



HILLSBORO FIRE PROTECTION DISTRICT

2021 Annual Report



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FIRE CHIEF

BRIAN GAUDET

Dear Residents of the Hillsboro Fire Protection District,

It is my honor and privilege to present the 2021 Annual Report of the Hillsboro Fire Protection District. In this report you will find details of the Department's Daily activities, including all aspects of planning, prevention and response. The year of 2021 presented many challenges as do most years, but I could not be prouder of our staff for the dedication of providing emergency response during uncertain times.

Your Board of Directors continue to work hard to ensure the staff of the Hillsboro Fire Protection District has the tools and equipment to handle the job of a firefighter in 2021.

Your firefighters trained hard to prefect our craft and logged thousands of hours of training throughout the year of 2021. The Community Services Division still found ways to engage with the community and provide fire and emergency education to our residents throughout the year, even with the ongoing pandemic

The Hillsboro Fire Protection District had yet another record-breaking year responding to 1295 calls for service. Our call volume continues to increase and is up over 74% in the past 15 years. As more and more people make the decision to call Hillsboro home, we have no reason to think there will be any type of a noticeable respite in calls.

Our biggest accomplishment occurred on 2/1/2021 when the 6 new hires started their careers with the Hillsboro Fire Protection District. These positions are funded through 1/31/2024 and we will continue to fight to make their jobs permanent. There are now 4 firefighters on duty 24/7/365. You are safer and our firefighters are safer.

The future is bright for the Hillsboro Fire Protection District and we strive everyday to ensure you receive the very best service possible.

We hope you find this report educational and informative. As always, my office door is always open for questions or concerns regarding the Hillsboro Fire Protection District.

Yours in Service,

Brian Gaudet

Fire Chief

Brian Gaudet

MISSION

Our mission at the Hillsboro Fire Protection District is to provide emergency services and fire prevention education to the citizens we serve. Our mission shall be accomplished through the use of a pro-active force of firefighters that are trained in fire suppression, rescue, emergency medical care, and education.

VISION

The Members of the Hillsboro Fire Protection District will:

- Strive to be role models in the community and leaders in our profession.
- We will be accountable to those we serve, each other and any fire service organizations we interact with.
- We are committed to providing the best public service through innovative training, education and equipment.
- We will take the fire department into the future through productive teamwork, open and honest communications and participative decision making throughout our organization.
- We are committed to our values, mission, and dedicated to our fire service profession.
- Our organization is driven to provide a cost effective and efficient fire department while honoring our values, accomplishing our mission and achieving our goals.

CORE VALUES

Honesty, Integrity, Teamwork, Commitment to
Excellence, Knowledge and Respect

HILLSBORO FIRE DISTRICT

DEMOGRAPHICS

The Hillsboro Fire Protection District (HFPD) is located in the City of Hillsboro in Jefferson County Missouri, which is located 29 mi. south of St. Louis. Our first due response area is 44 sq. miles. We have large areas of open undeveloped land, large, wooded areas, scenic lakes, large educational complexes, residential areas, and government buildings. Our first due population is approximately 16834. We also have written/automatic mutual aid agreements with all 16 Fire Departments in our county increasing our response area to 664 sq. miles and a population of 220,209. We are a 24/7/365 combination fire district, comprised of 14 full time members and 20 volunteer members. Our 14 fulltime FFs are certified at NFPA1001 levels of FF1 & FF2 and as EMTs.

We have 14 volunteers FFs certified at FF1 & II and the remaining balance of our volunteers are currently in those training classes. The HFPD requires all new members to be certified to NFPA1001 FF1 & FF2 levels by the end of their first year. Our district is compliant with all current mandated NIMS requirements. We provide all fire suppression, technical rescue, hazmat, water rescue, non-transport BLS medical assistance, fire prevention programs, commercial building inspections, and public assistance.

STATIONS AND EQUIPMENT

Station 1

120 5th St
Hillsboro, MO 63050

2020 Pumper 1500gpm/1000gal.
2016 Tanker 1000gpm/3000gal.
2017 4x4 brush truck 220gpm/250gal.
2019 4x4 command vehicle
2022 4x4 command vehicle
2013 4x4 utility vehicle
2020 Polaris UTV
Heavy Rescue/Collapse Trailer

Station 2

5750 State Rd. B
Hillsboro, MO 63050

2004 Pumper 1250gpm/1000gal. 2001
Tanker 1250gpm/1000gal
1995 4x4 brush truck 100gpm/300gal.



Response Area Hazards

The Hillsboro Fire Protection District has responsibilities for the following Critical Infrastructure in our first due area:

- 2- large Ameren UE Electrical Substations
- AT&T Battery Building 1,095 gals. Sulfuric acid & 11,628 lbs. of lead stored at this facility.
- NG regulator and boosting pumping station Propane Distribution Center 30,000 gals. propane storage
- 1 radio tower that is 1301' tall
- County 911 Communications Tower - 490'
- 1 Adult correctional facilities housing 355 inmates and staff
- 2 Juvenile correctional facilities housing 60 inmates and staff.
- Missouri DNR Chemical Drop Facility/Chemical Storage - housing numerous chemicals used in the manufacture of methamphetamine (Eastern Missouri Storage Center) all chemicals seized from meth labs for the eastern half of Missouri are stored here.
- Jefferson County Court House and numerous other government buildings on the State and Local levels
- Jefferson College with approximately 3000 students
- Hillsboro School District with numerous school buildings and 3400 students
- State Rt. 21 a 4-lane highway with large amounts of truck traffic and hazmat traffic
- Numerous residential subdivisions
- Several miles of the Big River
- Several large Lakes and Lake Communities
- Thousands of Acres of Wild-land Urban Interface

- The Hillsboro Fire Protection District placed in service it's newest pumper, a 2020 Sutphen in February of 2021.
- On 2/1/2021, 6 new full time firefighters started with the Hillsboro Fire Protection District. These Firefighters were paid for through a grant for 3 years from FEMA.
- The Hillsboro Fire Protection District officially began manning Hillsboro Station 2, 24/7/365 on 2/14/2021
- In March of 2021, the Hillsboro Fire Protection District started it's part time firefighter program and hired several part time firefighters to help fill shifts
- In the summer of 2021, the Hillsboro Fire Protection District increased its service to the community by placing a Heavy Rescue Trailer in service.
- In September of 2021 the Hillsboro Fire District purchased a new staff vehicle as part of our capital replacement plan
- In December of 2021 the Hillsboro Fire District placed new battery operated extrication tools in service as part of capital replacement plan. These tools replaced old outdated extrication tools that were near the end of their live span.



2021 GRANTS RECEIVED

The Hillsboro Fire Protection District as always continued to apply for any grant that we could. We unfortunately were turned down for a grant to replace all of our fire hose which is extremely old and in dire shape. We were however excited to be awarded two grants from the Jefferson Foundation in 2021! The Jefferson Foundation continues to support their mission of the health and safety of all residents of Jefferson County by awarding grants to various organizations who can help benefit all of the county.

Jefferson Foundation: June of 2021. The Hillsboro Fire District applied for and received a grant in the amount of \$10,000.00 for new thermal imaging cameras which help firefighters see through smoke using infrared technology and gas detector to help firefighters detect poisonous gas and explosive fumes.

Jefferson Foundation: November of 2021. The Hillsboro Fire District applied for and received a grant in the amount of \$15,867.20 to purchase a LUCUS CPR device. This device provides automatic CPR to a patient in sudden cardiac arrests and increases survivability for patients in sudden cardiac arrests.

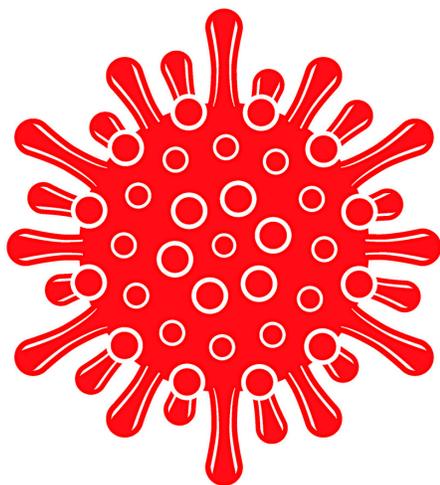
Operations Division Overview

The Operations Division is the largest division within the Hillsboro Fire Protection District. The Operations Division is led by Deputy Chief Jason Darian. The Operations Division is tasked with delivering all emergency services to our citizens. Captains and Lieutenants also help oversee the Operations Divisions and carry out emergency service delivery. Some types of calls the Operations Division handles are structure fires, wildland fires, car fires, motor vehicle accidents, water rescues, technical rescues, EMS calls and any other type of emergency you can imagine. The men and women of the Hillsboro Fire Protection District have truly evolved from firefighters to All Hazard Responders who have to be well versed in all types of emergencies. To carry out the delivery of emergency services, the Hillsboro Fire Protection District operates 2 pumpers, 2 tankers, 2 brush trucks, a UTV, an inflatable boat, a jet boat, a heavy rescue trailer and a utility pick up truck. The district has state of the art tools and technology to help handle your emergency.



Alarm Statistic Overview

For the year of 2021, The Hillsboro Fire Protection District responded to 1295 calls for service compared to 1022 calls in 2020. 55.37% of our calls were for lift threatening medical emergencies. There were 91 motor vehicle accidents which accounted for 8.26% of our call volume. The Hillsboro Fire Protection District ran 119 fires which include brush fires, structure fires, vehicle fires and other types of fires. 119 fires accounts for 9.19% of our call volume. 59 of those fires were building fires with the balance being vehicle fires, brush fires, and other types of fires. Comparing 2020 to 2021 there was a slight decrease in the number of fires the Hillsboro Fire Protection District responded to. Our busiest months of 2021 were December with 124 calls, October with 123 calls, and June with 119 calls for the month. Our busiest days for calls in 2021 were December 15th, 2021 with 12 calls, April 3rd, 2021 with 10 calls, July 25th, 2021 with 10 calls, and October 14th with 10 calls. We had a tie for the busiest day of the week with Thursday and Friday at 196 calls or 15.14% of our total calls. Our busiest time of the day is between the hours of 4pm and 6pm with 183 of our total calls happening between those hours or 14.13% of our calls. Our slowest hours of the day are between 5am and 7am with 37 calls happening between those hours or 2.86%.



COVID-19

CORONAVIRUS

2021 was yet another challenging year with the ongoing COVID-19 pandemic. The winter months of 2021 were plagued with the Delta variant. We responded to a lot of sick people in 2021.

Our staff suffered as well too throughout 2021 with multiple cases of COVID-19 that made its way through our department. We were lucky that no one at the Hillsboro Fire Protection District became extremely ill. Some of our neighboring departments were so luck as we mourned the loss of several member from our neighboring departments

Our operational approach to handling everyday emergencies continued to be different. We had to ensure we kept our staff safe and healthy so we could continue providing exceptional emergency services. Along with keeping our staff safe, we wanted to ensure we were protecting our citizens also by not spreading the virus to them. We quickly learned that proper Personal Protective Equipment became the way we could keep our staff and our citizens safe.

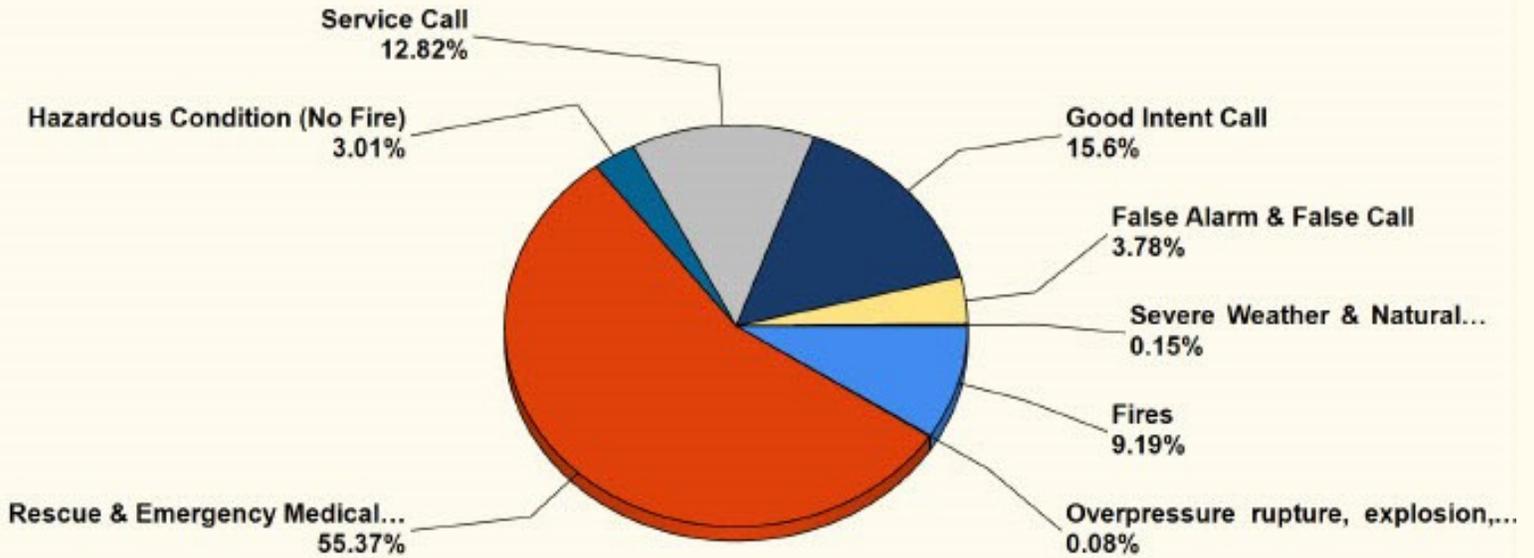
By the winter of 2021 a new more virulent mutation of COVID-19 ravaged through our community and staff members. It was during the November, December and into early 2022 that we experienced some of our highest call volume related to COVID-19 patients.

We continued to adjust our internal practices to ensure we could maintain an acceptable staffing level. We limited the number of staff together at one time to ensure we did not spread anything to each other. We became masters of Zoom meetings and trainings. Our staff continued to train throughout the entire pandemic to ensure we continued to master our skills.

Public Relations events changed, but we did get a little more normalcy back in 2021. We were able to attend school events again and interact with the public. CPR Training resumed.

While the pandemic is still very prevalent in our world today, we are extremely hopeful that 2022 brings a return to normal. We learned a lot of very valuable lessons over the past 2 years that we can pass on to future generations of emergency responders. We again thank everyone for your support over the past year.

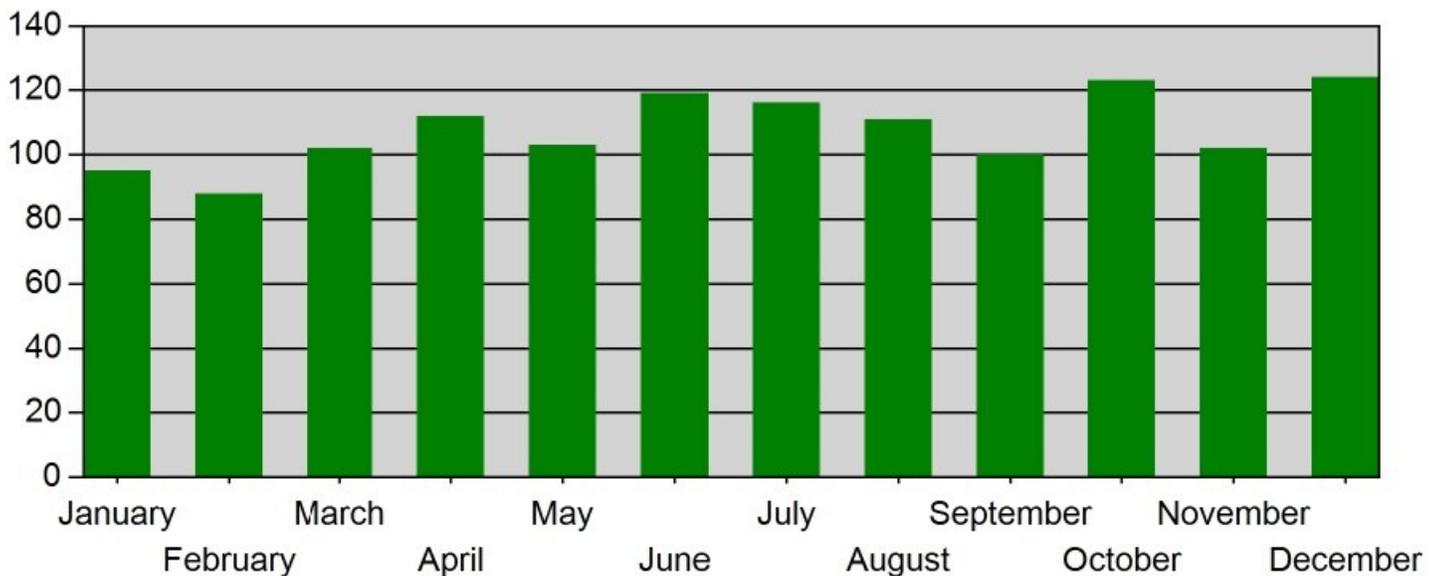
BREAK DOWN BY MAJOR INCIDENT TYPE



Total : 1295

INCIDENTS PER MONTH

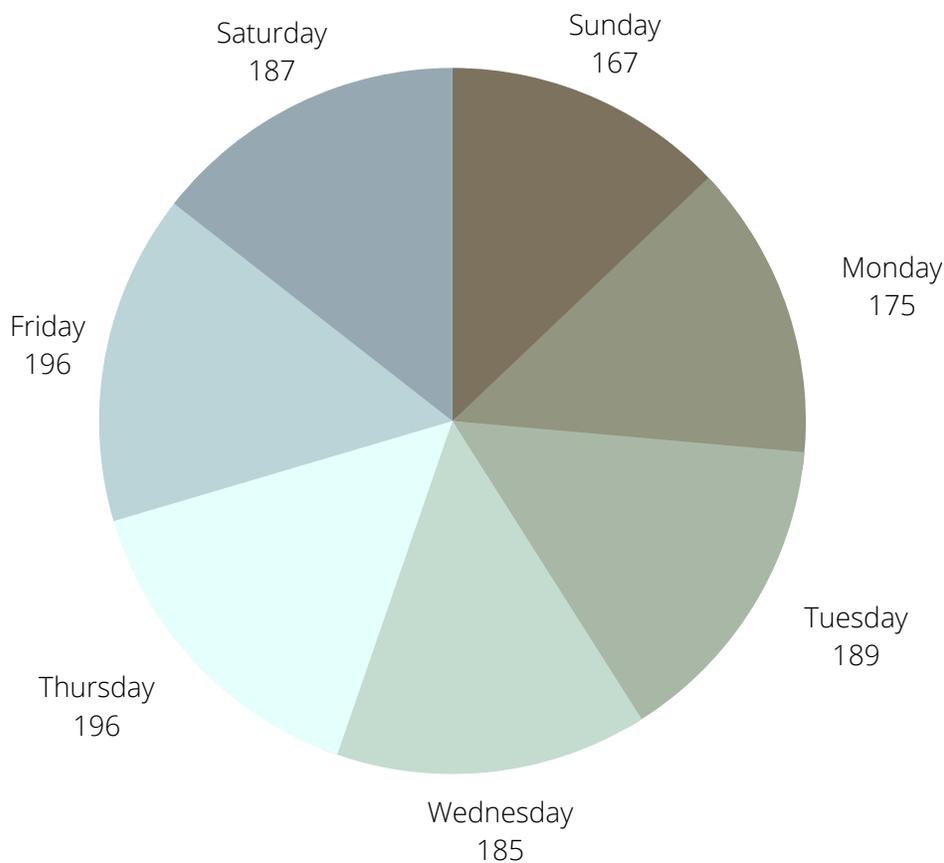
Below you can see a break down of total calls for service per month.



Incident Count by Weekday and Hour

Hour

HOUR	# of CALLS
00:00 - 00:59	28
01:00 - 01:59	23
02:00 - 02:59	34
03:00 - 03:59	19
04:00 - 04:59	26
05:00 - 05:59	17
06:00 - 06:59	20
07:00 - 07:59	33
08:00 - 08:59	58
09:00 - 09:59	61
10:00 - 10:59	61
11:00 - 11:59	65
12:00 - 12:59	66
13:00 - 13:59	81
14:00 - 14:59	91
15:00 - 15:59	75
16:00 - 16:59	92
17:00 - 17:59	91
18:00 - 18:59	72
19:00 - 19:59	75
20:00 - 20:59	80
21:00 - 21:59	57
22:00 - 22:59	46
23:00 - 23:59	24



Weekday

NEW EQUIPMENT

6559

This double axel trailer is used by the fire district for technical rescues. It can haul enough timber and tools to start working on a trench collapse or building collapse to any agency needing it.



6500

2022 Ford F-250 Command Vehicle. The vehicle is used by the Fire Chief and can be used to haul district equipment. It is equipped with a full complement of EMS equipment, an AED, a fire extinguisher, multiple radios to handle incident command functions. This vehicle was replaced as part of our capital replacement plan



HOLMATRO EXTRICATION TOOLS

The Hillsboro Fire District took delivery of new battery operated tools for use when someone is trapped in a vehicle. These tools were purchased as part of our capital replacement plan.

Training in 2021 was yet another challenge that Hillsboro Fire faced with the pandemic but things normalized. Training is ingrained in the fire service and as the Hillsboro Fire Protection District is an all hazards response agency there is no shortage of emergencies we must prepare for. In the fire service training is essential for the lives of our citizens and our own. During the height of the pandemic we switched to virtual training through multiple online resources. Once the CDC Guidelines changed we changed how we train together by limiting numbers and training three days a week to ensure all crews are training the same, while still maintaining a safe and healthy environment. The tax payers should take comfort in knowing no matter the circumstance, their firefighters continue to strive to provide the very best service available.

Even with the challenges, crews had a record number of training hours in 2021! Your firefighters continue to train hard for every type of emergency.



TRAINING



4278

Combined total training hours for all personnel at Hillsboro Fire Protection District.

COMMUNITY OUTREACH



The Community Outreach Division started out the year of 2021 strong by participating in great programs such as the #LikeAGirl program with the intermediate school. We participated in the Hillsboro R-3 School Districts summer school, by setting up a First Responder Day with the Jefferson County Sheriff's Department as well as the Valle Ambulance District setting up our safe house, and showing off all the different first responder apparatus



Throughout 2021 and the hiring of our 6 new full timers and the many training hours, Hillsboro Fire continued to assist our local businesses such as daycares that are required to maintain their CPR certifications, certifying 142 community members. We collected 106 units of blood for the Red Cross in total for 2021. That equals to 318 potential lives saved.



Every year, the month of October is Fire Safety Education Month and every year, our firefighters visit the schools and daycares to share the importance of fire safety with the children. 2021 we were finally able to visit the schools and daycares again, while still maintaining social distance to teach the children about fire safety.

The Fire Prevention Division is tasked with ensuring our commercial buildings meet the intent of the 2015 International Fire Code. The Fire Prevention Divisions goal is to prevent fire deaths through proactive fire code enforcement prior to a fire happening. The Fire Prevention Division issues permits for all commercial construction projects within the jurisdiction of the Hillsboro Fire Protection District. The Hillsboro Fire Protection District also issues an operational permit for all Firework Retail Stands.

2021 Permits Issued

Building Permits – 17
Firework Stands – 3

Inspections Performed

Total Inspections Performed – 100
Violations Found – 40
Violations Corrected – 40

The Fire Prevention Division also ensures all our K-12 Schools are inspected annually and Jefferson College is inspected annually. All daycares within the Hillsboro Fire Protection District are inspected annually as well. We commend all our educational facilities to their commitment to fire safety!



The Fire Prevention Division also tracks fire losses for the year within the jurisdiction of the Hillsboro Fire Protection District. Fire losses are as follows:

Pre-Incident Values

\$3,331,481.00

Property vs. Content Loss

Total Property Lost: \$919,840.00

Total Contents Lost: \$664,870.00

Total Fire Loss 2020: \$1,746,771.00

Property and Contents Saved

\$1,746,771.00

**2021 FIRE LOSS
AND
CAUSALITY
REPORT**

Causality Report 2021

Civilian Fire Injuries: 0

Civilian Fire Deaths: 1

Line of Duty Firefighter Injuries: 0

Line of Duty Firefighter Deaths: 0

One citizen lost their life in the jurisdiction of Hillsboro Fire Protection District due do being severely burned from a fire in June of 2021. The fire was accidental.

As of December 31st, 2021, the Hillsboro Fire Protection District has 20 dedicated volunteer firefighters and 2 junior firefighters. Our volunteers range from 6 months to 20+ years of service with Hillsboro Fire. 2021 was a challenging year, but our volunteers were able to pull together for our community and overcome all the challenges we have faced. We would like to congratulate three of our volunteers as they have moved into career firefighting roles with Hillsboro Fire as of February 2021. We would also like to give a huge thank you to our volunteer staff. Your commitment and dedication to Hillsboro Fire Protection District and the community is much appreciated.

