



Madeira and Indian Hill Joint Fire District

2020 ANNUAL REPORT

MADEIRA STATION 65

MISSION STATEMENT

The mission of the Madeira & Indian Hill Fire District is to deliver to the citizens we protect the highest level of fire and emergency medical services, which will make a positive difference in the outcome of an emergency.



Madeira and Indian Hill Joint Fire District

Stephen C. Oughterson
CHIEF

Francisco Caceres
CAPTAIN

John Lynch
CAPTAIN

Kevin Scheuerman
LIEUTENANT

Patrick McCall
LIEUTENANT

Brandon Linne
LIEUTENANT

TRUSTEES

Beth Wright
PRESIDENT

Jeff Evans
VICE PRESIDENT

John Hassan
SECRETARY

Jim Gulick
TREASURER

David Ellis

William Higgins

Jennifer Lightcap

Dave Parlin

Sam Robinson

Joe Weil

Scott Gehring

Don McGraw

March 1, 2021

Board of Trustees
Madeira & Indian Hill Joint Fire District
Mrs. Beth Wright

As we close the historic year that was 2020, I present the Madeira & Indian Hill Joint Fire District 2020 Annual Report to the Board of Trustees. To say that the year has been challenging for everyone in this community would be an understatement. It most certainly has been a challenging year. A global pandemic has changed the way we live our daily lives as well as affect the administration and operations of the fire district. The Annual Report will highlight those changes and challenges of 2020.

This year was my first complete year as Fire Chief for the Joint Fire District and with the support of the Board of Trustees, our firefighters and the community, I believe we met all of the challenges presented to us. We added three new career personnel after completing a vigorous selection process and all of those personnel are progressing well toward the end of their probationary period. We completed the year under budget, we received several donations as well as unexpected COVID Relief funding from government agencies such as Bureau of Worker's Compensation.

Our employees experienced COVID-19 both personally and professionally as many members were infected; however, all cases were fairly mild. In the beginning of the pandemic, we feared that many members would be infected at the same time, effecting our daily staffing. However, we did not see that scenario play out and sick time was isolated.

The annual report will highlight all of our programs for 2020 to include a look inside the year regarding the administration and operations during the global pandemic. The report also details how our firefighters spent the year in the community in a proactive and preventative way as well as our reactions to incidents in our district and surrounding cities.

Respectfully,

Stephen C. Oughterson
Fire Chief

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Organizational Chart

Stephen Oughterson
FIRE CHIEF

Francisco Caceres
CAPTAIN

John Lynch
CAPTAIN

Kevin Scheuerman
LIEUTENANT

Patrick McCall
LIEUTENANT

Brandon Linne
LIEUTENANT

Nick Stiens
FF/P—AIC

Toney Sanders
FF/P—AIC

Michael Posega
FF/P—AIC

Brian Dapper
FF/P

Brian Willing
FF/P

Doug Bingaman
FF/P

Joseph Meyer
FF/P

Michael Hoying
FF/P

Sean McCarthy
FF/P

Griffin Drake
FF/P

Taylor Hester
FF/P

Kurtis Mahan
FF/P

Devin Moore
FF/P

Alex Brahm
FF/P

Joseph Placke
FF/P

Tyler Lang
FF/P

Alexander Stubbs
FF/P

Scott Otten
FF/P

Carrie Cayse
Dennis Parry
Mark Landesman
Kaitlyn Uhrig

Mark Feldmann
Matt Stickley
Ty Zimmerman
Jeff Ashpaw

Jeff Glassmeyer
Ben Rood
Zakk Van Nottingham



Personnel

As a result of the many challenges in the employment environment and the communities commitment to safety, we have converted an additional three positions from part-time to career in 2020. The increase in career staffing has had a positive effect on increasing daily staffing and strengthened our abilities to serve the cities.

2020 New Career Personnel



Tyler Lang

Tyler Lang joins Unit 1 after working as a career firefighter/paramedic with Colerain Township. Prior to his service in Colerain Twp. Tyler worked for us part-time.



Alexander Stubbs

Alex Stubbs finished a six year career in the Air Force in Texas prior to joining our career staff on Unit 2. He and his family moved to the Cincinnati area to work at MIHJFD.



Scott Otten

Scott Otten comes to MIHJFD Unit 3 from the Hamilton Fire Department where he worked for five years. He brings nine years of Fire Service experience.

These hires are all progressing through their probationary period and are expected to be off probationary status in March, 2021. These hires have contributed to an overall increase in daily staffing,. The average was 7.5 personnel for the year. Part-time staffing continues to be a challenge, but despite a relatively low number of part-time personnel, we increased part-time hours from 8,653 in 2019 to 9,725 hours worked in 2020. We will continue to support both career and part-time positions as long as the market allows for it.

2020 Part-time New Personnel

Kaitlyn Uhrig
Matthew Stickle
Ty Zimmerman

2020 Resignations

Dan Sanders
David Mohr
Greg Lang

2020 Years of Service Awards

10 Years	Capt. John Lynch
20 Years	Capt. Francisco Caceres

IAFF Local 2236

Fundraising and giving back to the community are regular tasks for the firefighter's union. The Local is comprised of Career firefighters and Lieutenants covered in the collective bargaining unit. Despite the cancellation of many charitable events in which the Local usually participates, they found a way to give back to the community. Just prior to the shutdown from COVID-19, the Local donated \$5,000 to the MDA from proceeds from their highly successful bowling tournament. Members also participated in the Free Throw for Kids project and donated \$500 and a hilarious video towards that cause.



Health and Wellness

Health and Wellness focused on keeping our fire department staff healthy despite a global pandemic. We were relatively fortunate, no employees reported major illness due to COVID. We provided all our firefighters the wellness physicals. TriHealth partnered with the fire department and provided extensive physicals to all Career members. The physicals will be completed annually and they are specially designed for firefighters. The physicals will track their health over the course of their career to provide early warning of major health issues for firefighters, such as heart disease and cancer.

The Fire Department Family

In 2019, we were able to continue traditions such as the Breakfast with Santa and the Holiday Party and even start new fire department family traditions such as the Retiree Lunch and the Family Picnic. However, 2020 was a much different year and to keep each other safe and healthy, many of these events were cancelled. Due to the thoughtfulness of the Board of Trustees, the fire department modified the Breakfast with Santa to include the Drive-Thru with Santa.

Families were scheduled a time where the kids got a picture with Santa and each family was given a small gift, a token for their hard work. Trustee Jennifer Lightcap worked with Santa and his helpers to make this event a success.





Budget

The fire district completed the year under budget for 2020 by approximately 2.4%. As in year's past, personnel costs account for the majority of our expenses, 81% in 2020.

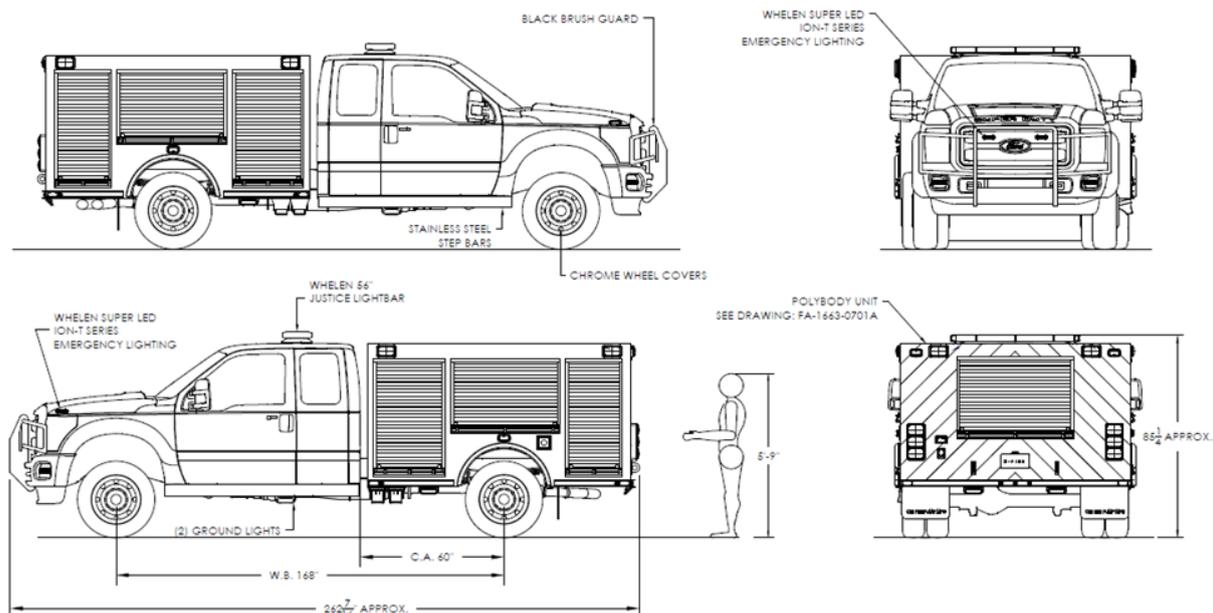
We converted three part-time positions to career positions as the second part of a three-year plan to improve average daily staffing. For 2020, the average daily staffing was 7.5 personnel per day. The conversion from part-time to career is necessary due to the current employment environment and the difficulties with consistency with the part-time system. The bargaining unit employees, administrative and part-time personnel received 3% raises in 2020. The fire district receives money from both cities as dictated by contract and approval from city councils from Madeira and Indian Hill. The process is simplified by our contract with the cities which states that the budget request from the district is split 50/50. Capital expenditures for 2020 were financed by annual contributions from the cities to total \$175,000. The capital budget pays for firefighting equipment, apparatus and other major projects. We forecast capital purchases for at least 10 years in the future.

2020 Capital Purchases

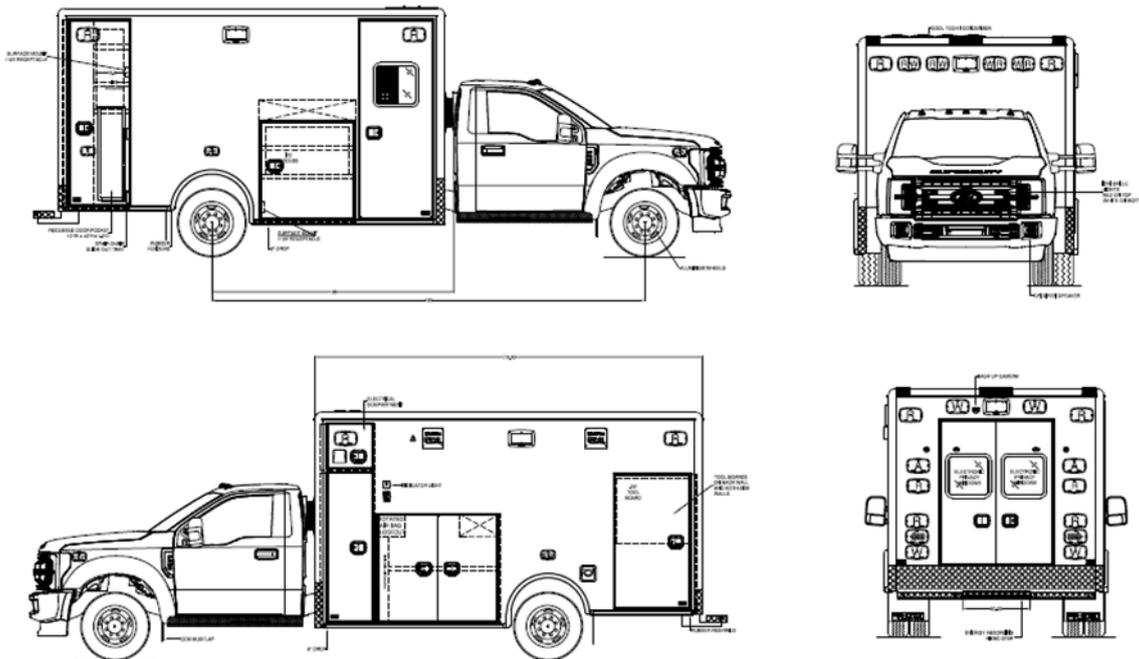
In 2020, we purchased two custom apparatus including a new support unit and a new medic unit. The support unit will replace the 2004 Ford F250. This unit will be stationed at the Madeira Station and will support or chase the medic unit and has more equipment than the current support unit has. The pickup truck had a basic EMS bag and an AED, but lacked room for fire gear, SCBA and other more specialized equipment. The unit was ordered through Vogelpohl Fire Equipment in July of 2020. The new support is a Ford F450 4x4 chasis with a custom rescue body built by CET in Canada. The chassis is powered by a gasoline engine, which we believe will be more economical as opposed to a diesel engine. The truck makes short trips, doesn't haul a heavy payload and should be easier to maintain than its diesel counterpart. Delivery of the truck is expected to be in March, 2021.

2020 Budget

\$4,125,330



We also ordered a 2020 Ford F550 4x4 Horton Medic Unit in August, 2020. Like the support unit, the truck was ordered on a Ford chassis with a gasoline engine. Most of the trips this vehicle makes are to Jewish Hospital and Bethesda North Hospital, just a few miles from anywhere in our district. We believe that this unit will be more economical than a diesel engine especially considering cost differences between diesel and gas engines and emission equipment that is required on diesel trucks. The unit is scheduled to be delivered in June, 2021 from Horton Emergency Vehicles in Columbus, Ohio. Horton is the largest manufacturer of ambulances in North America.



EMS BILLING

2018

Service Level	Total Runs
BLS	364
ALS	328
ALS 2	8
TOTAL	700
Revenue	\$257,025.80
Avg. \$367.18 / Transport	

2019

Service Level	Total Runs
BLS	366
ALS	336
ALS 2	5
TOTAL	707
Revenue	\$230,648.34
Avg. \$326.24 / Transport	

2020

Service Level	Total Runs
BLS	359
ALS	277
ALS 2	6
TOTAL	642
Revenue	\$225,747.46
Avg. \$351.63 / Transport	



COVID – 19



Fire Department administration and operations changed significantly due to the COVID-19 Pandemic. The fire / EMS service in our region has planned for and experienced pandemics such as the H1N1 Virus in the past, but nothing compares to the planning, preparation, training and response to this global pandemic. Our personnel have accepted the challenges that we've faced this year and I believe we have met or exceeded expectations during these unprecedented times. As a new Fire Chief, I couldn't be more proud of our personnel, the cooperation among our local fire departments, hospital staff, the nursing home staff and administration and most of all, the support we have received from our communities.

The fire district began the year by observing the outbreak of COVID-19 and began planning as more and more pressure was felt in early March. When the first directives from Governor DeWine were conveyed on March 13, we instituted operational and administrative changes that changed the way we do business. Since that day, we have operated under the Incident Action Plan (IAP) COVID-19. This multipage document guides us through daily operations to include the following: COVID-19 Patient treatment and transport guidelines, Decon Procedures, Employee Testing Procedures, Social Distance / Personal Hygiene Procedures, Personal Protective Equipment, Incident Objectives and Current COVID-19 Statistics / Information.

The IAP is used in large scale incidents and was created by FEMA, Federal Emergency Management Agency. This framework was developed out of Incident Command System after a series of large wildfires in California in the 1970's. The IAP is our battle plan and was created through cooperation with other area fire departments so that each department operates similarly during

this pandemic. Similarly, Hamilton County and the State of Ohio issued IAPs throughout the year and we updated our plan to coincide with theirs. For example, Hamilton County issued 108 Situation Reports to keep local jurisdictions in touch with the latest information and resources relating to COVID-19.

Incident Action Plan for			
COVID19 MIHJFD			
Operational Period			
Date From:	6/23/20	Date To:	7/31/20
Time From:	8:00	Time To:	8:00

Our state, region and fire department has not experienced the anticipated overburden that was feared earlier in year. Run volumes in March through June seemed low but were on-par with previous years. Once Public Health Orders began reopening Ohio, we saw larger call volumes including record number of calls in July and August. The increase in run volume cannot be directly tied to the pandemic or symptoms of COVID-19 in comparison to year's past; nonetheless, run volume was up for those two months and stayed high through the end of the year. November and December were record months for EMS runs in the department history. However, as stated earlier, a direct correlation between COVID patients and run volume couldn't be proven as nursing home facilities filled, including the new facility, Traditions At Camargo.



Due to COVID-19, many of our daily activities were postponed or cancelled including fire prevention education classes, CPR classes, Car Seat Inspections / Installations, Fire and Life Safety Fire Inspections and even impromptu tours of the fire station. As we adjust to the prevention measures needed to keep our community healthy, we have begun to reopen some of these activities including Car Seat Installations and a modified Fire and Life Safety Inspection Program. Fire and Life Safety Inspections, normally completed annually for every business in the district, conducted by our fire inspectors, were temporarily suspended until the summer. During the summer, we prioritized our inspectable properties by life safety risk and sent Self Inspection Forms to all of our low risk occupancies. Low risk occupancies include office buildings, banks, small stores and businesses. High risk occupancies include restaurants, schools, and other places of assembly. By the end of the year, we received a high amount of return from the self-inspections and completed all the high risk occupancies.

Tent permits were issued throughout the year at a decreased volume than in year's past; however, I noticed a direct correlation between COVID-19 and tent permits due to restrictions placed on public gatherings.



Training

As with most MIHJFD programs, training was also affected by the pandemic. In 2020, the department participated in a total of 2285 training hours. This is a reduction of 621 hours from 2019.

To maintain the safety of our firefighters during the pandemic, we limited contact between the two stations. While inside, we tried to stay in different areas of the firehouse to minimize contact and prevent the spread of the virus. This limited interaction provided challenges to do hands-on and classroom trainings. During this time when in-person training was not optimal, online tools and training programs became important assets. We utilized FireRescue1 to provide 593 hours of online training, which is an increase from 503 hours from 2019. These hours are, for the most part, hours that we issue Continuing Education Credits required by the State of Ohio to maintain our certifications, including Firefighter II, Paramedic, EMT, Fire and Life Safety Inspector, Fire / EMS Instructor, and HazMat Operations / Technician. We spend a lot of time training in other areas such as technical rescue, department policies and procedures, area familiarization and more that aren't necessarily documented as Continuing Education.

An important aspect of our operations is the ability to work with the surrounding departments. In 2020, we had 214 hours of live fire training at the Loveland-Symmes training tower. While COVID-19 put a hold on several scheduled trainings in the spring, we adjusted our training to conform to the restrictions of social distancing and mask use.

Not only did this provide us the opportunity to train in live fire conditions, but we were also able to work together with Goshen, Milford, Loveland-Symmes, Miami Twp. and Terrace Park.



In 2020, we practiced Rapid Intervention Teams (RIT). These are critical skills where we practice techniques to rescue lost or trapped firefighters. We also trained on scenarios with fires on multiple floors of a building with victims inside. This allowed us to work with multiple units from different departments, helping us master communication, coordination and discipline during live fire conditions in order to get victims to safety as quickly as we can.

In any incident that we respond, we utilize an incident management structure. The Incident Command System was developed out of the need for a federal system to manage resources during large scale incidents such as natural disasters, wildfires or large HazMat incidents. The ICS System is the basis for the Blue Card Program, but it focuses on everyday incidents such as house or building fires, what we call Type IV and Type V Incidents. Captains John Lynch and Francisco Caceres became Blue Card instructors after approximately 50 hours of online training, and four days of practical evolutions based on computer simulations. All of our career personnel started the online portion of the class and they will be Blue Card certified following their simulation exercises in March, 2021.

Another important aspect of our operations is our Fire Apparatus Operators (FAO). We provided about 160 hours of FAO training, and we approved Firefighters Joe Placke, Devin Moore and Mark Landesman as FAOs.

***Top 5* Training Hours Logged**

Joe Meyer	106
Devin Moore	103
Brian Dapper	98.5
Nick Stiens	93.5
Kevin Scheuerman	87

Last year was a particularly good year for acquired structures. We had the opportunity to train in four different acquired structures in Madeira. Acquired structures are houses or other buildings scheduled for demolition in which we are given access to train within a certain time frame. These structures provided us the opportunity to train on skills that require damage to buildings that we can't duplicate in simulators. We were able to train on challenging hose movements, roof operations, forcible entry, overhaul and several other techniques.



Two of our young E.M.T.'s spent the year completing the rigorous paramedic program. Zac Van Nottingham and Mark Feldmann, who are part-time with us, completed the paramedic certification program and passed the National Registry Exam. Both of them have the knowledge and skills to become excellent paramedics as they gain experience in the field.



EMS Operations

Our medical director is Dr. Rachael Matthews. She grew up in Indian Hill and she currently practices as an Emergency Room Physician at Bethesda North Hospital. She provides medical oversight for our E.M.T. and Paramedics and takes an active role in training. She reviews our E.M.S. runs and provides feedback that helps our medics improve their knowledge and skills as well as validate the excellent work that they do. 2020 was Dr. Matthews first full year with the fire district.



One of the worst calls, and most challenging, is calls for Cardiac Arrests. When those calls come, it takes a team effort from civilians on the scene, to the EMS providers and great care from nurses and doctors. With early interventions such as bystander CPR, the use of an AED (Automatic External Defibrillator), access to 911, and a quick response by first responders, the chance of survival improves greatly. In 2020, that team effort resulted in two recorded ROSC (Return of Spontaneous Circulation) events.

Due to the challenges associated with COVID-19, we were concerned about meeting demands on PPE (masks gowns, gloves and protective eyewear), disinfecting and decontamination equipment. Much of our PPE was provided by Hamilton County EMA. We purchased U.V. lights for both stations which is a mobile light that can be used in any room or inside vehicles, like the back of our medic units. The U.V. lights were purchased from funds given to us from the Bureau of Worker's Compensation. Daily practices of disinfecting and deep cleaning were also a big part of our EMS. operation in order to keep our employees safe, as well as the patients.



BWC Premium Returns

April	\$14,028
November	\$23,750
December	\$88,461



The medic units are the busiest apparatus in our fleet and accounts for the majority of the emergency service we provide to the community. Of the 1250 runs in 2020, we recorded 858 transports to local hospitals with over 80% transports to Bethesda North and Jewish Hospitals. 2020 marked the busiest year in the department history. The busiest hour of the day is 11:00 AM and our busiest month was December.

We noticed a significant rise in EMS runs from September through December as averages went from 92 runs per month from January through August to an average of 128 runs from September through December.

The 40% increase in runs might be contributed to the rise in COVID-19 infections and hospitalizations in that time period as our region began to see significant increases in cases, hospitalizations and deaths.

We utilized Ohio EMS Grant for \$2,945.41 expended on Handtevy, I.O. Devices, and decontamination equipment. Handtevy is a pediatric resuscitation system designed to give responders easy access to on the spot information concerning weight based medications and procedures unique to our local protocol.

EMS RUNS BY TYPE	
Burns / Explosion	1
Industrial Accident	1
Headache	2
Heat / Cold Exposure	2
Carbon Monoxide / HazMat	3
Animal Bite	4
Fire	4
Traffic / Transportation Incident	4
Assault	5
Choking	5
Other / Unable to Categorize	8
Overdose	9
Back Pain	13
Diabetic	16
Allergic Reaction	19
Cardiac Arrest	29
Seizure	31
Medical Alarm	36
Laceration / Hemorrhage	39
Stroke	40
Abdominal Pain	47
Behavioral Emergency	52
Unconscious / Unresponsive	64
Chest Pain	83
Breathing Problem	107
Traumatic Injury	129
Fall Injury	220
Sick Person	224

EMS FACTS

Total Runs: **1250**
Most Common Dispatch Complaint: **Sick Person (224)**
Most Frequent Hospital Destination: **Jewish Hospital (459)**
Busiest Time of Day: **11:00 AM**



Fire / Rescue Operations

We were fortunate to not record any fire service or civilian injuries or deaths in 2020. Fire and rescue operations comprise of about 30% of what we do on a yearly basis. We continue to train with our mutual aid partners, like Anderson, Loveland-Symmes, Sycamore, Montgomery, Mariemont, Blue Ash, and Milford to improve the efficiency of operation for structure fires.

FIRE RUNS BY TYPE	
Special Incident	1
Trash Rubbish Fire	2
Vehicle vs. Pedestrian Struck	2
Extrication	2
Cooking Fire Contained	3
Vehicle Fire	5
Other	5
Hazardous Condition	5
Severe Weather	5
Carbon Monoxide	10
Smoke or Odor Removal	10
Other Rescue	21
Service Call	21
Outside Fire	22
Structure Fire	25
Electrical problem	28
Vehicle Crash	30
Natural Gas or LPG	36
Good Intent Call	38
Fire / EMS Cancelled Enroute	207
False Alarm	209
EMS	1128
TOTAL FIRE	1815

Overall, we recorded 671 Fire Incidents. However, due to the nature of our business and our commitment to provide the very best service, we send fire apparatus to supplement our medic crews. We did this for 1,128 incidents. The new support unit will respond to medical calls in 2021 out of the Madeira Station. The Indian Hill Station will respond in the engine.

Significant calls for the year included the April 8th Tornado and structure fires on Willow Run, Camargo Canyon and Drake Rd. The tornado event on April 8th was an F0 tornado that was reported by the National Weather Service. The tornado was on the ground for approximately three minutes and was on or near the ground for a path that was 3.3 miles and had a maximum width of 350 yards with wind speeds up to 85 mph. Our biggest concern after the event was access issues to residents due to roads being closed by wires and trees in the streets. The fire department formulated access plans for residents that were cut off and luckily, there were no significant effects of the storm and damage. There were a total of 14 tornados in our area recorded that day.



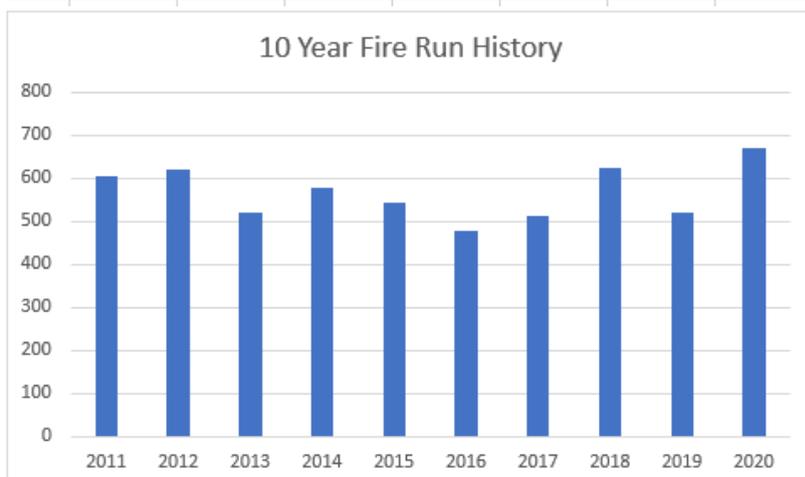
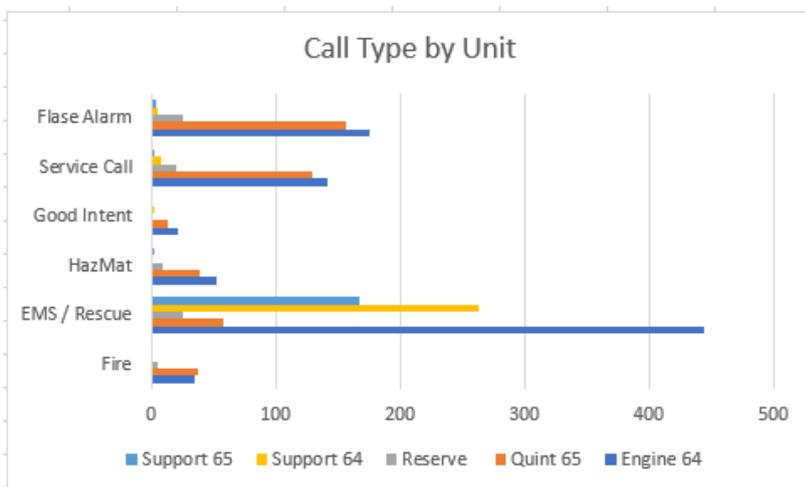
Our most significant fire was a barn fire on Drake Rd. The fire is believed to have started by an electrical fault and our crews were alerted to the fire after a



nearby neighbor saw a glow in her window before dawn. Our crews arrived and extinguished the blaze, but unfortunately, the structure was a total loss. There were no injuries and the animals were not in the barn at the time of the fire. Two other fires in 2020 had fire loss over \$10,000 but crews were able to put a good stop on loss before destroying the home.

1/23/2020	8700 Willow Run Ct.	House	\$50,000	Indian Hill
3/10/2020	30 Camargo Canyon Dr.	House	\$14,000	Madeira
4/21/2020	SB I-71	Work Truck	\$12,000	Madeira
4/24/2020	4300 Drake Rd.	Barn	\$300,000	Indian Hill
5/1/2020	Miami Rd @ Ahwenasa Ln.	Vehicle	\$10,500	Indian Hill
6/7/2020	8000 Miami Ave.	Vehicle	\$5,000	Madeira
12/14/2020	7011 Miami Ave.	Vehicle	\$5,000	Madeira
12/20/2020	6255 S Clippinger Dr.	Garage	\$17,000	Indian Hill

We were also fortunate to record a very low fire loss in 2020, which we were proud of, considering a 180 degree lifestyle change for our residents due to COVID-19. When quarantine procedures were enacted, earlier in the year, the fire service believed we would see a rise in residential fires due to people being in the home more. On a local level, we didn't see that rise, but we are a very small sample size.

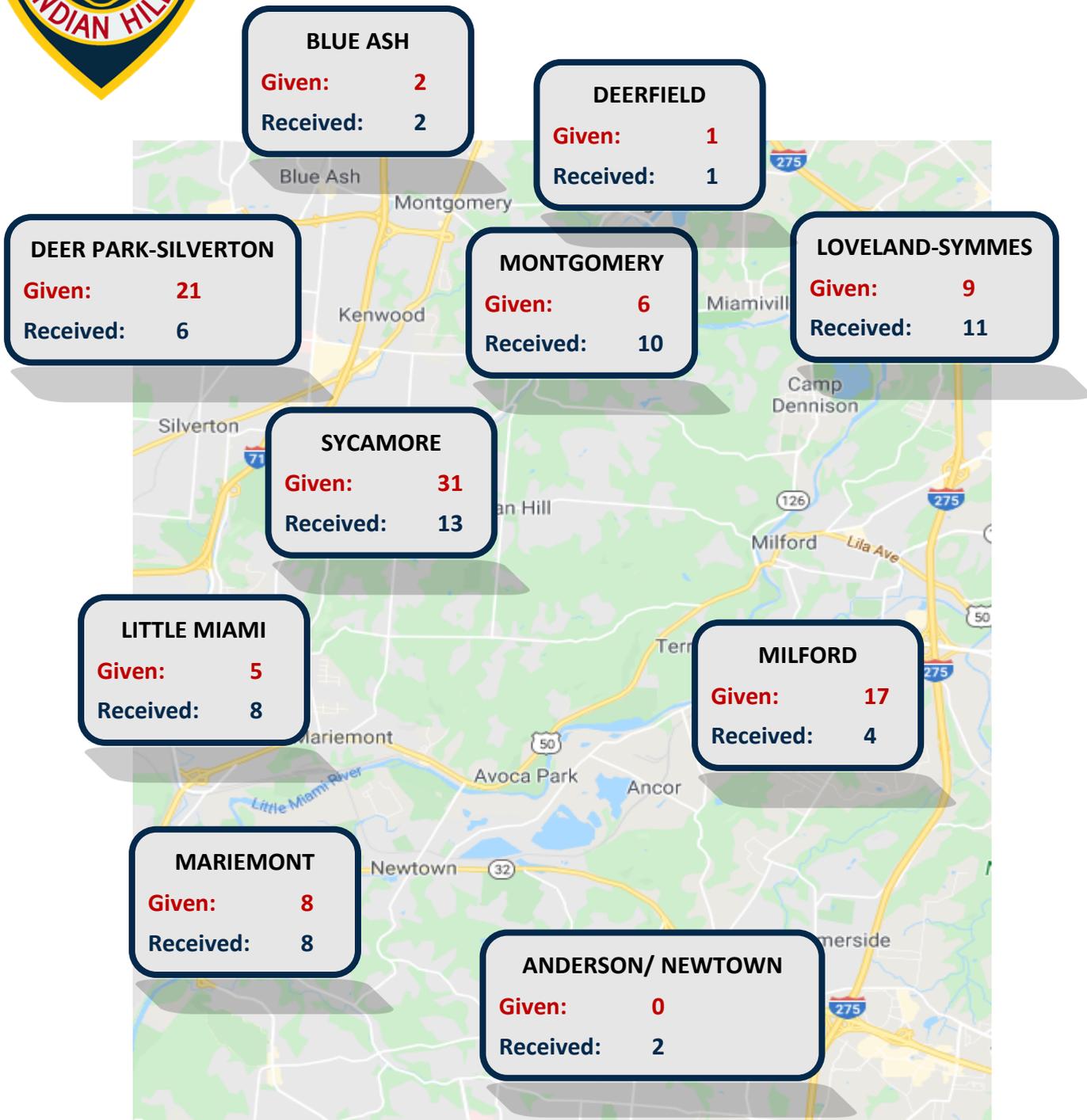


About Fire Statistics

We routinely run two fire apparatus, one out of each of our two stations. Engine 64 runs out of the Indian Hill Station and Quint 65 responds from our Madeira Station. Responses are supplemented by Support units from each station for non-fire incidents or EMS. runs. The chart adjacent shows the responses from each of those apparatus including the Reserve. The reserve is put in place when one of the two primary fire apparatus goes out of service for maintenance. We don't staff the reserve piece unless we have a significant event which creates RECALL, where off-duty personnel are called back to duty.



Mutual Aid



Our Mutual Aid partners include all jurisdictions that surround our fire district and expand all the way out to other counties to include Clermont and Warren County as well as across state lines in Kentucky to assist with airport emergencies. However, most of our mutual aid is given and received from jurisdictions that touch our fire district such as Sycamore, Montgomery and Loveland-Symmes Fire Departments. We respond automatically for structure fires to provide the right amount of people and apparatus to handle all the tasks on the fireground as quickly as possible. We utilize the IMAT (Incident Management Assistance Team) to provide or receive chief officers to fulfill command roles and organize fire responses so the Incident Commander is not overwhelmed. The map above shows the distribution of mutual aid given to and received from our neighbors.



Public Information

We utilize several platforms to keep the public informed about department events, present safety messages, and to communicate Board of Trustee and Committee meetings to name a few. In 2020, the fire district launched a much-anticipated new website. The new website was the result of many hours of work and we are excited to complete most of the work in-house.

MIHJFD Newsletter: The Spring and Fall newsletters provide our residents with relevant information from the fire department and serve as a platform for fundraising for the Madeira and Indian Hill Fire Company. The newsletter is used to publicize our public meetings for the year and provides proxy votes in accordance with our bi-laws as a government body that contracts with the two cities.

MIHJFD Website: In 2020, we launched a new/improved website at MIHJFD.ORG. This new platform will features more concise content, easy to navigate menus, staff photos, District calendar, scrolling banner for upcoming events. This was a two-year project by Captain Caceres, Drew Marston and our web designer Wordpress, in order to improve the ease of which information is available to the public.

Facebook: We continue to use social media sites to provide up to the minute updates on relevant information including Fire / EMS information on major incidents, public education elements like smoke detector initiatives or other helpful fire safety tips. Several of our employees have access to these sites to provide information to the public without compromising the rights of victims or inadvertently highlighting or glorifying a tragic event. We have reached over 38,000 Facebook users with our page, and have over 3,900 followers.

Public Records Commission: The MIHJFD Board of Trustees utilizes a sub-committee to provide guidance on our public records. This sub-committee is active throughout the year to make sure that records are kept, maintained and distributed according to up-to-date policies and / or Ohio law.

Media Relations: For significant incidents we create press releases that are available to the Media when requested. We enjoy a great relationship with the media and provide accurate information to the public in a timely manner during incidents.

City Newsletters: We provide both Madeira and Indian Hill with information or articles for their individual newsletters. In the second half of 2020, we provided articles about various fire prevention initiatives and Covid-19 updates. Look for these articles in the Madeira and the Indian Hill Newsletters in 2021.





Apparatus Maintenance

Our fleet consists of three fire apparatus, two medic units and five staff / utility vehicles. The overall cost per mile for the fleet was approximately \$1.04 per mile.

The most expensive vehicle in our fleet is the oldest fire apparatus, the 2002 Boise

Engine. While this truck doesn't see a lot of duty throughout the year because it is a spare, it costs about \$9.28 per mile, not including fuel. The Quint is the second most expensive apparatus at \$5.53 per mile. The medic units have the most mileage as a group, but cost relatively low to maintain.

Due to the specialized nature of our fleet, some of the work on our vehicles needs to be performed by an Emergency Vehicle

Technician. Vogelpohl Fire Equipment is our preferred service provider to perform authorized service on our apparatus. We also utilize other factory authorized dealers like Bridgeway Cummins in West Chester or Beechmont Ford for the medic units. The expense is greater, but the specialty is what we need to fix the problem right, the first time. However, we do employ several mechanically inclined individuals who can work on our trucks competently. We save countless hours of labor by doing some maintenance in-house. For example, during COVID-19, we changed the oil and performed preventative maintenance on staff vehicles and medic units. We attempt to reduce maintenance cost by diagnosing, problem solving, parts shopping, and repairing in-house when possible.

Unit	Make	Miles	Costs	Cost / Mile
Engine 64	2013 Pierce	6,160	\$16,893	\$2.74
Quint 65	2009 Pierce	3,189	\$17,642	\$5.53
Engine 264	2002 Boise	1,153	\$10,639	\$9.28
Medic 64	2010 Horton	4,168	\$267	\$0.06
Medic 65	2017 Braun	10,586	\$3,342	\$0.32



Our 2020 Fleet at Greenacres

QUINT 65

PREVENTATIVE

- Hydraulic Quick Disconnect Replacement
- Needle Scale & Paint Rust Converter Fuel Cell, Frame, Crossmember

REACTIVE

- Master & Slave Steering Gear Boxes
- Rear Brake Shoes/Drums
- Rear Wheel Seals
- Tie Rod & Alignment
- Primer Pump Replacement
- A/C Electrical Repair
- Crosslay Valves Rebuilt
- Air Leaks

NFPA Inspections

- Vehicle Inspection
- Pump Test
- Annual Service
- Ladder Test

ENGINE 64

PREVENTATIVE

- Replaced six Batteries

REACTIVE

- Oil Leaks– Front Cover, Gear Cover, Head Gaskets, Oil Pan, Oil Filter Housing
- Engine Overhaul
- Multiple Door Switches
- Seat Pad & Seat Belt
- Window Motor
- Multiple Engine/ Transmission Warning Lights

The above chart shows the specific maintenance performed on our two primary fire apparatus. The annual NFPA. Inspection is an important part of our maintenance program to always keep our fleet ready for service and to save money on expensive repairs. We track maintenance on a preventative and reactive system as seen above. The Fire Year Maintenance Chart graphically shows our fire and EMS. apparatus over a five-year period. The average cost per year for the fleet including staff vehicles is \$50,051 per year.

5 year Maintenance Chart





Fire Prevention & Public Education

Car Seat Safety

The Joint Fire District completed 68 infant car seats in 2020. This represents a significant decrease from 2019 where the district installed 158 seats. The decline can be explained by the shutdown created by the pandemic which prevented the fire District from performing installations. 45 of these were installed at Madeira and the remaining 23 were installed in Indian Hill. 42 of the installs were for residents of the fire district while 26 were for non-residents. The program continues to provide the citizens of Madeira and Indian Hill with full support for Child Safety in the proper use, installation of, and education of car safety seats. To date, the Madeira & Indian Hill Joint Fire District has inspected a total of 2,454 car seats since the inception of the program in 2000. There are six career members who maintain the proper certifications to install / inspect car seats.



Fire and Life Safety Inspection Program

Due to the pandemic the Fire District found it necessary to get creative to have success within our prevention bureau. The bureau designed a "Self-Inspection" form that could be completed by the occupants and returned to the inspectors. As a result, we were able to complete inspections for 76% of our occupancies in the year 2020. All high hazard occupancies such as assisted living facilities, multi-family residences, educational facilities, and large retail occupancies were completed in person.

Fireworks Permitting

The Fire Department is the local regulator of fireworks activities in the communities. Each display of fireworks is state regulated and requires a local permit, as authorized by both the Fire and Police Chiefs. There were five fireworks permits issued in 2020, two in Madeira and three in Indian Hill. There were minimal formal complaints about the permitted events. Both communities utilize several methods to alert citizens to the issuance of permits and announcing the date and time of displays. Several large displays were cancelled this year; however, there were several smaller displays permitted for local residents to celebrate birthdays or weddings to supplement larger parties that couldn't occur due to COVID-19 restrictions.



Knox Boxes

We have approximately 101 commercial Knox boxes in the district. The Knox box contains keys, alarm system information, and contact information. These boxes are checked on an annual basis during fire inspections. In 2020 there were no new commercial boxes were installed. The District has a total of 22 residential Knox

box loaners. Residential loaner boxes are intended for short term needs when the occupant may have special needs that may keep them from answering the door during an emergency. In 2020 15 boxes were on loan. In 2020, one residential gate key switch was installed on Stone Barn, along with two commercial gate switches at Greenacres. It is required that all residence with gates be equipped with a Knox key switch override for Fire access. The Knox system allows for immediate access without a gate code. Green acres also purchased 3 Knox padlocks.

Plan Review

Plan reviews are conducted by fire inspectors for any remodeling or new construction in commercial buildings. During plan reviews, means of egress, emergency lighting and general life safety issues are examined. 33 plan reviews were performed in 2020. Major projects included renovations at Madeira Highschool, modular classroom additions at Madeira Elementary School, residential projects in Indian Hill, and other miscellaneous remodels and additions.

Public Education

The pandemic limited options for public education but through creativity and technology the district was able to take advantage of a few unique opportunities. The Fire District participated in 78 birthday parades, multiple video conferences with local groups such as the Boy Scouts and



Girl Scouts. They produced virtual tours of the fire apparatus to be shown to our local school children and participated in the St. Nick Parade, a reverse Halloween costume parade, and the food drive.

Tank Inspections

The Fire District conducted 14 combustible or flammable liquid storage tank removal or installation inspections in 2020. The distribution of these inspections included removal of fuel oil tanks due to changes that are “abandoned in place” due to obstacles of removal, and in fuel utilized by the homeowner, tank installation of additional tanks required for increased fuel demand.

Tent permits

In 2020, 25 tent permits were issued. Beside the review of the location on a property on which the tent will be set up by ZONING officials, these tents receive an on-site inspection. There were fewer tent inspections, but several tent permits were issued for small wedding and funeral events for small gatherings which were modified due to COVID-19.





Final Words

Peer Support Team

Within the last few years there has been an increased need for mental and behavioral health services dedicated to supporting first responders. The process in which these services are delivered is through the Peer Support model. This model allows for the reduction of embarrassment and or stigma surrounding first responders asking for help. It is a lot easier for one first responder to confide in another for many reasons.

The main purpose of a Peer Support Team or Program is prevention as well as efforts to reduce the negative impacts of stress on members within the first responder community. This is accomplished by providing not only emotional support but, information and assistance to help first responders navigate stressful events. The Peer Support model is designed to offer help in a one-on-one capacity, providing education, family support, immediate support and post incident follow ups.

Individuals that are Peer Supporters have been trained in many areas such as stress management, communication techniques and crisis management. Peer Supporters stick to a strict code of confidentiality to protect the individuals seeking help. Peer Support Programs are meant to work alongside critical incident management programs as well, being the liaison between the members and the support services.

Facility Maintenance

The Chief's Residence behind Station 64 was demolished in 2020. The lot was backfilled and landscaping improvements were completed. There is no plan to do anything with the lot except provide a greenspace between the fire station and our neighbor. Landscaping improvements included removal of honeysuckle, three trees and planting of new trees and bushes along with new grass area.



Annual testing was completed at both stations to include back flow testing at both stations. Maintenance of the alarm and sprinkler systems were completed per manufacturer recommendations. Other major maintenance included two air condition compressors were replaced under warranty due to failures. KLH finally found a solution to the exhaust system issues by replacing the gas sensors at Station 64 apparatus bay. The system is working properly with this solution. HVAC humidity issues at Station 64 were also corrected by rerouting HVAC from one system and discontinuing use of another.