



FIRE DEPARTMENT

MONTHLY INFORMATION REPORT

February 2024

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

70 E. MAIN STREET
LAKE ZURICH, IL 60047

Departmental Narrative

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.

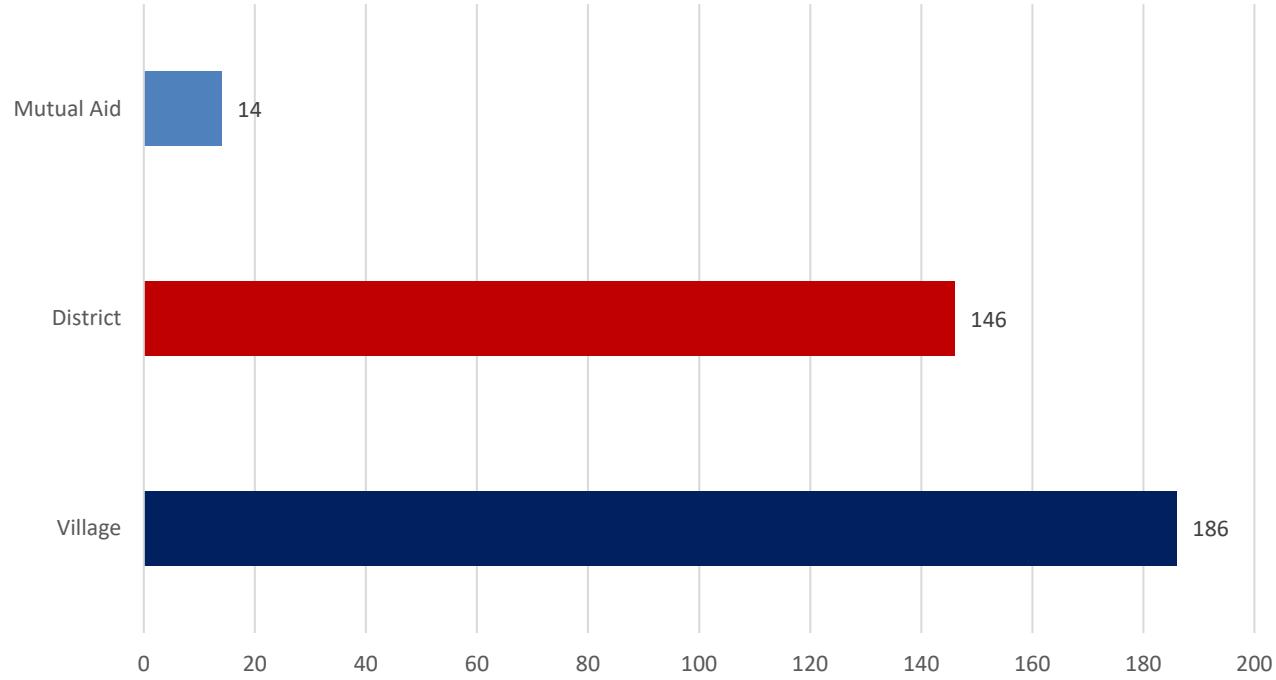
OUR VALUES: Professionalism, Responsibility, Integrity, Dedication, Honor

EXECUTIVE SUMMARY – February 2024

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.

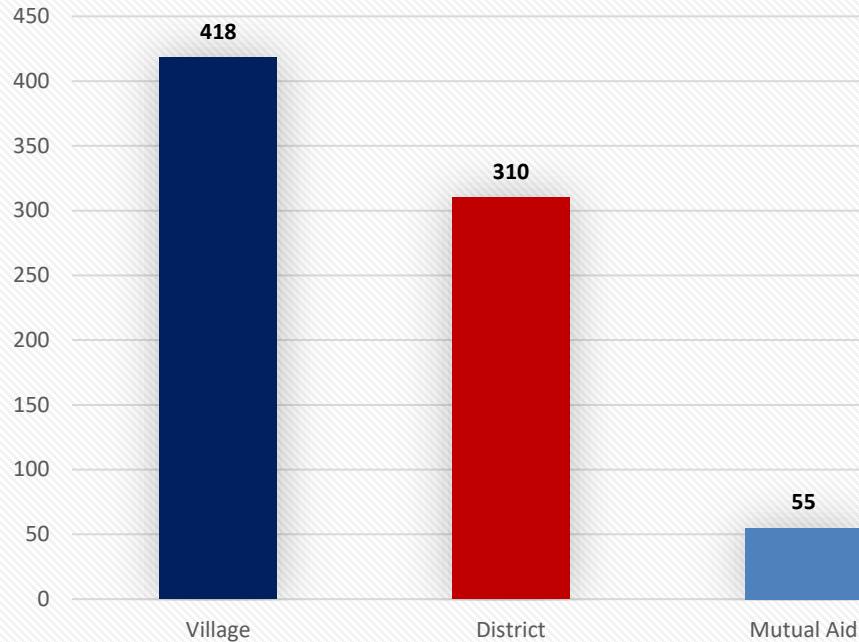
346 Incidents – February 2024

Responses - February 2024



783 Incidents – Year to Date

Responses - Year-to-Date 2024



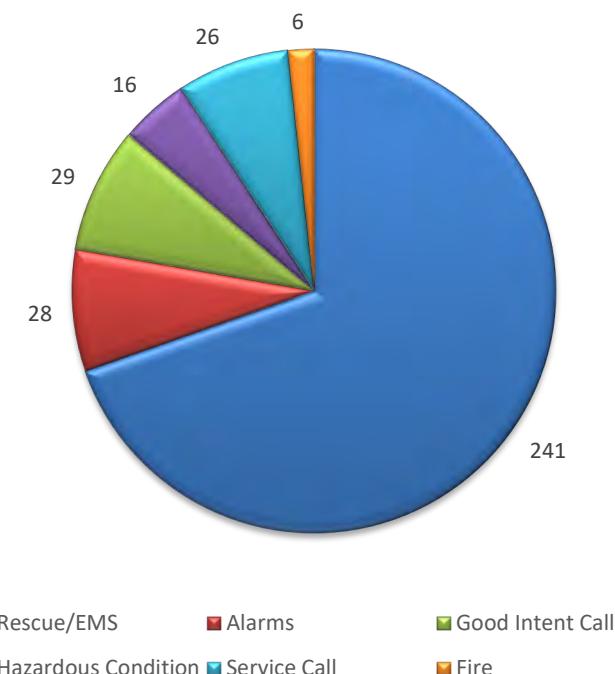
Incident Types

The Department codes all incidents within the National Fire Incident Reporting System (NFIRS).

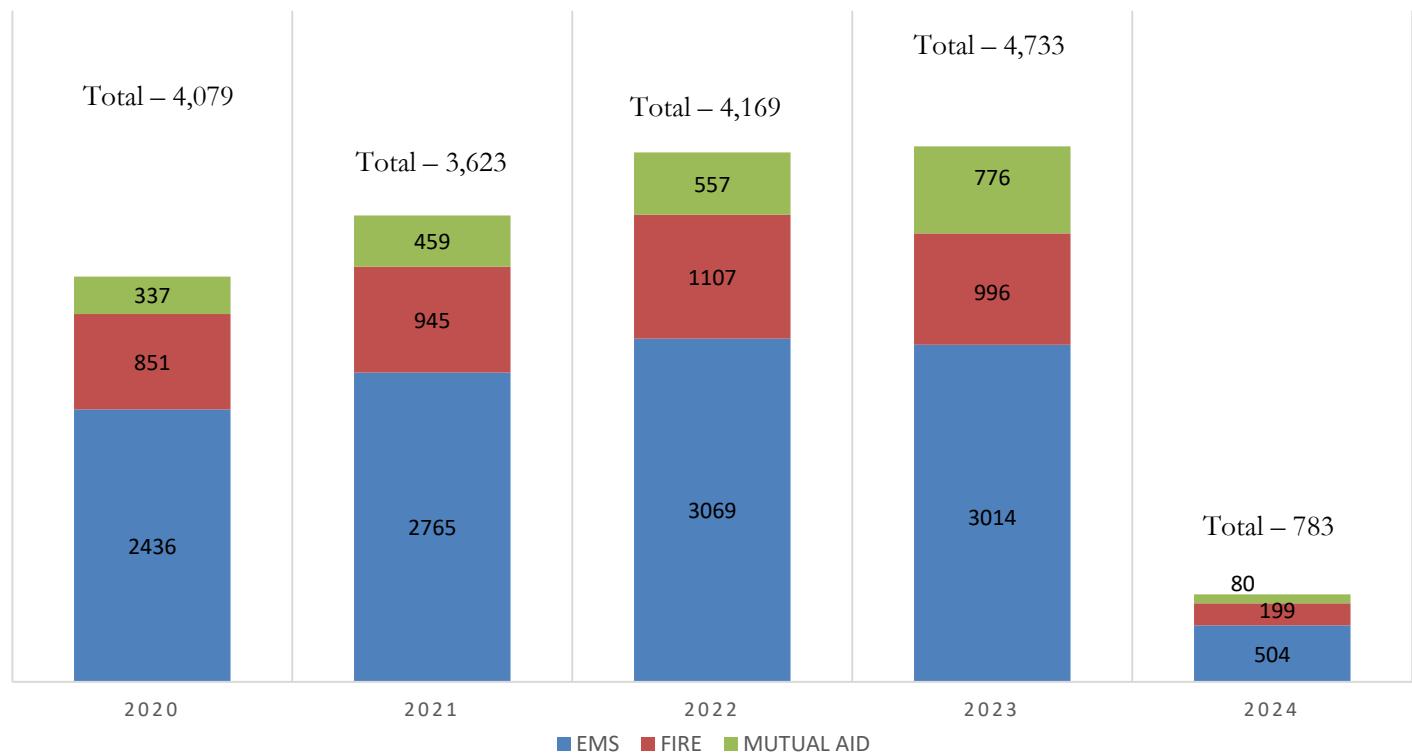
The codes all relate to the text categories noted in the chart to the right. Rescue and EMS incidents account for the majority of incidents we respond to.

In February, **346** incidents were Rescue and EMS incidents.

Incident Types - February 2024



EMS/FIRE/MUTUAL AID YEAR-TO-DATE



Fire Incidents (Year-to-Date)

WORKING FIRES

Total Count for 2024

11

INCIDENTS WITH PROPERTY VALUE CHANGE

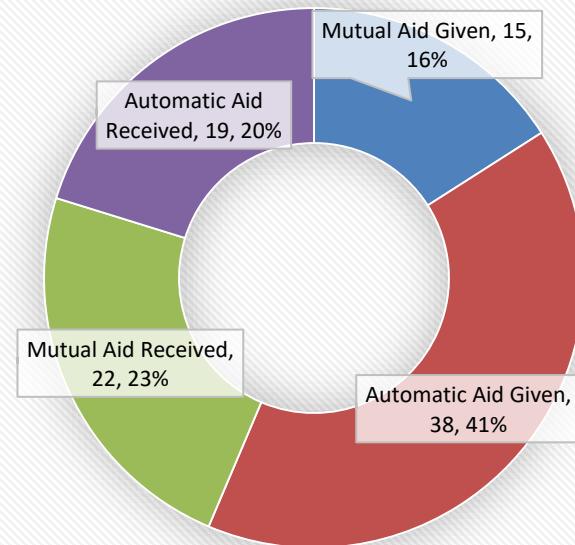
Count of Incidents with Property Loss – 2024

5

Percent of Property Value Saved

95.16%

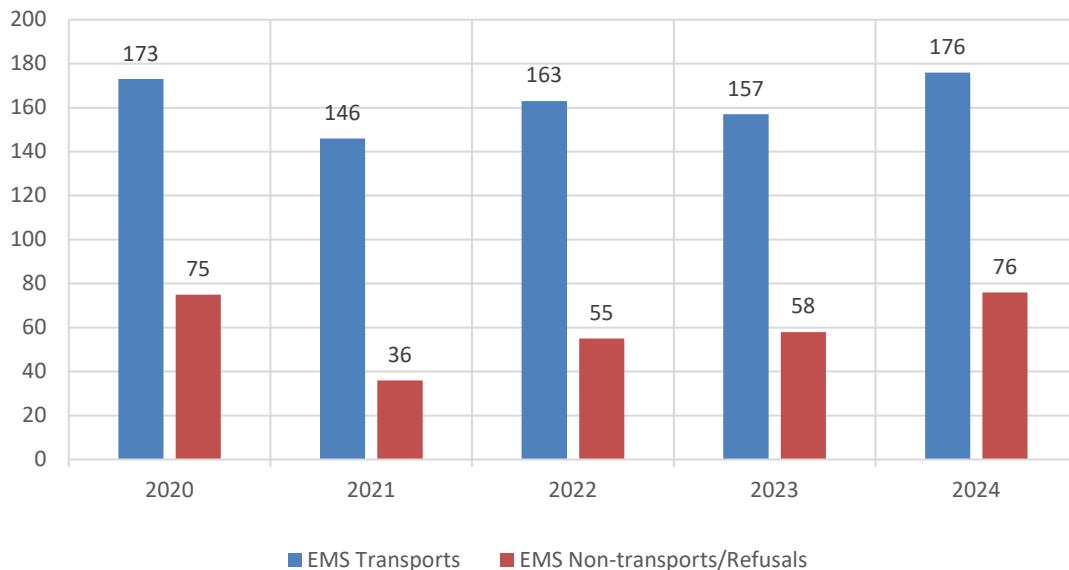
Mutual Aid - Year-to-Date 2024

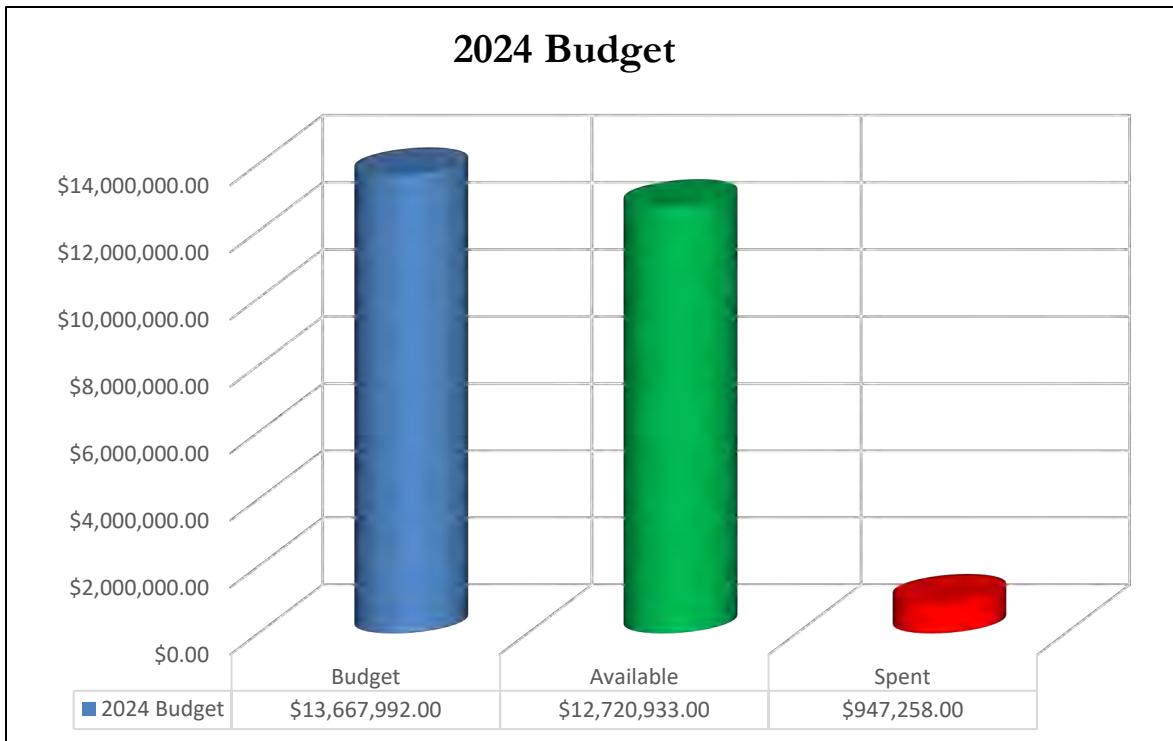


EMS Incidents

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 below compares the month of February across 5 years.

**EMS Transports vs Non-Transports/Refusals
Monthly Comparison**





On February 26, all four ambulances received new Stryker Power-Pro 2 ambulance cots, marking the completion of phase one in our new equipment agreement with Stryker. These upgraded stretchers bring several safety enhancements compared to their predecessors. Key features include a redesigned foot section that extends and retracts an extra three inches, which will allow for navigation through tighter quarters. The new transport handle also allows for patient movement at a lower, safer height. A new integrated lighting system and reflectors will provide additional visibility during nighttime operations. Bumper detection technology will minimize the risk of cot damage and potential injuries to both paramedics and patients during patient loading and unloading. The stretchers are also equipped with an integrated steering and wheel lock system, coupled with an upgraded hydraulics system capable of safely lifting up to 700 lbs. This delivery marks the initial phase of our comprehensive equipment upgrade plan with Stryker, with two additional phases for Lucas CPR devices and updated LifePak cardiac monitors planned for delivery shortly. These advancements underscore our continued commitment to enhance patient care and safety. *(Pictured right)*



ADMINISTRATION DIVISION

STATIONS & STAFFING | OFFICER & FIREFIGHTER/PARAMEDIC

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

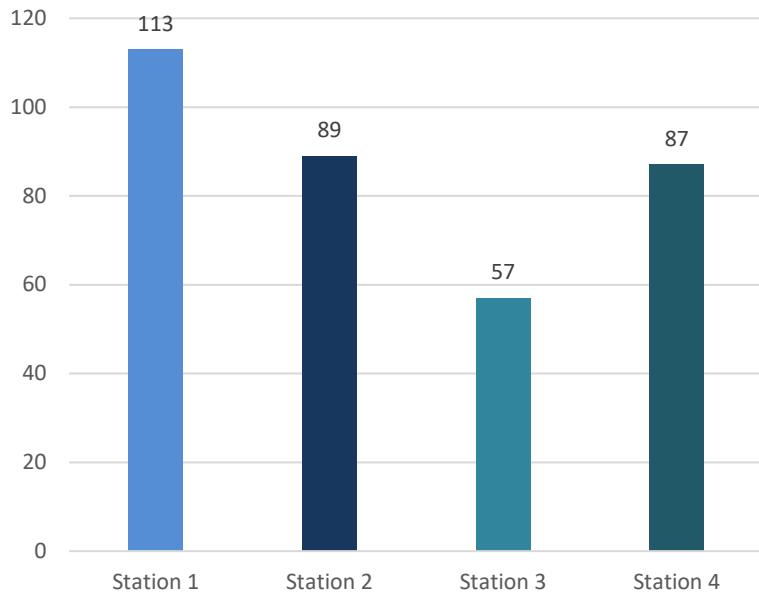
ENGINE 324

AMBULANCE 324

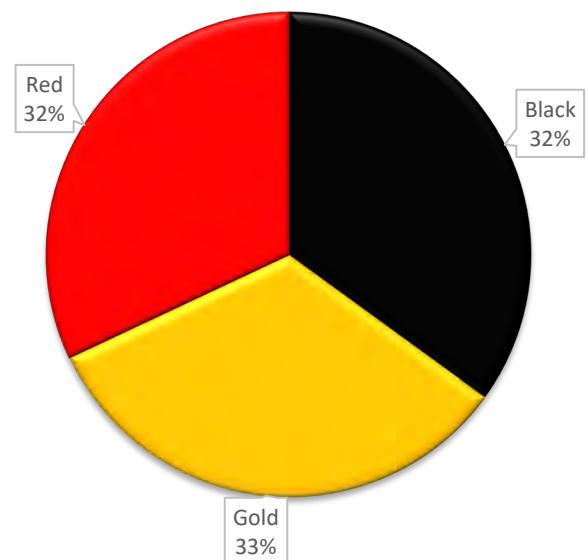


OPERATIONS DIVISION

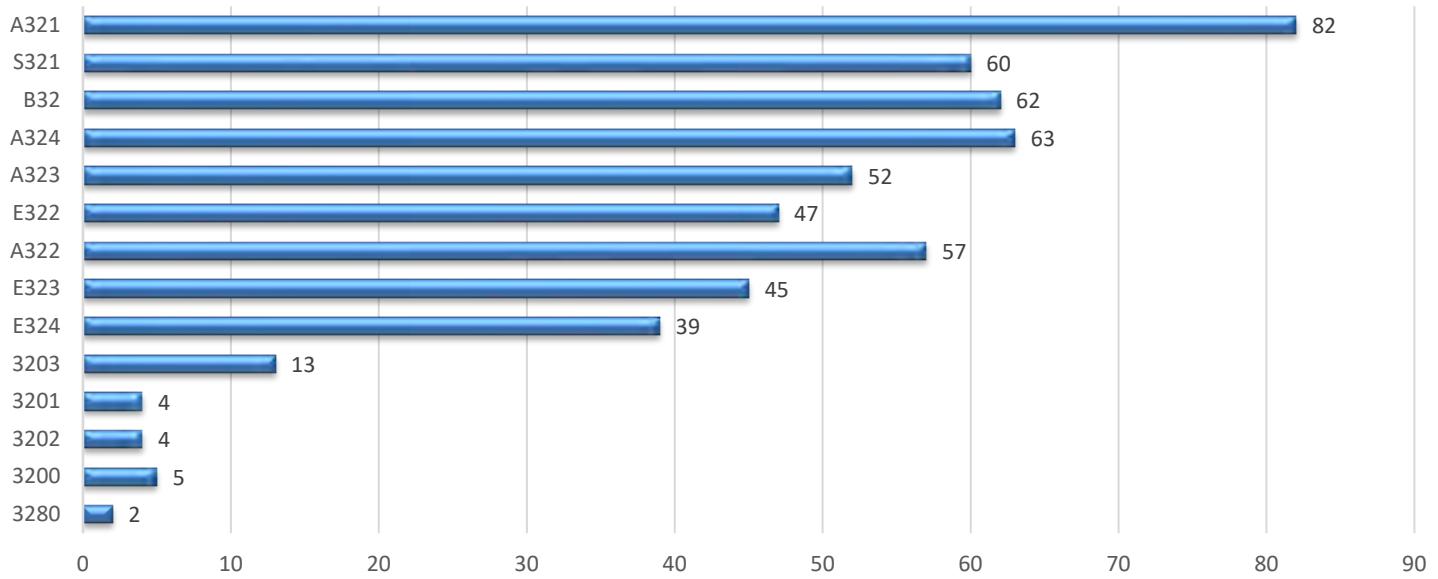
Incident Count by Station



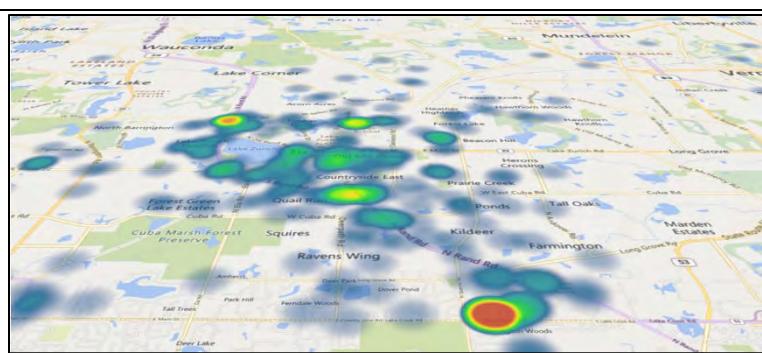
Incident Percentage by Shift



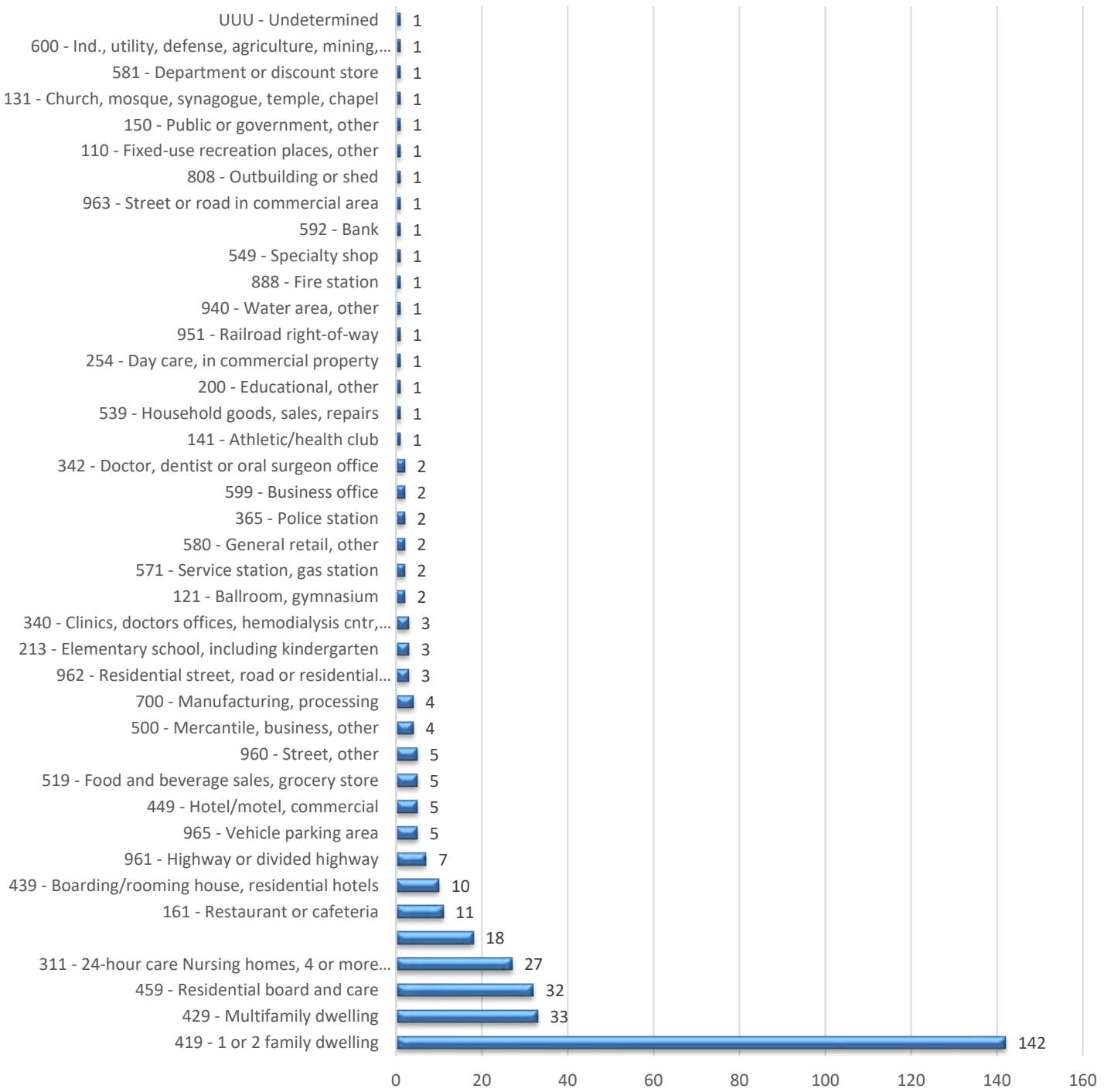
Incident Count by Unit



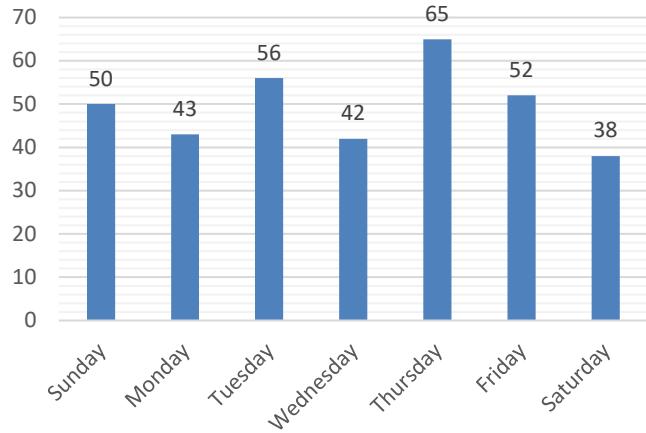
Response Locations The graphic to the right is a visual representation of call distribution for February. As visually displayed, the assisted living/memory care facilities are a large portion of our department calls and are consistently within the top locations responded to each month. We frequently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



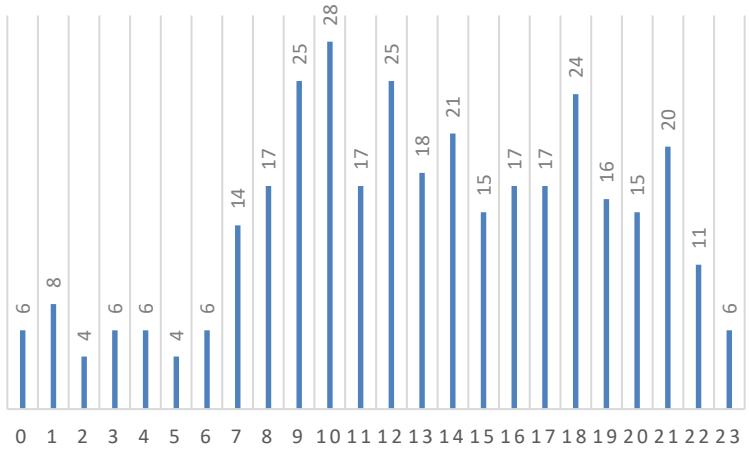
Incidents by Property Type - February 2024



DAY OF WEEK BREAKDOWN



HOURLY BREAKDOWN OF INCIDENTS



Response Times

Response time includes three key factors: **dispatch handling, turnout, and travel time**.

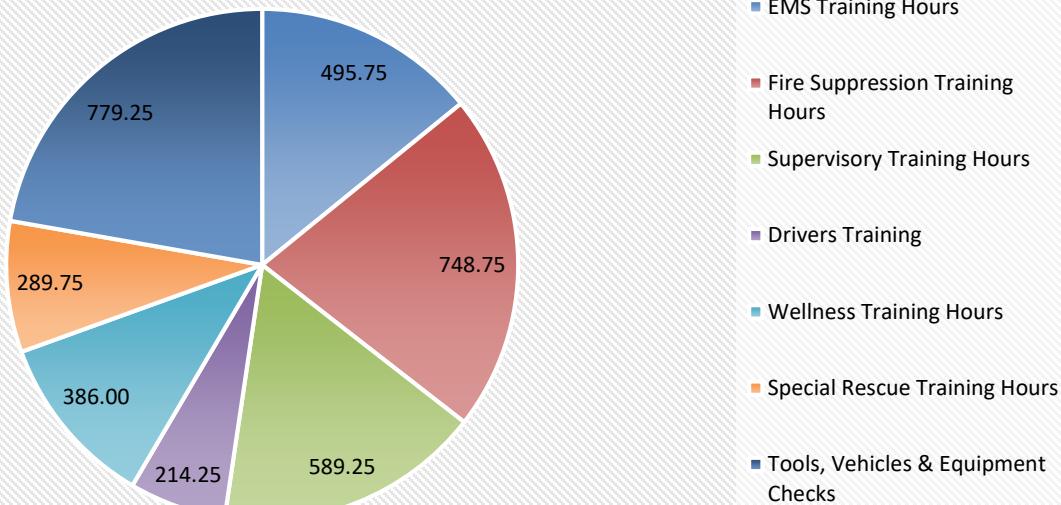
Dispatch handling time is when dispatch takes in information and then dispatch personnel. The turnout time is when the crews receive the call to the time they get into the vehicles and hit the enroute button. Travel time reflects the time from en route to when they arrive at the incident scene. Construction, 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 shows the average times for all emergent/non-emergent incidents, with arrival on scene for EMS, Fire, and Mutual Aid in February 2024.

Dispatch Time	Turnout Time
Average Dispatch Time 1 MINUTE, 29 SECONDS	Average Turnout Time MINUTE, 58 SECONDS
Travel Time	Response Time
Average Travel Time 3 MINUTES, 59 SECONDS	Average Response Time 6 MINUTES, 26 SECONDS

TRAINING DIVISION

Monthly Training Hours - 1,956.50 Total



Fire Training:

- Brush Truck Inservice
- Deploying the Cross-lay – Minuteman Deployment
- Pre-Plan Reviews
- Basement Fires
- Setting up the Grip Hoist for Lithium Ion Fires
- Firefighter Rescue Survey- The First 3000
- Thermal Imaging and Fire Behavior
- PPE – Turnout Gear Inspections
- Preplan Review and District Familiarization

EMS Training:

- NWCH Continuing Education- Cardiac Arrest
- Mandated Reporter
- Advanced Airway Video Training
- New Stryker Cot – In-Service
- School Bus Incidents – NWCH Policy Review
- Annual CPR Recertification
- Firefighter CPR- Saving Our Own

Special Team Training:

- Haz Mat – Emergency Response Guide – Annual Training
- RAE/GX6000/Sensit Gas Monitor Review
- TRT – MABAS County Level Training

- Haz Mat – County Level Training
- NiCor – Responding to Gas Emergencies

Health and Safety Training:

- Weekly Group Functional Fitness – To serve and protect
- Daily Fitness
- Work-Life Balance
- Should Health

Administrative Training:

- Professional Development
- NIMS 100C- Update
- Officer development
- Navigating Vector Solutions – How to Record and Monitor Training

Outside Training:

FIRE PREVENTION BUREAU

Annual Fire Inspections:

The Fire Prevention Bureau conducted **17** Annual Property Inspections in February.

Additional Inspections and Follow Ups:

2/1/2024 – Fire Alarm System Follow Up at 20530 N. Rand Road Building 300 FACP Room – (System Normal Upon Inspection).

2/1/2024 – Fire Alarm System Follow Up at 31 Arcadia Lane Meadow Wood – (System Normal Upon Inspection).

2/1/2024 – Fire Alarm System Follow Up at Cedar Lake Assisted Living - 777 Church Street - (System Normal Upon Inspection).

2/2/2024 – Knox Box at 737 S. Rand Road – Life Storage – (Key for sprinkler room “Zone 711” provided – New lock handle installed).

2/2/2024 – Fire Alarm System Follow Up at 21925 Field Parkway, Building F - (System Normal Upon Inspection).

2/2/2024 – Fire Alarm System Follow Up at - Cedar Lake Assisted Living 777 Church St, Lake Zurich - (System Normal Upon Inspection).

2/5/2024 - Fire Alarm System Follow Up at – Sarah Adams 555 Old Mill Grove - (Annunciator panel not communicating with main panel. Essco was on scene and repaired the system. System is now Normal).

2/5/2024 - Fire Alarm System Follow Up at – Meadowood 31 Arcadia Lane - (System Normal Upon Inspection).

2/5/2024 – Knox Box at Deer Park Theatre (Tamper Switch Repair – Assurant Fire Protection)

2/5/2024 – Knox Box at 20505 N. Rand Road Five Below – Contact: John, Fox Valley Fire - (Tamper Switch Repair)

2/5/2024 – Follow up with Janet Sweno (Home Depot) regarding the FACP/Sprinkler Room door – No handle/ lock on the door – (This issue has been brought to Building Services, Janet will keep the FPB informed).

2/6/2024 – Water flow for 20506 N. Rand Road – Ancho Agave Restaurant Buildout. (Passed).

2/6/2024 – Knox Box at 21599 W. Field Court – Met on site with Carly (Property Manager) checked all keys and fobs at each building, all are operational and current. Found one faulty tamper switch at 21601. International scheduled for repair.

2/7/2024 – Fire Alarm System Follow Up at 900 S. Rand Road - Avantara – (System Normal Upon Inspection).

2/7/2024 – Fire Alarm System Follow Up at 473 S. Route 12 – Village Square – (System Normal Upon Inspection).

2/8/2024 – Fire Alarm System Follow Up at Lake Zurich Senior High School (Greg Fleming was contacted)

2/8/2024 – Fire Alarm System Follow Up at Avantara Lake Zurich 900 S Rand Rd - (System was cleared and normal upon inspection).

2/8/2024 – Fire Alarm System Follow Up at TRJ Office & Warehouse 590 Telser Rd - (Could not gain access to the sprinkler room. Appears that lock was changed. Notified management. A second follow up is required).

2/8/2024 – Fire Alarm System Follow Up at Concord Village Bldg. 45 Mews 229 Rosehall - (System was cleared and normal upon inspection).

2/12/2024 - Fire Alarm System Follow Up at 635 Oakwood Kerry Convenience - (System was cleared and normal upon inspection).

2/12/2024 - Fire Alarm System Follow Up at 315 Surryse - (Lyle Erstad was contacted and service has been scheduled).

2/12/2024 - Fire Alarm System Follow Up at 680 S. Rand Road - (Manager was contacted and service has been scheduled).

2/12/2024 – Knox Box at 590 Telser Road – (Sprinkler Room key was provided and placed inside knox box)

2/13/2024 – Fire Alarm System Follow Up at 21660 W. Lake Cook Road Hampton Inn – Multiple faults for batteries and missing points for pool area pull station – (International made a service call, parts are on order).

2/15/2024 – Fire Alarm System Follow Up at 945 Telser Rd - Bish Creative Display Inc. - (System was cleared and normal upon inspection).

2/15/2024 – Fire Alarm System Follow Up at 635 Oakwood - Kerry Convenience - (System was cleared and normal upon inspection).

2/15/2024 – Fire Alarm System Follow Up at 953 S. Rand Road General Building - (System was cleared and normal upon inspection).

2/15/2024 – Sprinkler System Alarm Follow Up at 1325 Ensell – Factor 75 - (System was being serviced, Normal Upon Inspection).

2/16/2024 – Fire Alarm System Follow Up at 21925 Field Parkway - (System was cleared and normal upon inspection).

2/16/2024 – Fire Alarm System Follow Up at 635 Oakwood - Kerry Convenience - (System was cleared and normal upon inspection).

2/16/2024 – Fire Alarm System Follow Up at 567 N. Rand Road – Lake Zurich Shops - (System was cleared and normal upon inspection).

2/20/2024 - Fire Alarm System Follow Up at Holiday Inn Express - (Pool room is scheduled for laser detector installation on March 5th).

2/20/2024 – Fire Alarm System Follow Up at 148 Tyler Court Willow Ponds - (No Sprinkler Room Key inside knox box. Management has been contacted and advised to provide a key and also schedule for fire alarm system repairs).

2/20/2024 – Sprinkler Room Door Issue & Housekeeping at Beelows Restaurant Follow Up Consultation – (Met with restaurant manager to explain the deficiencies found during incident. Advised keeping FACP and electrical panels free of obstructions. Sprinkler Room door is now working).

2/20/2024 – Well-being check with Captain Santoyo at 795 N. Rand Road for the fire incident follow up.

2/22/2024 – Fire Alarm System Follow Up at 148 Tyler Court – (System remains in trouble, repairs have been scheduled).

2/22/2024 – Fire Alarm System Follow Up at 101 Arcadia Lane – Lake Zurich Shops - (System is being repaired by International. Parts are on back order).

2/22/2024 – Fire Alarm System Follow Up at 567 N Rand Road – Lake Zurich Shops - (System was cleared and normal upon inspection).

2/22/2024 – Knox Box – Met on site with Mark from International Fire Equipment at 21601 Deer Park Crossing for knox box tamper switch repair.

2/22/2024 – Met on site with Esscoe Technician at 20271 Kildeer - Pump Room for the Jockey Pump Replacement. System back online in full service.

2/26/2024 – Fire Alarm System Follow Up at Lifetime Fitness 400 N Rand Road - (System was cleared and normal upon inspection).

2/26/2024 – Fire Alarm System Follow Up at Meadow Wood Sprinkler Room - 101 Arcadia Lane (System was cleared and normal upon inspection).

2/26/2024 – Knox Box – Sprinkler Room Key at 148 Tyler Court Provided by Property Manager and placed inside knox box.

2/28/2024 – Fire Alarm Activation Follow Up at 21660 Field Parkway – (FCPS) Field Charger Power Supply deficiency with the fire alarm system. Service has been scheduled. Out for trouble alarms. A second follow up is required.

2/28/2024 – Smoke Investigation Inside the Building Follow Up at 20281 N. Rand Road – (Faulty RTU detector #9 that did not activate an alarm. Property Manager has been advised and has scheduled for service. A second follow up is Required).

2/29/2024 - Fire Alarm System Follow Up at 20413 N Rand Road, building 2 – (System was cleared and normal upon inspection).

- **6 Final Occupancy Inspections**
- **2 New Sprinkler Systems/Hydro**
- **2 New Fire Alarm**
- **33 Follow-ups**
- **7 Knox Box**
- **1 Hood**
- **1 Re-Inspections**

Meetings and Other Activities:

2/1/2024 – Meeting with Fidelity Wes Builder regarding the Casa Bella Development at Station One.

2/9/2024 – Meeting with Chief Pilgard and DC Christopherson regarding the Fire Prevention Bureau.

2/16/2024 – Meeting with LZHS Staff Regarding 2nd Floor & Culinary Remodeling Proposal for LZHS.

2/19/2024 – Holiday

2/23/2024 – Onsite Walk-Through with Eric Lee of Echo, 400 Oakwood Road - Upcoming Project Review.

2/27/2024 – On site Pre-Demo Inspection at 668 S. Rand Road.

Fire Incidents/Investigations:

2/6/2024 – Structure Fire Investigation at 3 Tara Court – The fire cause appears to be electrical in nature. Most damage to the rear exterior of the home along with moderate interior damage. (Fire Investigators: John Wiecek & Mike DeValle).

2/9/2024 – Structure Fire Investigation Follow up with Homeowner and Insurance Investigator at 3 Tara Court.



Plan Reviews: The FPB completed **14** Plan Reviews taking **17** plan review hours.