friend.

Sincerely

Boyl Ibbotson

Personnel

Congratulations to Lieutenant Justin Brooks on his promotion and congratulations and welcome to the Department's newest hire, FF/PM Bryant Munoz! (Pictured below)



Community Relations / Public Education

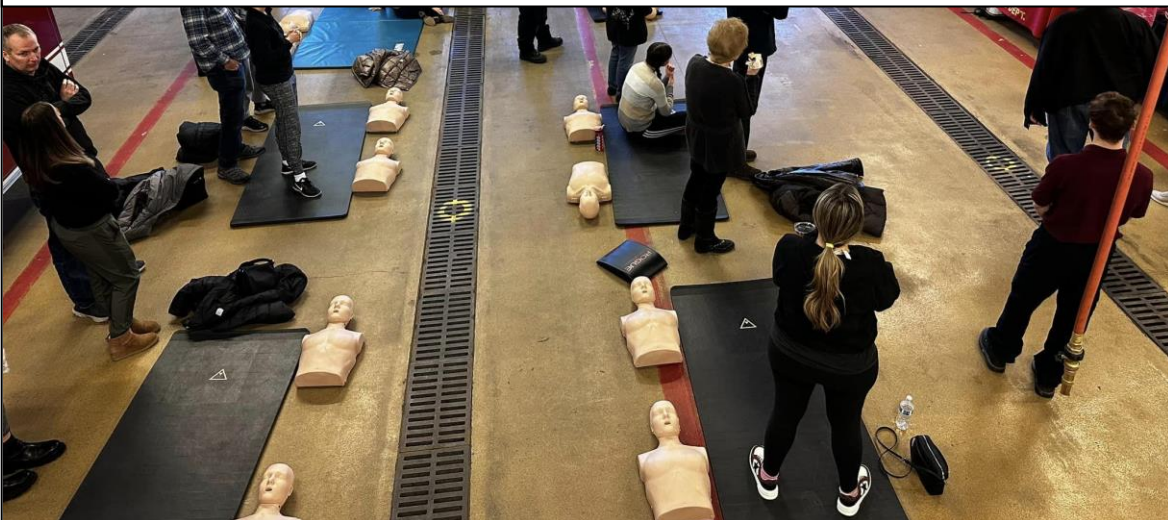
Community focus is an important aspect of the Department. This includes risk reduction through public education. Examples include but are not limited to; school & daycare visits and station tours where fire safety and a safety message, such as stop, drop, and roll is covered. We also monitor fire and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

On February 11, the Department hosted a "Hands-Only" CPR Event at our Station 1. The class was coordinated and inspired by a resident, Karen Degen, who is a sudden cardiac arrest survivor. *(Pictured below)*

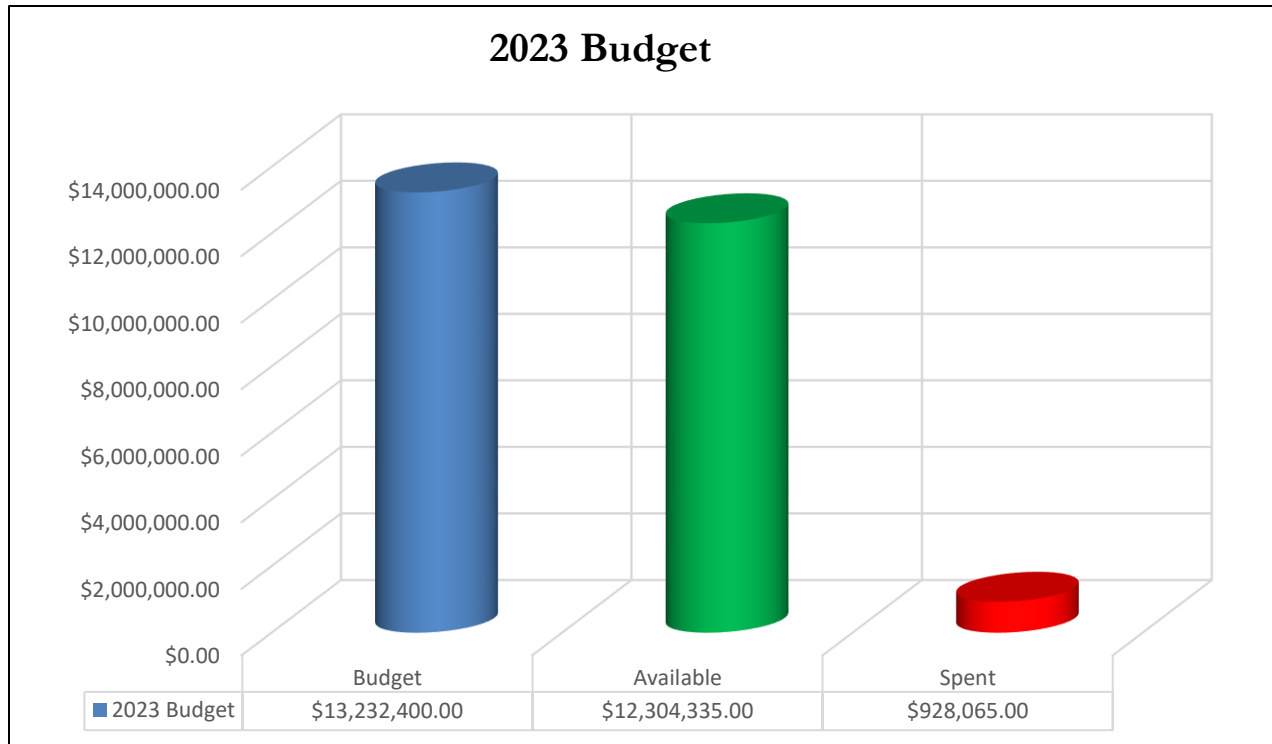


Dear LZF crew,
We are so incredibly grateful for the opportunity to work with all of you in the CPR class! The whole day was full of energy & joy. It was wonderful to have so many staff members there to give feedback to the attendees as they did their compressions & everyone

said "hands only" was not intimidating! mission accomplished... anyone can do CPR!
We felt so honored to be so welcomed by all of you. Thank you for giving up a Saturday to serve our community! We would love to do it again!
With gratitude, Karen, Scott, Henry & Gail

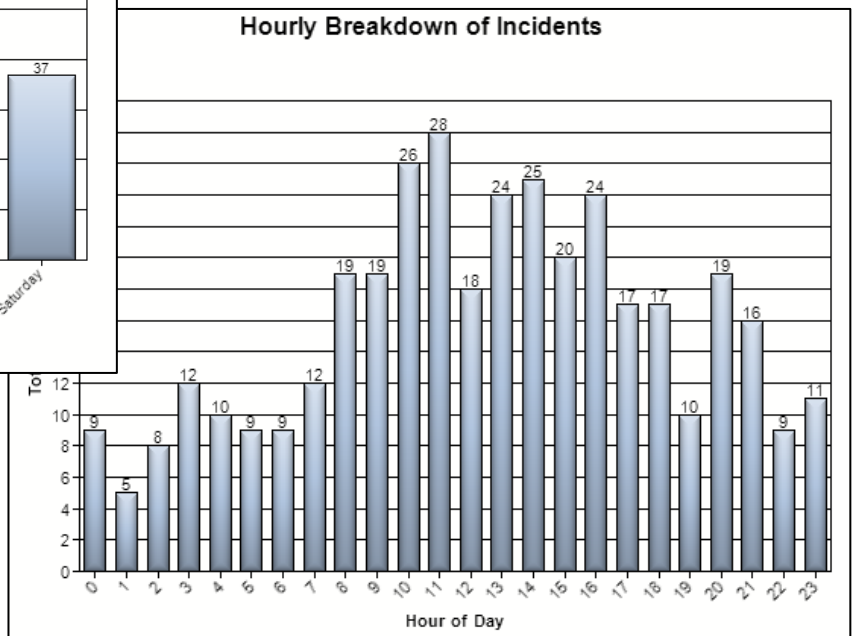
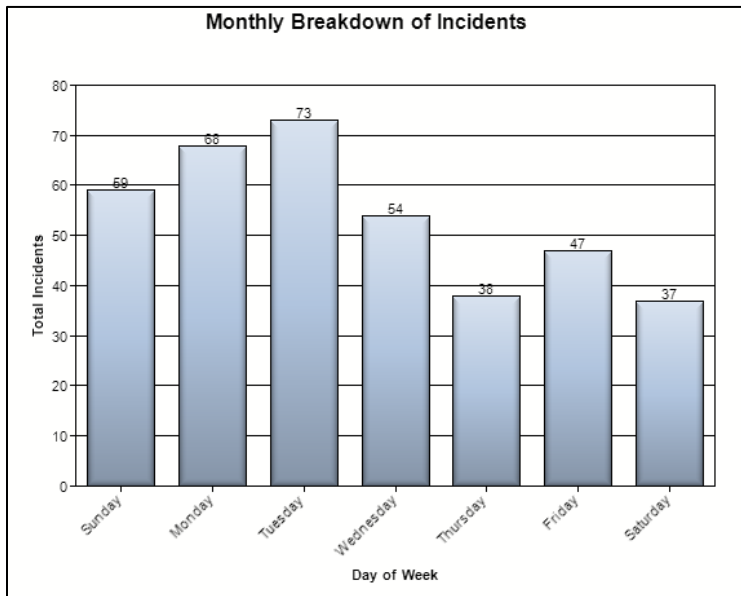


2023 Budget



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

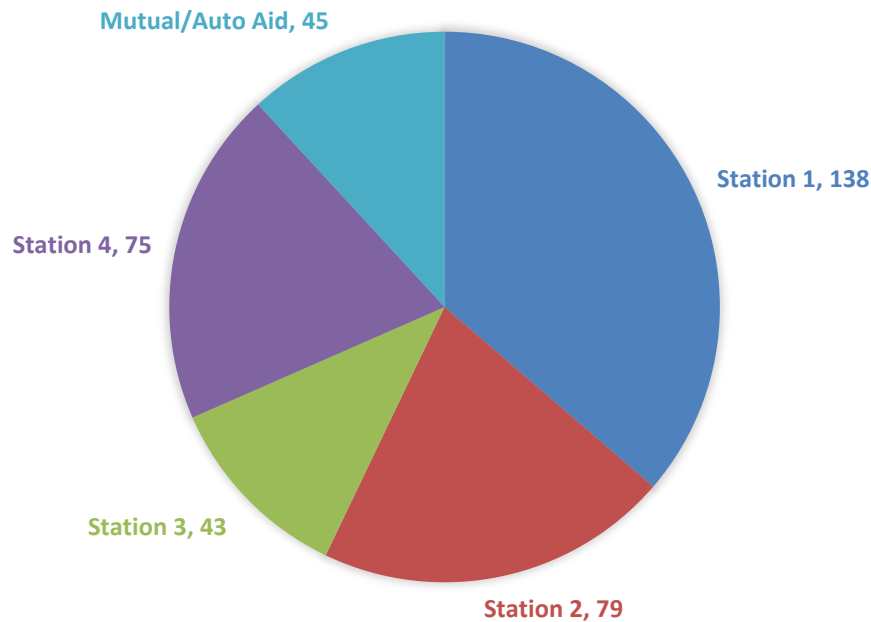
APPARATUS & STAFFING

ENGINE 324
AMBULANCE 324



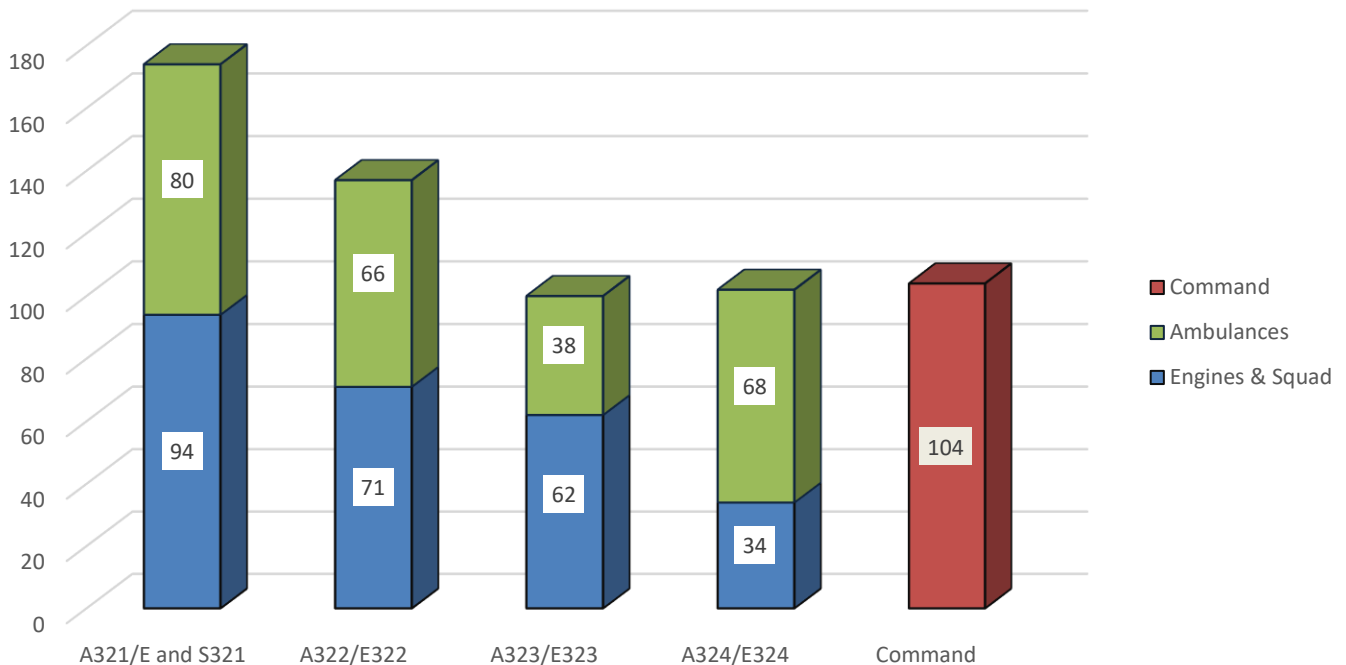
The graph below represents the number of incidents by each response area by station and mutual/auto aid for February 2023. The chart does **not** represent the station that responded.

ORIGIN OF INCIDENTS - FEBRUARY 2023

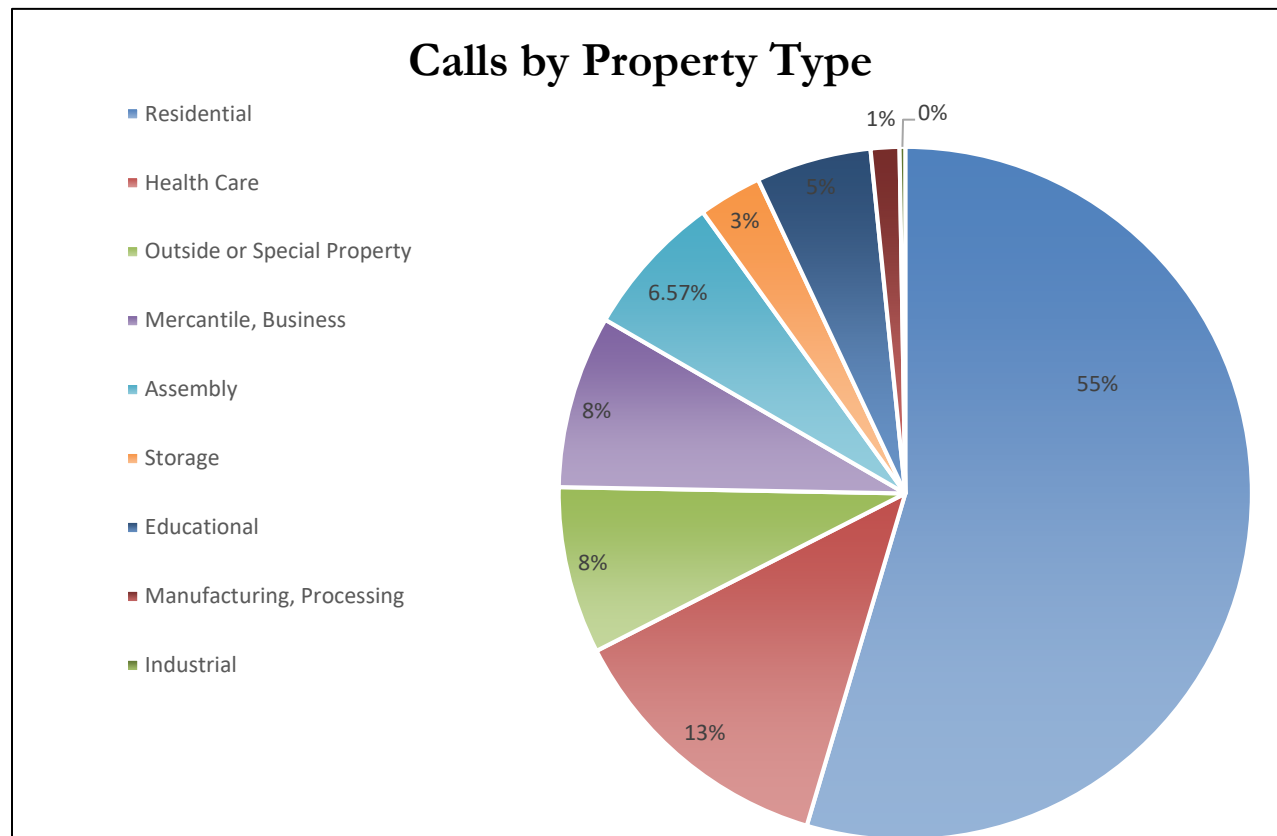


The graph below shows the number of responses by unit – Ambulances, Engines, and Command Officer – in February 2023.

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 (55%), and Health Care was second with (13%) of all calls.

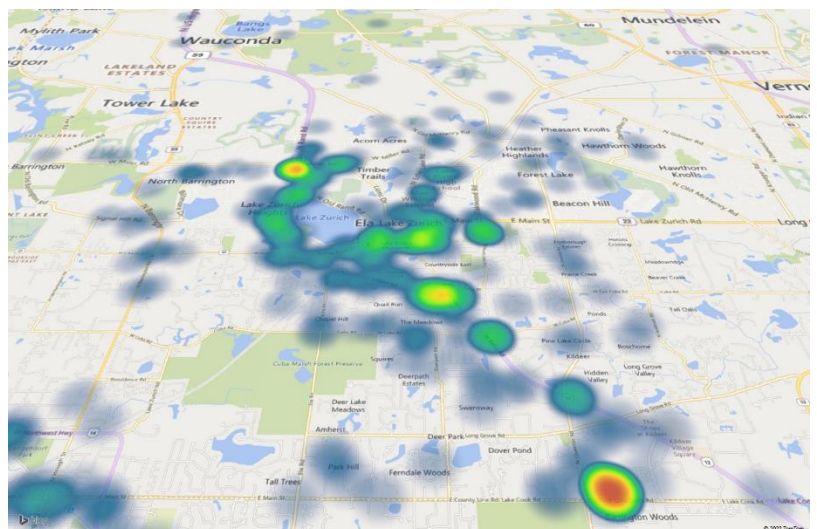


The following graphic is a visual representation of call distribution for February. As visually displayed, the assisted living/memory care facilities are a large portion of our department calls and are consistently within the top ten locations responded to each month. We frequently respond to doctor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

Frequent Call Locations:

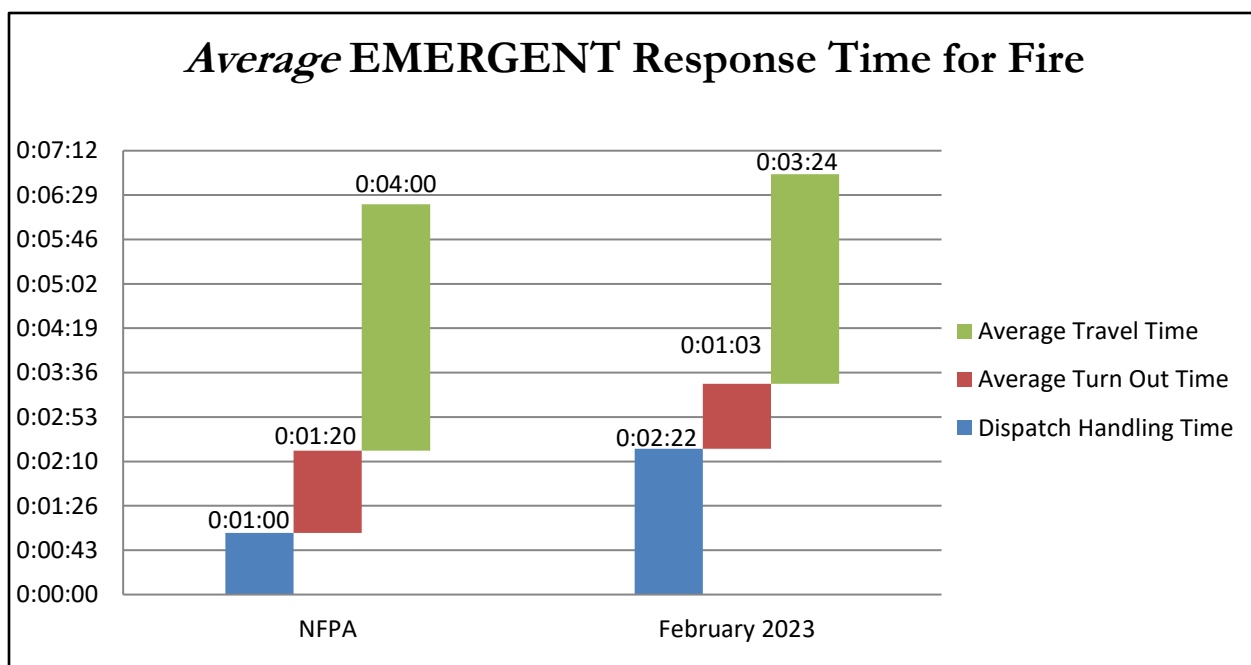
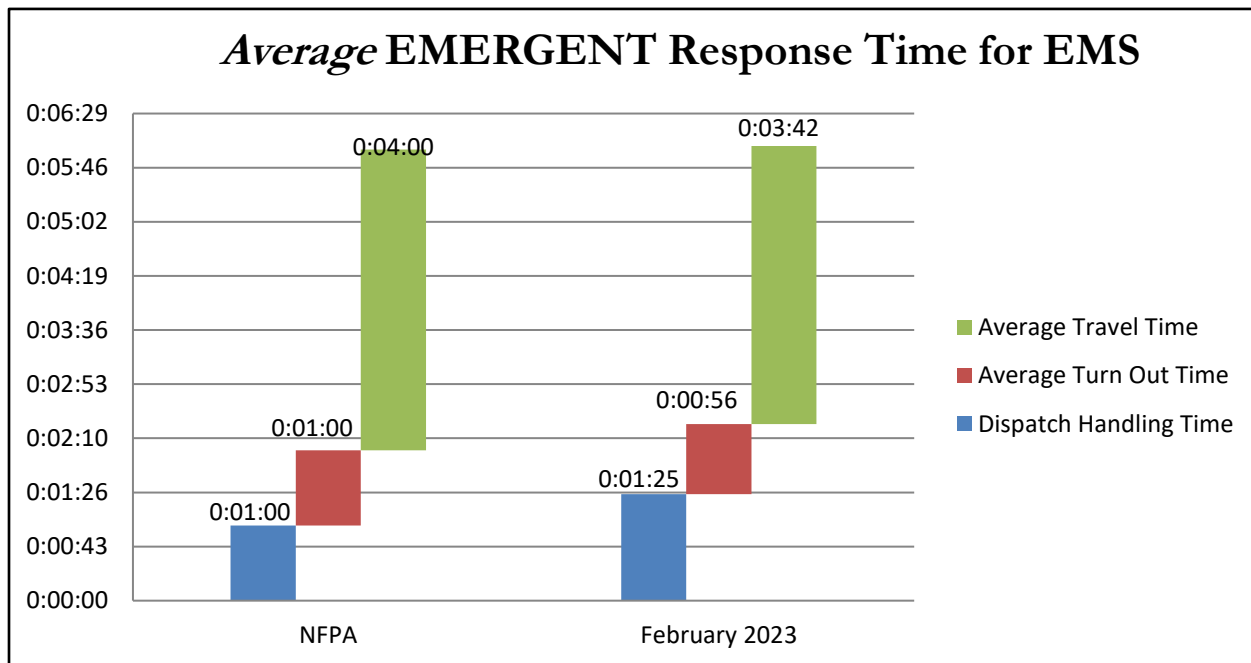
The below locations accounted for 17% of the call volume for February 2023.

- 795 N. Rand Road – Azpira Place of Lake Zurich – 16 responses
- 21840 Lake Cook Road – Deer Park Village Senior Living – 26 responses
- 900 S. Rand Road – Avantara Health Care Center of Lake Zurich – 12 responses
- 555 America Ct – The Auberge at Lake Zurich – 7 responses
- 250 Mohawk Trail – Zurich Meadows – 4 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 February, we completed the following shift training:

EMS Continued Education – Paramedics attended EMS CE covering EMS documentation requirements.

CPR Recertification – Department members completed annual CPR training.

EMS SOG Review – Paramedics reviewed multiple EMS SOG's during the month.

Electrical Emergencies – Crews training on handling routine electrical emergencies.

Emergency Response Guide – Crews reviewed using the ERG when on calls involving hazardous materials.

Command and Control – Crews training on updated command procedures.

Rope Rescue Operations – Crews completed module 1 – 3 of the Rope Rescue certification class we are running in-house

Consumption Drill – Members completed the annual SCBA consumption drill which lets them know how long they can work while using an SCBA.

Radio Scavenger Hunt – Crews completed training on how to use several different functions on our portable radios.

Pre-Plan Review – Crews reviewed several of the pre-plans we have for target hazards within our response area.

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

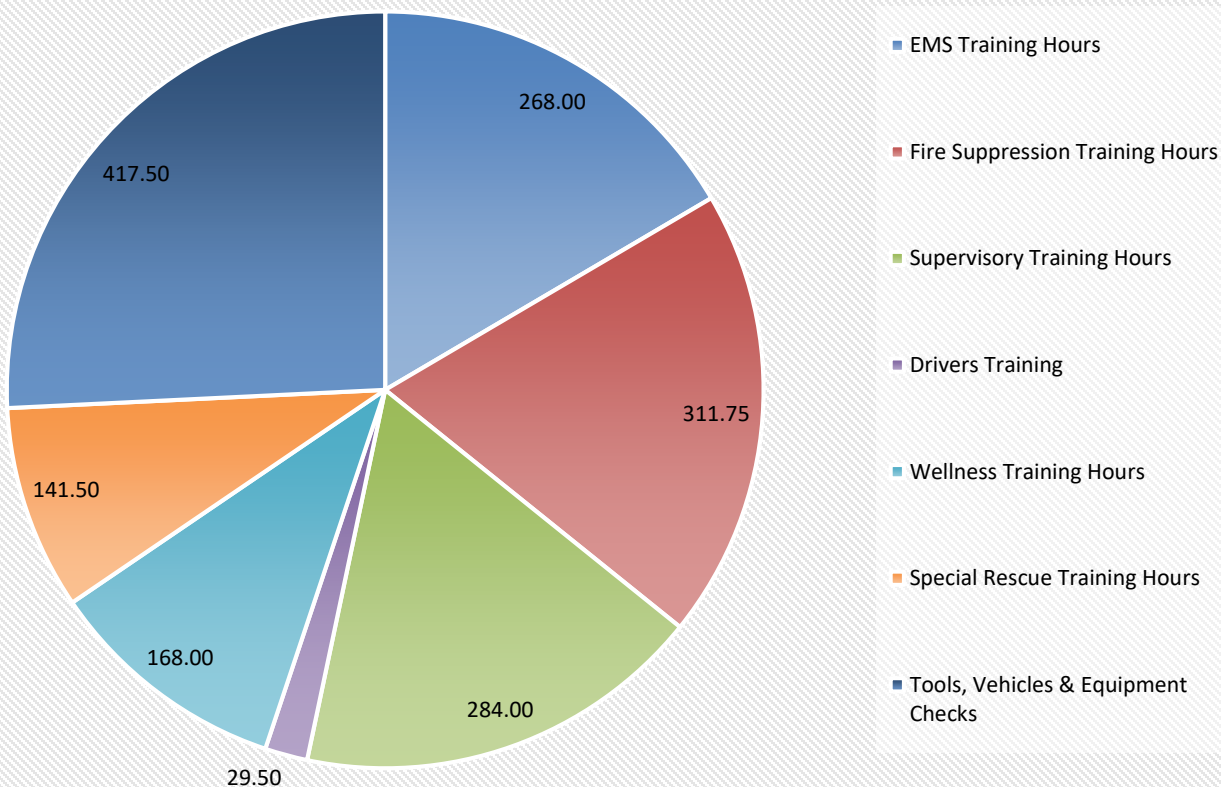
Weekly Equipment Review – On a weekly basis crews review department equipment and ensure they can operate is properly and effectively.

Probationary Program - Probationary members worked on completing Probationary Program.

The following members attended outside training:

FF/PM Glasder attended the 40 hour Rope Rescue Operations class through IFSI.

Monthly Training Hours - 1,620.25 Total



FIRE PREVENTION BUREAU

On February 22, The Fire Prevention Bureau was requested to assist with the ice storm. The Bureau assisted with responding to power line down incidents and numerous supervisory fire alarms during the event. The next morning, the Bureau followed up with customers on fire alarm and power issues throughout the Village of Lake Zurich and the District.

During the month of February, the Bureau received a FOIA request for sprinkler system permits and contractor sprinkler/fire pump inspections for all of the Village of Lake Zurich from the past 90 days. This request required 4 hours to complete.

FEBRUARY 2023 ACTIVITIES

- Construction Meetings:
 - Costco Fire Alarm Replacement
 - New Tenant Kildeer Village Square
 - Sanctuary with owner Ref Gates
 - District 95 Sara Adams

- DRT Meeting Building Department
- Deer Park Town Center – Buildouts
- Crumble Cookies
- Station 52
- Propane filling station May Whitney
- NIFIA Board Meeting
- NIFIA Member Meeting & Training
- Strike Force Investigator Training

Fire Prevention Activities Year-To-Date - 2023

