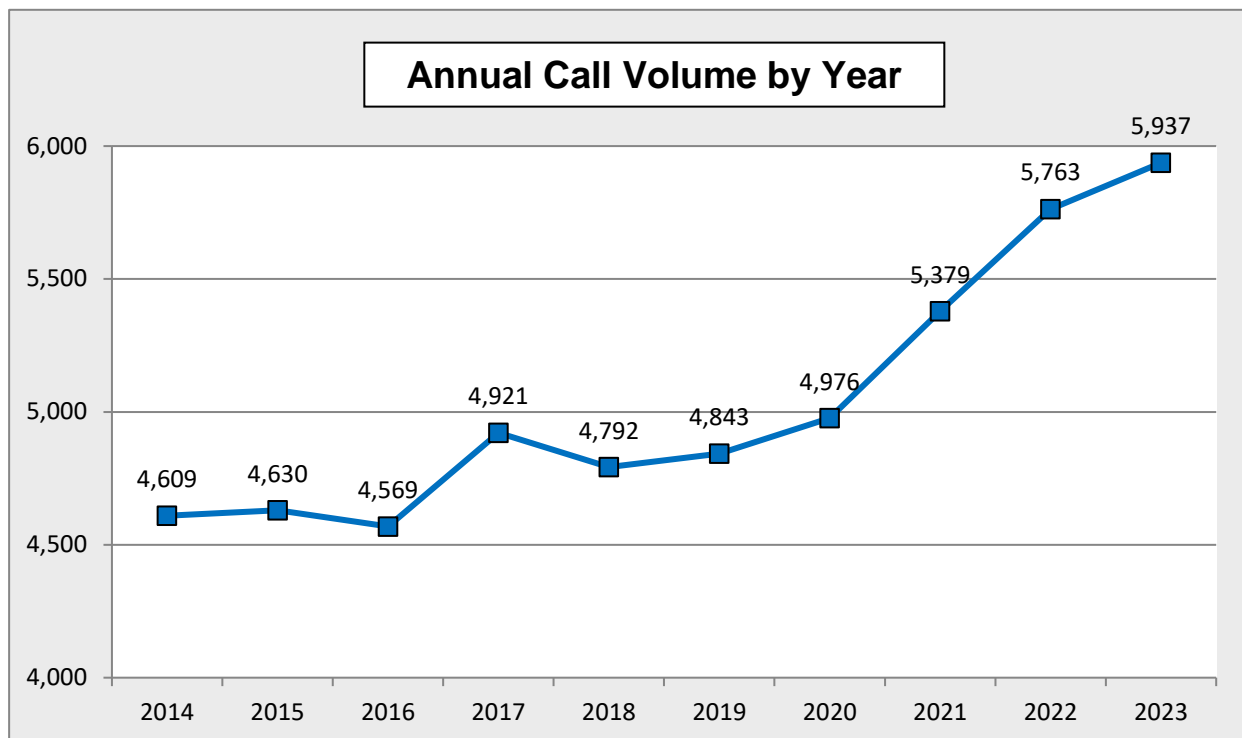


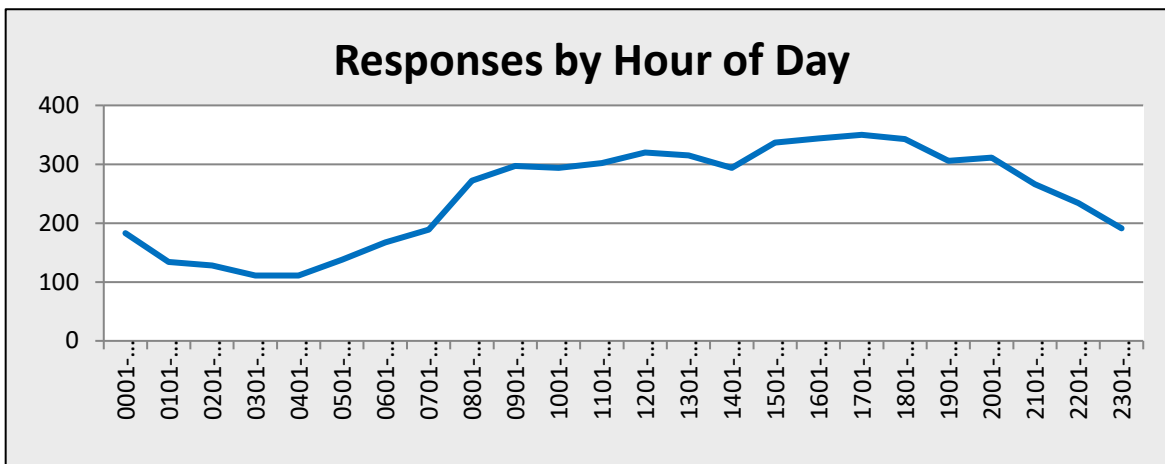
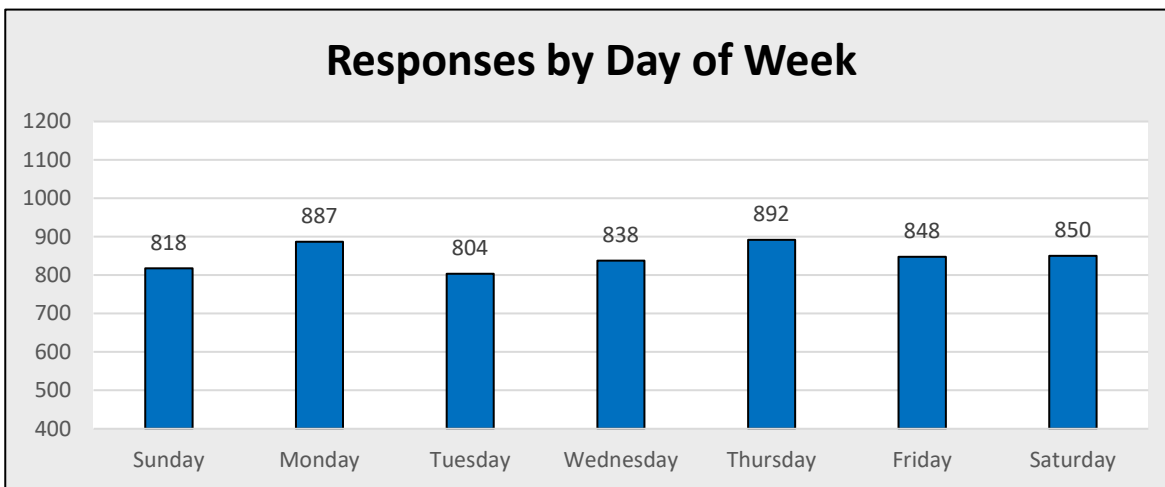
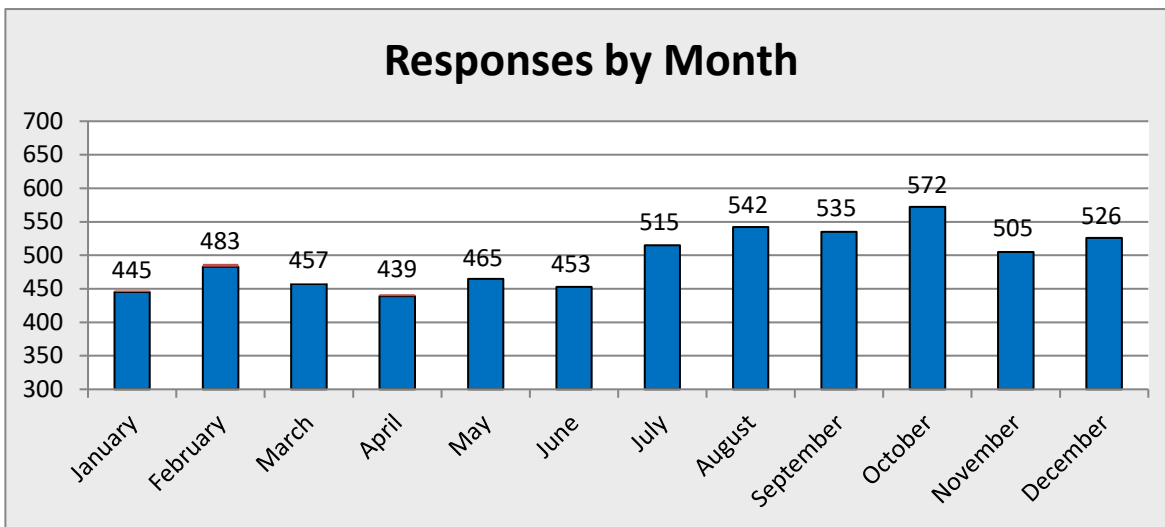


# Greater Round Lake Fire Protection District 2023 Emergency Response Summary

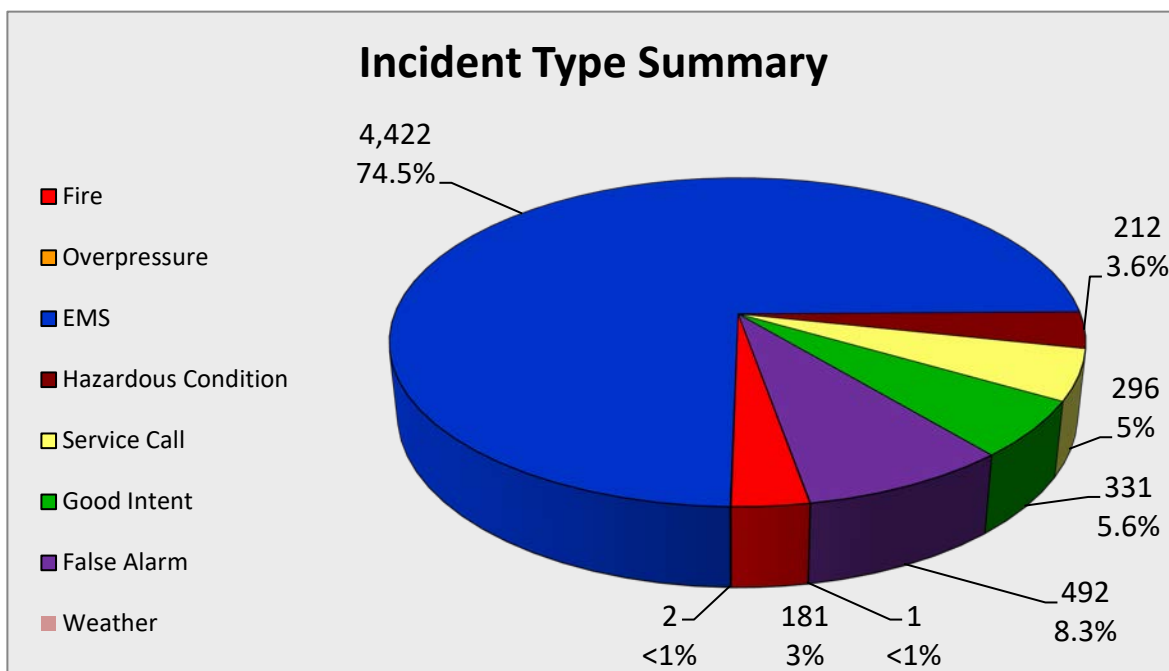
The Greater Round Lake Fire Protection District responded to 5,937 emergency incidents in 2023 – our busiest year ever. Overall, our call volume increased 3% over the prior year, and 24% in the past five years. Our crews continue to meet the demands of the added call volume and respond to difficult incidents under adverse conditions on a daily basis with one goal in mind – *Make Things Better!*



The year 2023 began with average responses per day close to pre-Covid-19 levels of around 14.5 incidents per day. However, as the year progressed call volume increased and reached a high of 18.5 incidents per day in October. Responses by the day of the week followed no set pattern with Thursday being our busiest day. As in the past, the number of responses by time of day, however, followed a very predictable pattern with the majority of our calls occurring during the waking hours.



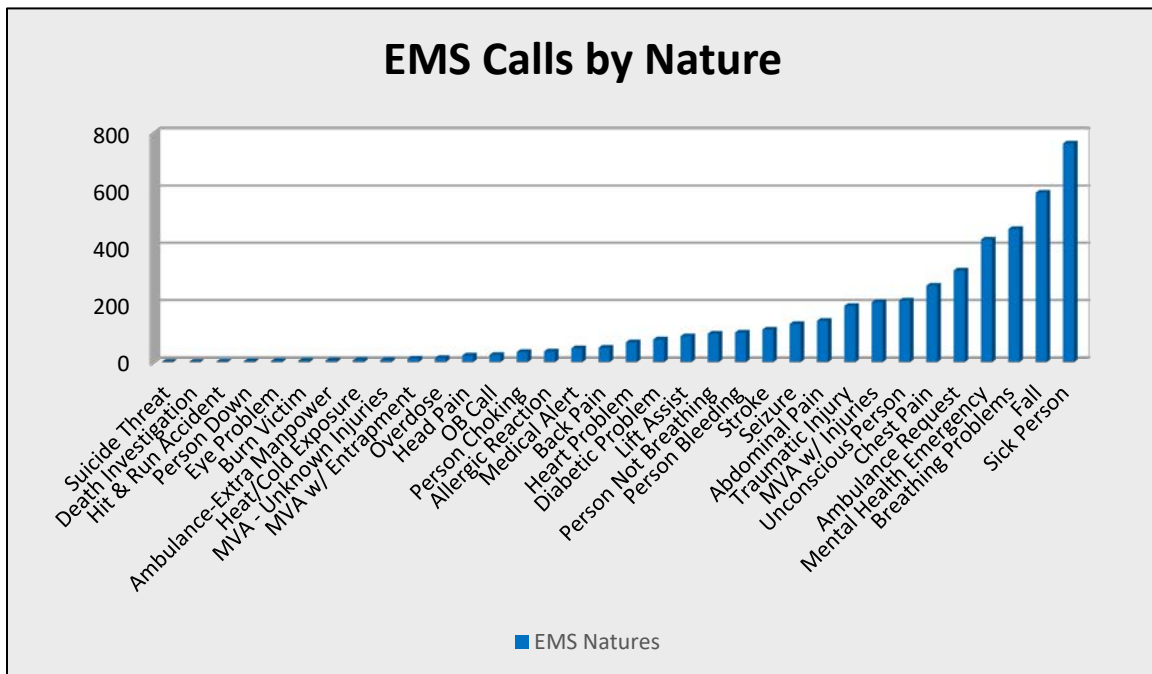
Our crews responded to 181 fire incidents in 2023. Of these responses, 99 incidents were for building fires with 33 of them occurring in-district. Of the in-district fires, 27 occurred in single family residences, 3 were in multi-family residences, and 3 were in commercial occupancies. Compared to last year, fire responses were up 25%, EMS calls increased 3%, Hazardous Condition calls increased 20%, Service Calls decreased 17%, Good Intent Calls increased 17% and False Alarm calls decreased 1%.



Our overall fire loss for the year was \$2.25 million dollars – a 40% increase compared to 2022. Four major residential building fires made up 67% of this loss. There were 33 building fires in our Fire District in 2023 – an 83% increase vs. 2022. Open layouts and increased fuel loads found in today's single-family residences continue to shorten the time between ignition and flashover for building fires – this is a significant factor in increased dollar losses due to fire. Another prevailing challenge to fire prevention efforts nationwide is the widespread proliferation of lithium-ion batteries in everything from cell phones to bicycles. While they are a lightweight and low-cost alternative to conventional batteries, low quality versions are highly susceptible to self-combustion and fire.

Incident Type	Total Value	Total Loss	Percent Saved
Building Fires	\$ 8,574,430	\$ 2,213,670	74%
Vehicle Fires	\$ 82,828	\$ 34,414	58%
Other Fires	\$ 3,251	\$ 3,251	0%
<b>Total</b>	<b>\$ 8,660,509</b>	<b>\$ 2,251,335</b>	<b>74%</b>

This year's top ten EMS incident types as categorized by dispatch nature include *Sick Person, Falls, Breathing Problems, Mental Health Emergency, Ambulance Request, Chest Pain, Unconscious Person, Motor Vehicle Accident with Injuries, Traumatic Injury and Abdominal Pain*. Of the top four categories, Mental Health Emergency has shown the biggest increase in incidents – climbing 29% since 2020. The Fall category is up 21%, and Sick Person is up 12%. Breathing Problems has remained nearly flat over this same period – hopefully an indicator that illness from the COVID-19 pandemic has stabilized.



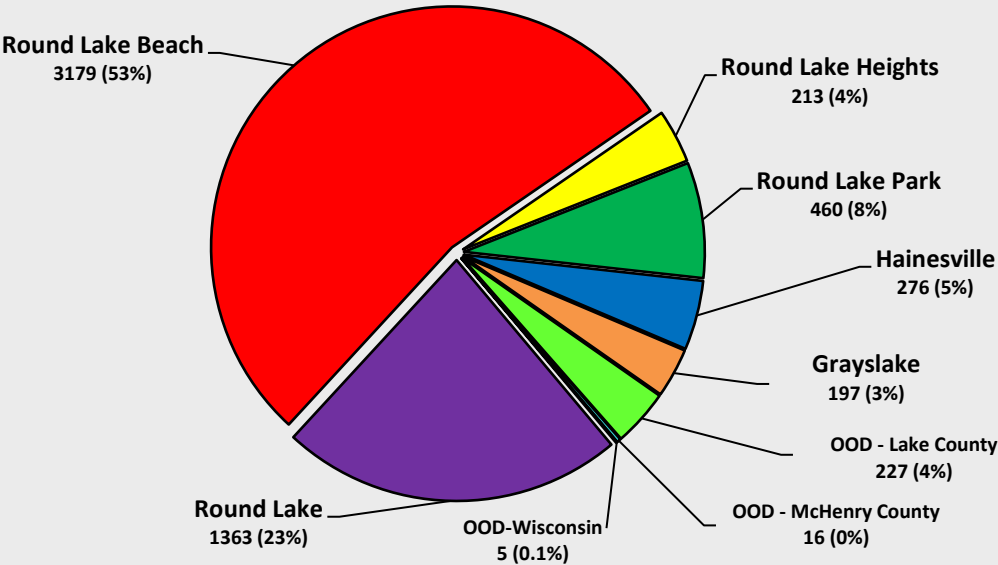
Condell Acute Care moved from the number two busiest incident location last year to number one in 2023. Cedar Villas Apartments saw a 41% increase in calls moving it to our fourth busiest location. Although their ranking on the list changed, nine of the ten locations on the list remained the same. A Private Residence replaced the Meijer Store this year as number ten on the list. These ten locations account for 17% of our total incidents.

	<b>Occupancy</b>	<b>Address</b>	<b>Calls</b>	<b>Still Dist.</b>
1	Condell Acute Care	2 E. Rollins Road, RLB	186	3
2	Oak Hill Supportive Living	76 E. Rollins Road, RLB	160	3
3	Beach Haven Towers	730 W. Golfview Drive, RLB	159	2
4	Cedar Villas Apartments	1899 N. Cedar Lake Road, RLB	110	2
5	Rosewood Apartments	210 – 318 W. Forest Ave, RL	97	1
6	Hillcrest Nursing Center	1740 N. Circuit Drive, RLB	88	3
7	CenCom E9-1-1	911 N. Lotus Drive, RLB	78	1
8	NorthShore Immed. Care	1000 E. Rollins Road, RLB	45	3
9	Round Lake High School	800 High School Drive, RL	33	1
10	Private Residence	22 E. Rosewood Ln, RLB	32	2
TOTAL			988 (17%)	

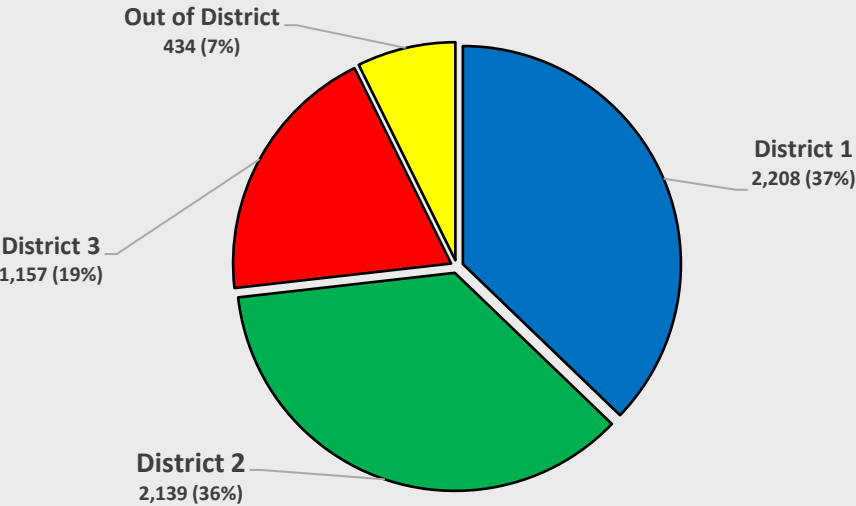
The two charts on the following page illustrate the distribution of incidents by municipality and responses by station. As in past years, the incident percentages correlate with the municipality populations. With the highest population, largest retail/commercial district and 8 of the 10 busiest incident locations, the Village of Round Lake Beach remains by far our busiest community for calls.

Station closures for remodeling were completed in February, and the call distribution between crews and still districts stabilized to normal values. Station 1 was our busiest with 37% of the call volume overall, followed by Station 2 at 36% and Station 3 at 19%. The remaining 8% were out-of-district responses for automatic and mutual aid.

# Responses by Village

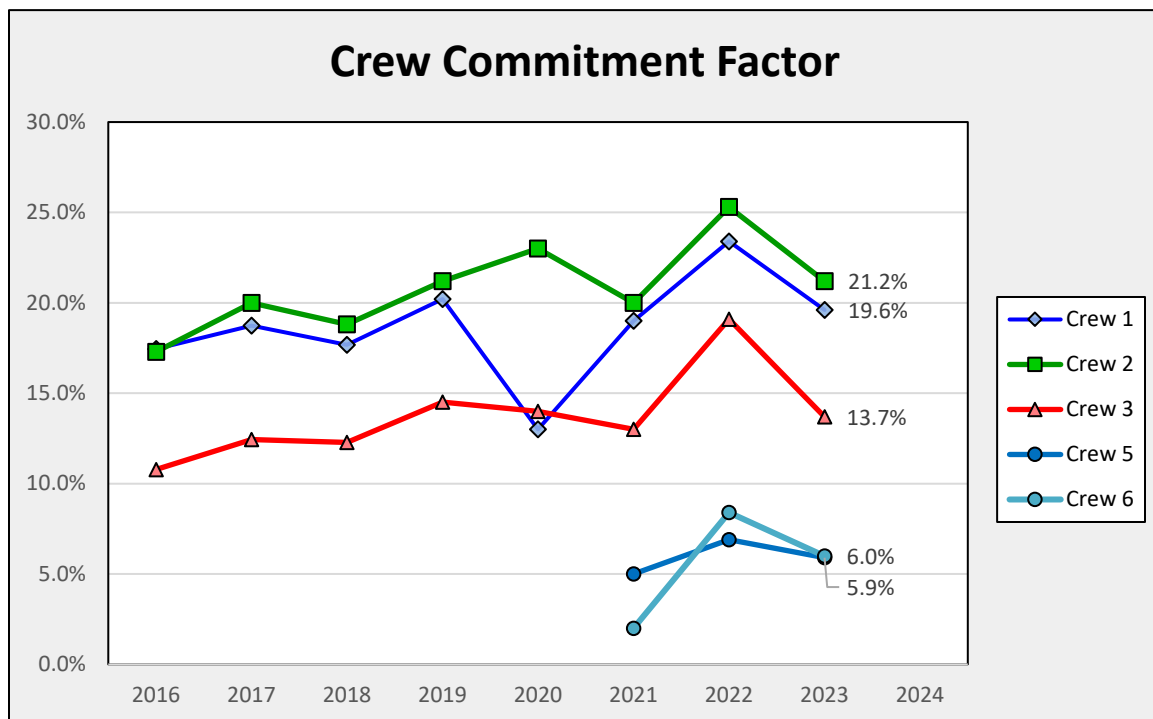


# Responses by 1st Due District

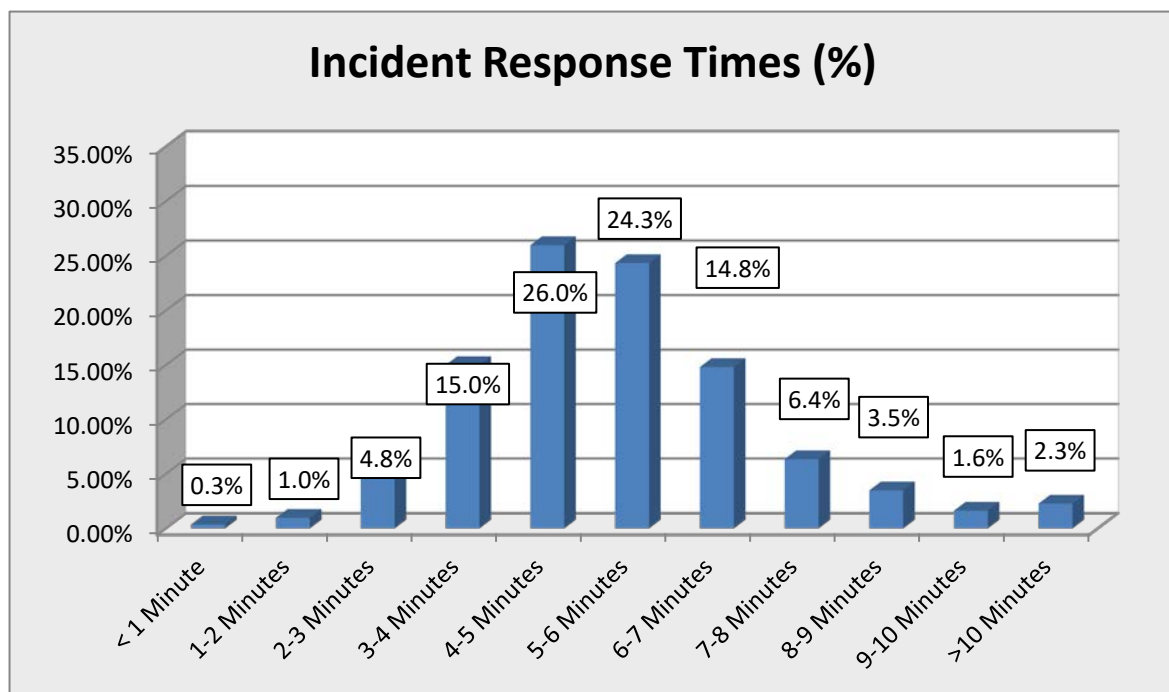


The chart below tracks our Crew Commitment Factor for the past 8 years. This measure identifies the ratio of the amount of time a crew is committed to emergency incidents compared to the overall time they are on duty. This measure is important in that it directly correlates to our availability for additional incidents and our crews having adequate time to perform apparatus checks, maintenance, training, public education activities and rest time. The ideal range for commitment factor is considered to be between 16% - 24%. With the remodeling complete in all three fire stations, Crew Commitment factors stabilized in 2023 to pre-construction values. It is anticipated that we will continue to see the Crew Commitment Factor values trend upward with increases in incident volumes.

An ongoing challenge in the coming years will be to better balance the commitment factor between primary and secondary response crews at Stations 1 & 2.



Response time measures the time that it takes our crews to reach an incident location from the time the call is answered at our dispatch center until our crew announces they are on the scene. The chart below details our response times for 2023. The data shows that we arrive on scene in 6 minutes or less 71% of the time, and in 8 minutes or less 93% of the time. This is an improvement over last year for both measures and can be attributed to the re-opening of all fire stations.



The chart on the following page details our number of incidents and average response time for each quarter-mile square grid of our Fire District. The grid areas are color coded by our relative response capability. The areas shaded in green are those that we reached in less than 6 minutes in 2023. Yellow indicates a response time of greater than 6 minutes, but less than 70 calls annually. Orange areas are those with a response time greater than 6 minutes and 70 – 100 calls. The areas in red are our most problematic with response times greater than 6 minutes and an incident rate greater than 100 calls per year. Incident locations on the western border of our district as well as map grid 3622C remain our most challenging to reach within 6 minutes.

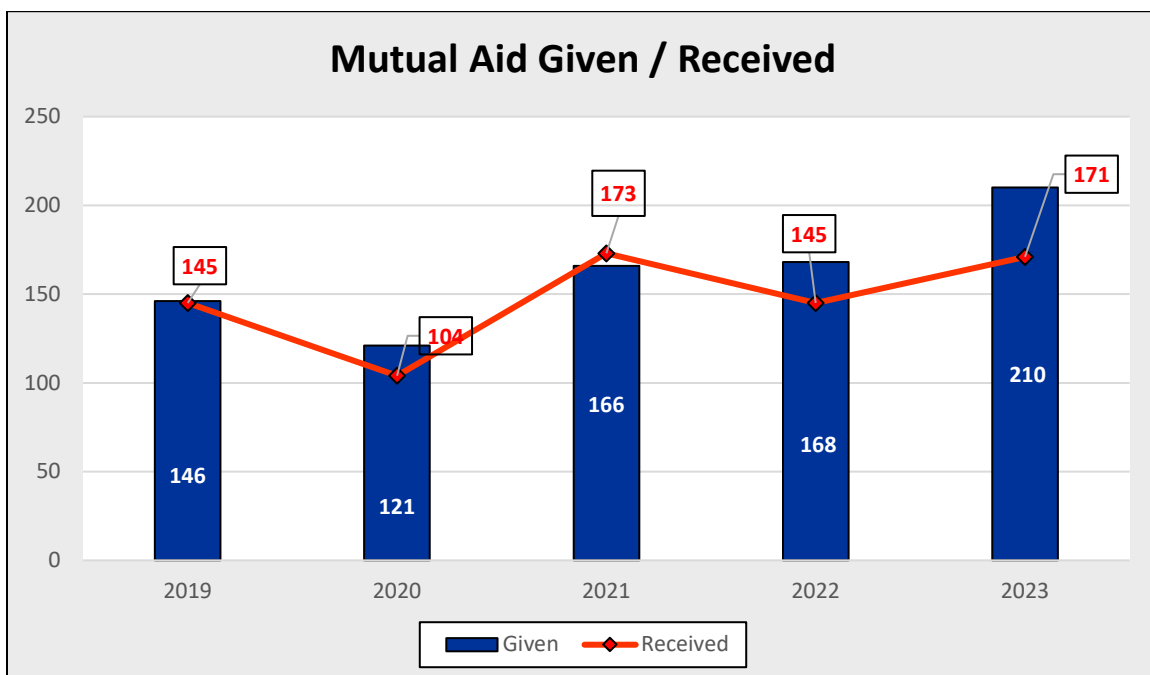
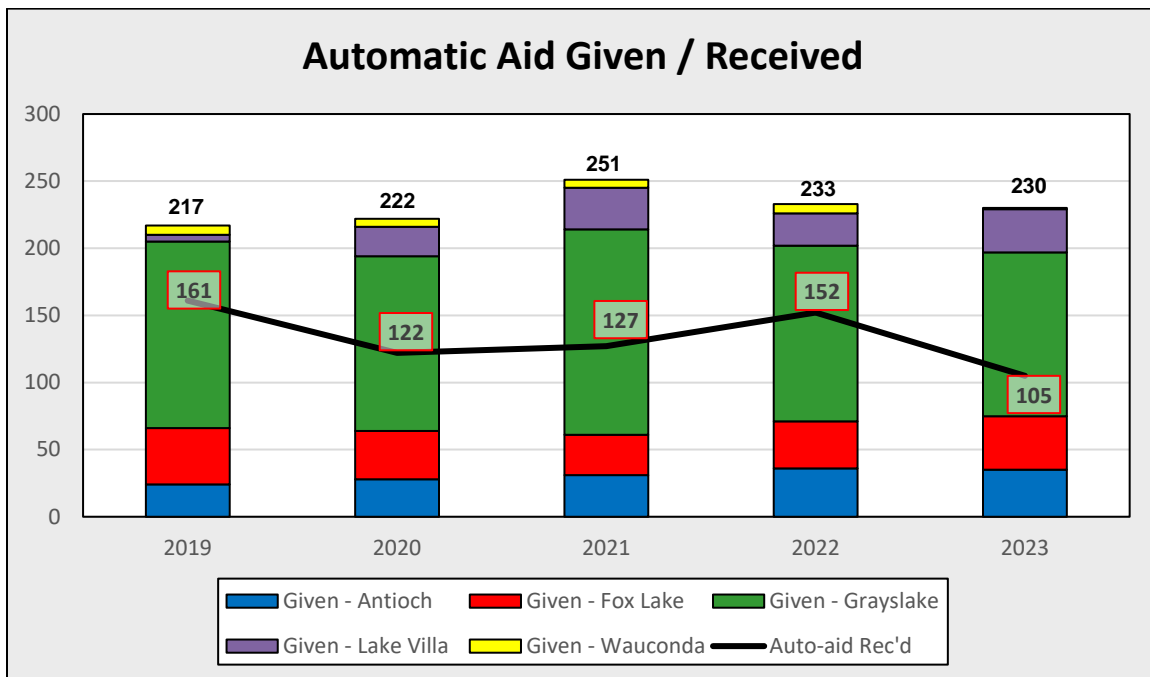


# Greater Round Lake Fire Protection District

## 2023 Calls

			3623B 13 calls 06:08	3622A 43 calls 06:19	3622B 40 calls 06:06		
3624C 0 calls 00:00	3624D 23 calls 06:28	3623C 38 calls 06:23	3623D 63 calls 05:49	3622C 145 calls 06:05	3622D 51 calls 05:59	3621C 84 calls 05:13	3621D 8 calls 07:10
3524A 73 calls 06:08	3524B 90 calls 05:00	3523A 206 calls 05:06	3523B 347 calls 04:30	3522A 392 calls 04:43	3522B 139 calls 04:31	3 3521A 105 calls 04:17	
3524C 49 calls 06:12	3524D 171 calls 05:26	3523C 303 calls 05:03	2 3523D 218 calls 03:56	3522C 130 calls 05:35	3522D 104 calls 06:00	3521C 1 call 09:25	
3424A 103 calls 06:19	3424B 162 calls 06:04	3423A 130 calls 04:59	3423B 178 calls 04:42	3422A 38 calls 06:34	3422B 33 calls 06:16		
3424C 122 calls 06:22	3424D 124 calls 05:35	3423C 66 calls 04:32	3423D 111 calls 04:47	3422C 74 calls 05:11	3422D 28 calls 05:46		
3324A 1 call 06:19	3324B 31 calls 05:13	3324C 108 calls 03:12	3323B 110 calls 04:49	3322A 193 calls 05:14	3322B 72 calls 07:12		
3324C 8 calls 05:23	3324D 3 calls 04:03	3323C 17 calls 05:19	3323D 218 calls 05:17	3322C 123 calls 04:50	3322D 112 calls 05:45	3321C 23 calls 06:15	
3224A 2 calls 05:20	3224B 18 calls 06:01	3223A 39 calls 05:02	3223B 106 call 05:58	3222A 0 calls 00:00	3222B 0 calls 00:00	3221A 4 calls 07:07	
3224C 0 calls 0.0	3224D 8 calls 06:00	3223C 24 calls 06:41	3223D 63 calls 06:21	3222C 0 calls 00:00	3222D 8 calls 07:12	3221C 0 calls 0:00	
3124A 5 calls 05:51	3124B 1 call 06:52	3123A 65 calls 05:54	3123B 46 calls 06:39	<div> <div>GRN: &lt;6 min. response</div> <div>YEL: &gt;6 min / &lt; 70 calls</div> <div>OR: &gt;6 min / 70–100 calls</div> <div>RED: &gt;6 min / &gt; 100 calls</div> </div>			
3124C 0 calls 00:00	3124D 8 calls 06:58	3123C 65 calls 06:23	3123D 12 calls 07:02				

Automatic and mutual aid is a very important part of our emergency response plan. Automatic aid is predominantly used for responses to building fires and fire alarms at target hazards. During these emergencies, it enables us to significantly increase our response force and thus provide better customer service and increases overall firefighter safety. It also helps to lower property insurance rates for our citizens through improved ISO rating scores. Mutual aid is used across all incident types when our resources become overwhelmed by the size or number of incidents. Increased call volume throughout the region is resulting in increased use of automatic and mutual aid by us and neighboring departments as well. In 2023, we responded to 39 additional requests for automatic/mutual aid and received assistance from outside agencies 17 fewer times as compared to 2022.



## 2023 Emergency Call Summary

### Emergency Medical:

EMS Call	4,128	
Covid Related EMS	21	
Vehicle Crash	223	
Other	50	
<b>Total Emergency Medical</b>	<b>4,422</b>	<b>74.5%</b>

### Fire:

Structure	99	
Vehicle	9	
Other	73	
<b>Total Fire</b>	<b>181</b>	<b>3%</b>

### Other Call:

Overpressure/Overheat	2	
Hazardous Condition	212	
Service Call	296	
Good Intent Call	331	
Weather Calls	1	
<b>Total Other Call</b>	<b>842</b>	<b>14%</b>

### False Alarm:

Malicious	6	
Accidental	486	
<b>Total False Call</b>	<b>492</b>	<b>8%</b>

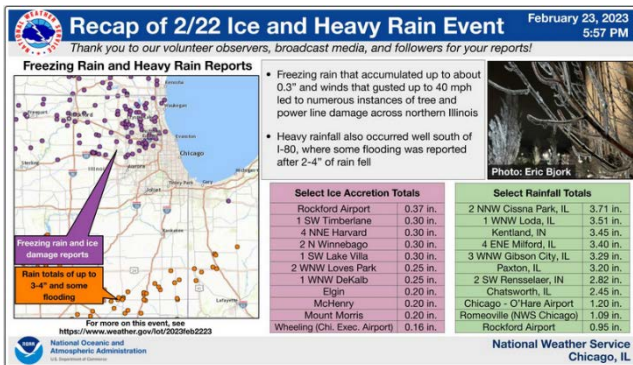
<b>TOTAL INCIDENTS - 2023</b>	<b>5,937</b>	<b>+3%</b>
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Total Incidents – 2022	<b>5,763</b>
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Total Incidents – 2021	<b>5,379</b>
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Total Incidents per Shift:	2023	<b>16.3</b>
	2022	<b>15.8</b>
	2021	<b>14.7</b>

# 2023 Significant Incidents:



February 22, 2023

District Wide:

A substantial ice storm hits Northern Illinois resulting in downed trees and power lines, exploding electrical transformers and widespread power outages across the Fire District. Crews respond to 70 incidents overall during the 24 hr. shift.



April 19, 2023

300 Block of E. Lake Shore Drive in Round Lake Park

Crews respond to a structure fire on a lakefront home in Round Lake Park. Upon arrival, they found a two-story house with fire showing on the exterior of the bravo side as well as from windows on the first and second floor. It quickly extended into the attic space and through the roof.



May 23, 2023

100 block of W. Belvidere Rd. Round Lake

Crews respond to a structure fire in a Spa located in a strip mall. Upon arrival, they find an interior room fire that had been suppressed by the building sprinkler system. Had the building not been sprinklered, the entire strip mall very likely would have been destroyed.



## 2023 Significant Incidents:



May 30, 2023

2500 Block of N. Mallard Ln.  
Round Lake Beach

Crews respond to a structure fire in a two-story single family residence. The fire appeared to have started on the back deck and quickly extended up the rear of the structure and into the attic. Crews arrived to find heavy fire loads on both floors and through the roof.



November 2, 2023

1300 Block of Williams Ave.  
Round Lake Beach

Crews respond to a reported shed fire and arrive to find the shed fully engulfed in fire as well as the two houses adjacent to it. The alarm is upgraded to the 2<sup>nd</sup> alarm level and brought under control in an hour. Two civilians are treated at the scene with one being transported to the hospital.



November 20, 2023

Fairfield Rd. North of  
Nippersink Rd.  
Round Lake

Crews respond to a 2 vehicle, head-on crash with entrapment. A total of four victims are injured in the crash. The driver of one vehicle is heavily entrapped and crews worked for 40 minutes to free her from the wreckage.