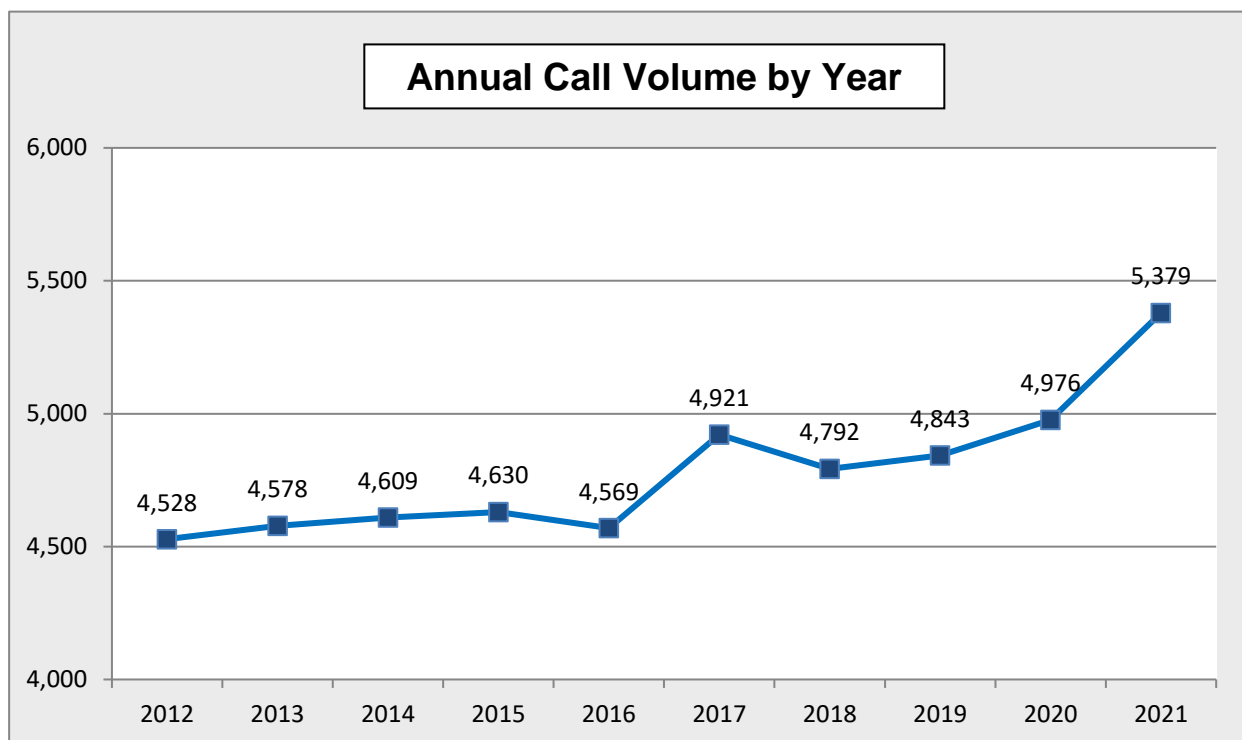


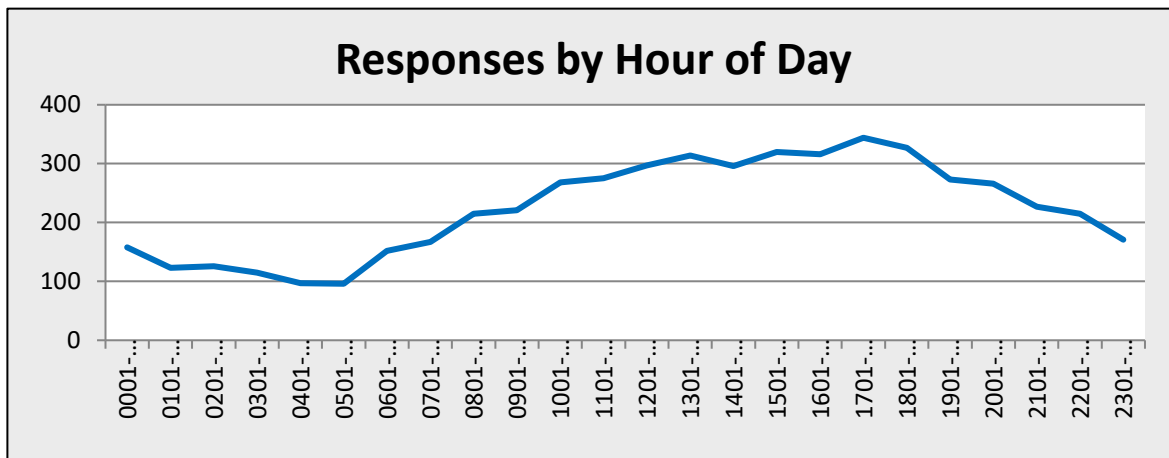
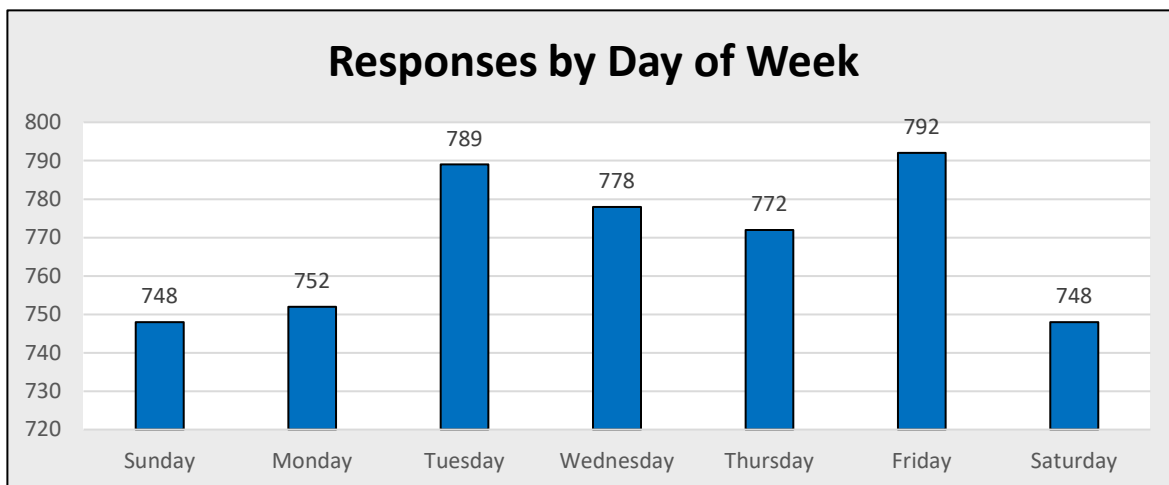
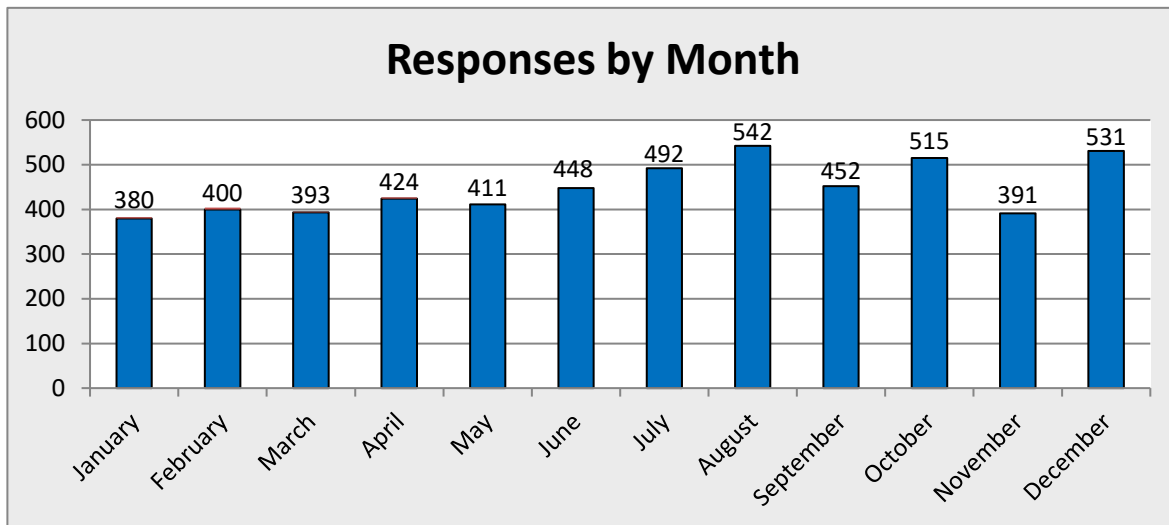


Greater Round Lake Fire Protection District 2021 Emergency Response Summary

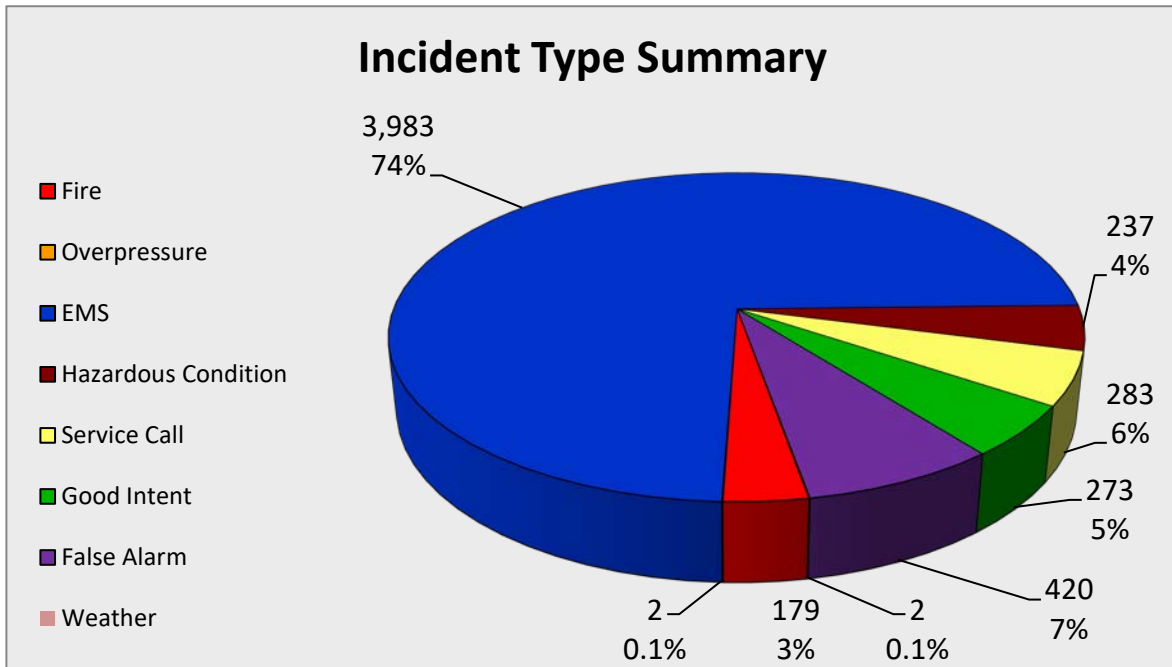
The Greater Round Lake Fire Protection District responded to 5,379 emergency incidents in 2021. While COVID-19 related calls were certainly a contributor to this 8.1% increase in call volume over the prior year, we also saw increases in nearly every category of incidents. Throughout the year, our firefighters continued to face the pandemic head-on with professionalism, dedication and grit in the performance of their duties.



Historically, our responses remain relatively consistent from month to month with slight variations based on the number of days in the month. Our 2021 call volume followed this pattern for the first five months of the year and then saw increases in the latter months. This coincided with increased EMS calls due to the pandemic. Responses by the day of the week generally follow no set pattern. The number of responses by time of day, however, follows a very predictable pattern with the majority of our calls occurring during the waking hours.



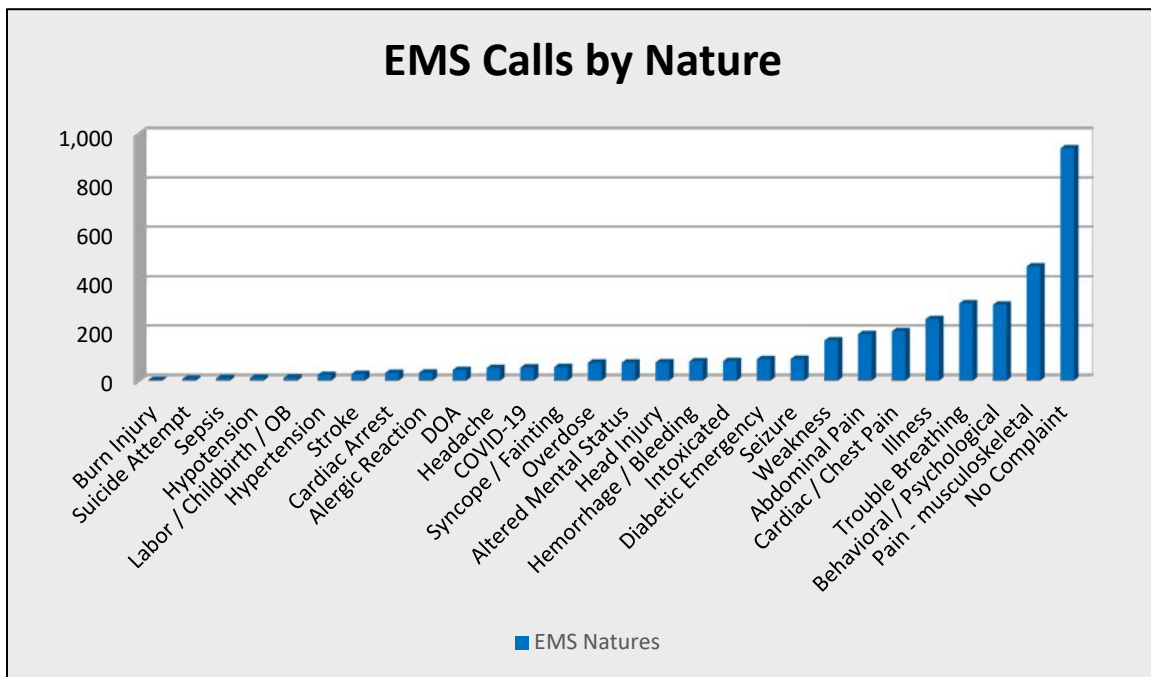
Our crews responded to 179 fire incidents in 2021. Of these responses, 98 incidents were for building fires with 23 of them occurring in district. Of the 23 in-district fires, 18 occurred in single family residences, 3 were in multi-family residences, 1 was in a commercial building and 1 in a multiplex cinema. Overall, fire responses were up 20%, EMS calls increased 7%, Hazardous Condition calls increased 17%, Good Intent Calls increased 20% and false alarm calls increased 13%.



Our overall fire loss for the year was \$1.6 million dollars – a 33% increase over 2020. Of all the fires, 3 accounted for 55% of the overall dollar loss and 4 other fires resulted in substantial losses of over \$100,000 each. The complex nature of estimating the value of structures and contents adds further variability to these numbers.

Incident Type	Total Value	Total Loss	Percent Saved
Building Fires	\$ 13,981,900	\$ 1,548,770	89%
Vehicle Fires	\$ 44,900	\$ 44,200	2%
Other Fires	\$ 1,487,779	\$ 13,114	99%
Total	\$ 15,514,599	\$ 1,606,084	90%

Our crews responded to a wide variety of EMS situations and medical conditions. Our top five incident types as categorized by our medical software include *No Complaint*, *Pain*, *Behavioral/Psychological*, *Trouble Breathing*, *Illness*, *Cardiac/Chest Pain*, *Abdominal Pain*, *Weakness*, *Seizure* and *Diabetic Emergency*. The top EMS incident category, *No Complaint*, included a variety of different situations where we were requested to respond, but did not transport the patient to the hospital (lift assists, police matters, welfare checks, medical alarms, etc.). Surprisingly, COVID-19 was not included in the top 10 list; however, many of the calls classified as Trouble Breathing can be assumed to be COVID related. Our crews were recognized this year for their life saving performance on numerous occasions including the successful breach delivery of a baby in the field and resuscitation of a cardiac-arrest victim that resulted in him walking out of the hospital without any significant deficits.



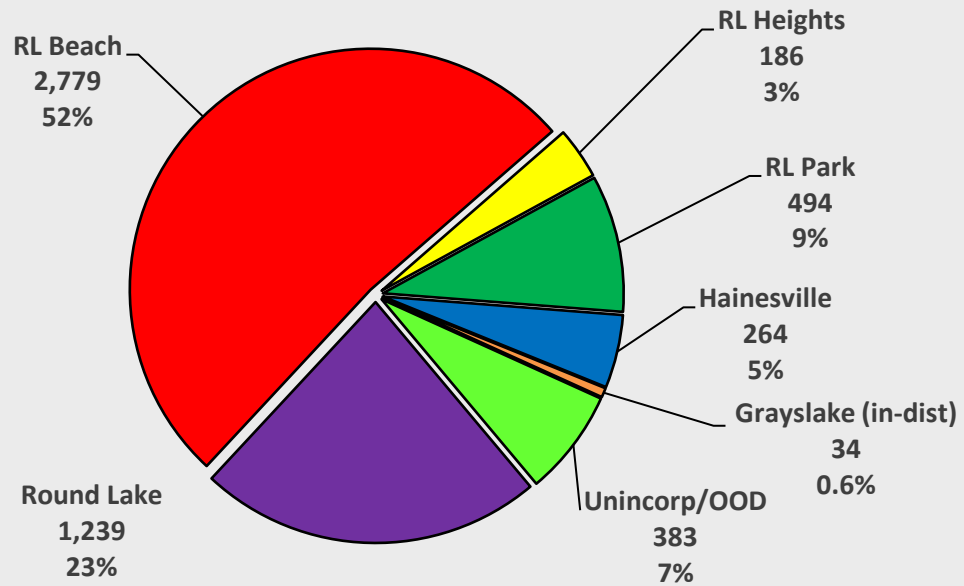
Oak Hill Supportive Living remains our busiest incident location overall. Although their ranking on the list changed, the occupancies comprising our 4 busiest incident locations remained the same. New to the list this year is the Meijer Store located at 750 E. Rollins Road. These ten locations account for 14% of our total incidents.

	Occupancy	Address	Calls	Still Dist.
1	Oak Hill Supportive Living	76 E. Rollins Road, RLB	144	3
2	Condell Acute Care	2 E. Rollins Road, RLB	113	2
3	Beach Haven Towers	730 W. Golfview Drive, RLB	101	2
4	Rosewood Apartments	210-318 W. Forest Ave, RL	94	1
5	Cedar Villas	1899 N. Cedar Lake Road, RLB	78	2
6	CenCom E911 Jail	911 N. Lotus Dr, RLB	59	1
7	Northshore Immediate Care	1000 E Rollins Rd, RLB	53	3
8	Hillcrest Nursing Center	1740 N. Circuit Dr, RLB	36	2
9	Meijer Store	750 E. Rollins Rd, RLB	35	3
10	A Private Residence	306 N. Prospect, RLP	34	1
TOTAL			747 (14%)	

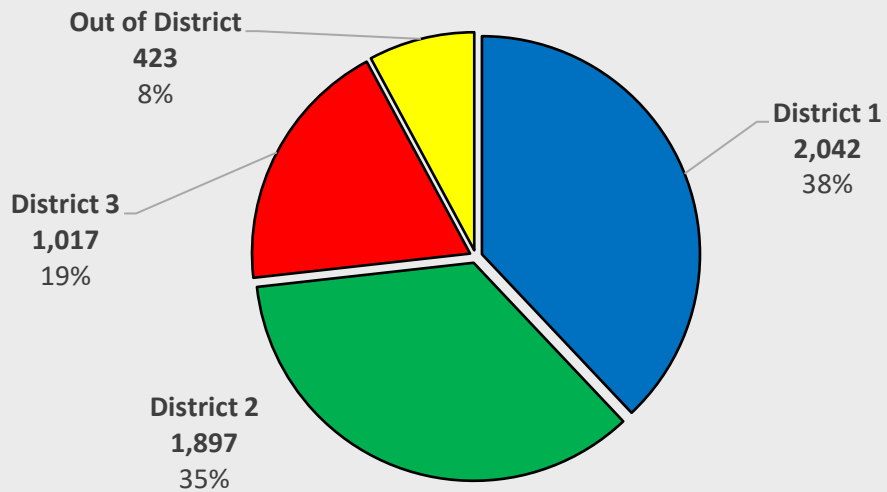
The two charts on the following page illustrate the distribution of incidents by municipality and responses by station. As in past years, the incident percentages correlate with the municipality populations. With the highest population, largest retail/commercial district and 8 of the 10 busiest incident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

With construction completed, Station 1 officially re-opened on January 2, 2021. As anticipated, the distribution of incidents between the stations returned to their pre-construction levels. Station 1 was our busiest with 38% of the call volume overall, followed closely by Station 2 at 35%. We anticipate the closure of Station 2 for remodeling in 2022 will again affect the normal call distribution and response times while crews are temporarily relocated during the construction.

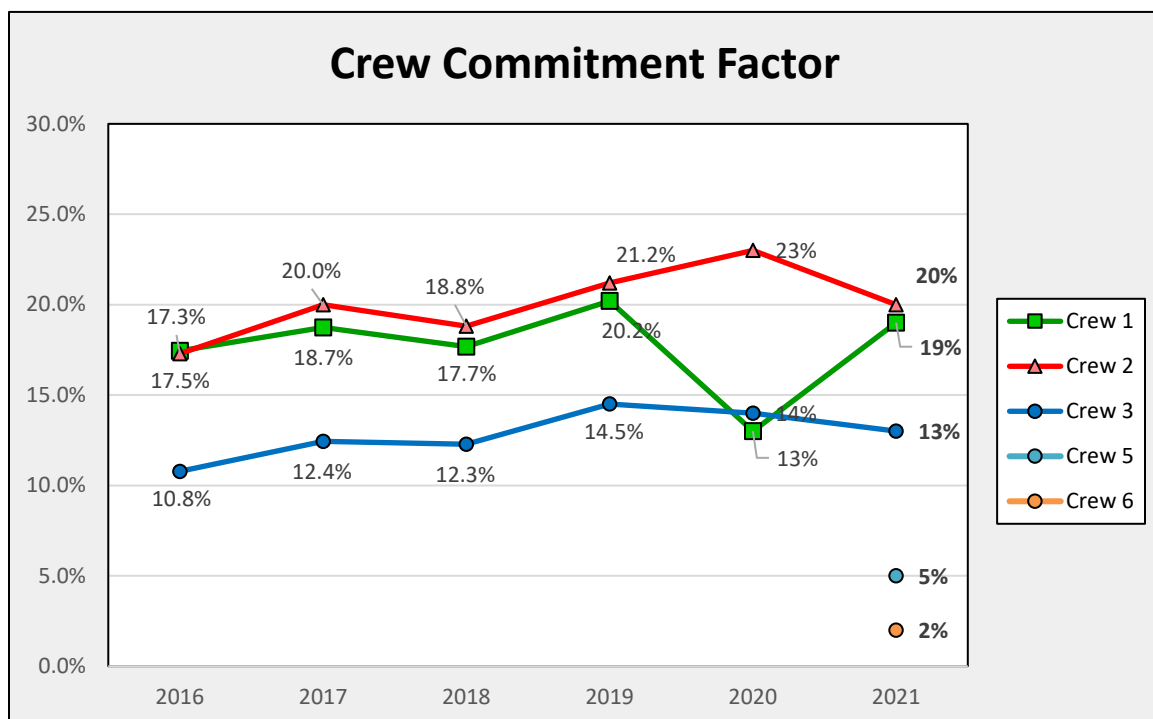
Responses by Village



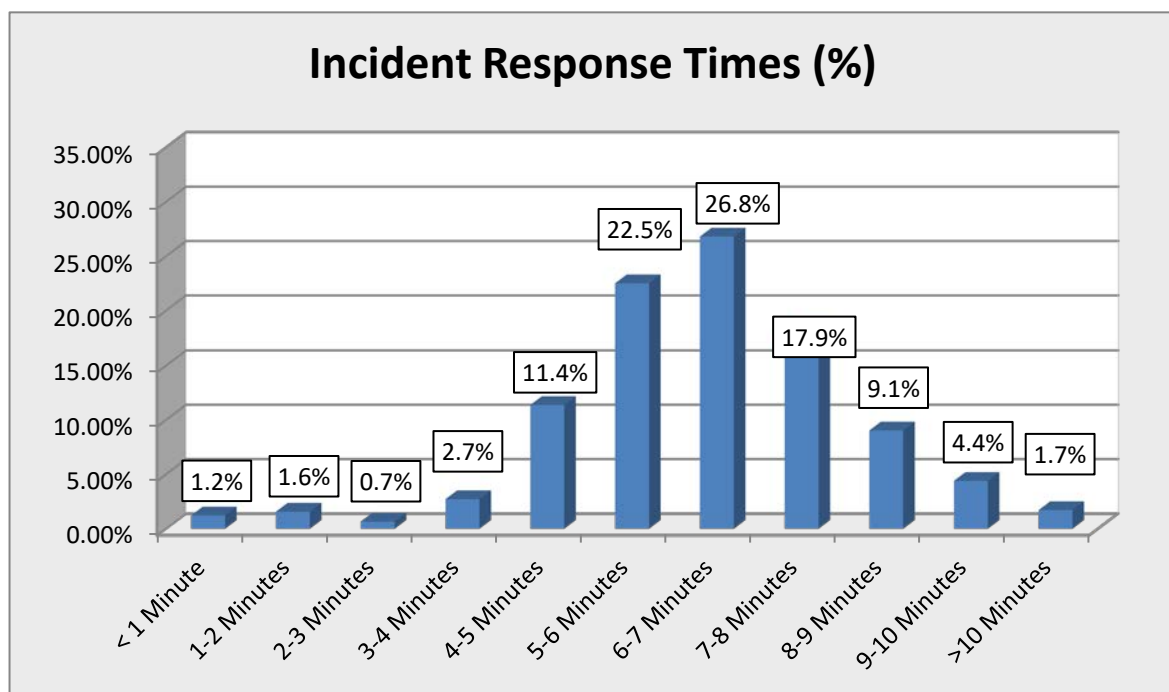
Responses by 1st Due District



The chart below tracks our Crew Commitment Factor for the past 6 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. It 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, and public education activities. The ideal range for commitment factor is considered to be between 16% - 24%. Changes in the commitment factor in 2021 were driven by the increase in call volume as well as the re-distribution of manpower caused by the reopening of Station 1. While the commitment factor percentages are significantly lower for Crews 5 & 6, the importance of these crews in covering stacked (multiple) incidents and providing for adequate resources at large scale incidents cannot be overemphasized.



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 2021. The data shows that we arrive on scene in 6 minutes or less 67% of the time, and in 8 minutes or less 94% of the time. This is an improvement of 10% over the prior year for both measures and can be attributed to the re-opening of Station 1.

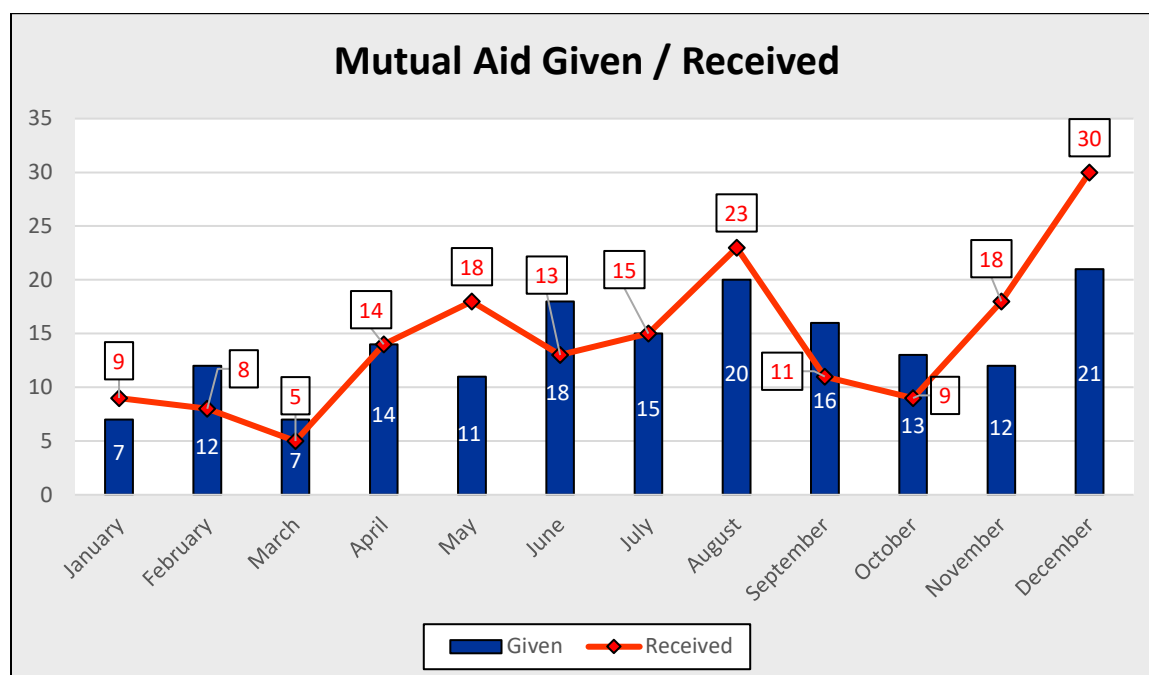
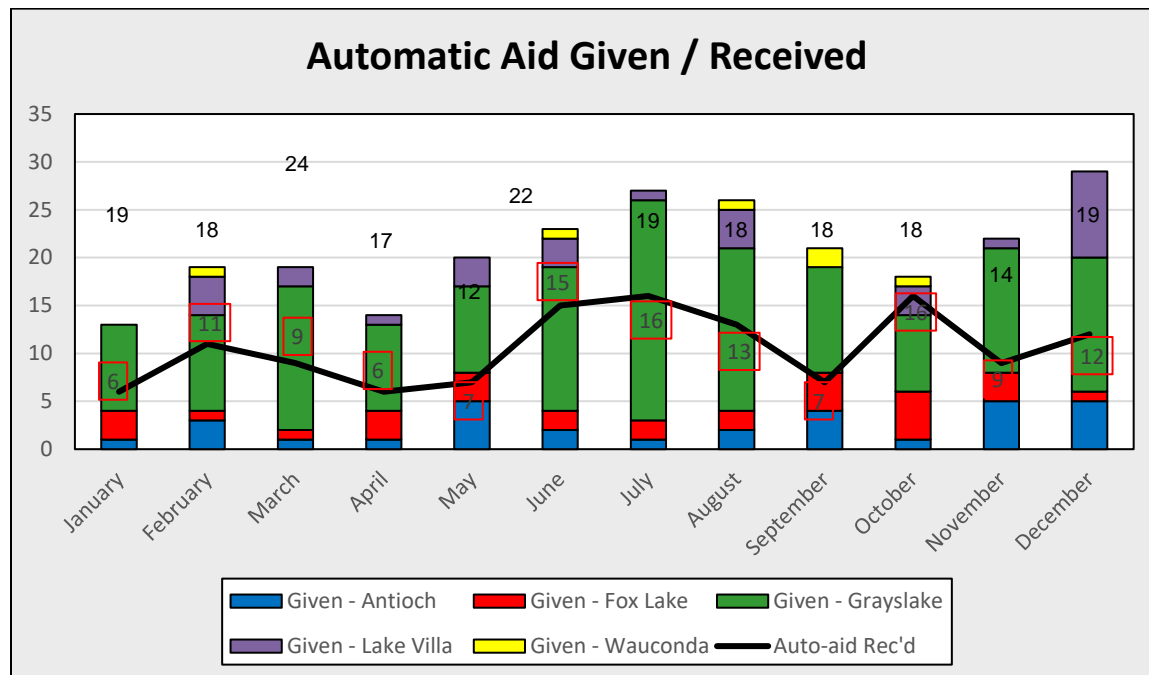


The chart on the following page details our number of incidents and average response time for each quarter-mile square grid of our Fire District. The grid areas are color coded by our relative response capability. The areas shaded in green are those that we reached in less than 6 minutes in 2021. Yellow 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 remain our most challenging to reach within 6 minutes.

Greater Round Lake Fire Protection District 2021 Calls

			3623B 8 calls 7.01	3622A 21 calls 6.72	3622B 21 calls 5.6		
3624C 1 call 7.82	3624D 22 calls 6.45	3623C 41 calls 7.04	3623D 74 calls 5.46	3622C 130 calls 6.40	3622D 29 calls 6.19	3621C 64 calls 5.75	3621D 17 calls 6.81
3524A 76 calls 6.24	3524B 70 calls 5.18	3523A 166 calls 5.32	3523B 274 calls 4.76	3522A 309 calls 5.12	3522B 125 calls 4.63	3 3521A 103 calls 4.22	
3524C 60 calls 6.39	3524D 168 calls 5.54	3523C 229 calls 5.2	2 3523D 167 calls 4.22	3522C 180 calls 5.66	3522D 105 calls 5.77	3521C 0 call 0.0	
3424A 122 calls 6.90	3424B 144 calls 6.29	3423A 136 calls 5.31	3423B 147 calls 4.94	3422A 24 calls 7.12	3422B 29 calls 7.00		
3424C 103 calls 6.33	3424D 111 calls 5.98	3423C 54 calls 3.79	3423D 136 calls 4.93	3422C 76 calls 5.89	3422D 48 calls 6.38		
3324A 5 calls 5.21	3324B 29 calls 5.86	3324C 101 calls 3.49	1 3323B 78 calls 4.97	3322A 195 calls 5.75	3322B 67 calls 7.06		
3324C 4 calls 4.82	3324D 7 calls 4.77	3323C 17 calls 5.00	3323D 226 calls 5.26	3322C 86 calls 5.07	3322D 121 calls 5.87	3321C 28 calls 6.46	
3224A 0 calls 0.0	3224B 22 calls 6.22	3223A 35 calls 5.76	3223B 75 calls 6.36	3222A 1 call 6.53	3222B 3 calls 1.41	3221A 0 calls 0.0	
3224C 1 call 6.97	3224D 11 calls 5.44	3223C 31 calls 6.32	3223D 48 calls 6.76	3222C 1 call 5.98	3222D 4 calls 8.03	3221C 0 calls 0.0	
3124A 4 calls 5.16	3124B 1 call 9.7	3123A 27 calls 5.57	3123B 27 calls 7.55	<div>GRN: <6 min. response YEL: >6 min / < 70 calls OR: >6 min / 70–100 calls RED: >6 min / > 100 calls</div>			
3124C 0 calls 0.0	3124D 10 calls 8.06	3123C 53 calls 7.00	3123D 10 calls 6.83				

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 2021, we responded to 69 additional requests for automatic/mutual aid and received assistance from outside agencies an additional 69 times.



2021 Emergency Call Summary

Emergency Medical:

EMS Call	3,451	
Covid Related EMS	257	
Vehicle Crash	246	
Other	29	
Total Emergency Medical	3,983	74%

Fire:

Structure	98	
Vehicle	15	
Other	66	
Total Fire	179	3%

Other Call:

Overpressure/Overheat	2	
Hazardous Condition	237	
Service Call	283	
Good Intent Call	273	
Weather Calls	2	
Total Other Call	797	15%

False Alarm:

Malicious	3	
Accidental	417	
Total False Call	420	8%

TOTAL INCIDENTS - 2021	5,379	+8.1%
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Total Incidents – 2020	4,976
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Total Incidents – 2019	4,843
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Total Incidents per Shift:	2021	14.7
	2020	13.6
	2019	13.3

2021 Significant Incidents:

Structure Fires:



June 30, 2021

37 W. Big Horn Drive
Hainesville

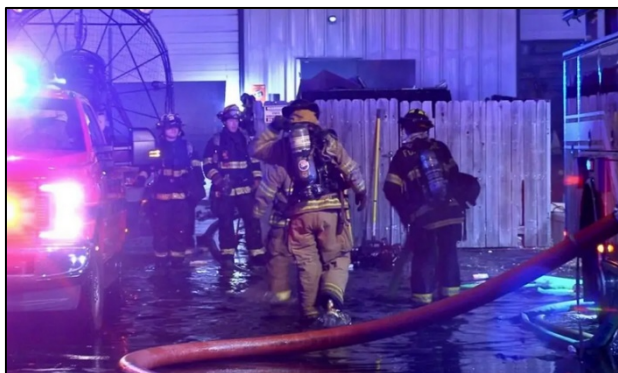
A well involved structure fire in the center unit of a townhome building extends into the attic space and causes extensive damage to three units total before it is extinguished by fire crews.



November 9, 2021

1391 Oxford Lane
Round Lake

Crews are dispatched to a report of smoke in the area in the Coventry Glen Apartment Complex. Upon investigation, they find a well involved attic fire in a three-story apartment building. The alarm is upgraded to a 2nd alarm with fourteen different departments assisting to extinguish the fire.



November 30, 2021

702 Magna Drive
Round Lake

Crews are dispatched for a fire alarm at Northern Insulation. Battalion 26 arrives to find heavy smoke coming from the building and the sprinkler system activated. The alarm is upgraded to a structure fire and eventually a box alarm to the second level. The Quad 2 Airboat was also used at the scene to ventilate the building.