



WARRENVILLE FIRE PROTECTION DISTRICT



**Annual Report
2020**

Table of Contents

Message from the Fire Chief.....Page 3

2020 Responses.....Page 4

Emergency Medical Services.....Page 5

Response Times.....Page 7

Administrative Report.....Page 8

Training.....Page 9

Technical Rescue Team.....Page 10

Hazardous Incident Response Team.....Page 11

Water Rescue Team.....Page 12

Fire Prevention Bureau.....Page 13

Fire Investigations.....Page 14

Public Education.....Page 15

Community Risk Reduction.....Page 15

CPR/AED Classes.....Page 16

Tactical Emergency Medical Support.....Page 17

Logistics.....Page 18

Honor Guard.....Page 19



It is my honor and privilege to present the 2020 Annual Report of the Warrenville Fire Protection District. In this report, you will find the details of our agency's daily activity, including all aspects of planning, prevention, and response for calendar year 2020.



2020 saw many challenges as we navigated the COVID-19 pandemic. When the pandemic began, we had limited supplies of personal protective equipment (PPE) in our inventory. Our personnel came together and collaborated with our community dental offices, Edward Hospital, and the DuPage County Office of Emergency Management to quickly increase our supplies to a level acceptable to keep our personnel and residents safe. We quickly created an incident action plan and continuity of operations plan to help maintain operational consistency and adequate staffing levels. Warrenville Fire saw several of its personnel contract the COVID-19 virus from sources outside of the fire station, and many of our personnel were forced to quarantine due to COVID-19 exposures. I am happy to report that no cases of COVID-19 were spread by in station exposures. We credit our personnel's ability to adapt to in-station mask mandates, social distancing, and cleaning and disinfecting procedures that all attributed to our record of no in-station transmissions of COVID-19.

We added three full time firefighter paramedics to our roster as well as three permanent part-time positions which helped to increase our staffing giving us the ability to staff two ambulances 24 hours a day.

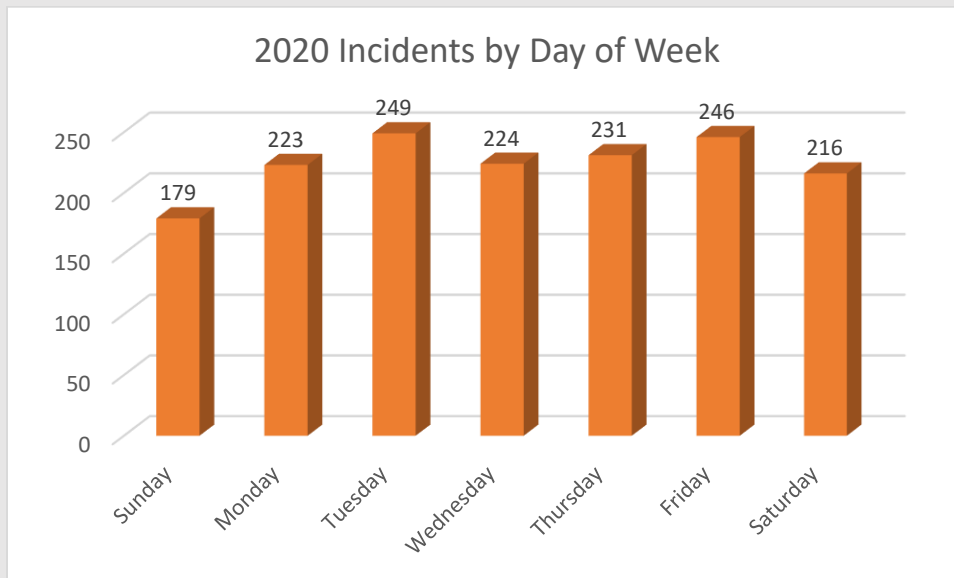
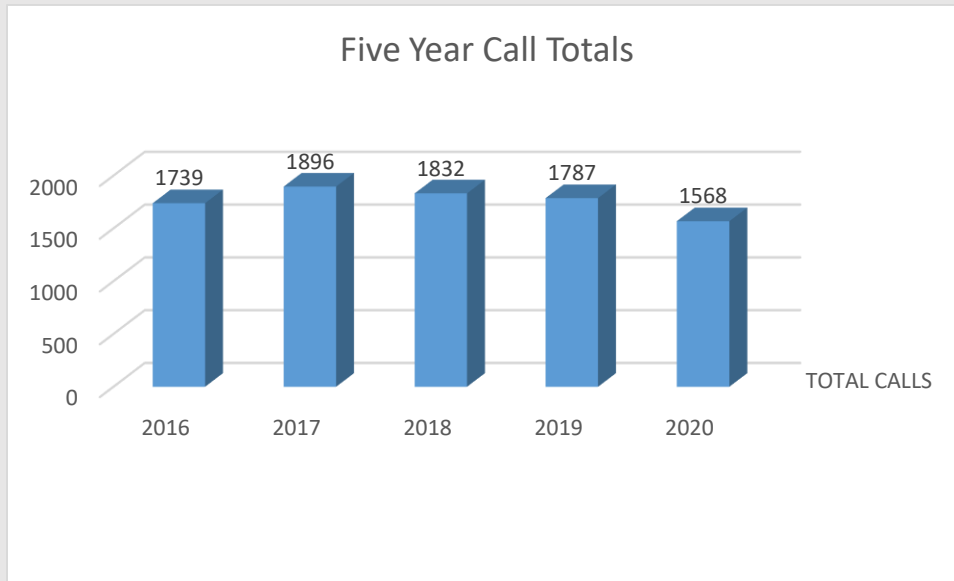
We welcomed the addition of a new 2020 Pierce fire engine that was designed by a team of firefighters from all ranks along with input from our mechanic. The new engine was designed and built to handle the large amount of EMS assist calls that it responds to as well as the ability to operate in extreme temperatures.

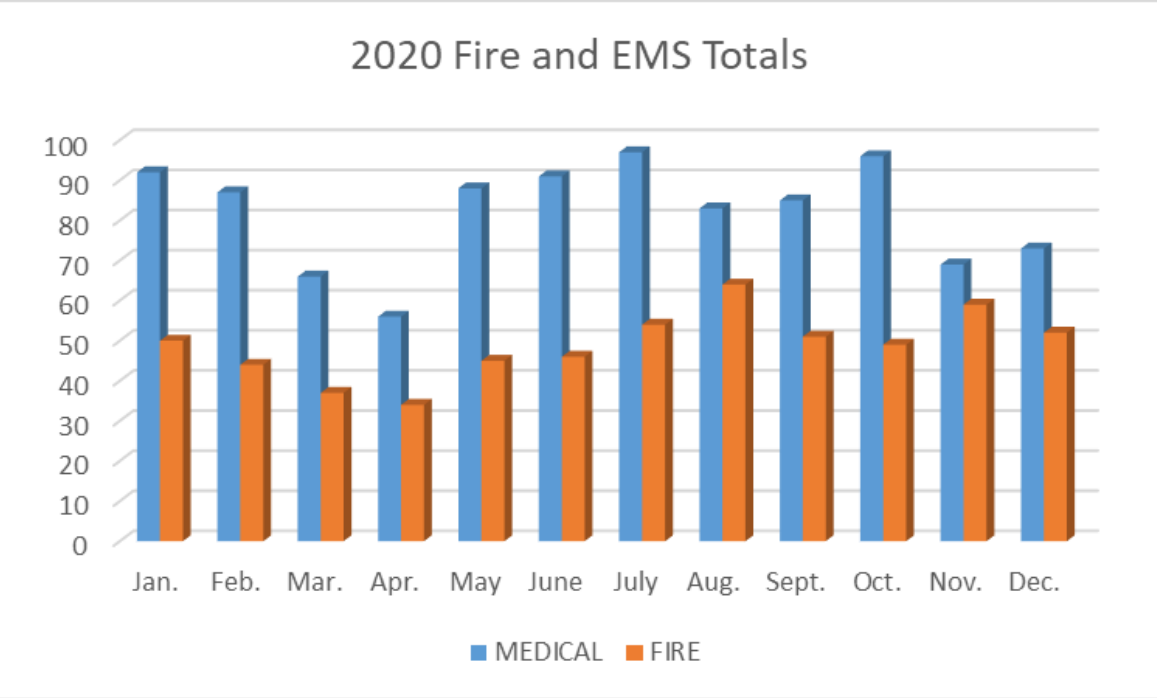
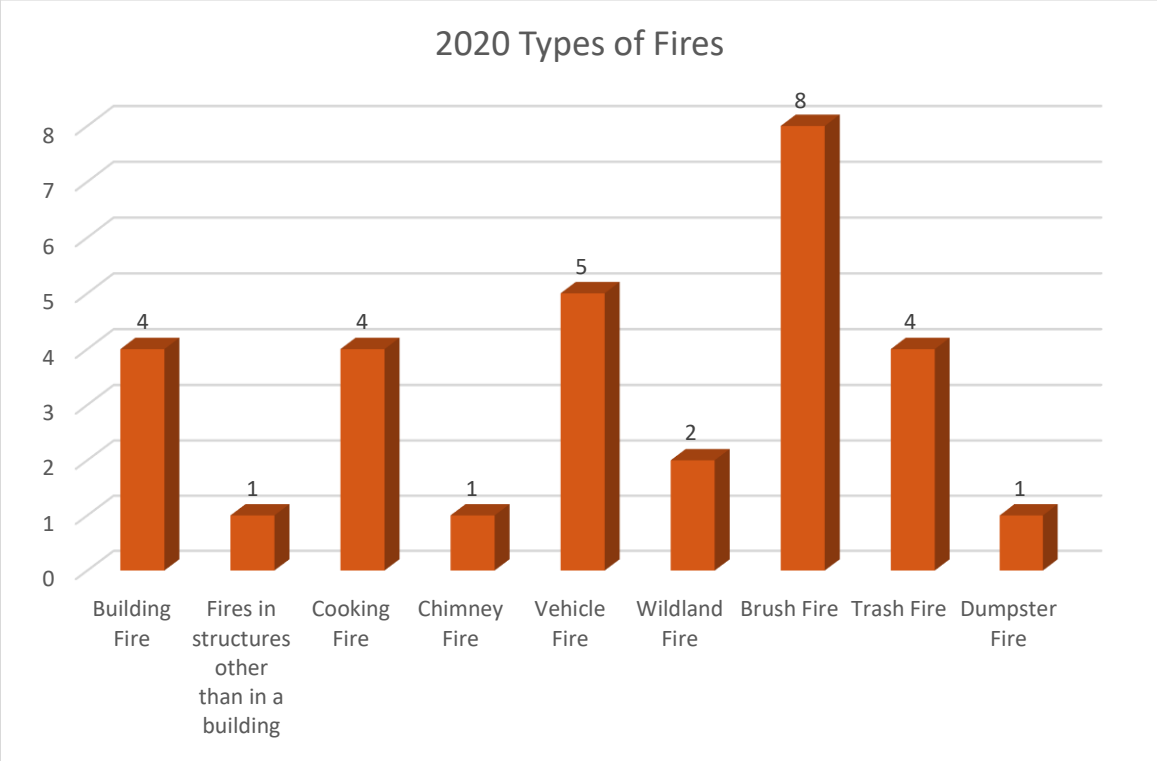
As we move into 2021, we look forward to vaccinating as many personnel as possible against COVID-19. We will continue to follow the metrics and guidance provided by the DuPage County Health Department as they have been a great community partner and reliable source of information.



2020 Responses

For the past three years, the Warrenville Fire Protection District witnessed a decreasing call volume. 2020 has seen the most significant decrease which can be attributed to the COVID-19 pandemic. We saw three large residential developments receive their occupancy permits in late 2020. With several other multi-family housing developments scheduled to open in 2021, we don't foresee this downward trend in calls continuing. The most recent referendum has prepared us well to adjust our staffing with a growing population and the increasing call volume that we are predicting in 2021.

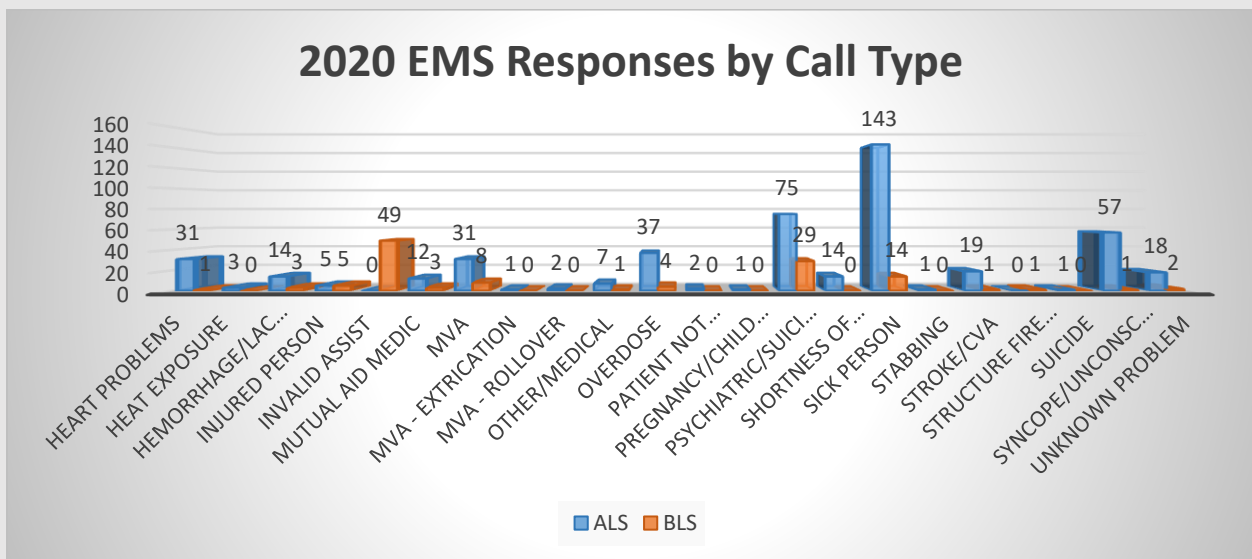
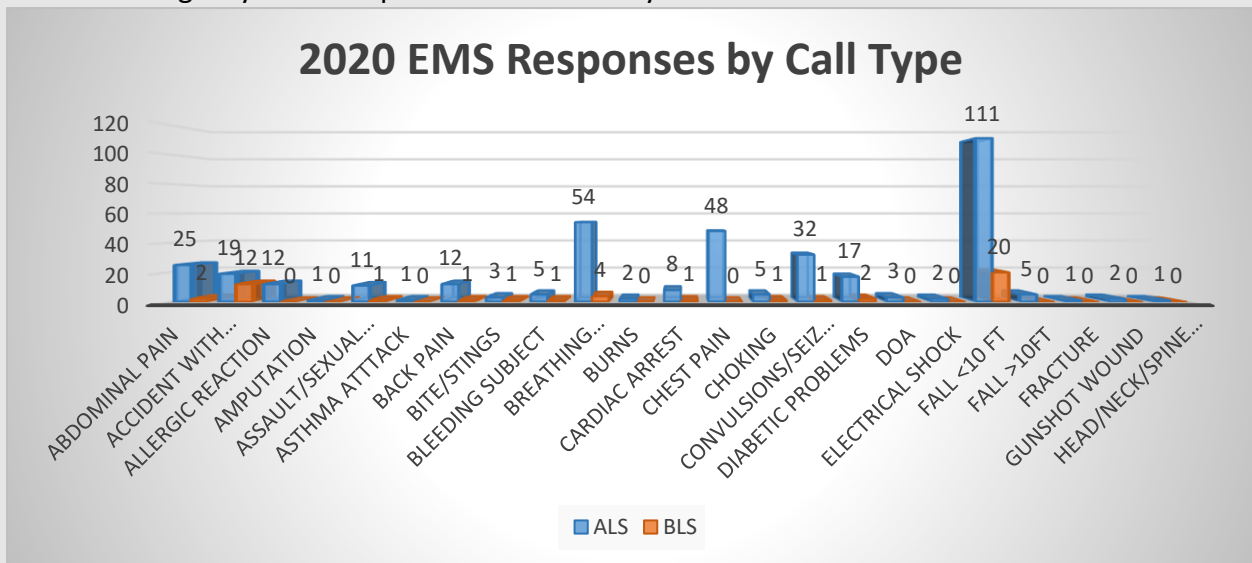




Emergency Medical Services EMS

The Warrenville Fire Protection District responded to 1,022 EMS incidents in 2020. These incidents included ambulance requests for cardiac and other medical problems, trauma, mutual-aid requests, and various other potentially life-threatening emergencies.

EMS incidents in 2020 represented 63.2% of the Warrenville Fire Protection District’s total response. All firefighters are licensed by the Illinois Department of Public Health as either an EMT-Basic or EMT-Paramedic providing advanced life support (ALS) and basic life support (BLS) emergency medical care to the citizens and visitors of Warrenville. The department is part of the Edward Hospital Emergency Medical Services System. The system ensures that paramedics are properly trained, and that victims of injury or illness are assessed, treated, and transported to local Emergency Room Departments in a timely manner.



Response Times

Fire service response is a complex system involving variables and constants. Most emergency responses begin with the discovery of an event and a 9-1-1 call to the dispatch center and end with mitigation of the event. The variables are discovery of the event, reactions of the people involved, amount of time to react, weather conditions, and traffic conditions. The constants are emergency system infrastructure and the road network.

Response times are measured from the time a tele communicator or dispatcher answers a 911 call to the time they dispatch the appropriate emergency units. This is referred to as the call processing time. Once the call is transmitted and received at the fire station until the time emergency vehicles go en route to the call is called the turnout time. From the time vehicles are on their way to the emergency until the time they arrive on scene is known as travel time. Together, call processing time, turnout time, and travel time give us what is known as total response time.

NFPA 1710, *Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments* defines specific performance standards for fire and emergency medical services response.

The Warrenville Fire Protection District endeavors to measure and meet these rigorous standards. For calendar year 2020, the Warrenville Fire Protection District indicated a turnout and travel time of 6 minutes or less 82% of the time.

The Warrenville Fire Protection District contracts with DuPage Public Safety Communications (DUCOMM) for 9-1-1 call taking and dispatching services. We are working with DUCOMM to incorporate call processing times in our response time totals as we move forward.

Turnout and Travel Times

(From time fire department receives call to first unit arrival time)

MINUTES	CALLS	PERCENTAGE
under 1	30	1.9
1	63	2.1
2	81	5.3
3	206	13.5
4	350	23
5	352	23.1
6	200	13.1



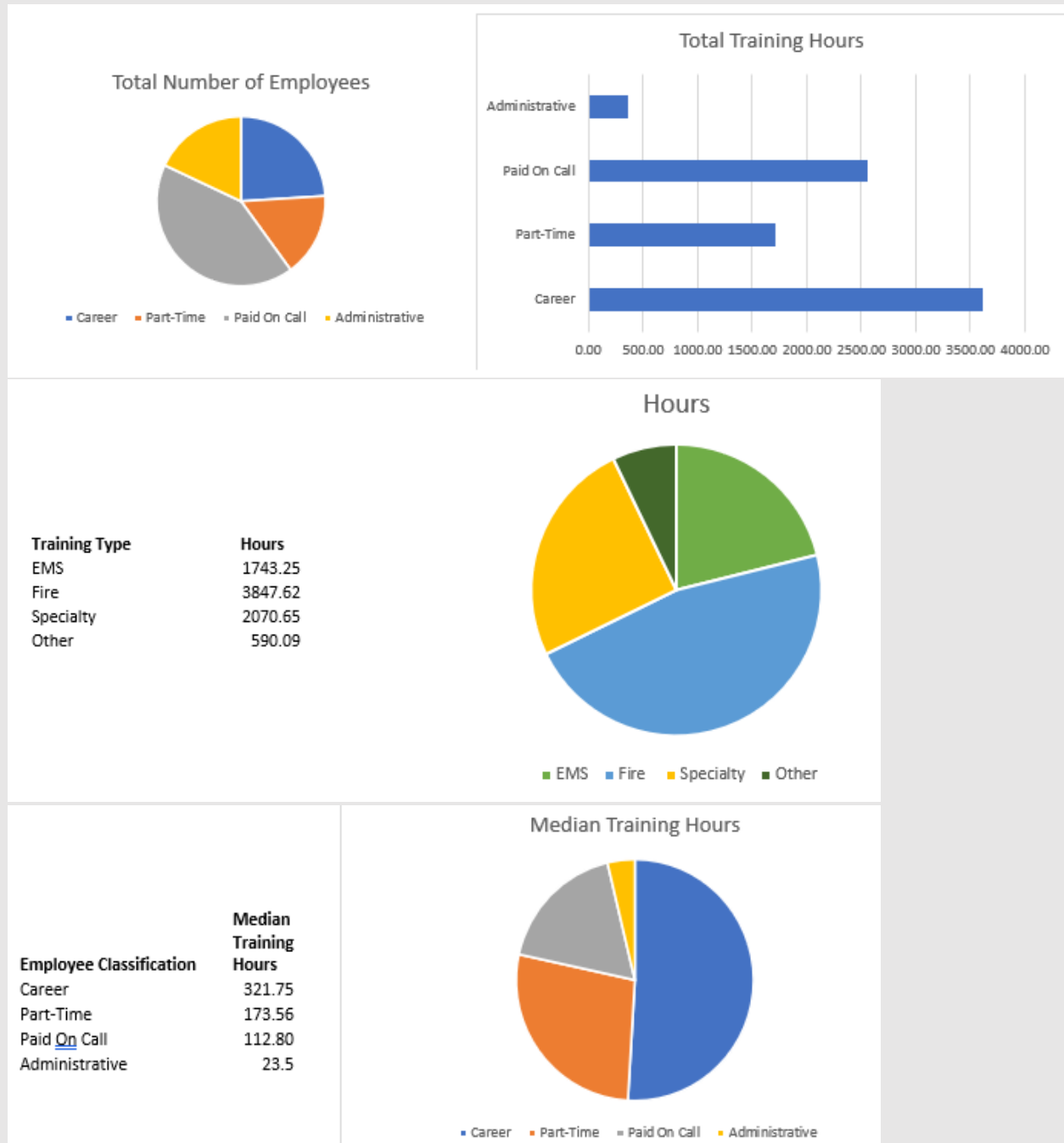
Administrative Report

- Successfully awarded the following grants
 - Illinois Public Risk Fund \$12,495.00 to purchase firefighter protective gear and personal protective equipment
 - Illinois Public Risk Fund \$2,270.00 to purchase firefighting tools and equipment
 - Illinois American Water \$1,000.00 firefighter grant to purchase water handling equipment
 - CARES Act \$116,019.64 to cover cost of personal protective equipment, sick leave, and overtime backfill as a result of COVID-19
 - FM Global Insurance grant \$2,345.00 for the purchase of technology in order to implement an electronic fire inspection program
- Completed union negotiations with Warrenville Professional Firefighters Association Local 5036 which resulted in a three year contract which expires on April 30, 2023
- Completed promotional testing for the ranks of Paid on Call Lieutenant, Career Lieutenant, and Career Captain.
- Promotions
 - Firefighter EMT Jeff Krischel to the rank of Lieutenant
 - Firefighter EMT Mia Ingram to the rank of Lieutenant
 - Firefighter EMT Nick Rossi to the rank of Lieutenant
 - Firefighter Paramedic Josh Hamman to the rank of Lieutenant
 - Lieutenant Joseph Levy to the rank of Captain
- New Hires
 - Firefighter Paramedic Frankie Wong
 - Firefighter Paramedic Brandon Fairfield
 - Firefighter Paramedic Dylan Schroeder
 - Firefighter Paramedic Sam Ruzicka
 - Firefighter Paramedic Dylan Hughes
 - Firefighter Paramedic Naim Herrera
 - Firefighter Paramedic Gilberto Villa
- Captain Joseph Levy completed the twelve month coursework required to attain the certification of Chief Fire Officer (CFO). This is the highest fire certification offered in the State of Illinois.
- Approximately \$67,000.00 was spent on staff, overtime backfill, and quarantine expenses related to COVID-19. This does not include training, personal protective equipment, and COVID-19 emergency incident response.



Training

In 2020, the district was forced to adapt its training due to the COVID-19 pandemic. This forced us to switch much of our psychomotor training, to classroom and virtual training. District personnel adapted to the changes and challenges that came with COVID-19. The below reports are based upon 12 career employees; as well as 8 part-time employees, 21 paid on call employees, and 9 administrative personnel still with the district at the end of 2020.



Technical Rescue Team TRT

Technical Rescue in the Warrenville Fire District is supported by membership that carries all the technician level certifications under the discipline of Technical Rescue (Rope Rescue, Trench Rescue, and Confined Space Rescue & Structural Collapse). Several of our members have some of the required certifications and would be valuable during an incident. The District currently does not support its own team, but works with its neighboring departments in Mutual Aid Box Alarm System (MABAS) Division 16. Division 16 is made up of members from Bolingbrook, Downers Grove, Lisle-Woodridge, and Naperville Fire Departments. Training is provided at the MABAS division level on a monthly basis with the topic rotating through the discipline and the hosting department. In 2020, the *COVID-19 Pandemic* severely reduced the training opportunities. In previous years, membership has attended an average of 40 hours of training with the division team.



The Warrenville Fire Protection District does own some basic level Technical Rescue equipment and carries the description of an “Operations Level” organization. This equipment and the personnel with Technical Rescue training will be able to make a significant difference awaiting the more specialized equipment coming from the Division 16 Technical Rescue Team. The equipment that the District owns is located on the Tower Ladder. Most of the equipment that was on the Tower prior to 2015, was purchased with the acquisition of that vehicle in 1997. Since 2015, the process of replacing the original cache of equipment has brought us to the point of upgrading and purchasing more specialized equipment.

The Illinois Office of the State Fire Marshal has made requirements to achieve certain hours of training to maintain certifications. Rope Rescue is one of those certifications and is the root of the other disciplines. The District’s training division has assisted with obtaining the required hours and exposing personnel to the subject. The training started with basic Knots and Mechanical Advantage Systems used and ended with several scenario based incidents to acclimate personnel to Command and Operations roles during an incident.



Hazardous Incident Response Team Haz-Mat

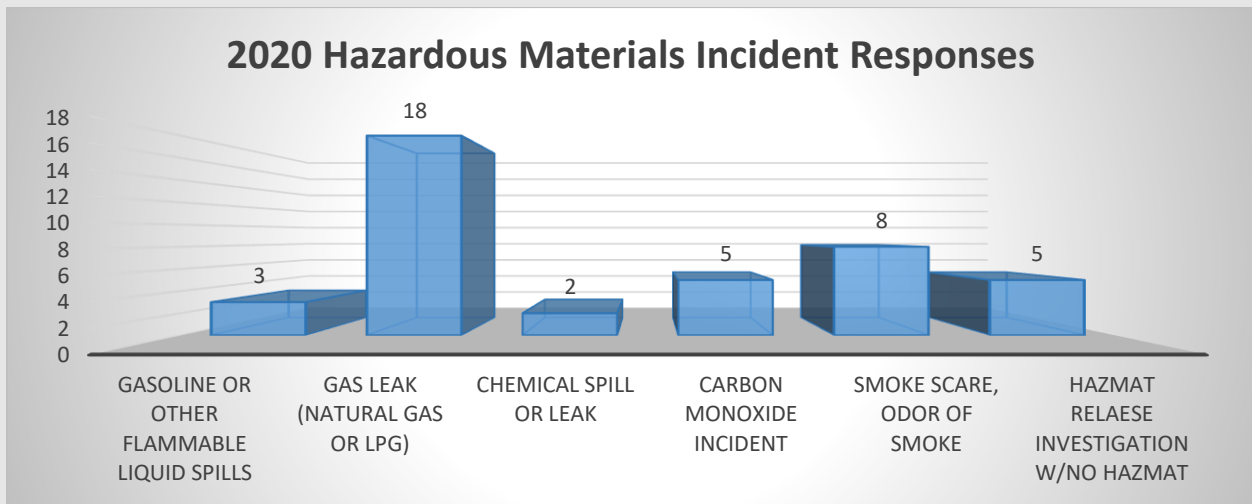
The Warrenville Fire Protection District Hazardous Incidents Response Team works with other departments within MABAS Division 16 to respond to and mitigate incidents involving chemical transportation accidents and chemical spills in business/manufacturing facilities.

Hazardous Incident Response Team members continually maintain and increase their skill level by attending classes, in-house monthly trainings, and ongoing drills with neighboring departments.



Hazardous Incident Team Highlights –

- In 2020, the Hazardous Incident Response Team added the ToxiRAE QRAE 3 multi-gas detector specifically configured to monitor for Carbon Monoxide (CO) and Hydrogen Cyanide (HCN) commonly referred to as the “toxic twins.”
 - Together, CO and HCN create a deadly chemical asphyxiant that can put fire-fighters or fire victims into cardiac arrest following a fire or cause cancer decades later.
 - Because the combination of CO and HCN is exponentially more harmful than exposure to these agents individually, measuring each gas against its single alarm threshold is insufficient for fire control operations.

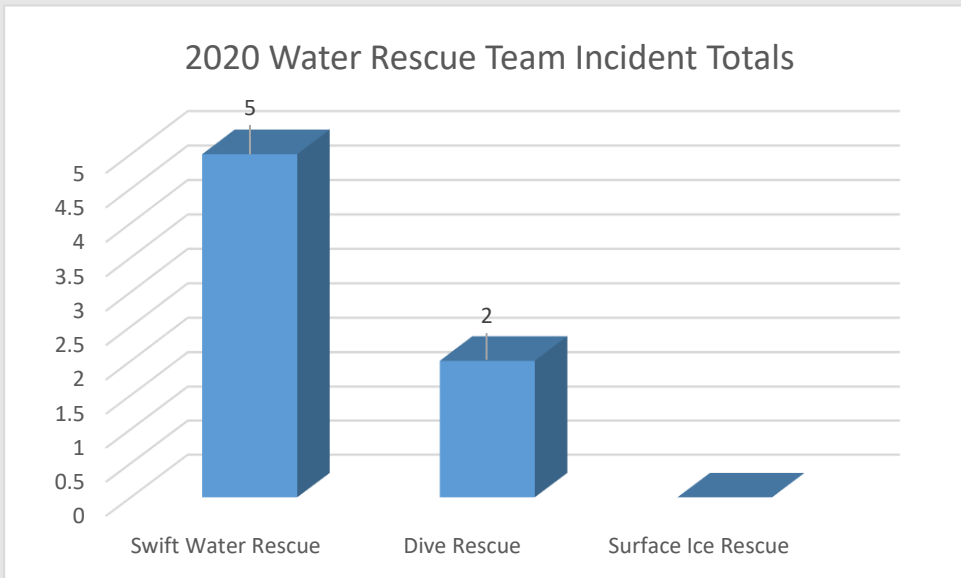


Water Rescue Team WRT

The Warrenville Fire Protection District Water Rescue Team provides an advanced service to the community during a water rescue operation. The team currently has 7 members that are highly trained in surface, sub-surface, swift/flood waters, and ice rescue.

The members of the Warrenville Fire Protection District Water Rescue Team continue to train once a month to meet the objectives needed to maintain their skills. The team trains on basic skills and patterns at the Blackwell Forest Preserve Silver Lake location with the assistance of the on-duty crew.

Our Water Rescue Team works with surrounding fire agencies as part of MABAS Division 16. Division 16 agencies include Naperville, Bolingbrook, Downers Grove, and Lisle Woodridge. In the event of a water rescue incident within the division, all of these agencies respond on the initial response to maximize a safe and efficient operation. The teams train together quarterly in all areas of water rescue, but due to the COVID-19 Pandemic only one training event was able to be held. Training together allows our teams to be more effective and collaborate our resources.



Fire Prevention

The year-end report for the Warrenville Fire Prevention Bureau for the year 2020 differs from the report filed for the year 2019 due to the COVID-19 pandemic. The Fire Prevention Bureau (FPB) consists of 4 divisions: Fire Investigations, Fire Safety Inspections, Public Education, and Plan Reviews. Each division was affected in some way due to the COVID-19 outbreak, however, Fire Inspections and Public Education were effected the greatest. Essential work continued throughout Warrenville, but the exposure to the Fire Districts employees weighed heavily as to how the essential work was to be evaluated and inspected.

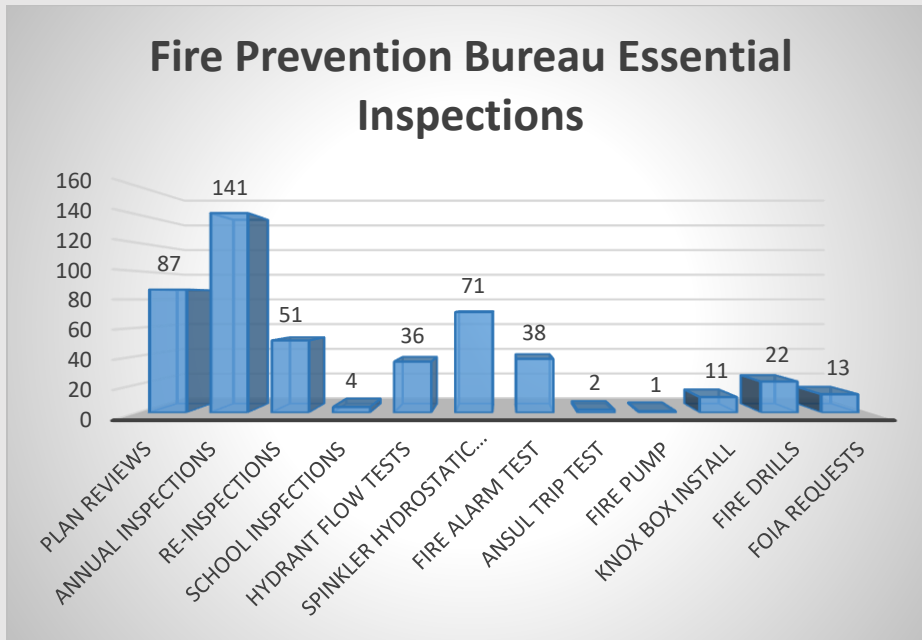


Major Projects

1. Culvers on Rte. 59
2. Thornton's on Rte. 59
3. Lexington Townhomes
4. Everton Townhomes
5. Everton Apartments
6. Arden of Warrenville Apartments
7. Warrenville Horizon Senior Living Center
8. Covington/Vanguard Apartments
9. Vintage Luxury Homes on Ferry Rd.
10. Remodel projects; Compass School
11. Edward Elmhurst, 4101 Winfield Rd. 6 story building
12. Arrowhead Golf Club Chemical Storage garage
13. 4300 Weaver Pkwy Dance Studio
14. Evolet Wine Store on Stafford Place



Essential work continued on all construction projects including Plan Reviews, Above Ceiling and Hydrostatic sprinkler system testing, Fire Alarm finals, and final walkthrough inspections.



Fire Investigations

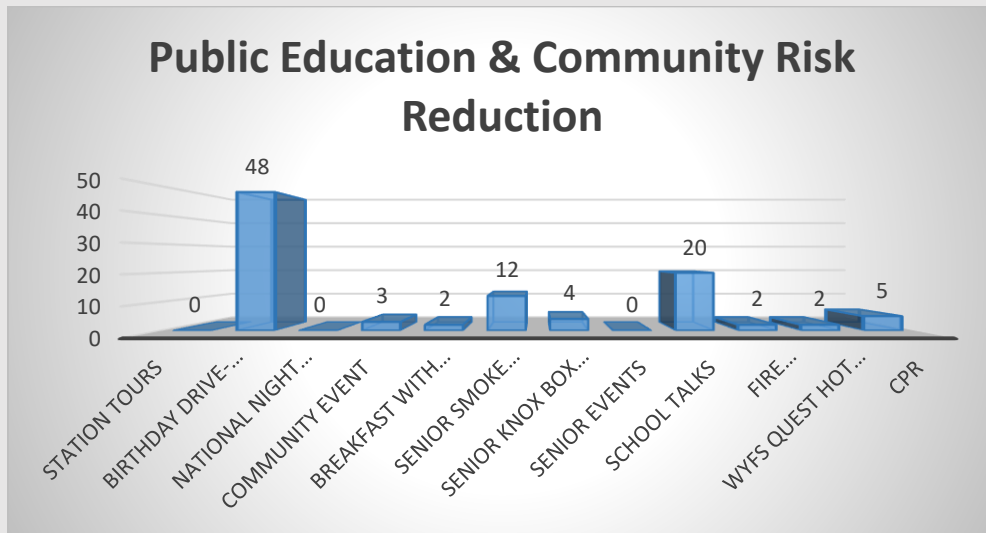
Although it was a somewhat steady year for the DuPage County Fire Investigation Task Force, Warrenville fire investigators responded to 11 fire investigation callouts including two in the Warrenville Fire Protection District boundaries. Both WFPD fires were determined to be accidental in nature.



Public Education and Community Risk Reduction

Public Education was very active during January and February with schools being in session. Our Public Education coordinator was busy as always scheduling various classroom visits and lessons. There are two grade schools (K-5), one private grade school (K-8), and four large pre-school facilities which are currently enrolled in our Public Education programs, which include NFPA Learn not to Burn. Negotiations were in the process with the Warrenville Park District preschool program, as well as Bloom preschool, to join our program, but placed on hold due to COVID-19. The Warrenville Youth and Family Services (WYFS), “hot shot program” was also in full swing, and we were busy putting together a Public Education Policy, not just for Bureau activities, but shift Pub Ed activities as well. It was during this time that the COVID-19 pandemic struck and affected the public education program. Obtaining Personal Protective Equipment (PPE) was now our priority. All efforts In March shifted to finding as much PPE as possible from local sources. We were able to approach the 5 Dental offices in the Fire District and collect much needed PPE through their generous donations.

Public Education: Total citizen contacts for the year 2020: 2,410



Cardiopulmonary Resuscitation/Automatic External Defibrillator CPR/AED

The Warrenville Fire Protection District CPR/AED instructors instructed 9 CPR/AED classes prior to the pandemic which included Fire District employees. A total of 63 CPR cards were issued.



Tactical Emergency Medical Support TEMS

The Warrenville Fire Protection District is one of only 4 Fire Departments in DuPage County that have Tactical Emergency Medical Support (TEMS) Medics Assigned to the newly formed Metro DuPage County communities for high-risk operations involving Warrant Services, Austere Environments, Active Shooters, and Barricaded Subjects with a Gun. Warrenville Fire Protection District personnel were original members of the FIAT SWAT TEAM and the DuPage County SWAT team which merged to include all of DuPage County with the exception of Naperville in 2018. Warrenville Fire Protection District members were instrumental in the merging of the two teams, and the recruitment of members from the Lombard Fire Department, Winfield Fire Protection District, and Bloomingdale Fire Protection District. This includes the implementation of SOPs and coordination with 3 other EMS Systems to develop what is now a TEMS operation covering just under a million citizens in DuPage County. The TEMS medics are the first line medical personnel operating in the “Hot zone” with SWAT operators ensuring their safety and immediate treatment to SWAT operators and shooting victims. This highly specialized type of trained



paramedics has proven to be instrumental in saving the lives of victims of incidents of mass violence. One of the top advantages of conducting TEMS operations with the SWAT team is that Warrenville TEMS Medics have the ability to share specialized training to Warrenville personnel in establishing the Rescue Task Force (RTF) operations, which is used to establish a task force of Police and Fire Personnel with ballistic personal protective equipment (PPE) and “1st in Bags” (1st aid bags with bleeding control devices and bandages) to enable them to enter the “Warm Zone” during an active shooter event similar to what was seen at the Henry Pratt Shooting in Aurora IL last year. In 2020 the Warrenville Fire Protection District was able to equip 8 members with Ballistic PPE placed strategically on our front line engines, ambulances, and shift commander vehicles. With the 2 TEMS medics and the 8 RTF equipped EMTs plus training and coordination with the Warrenville Police, Warrenville Fire Protection District personnel are well prepared for an Active Shooter Event should one occur.



Logistics



The Logistics division of the Warrenville Fire Protection District is responsible for the building maintenance and capital planning involved in maintaining the headquarters Station at 3S472 Batavia Rd. Warrenville, IL. 2020 started off with some projects initiated in 2019 and completed in 2020. The largest were 3 major improvements that worked together; The parking lot replacement, Electrical work of the parking lot lights (conversion to LED) and the installation of an upgraded emergency back-up generator that was moved outside the building. The key to this project was the coordination and cooperation between the Fire Protection District and the City of Warrenville. The other major project of the year was a 10 year projection of capital expenditures for the building broken down into a 1 to 5, 6 to 10, and 10 plus year time frame. This project is a living document that we can build on and update as we continue to look and plan for the future.



Honor Guard

Purpose of the Honor Guard: To provide, as a line of duty death benefit, dignified, honorable services for fallen fire service members and their surviving family members through organization of, and participation in, funeral and memorial services.

The Warrenville Fire Protection District Honor Guard is currently in its 3rd year of service and continues its proud tradition to Honor, Cherish, and remember the men and women of the fire service. The Warrenville Fire Protection District Honor Guard operates under the Associated Firefighters of Illinois State Honor Guard guidelines.

In addition to funeral duties, the Honor Guard is responsible for maintaining and presenting the colors of the Warrenville Fire Protection District and Warrenville Professional Firefighters Union L5036 for parades, celebrations, and memorials.

Current Warrenville Fire Protection District Honor Guard Members –

- Capt. Joseph Levy
- Lt William Zabler
- FF/PM Michael Vaughn



The Warrentville Fire Protection District has made remarkable progress this past year. We will continue to adapt to meet the changing needs of the community as we look ahead to the future. We would like to thank the residents of the Warrentville Fire Protection District for their support and the opportunity to provide emergency and life safety services to them.

