

BRUNSWICK HILLS TOWNSHIP

FIRE DEPARTMENT

Anthony M. Strazzo, Fire Chief

2017 ANNUAL REPORT



Christina Kusnerak, Michael Esber, John Witthuhn

-Township Trustees-



Division of Fire/Rescue

BRUNSWICK HILLS FIRE/RESCUE

1918 PEARL ROAD

BRUNSWICK, OHIO 44212



Anthony M. Strazzo Fire Chief

Brunswick Hills Township Trustees and Residents,

The year 2017 brought the Brunswick Hills Township Fire Department continued advances in delivering services to better serve our citizens and visitors. With the assistance of fire department liaison Trustee John Witthuhn, Trustee Christina Kusnerak, and Trustee Mike Esber, our department had another rewarding year.

During 2017, we took delivery of a new Braun Rescue Squad. Our personnel spent countless hours developing the specifications for this vehicle to ensure it meets our current needs and our needs into the future. The purchase of this squad marks the beginning of a structured vehicle replacement program which was not previously in place. The program will make it easier to predict and budget for future rescue squad purchases.

Calls for service during 2017 increased by 15%. During 2016 the Department responded to 876 calls for service, in 2017 that number climbed to 1,025 incidents. This increase can be attributed to Township growth, and aging population and the reliability of our department to respond to more incidents which occurred simultaneously. A significant incident which many of our members responded to occurred during the 4th of July weekend. Because of our fast response and excellent care delivered, a child that was struck by a vehicle survived the incident and has made a full recovery. In summary, the Township should be proud of our entire department and their ability to respond and mitigate emergencies.

As you know our department is proactive in providing education and outreach to Township residents. In 2017, we continued our Community Fire Academy, Open House, Bon Fire and Meet Santa events. In addition, our personnel attended a countless number of block parties, school events, and public business events and provided both CPR and fire training to residents and businesses.

Lastly, the Department was fortunate to receive a grant through the Ohio Bureau of Workers Compensation in the amount of \$6,375.83 for the purchase of an extractor. An extractor is a washing machine specifically designed to remove carcinogens from firefighter protective clothing. This was a great addition to our department and effort to keep our members safe.

In closing, I would like to take this moment to thank all of the Trustees for their continuous support. The Township is fortunate to have individuals such as these which work tirelessly to ensure the safety and security of the Township. I hereby submit the Brunswick Hills Township Fire Department 2017 Annual Report.

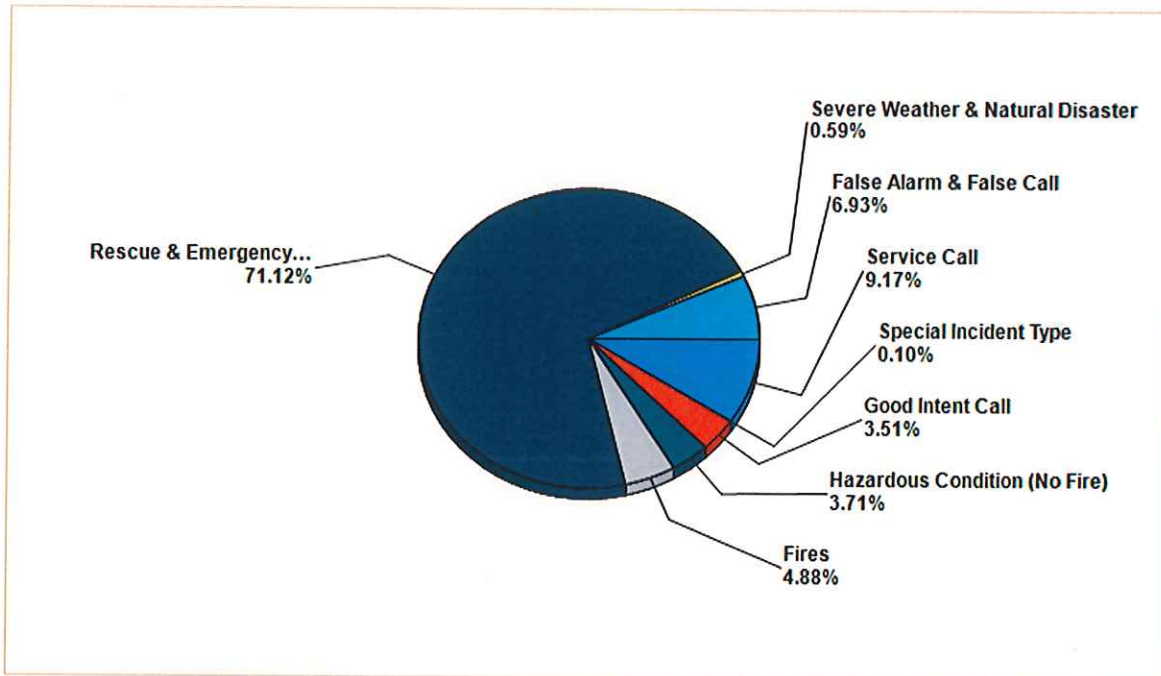
Respectfully,

Anthony M. Strazzo

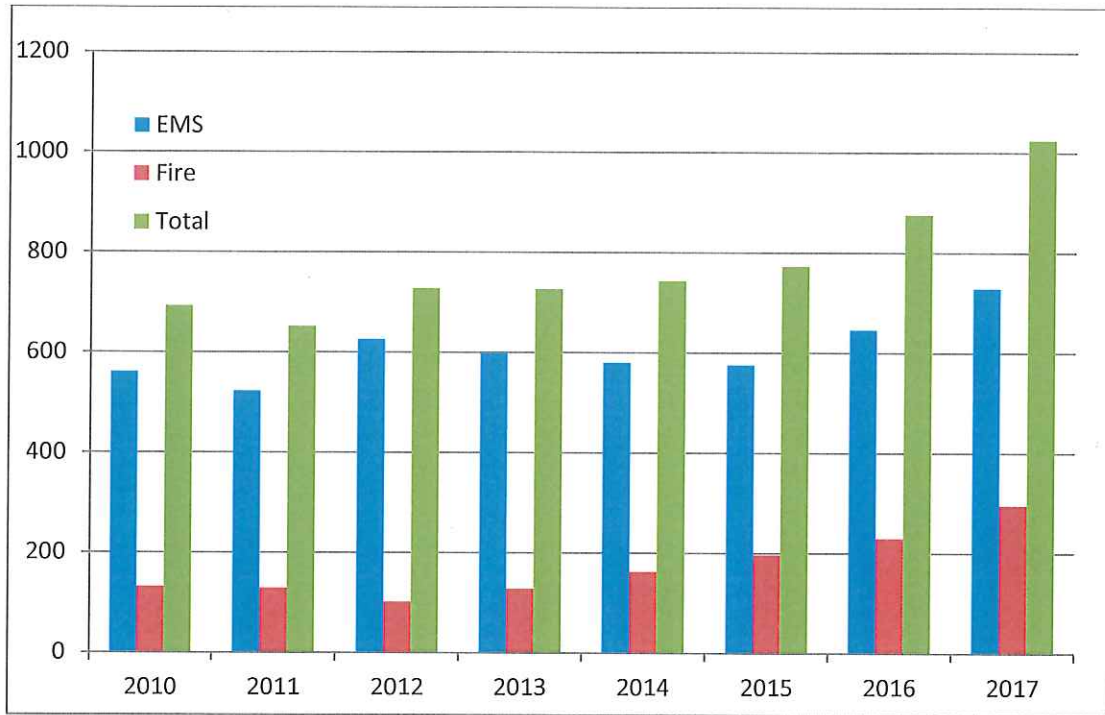
Anthony M. Strazzo, Fire Chief

Incident Responses

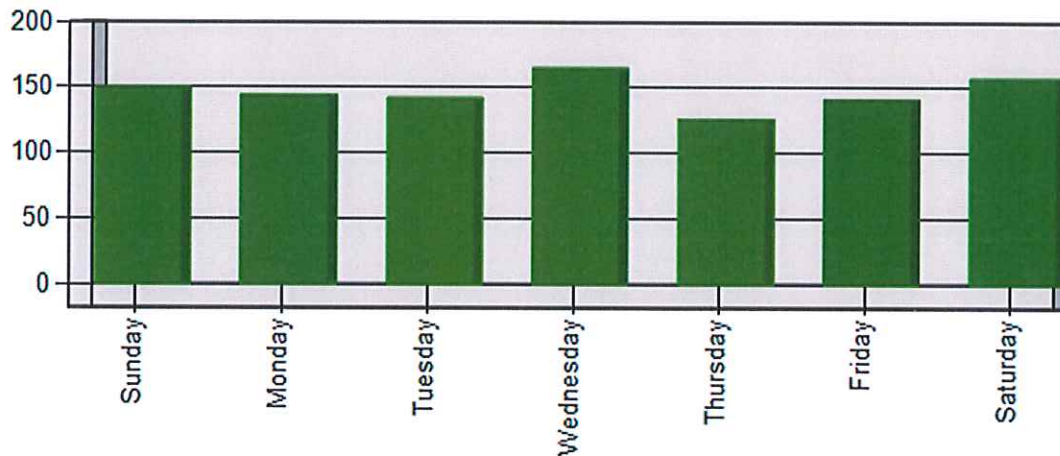
Similar to fire departments across the country, emergency medical services comprise an overwhelming majority of our incident responses. During 2017, the Brunswick Hills Twp. Fire Department responded to 1025 incidents, 729 were emergency medical calls, and 296 were "fire" responses. Please note that a "fire" response is all other calls which are not medical in nature. The graph below depicts the relation of fire to EMS incident responses.



The department's total of 1025 incident responses in 2017 is an ***increase of 149*** incidents as compared to 2016. ***THIS IS A 15% INCREASE IN CALLS FOR SERVICE.*** The chart below shows steady increase in the department's call volume since 2010.



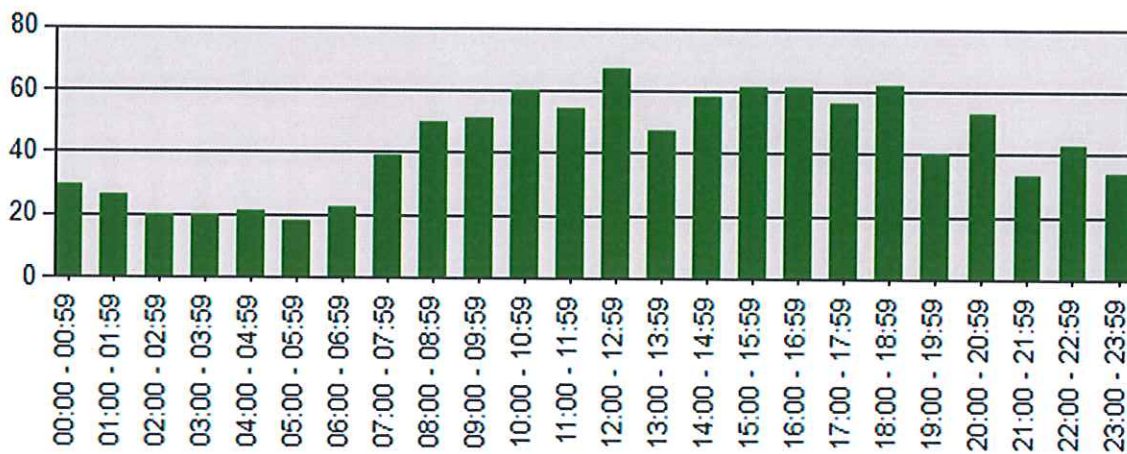
Incidents by Day of Week



DAY OF THE WEEK	# INCIDENTS
Sunday	150
Monday	144
Tuesday	142
Wednesday	165
Thursday	126
Friday	141
Saturday	157
TOTAL	1025

The above proceeding graph and data table show the number of incidents for each day of the week. While almost evenly distributed, there is a slight increase in call volume on Wednesdays. The graphs below shows the time during the day when a majority of calls are received. Both the above and below information aided the department in determining staffing priorities and transitioning to 24 hour staffing.

Incidents by Time of Day



Incidents by Shift

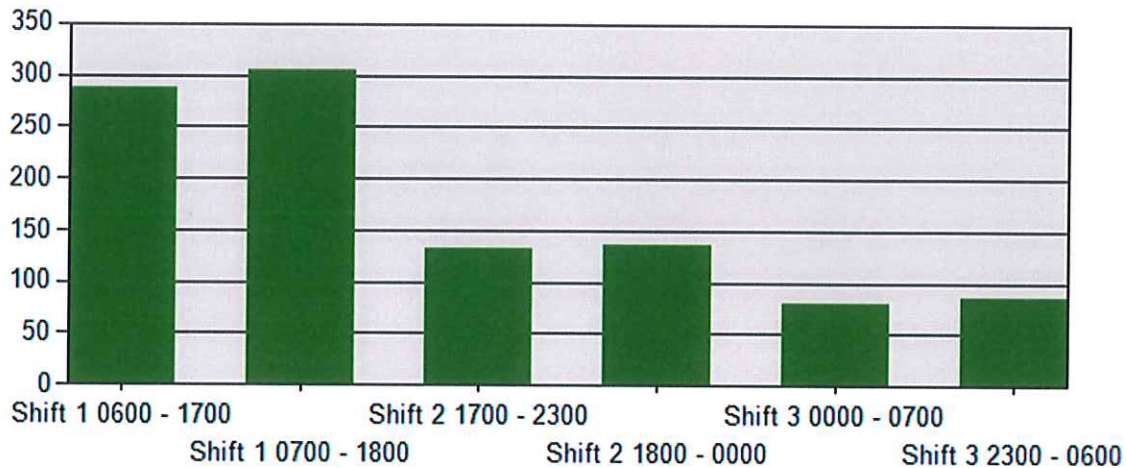
As previously mentioned, during 2017 the department transitioned to 24 hour staffing. With that change the agency adjusted shift times to better accommodate our part-time staff and their full-time jobs. In the chart below, you will notice adjustments in shift times.

January – June 30th:

- 1st shift- 0700-1800
- 2nd shift- 1800-0000
- Responding from home 0000-0700

July 1st – December 31st

- 1st shift- 0600-1700
- 2nd shift- 1700-2300
- 3rd shift- 2300-0600



SHIFT	# INCIDENTS
Shift 1 0600 - 1700	287
Shift 1 0700 - 1800	304
Shift 2 1700 - 2300	132
Shift 2 1800 - 0000	136
Shift 3 0000 - 0700	80
Shift 3 2300 - 0600	86
TOTAL:	1025

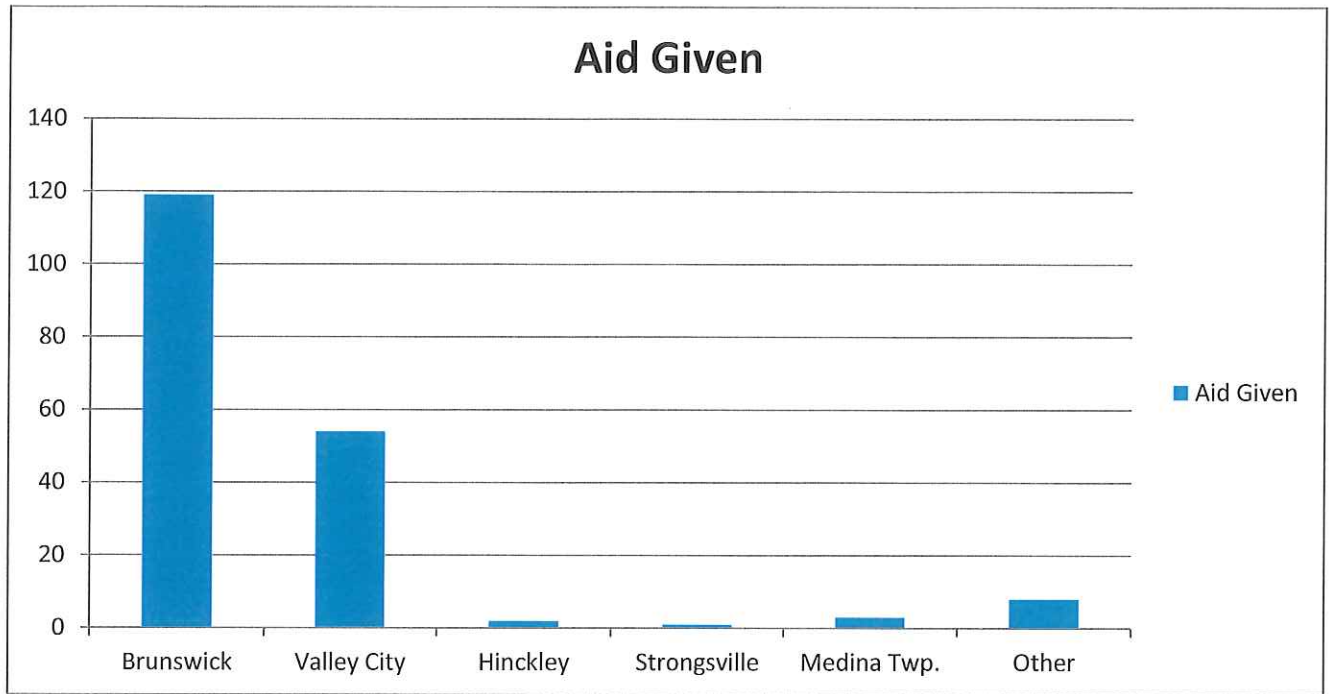
Mutual Aid

The Brunswick Hills Twp. Fire Department not only responds to incidents within Brunswick Hills but also to our neighboring communities. In turn our neighbors provide mutual aid to our Township. These are a variety of circumstances in which an agency may request mutual aid. The following are some examples:

- Large or complex incident requiring additional resources
- Incident requiring specialized equipment
- All personnel on an incident when another call for service is received
- No personnel available
- Nature of call received from dispatch

The graphs below show mutual aid we provided (aid given) by department and we received (aid received) by those departments during 2017.

Mutual Aid Given and Received



	Aid Given
Brunswick	119
Valley City	54
Hinckley	2
Strongsville	1
Medina Twp.	3
Other	8

To further aid in deployment analysis, the fire department breaks down the Township into response zones for the purpose of tracking response times and incident types. Below you will see the 5 zones, the response time and the incident types responded to in each zone.

Zone	AVERAGE RESPONSE TIME (in minutes – dispatch notified till on scene)
Brunswick Hills I 71	10.02
Brunswick Hills 4	9.26
Brunswick Hills 3	8.08
Brunswick Hills 2	7.97
Brunswick Hills 1	7.17

INCIDENT TYPE	# INCIDENTS
111 - Building fire	23
112 - Fires in structure other than in a building	2
113 - Cooking fire, confined to container	4
114 - Chimney or flue fire, confined to chimney or flue	1
117 - Commercial Compactor fire, confined to rubbish	1
118 - Trash or rubbish fire, contained	3
122 - Fire in motor home, camper, recreational vehicle	1
131 - Passenger vehicle fire	4
132 - Road freight or transport vehicle fire	1
140 - Natural vegetation fire, other	1
141 - Forest, woods or wildland fire	1
142 - Brush or brush-and-grass mixture fire	2
143 - Grass fire	2
151 - Outside rubbish, trash or waste fire	3
162 - Outside equipment fire	1
321 - EMS call, excluding vehicle accident with injury	647
322 - Motor vehicle accident with injuries	58
323 - Motor vehicle/pedestrian accident (MV Ped)	3
324 - Motor vehicle accident with no injuries.	19
352 - Extrication of victim(s) from vehicle	2
411 - Gasoline or other flammable liquid spill	1
412 - Gas leak (natural gas or LPG)	13
424 - Carbon monoxide incident	2
440 - Electrical wiring/equipment problem, other	1
441 - Heat from short circuit (wiring), defective/worn	1
442 - Overheated motor	1
444 - Power line down	15
445 - Arcing, shorted electrical equipment	3
463 - Vehicle accident, general cleanup	1
522 - Water or steam leak	2
531 - Smoke or odor removal	3
551 - Assist police or other governmental agency	4
553 - Public service	1
554 - Assist invalid	70
561 - Unauthorized burning	14
600 - Good intent call, other	1
611 - Dispatched & cancelled en route	26
622 - No incident found on arrival at dispatch address	6
651 - Smoke scare, odor of smoke	2
652 - Steam, vapor, fog or dust thought to be smoke	1
711 - Municipal alarm system, malicious false alarm	1
713 - Telephone, malicious false alarm	1
731 - Sprinkler activation due to malfunction	1
733 - Smoke detector activation due to malfunction	10
735 - Alarm system sounded due to malfunction	15
736 - CO detector activation due to malfunction	13
740 - Unintentional transmission of alarm, other	2

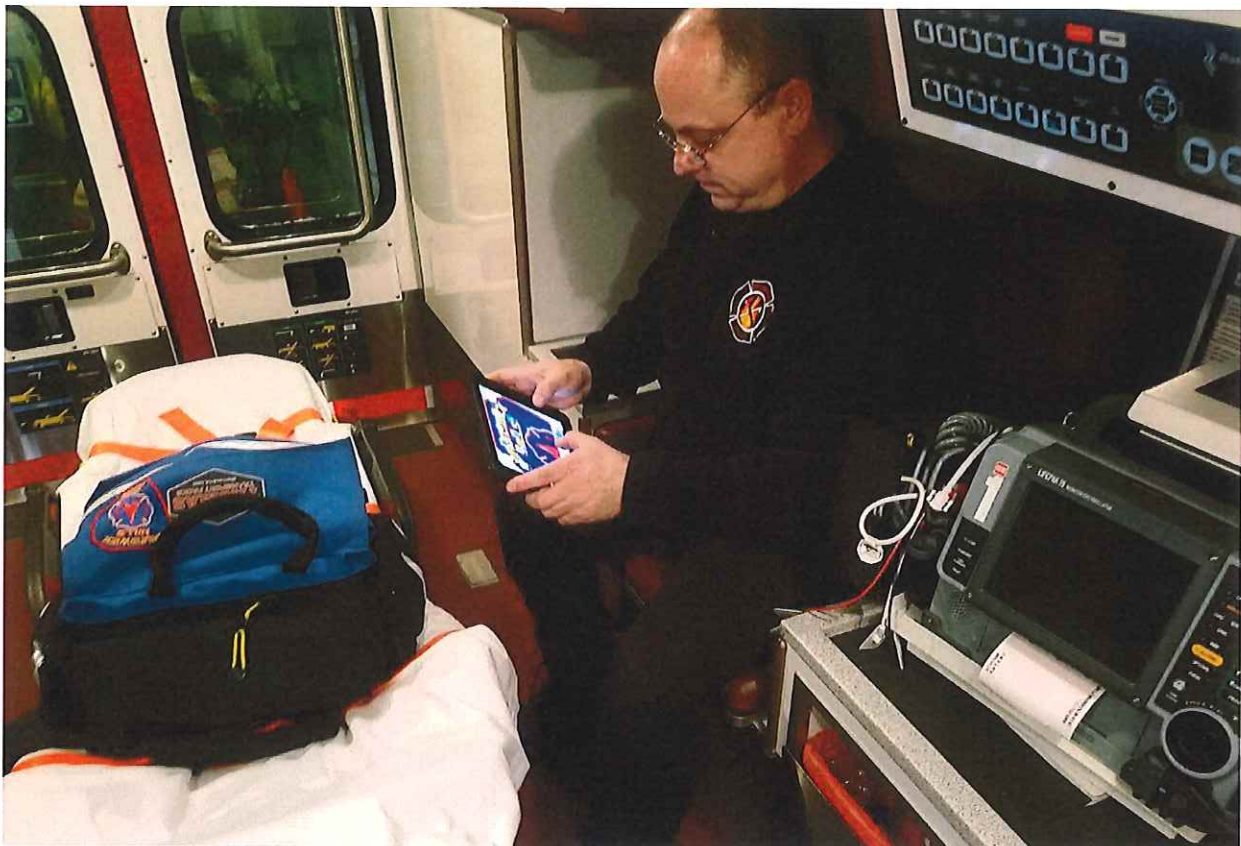
741 - Sprinkler activation, no fire - unintentional	1
743 - Smoke detector activation, no fire - unintentional	12
744 - Detector activation, no fire - unintentional	4
745 - Alarm system activation, no fire - unintentional	8
746 - Carbon monoxide detector activation, no CO	3
800 - Severe weather or natural disaster, other	1
813 - Wind storm, tornado/hurricane assessment	4
814 - Lightning strike (no fire)	1
900 - Special type of incident, other	1
TOTAL INCIDENTS:	1025



Emergency Medical Services

Lieutenant Mike Perlatti is delegated the duties of the EMS coordinator for our department. One of Lt. Perlatti's primary tasks is to ensure the reliability of our medical equipment and that we maintain the correct inventory of equipment to provide professional progressive emergency medical services. During 2017, Lt. Perlatti worked with our Medical Direction Hospital, Southwest General, to further improve our new patient records management system. Health EMS, a comprehensive patient management system, enables prehospital providers, physicians, billing and insurance companies the ability to access patient records at the click of a button. The software is provided to our department at no cost. During 2017, Southwest Hospital went a step further and provided the fire department 2 IPADS for use in our rescue squads. These devices enable EMS personnel to immediate input needed medical information into our patient records system which can be viewed by hospital staff. Lt. Perlatti ensures that all personnel are trained, conducts a Q&A of all reports and ensures the reports are submitted to the State of Ohio as required by law.

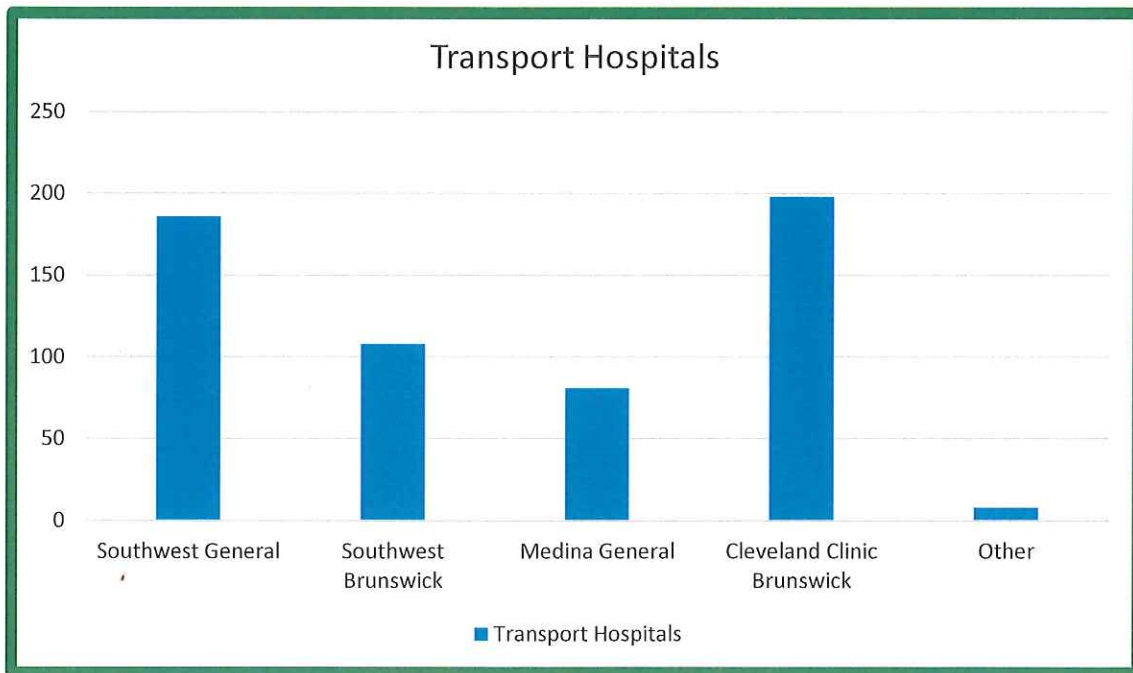
Currently, the Brunswick Hills Twp. Fire Department has 28 Paramedics and 11 Emergency Medical Technicians. As our department continues to grow, applicants that hold paramedic certifications or are in paramedic school are given preference when hiring. Our goal is to provide an Advanced Life Support, Paramedic rescue squad at any emergency medical call.



Responses by our rescue squads can be broken down into 4 general categories. The following show the number of incidents for each of these categories.

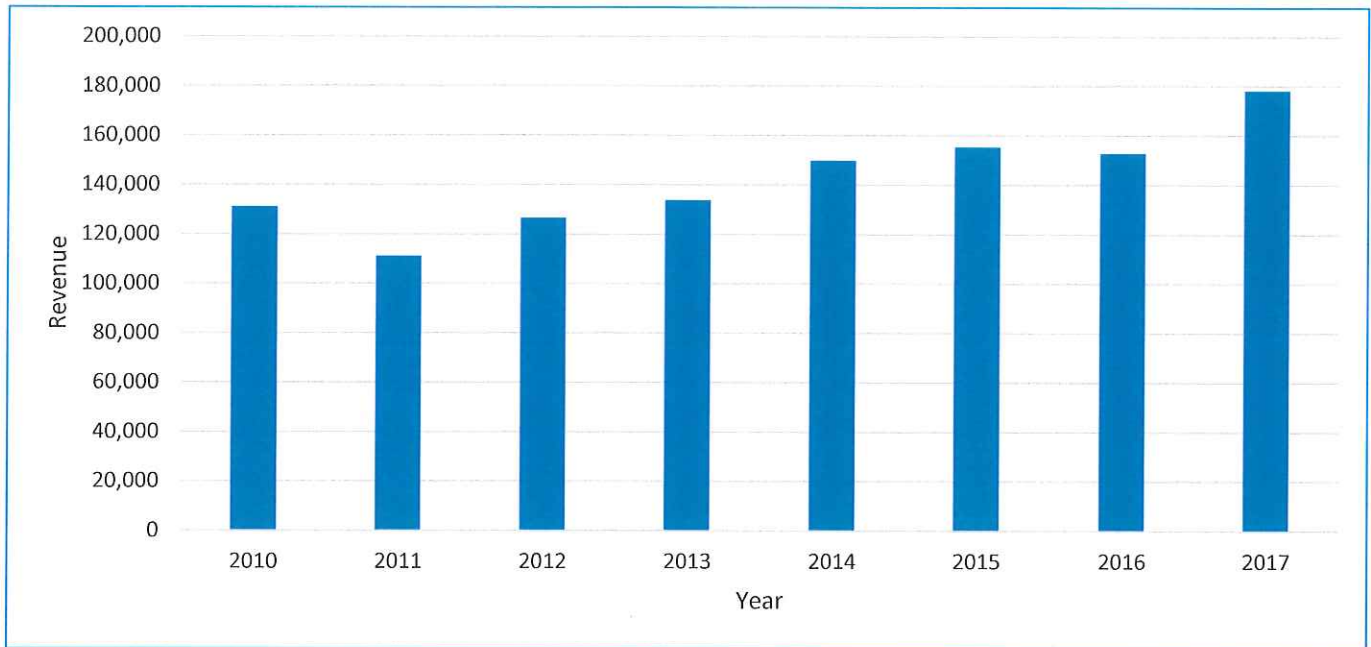
Medical Emergency: Chest Pain, Cardiac Arrest, Abdominal Pain, Seizures, Asthma, Breathing Problems, OB/GYN Complications, Allergic Reactions, Stroke, Altered Level of Consciousness	492
Trauma: Injuries, Broken Bones, Lacerations, Stab Wounds, Gun Shot Wounds, Injuries from Motor Vehicle Accidents, Injuries from Falls.	139
Environmental: Poisoning, Hypothermia, Medication Reactions	16
Behavioral: Depression, Mental Problems, Anxiety, Psychiatric Emergencies	57

The next component is the transport destination. Brunswick Hills Twp. is fortunate to have high quality medical care facilities within close proximity. The chart below shows the transport destinations for the 574 patients transported by our rescue squads.



EMS Billing

The fire department has continued to utilize Life Force Management to handle its third party billing for emergency medical incidents. Life Force bills resident's insurance companies and accepts payment in full for the insurance reimbursements. Revenue generated from EMS billing assists the department in purchasing medical equipment. The graph below shows the annual revenue generated from billing since 2010. In total the department has received \$807,895 since 2010. These funds are utilized for annual and capital purchases for EMS. Examples include: new rescue squad, monitors, equipment maintenance, cots, and supplies.



Overnight Staffing

On July 1st 2018 the fire department made a huge advance in providing service to the Township. The Trustees voted to staff the station overnight, which resulted in 24 hour in station personnel. This decision was based on an increase in the number of incidents between 0000-0700 and the need to decrease the response times during the overnight hours. Previous to July 1st, personnel would be notified of a call, and drive from their home to the station to obtain vehicles and equipment, then respond to the incident location. The chart below clearly shows that the staffing has decreased response times by 3.5 minutes.

SHIFT	AVERAGE RESPONSE TIME
January – June 0000 - 0700	12.46
July - December 2300 - 0600	8.84



Public Relations

The Brunswick Hills Twp. Fire Department has a long history of community involvement. 2016 proved to be no different. Throughout the year, members of the department attended and worked events both while on duty and off duty. We believe this is important in developing a positive relationship between the department and the community. In addition, it gives fire department personnel an opportunity to educate the public on fire and safety prevention. The department is fortunate to have Lt. Rich Dalziel who really enjoys putting together our community events and welcomes the opportunity to market our department and the Township.

The following is a list of events which the department attended or hosted:

Event	Location
Fire truck Pick Up Last Day of School	St. Ambrose
Xersis Crossfit	424 Pearl
Block Party	Helen / Autumnwood
Block Party	St. Marks Church
Birthday Party Visit	Stag Thicket
Block Party	RPM
Home Depot Safety Day	Home Depot
Open House	Station 2
Block Party	South Pointe Development
Fire Truck Ride - Open House Prize	Baywood Resident
Halloween Bonfire	Plum Creek
Stuff the Squad	Station Two
Meet Santa	Station 2
Girl Scout Safety Talk	Station 1
Cub Scout Safety Talk	Station 1
Car Show	Laurel Square
Block Party	Alderside
CPR for Community Fire Academy	Town Hall
Fire Safety Presentation	891 Marks Road
Trunk or Treat	Hickory Ridge Plaza
Fire Safety Talk	The Crossings

CONGRATULATIONS 2017 GRADUATING CLASS



BHF D CITIZEN'S FIRE ACADEMY

During the summer of 2017, one of our Township families experienced the tragic loss of a loved one while preparing to celebrate the accomplishments of another. Township firefighters returned to the residence the following day to complete yard work which was being done. This is a prime example of our personnel's dedication and commitment to the community.



Roper Lock Box Program

In 2017, following a generous donation from a resident, the Brunswick Hills Fire Department partnered with The City of Brunswick Fire Department and the Hinckley Township Fire Department to start a residential lock box program. The program allows residents to purchase lock boxes manufactured by the Roper Company. The boxes pictured below can be hung on a door or mounted to a door jamb. Boxes contain a key to the occupancy, but have a master lock which only the fire departments possess a key to. In the event the resident cannot get to the door during an emergency, fire department crews can utilize the key in the box to access the home, eliminating costly repairs to doors or windows that would otherwise have to be broken.

If you are interested in purchasing a lock box please contact Fire Prevention Officer Bob Herron or Chief Strazzo at 330-225-2211.



Fire Prevention

During 2017, Fire Prevention Officer, Bob Herron, spent the year visiting all occupancies within the Township, ensuring that the agency's record system had documentation of each occupancy. Herron initiated a lock box program to assist residents that may need emergency services while limiting damage that may occur due to forcing entry into their residence. In addition to the above duties, FPO Herron reviewed all submitted construction plans, inspected of all occupancies and businesses, conducted adoption and foster home inspections, assisted with public relations and education. A total of 218 inspections were completed during 2017. The chart below and on the following pages details the inspections by type and the occupancy type they were conducted in.

Fire Prevention Officer Bob
Herron can be reached by
calling 330-225-9095



OCCUPANCY	COUNT
INSPECTION TYPE: Adoption/Foster Care	
Residential	2
INSPECTION TYPE: Alarm System Test	
Church/Places of Worship	1
Fire Station	1
INSPECTION TYPE: Annual	
Assembly	8
Assisted Living Facility	1
Auto Sales and Maintenance	5
Automotive Repair/Refinishing	2
Bakery/Food Store	1
Bar/Tavern	4
Barber/Beauty Shop	2
Book/Craft Store	1
Business Office	37
Church/Places of Worship	6
Construction/Remodel Supply	3
Convenience Store	1
Day Care	1
Fire Station	2
Fitness Facility	1

Flooring/Carpeting Warehouse	1
Glass Repair/Installation	1
Gun/Ammunition Sales	1
Heavy Transportation/Delivery	1
Landscaping/Farm Sales	3
Machine/Mill Works	2
Medical/Dental Office	2
Mercantile	13
Moderate Hazard Storage	1
Multi Unit Storage	1
Multi Unit Storage Facility	4
Municipal Services	2
Petroleum Service Station	1
Police Station	1
Recreational	3
Restaurant	2
Small Motor Repair	1
Swimming pool supply store	1
Veterinary/Animal Care	5
Workshop-Metal	2
INSPECTION TYPE: Fire Protection System Inspection	
Assembly	2
Assisted Living Facility	2
Business Office	1
Church/Places of Worship	4
Day Care	1
Fire Station	1
Mercantile	7
Moderate Hazard Storage	1
Recreational	1
INSPECTION TYPE: Hood and Duct Inspection	
Assembly	2
Bar/Tavern	1
Recreational	2
Restaurant	1
INSPECTION TYPE: Plan Review	
Mercantile	1
INSPECTION TYPE: Pre-Plan	
Assisted Living Facility	1
Auto Sales and Maintenance	1
Bakery/Food Store	2
Business Office	7
Church/Places of Worship	4
Construction/Remodel Supply	2
Day Care	2
Home Repair/Construction	1
Landscaping/Farm Sales	2

Mercantile	5
Multi Unit Storage	2
Multi-Family Residential	3
Recreational	2
INSPECTION TYPE: Reinspection	
Assembly	2
Auto Sales and Maintenance	4
Automotive Repair/Refinishing	1
Bar/Tavern	2
Business Office	18
Church/Places of Worship	1
Convenience Store	1
County Building	1
Day Care	2
Fire Station	1
Fitness Facility	2
Glass Repair/Installation	1
Gun/Ammunition Sales	1
Heavy Transportation/Delivery	1
Landscaping/Farm Sales	1
Medical/Dental Office	1
Mercantile	7
Multi Unit Storage Facility	3
Petroleum Service Station	1
Recreational	1
Small Motor Repair	1
Swimming pool supply store	1
Veterinary/Animal Care	5
Workshop-Metal	1
INSPECTION TYPE: Special Hazard	
Day Care	2

Vehicles and Apparatus

The agency maintains a fleet of vehicles which respond to emergency situations and support the day to day operations of the department. Lt. Joe Posa is delegated the responsibility of ensuring that our vehicles are maintained and ready to respond to emergency situations. Lt. Posa schedules all annual maintenance and required testing, as well as performs minor repairs when he can. The following is a description of the vehicles which the department maintained during 2016 and any associated repairs.

Squad 27



2007 Road Rescue Ambulance

APPARATUS: 27		
11/30/2017	Leaking Oil RnR Oil Cooler	\$1,799.83
1/21/2017	Headlight	\$11.00
7/13/2017	RnR Turbocharger oil leak	\$574.12
9/8/2017	air flow diverter	\$645.77
9/26/2017	oil leak	\$130.00

\$3,160.72

Squad 27-1



2008 Road Rescue Ambulance

APPARATUS: 27-1		
10/17/2017	OIL LEAK HIGH IN ENGINE	\$2,791.82
2/15/2017	Lube oil Filter	\$39.00
5/30/2017	Tire Repair/ New Tire	\$152.64
5/30/2017	Timer light knob fell off	\$5.30
2/2/2017	Headlights	\$240.00
2/15/2017	Fuel injector control module	\$940.00
4/30/2017	Leaking radiator	\$772.52
5/30/2017	Marker light	\$15.00

\$4,956.28

Squad 27-2 (Delivered April 2017)



Engines 21-1 and 21-2



2015 Sutphen Rescue Pumpers with

APPARATUS: 21-1		
Minor Repair		
1/5/2017	Air Auto eject	\$19.00
8/10/2017	Light tower	\$30.00
Moderate Repair		
8/10/2017	Front Wheel Hubs	\$0.00
NFPA Annual Test		
7/8/2017	PM and Pump Test	\$1,350.00
Routine Inspection		
8/10/2017	Generator PTO Pump leaking	\$0.00

APPARATUS: 21-2		
NFPA Annual Test		
7/23/2017	PM and Pump Test	\$1,350.00
Other		
9/26/2017	Paint	\$592.00
Routine Inspection		
5/11/2017	Pump-valve issue	\$0.00
8/10/2017	Airline eject leaking	\$0.00
		\$1,944.00

Tanker 22



1994 Semo Tanker, 2,600 Gallons of Water, 1,250 Gallon per minute pump

DATE	TITLE	COST
APPARATUS: 22		
Minor Repair		
6/12/2017	Flex exhaust PIP	\$0.00
Moderate Repair		
1/3/2017	Starter-Batteries	\$920.75
2/22/2017	Alternator	\$610.00
6/12/2017	Repair L rear brake chamber	\$175.00
7/23/2017	Electrical	\$749.00
NFPA Annual Test		
7/23/2017	Pump test	\$350.00

Brush Truck 24



1996 Ford F250 Pickup

This vehicle has a "slide in" tank and pump for brush fires and is utilized as our plow truck during the winter to maintain fire station driveways and parking lots.

DATE	TITLE	COST
APPARATUS: 24		

Moderate Repair		
2/1/2017	Plow control switch	\$241.00
4/10/2017	Pump Maintenance-service	\$203.93

Car 29



2014 Ford Interceptor SUV

This vehicle is used by department staff as a command vehicle, night time duty car, fire inspector vehicle, and to travel to trainings.

DATE	TITLE	COST
APPARATUS: 29		
Moderate Repair		
4/21/2017	Brakes and rotors	\$794.00
Other		
11/13/2017	Power steering update reprogram	\$0.00
Preventive Maintenance		
7/27/2017	oil change, tire rotation, air filter	\$68.48
11/30/2017	New Tires	\$607.88
Routine Inspection		
1/6/2017	Oil change - tire rotation	\$29.99



Car 25



2015 Ford Interceptor SUV

This vehicle is used by administrative staff to conduct daily operations, respond to emergencies while both on and off duty, as an incident command post, and to travel to and from meetings and trainings.

DATE	TITLE	COST
APPARATUS: 25		
Minor Repair		
7/25/2017	electrical issue-starting	\$0.00
Moderate Repair		
3/7/2017	Brakes	\$467.00
Other		
3/10/2017	Oil Change	\$26.99
11/13/2017	Power steering update reprogram	\$0.00

Training

The Brunswick Hills Twp. Fire Department is an all hazards emergency response agency. This means that members of the department must be trained to respond to a wide variety of emergencies. The department's training program is coordinated by Lt. Jeff Rosewicz who is a State of Ohio certified Fire Instructor and by Emergency Medical service Instructors from Southwest General Hospital. Southwest and Lt. Rosewicz utilizes a multitude of resources to ensure our member are trained to respond. The training resources are as follows:

- In house instructors: Each Monday, the department has training in which State Certified Instructors conduct trainings on department equipment, procedures, and apparatus.
- Outside instructors: Once a month, EMS instructors from Southwest Hospital come to the station to train personnel on emergency medical topics.
- Outside training courses: Members of the department may submit requests for training offered from institutions outside of the department.
- Personnel also have the opportunity to utilize online education through The Kaplan Career Institute. This web based training provides both EMS and fire components. There is no cost to the Township for this training as it is provided free through Southwest General Hospital.



During 2017, department members completed 2,407 hours of training.



Closing

It has been an honor and a privilege to serve Brunswick Hills Township throughout the past year. The department is fortunate to have Township Trustees that recognize the importance of having a properly equipped and staffed fire department. During 2017, the department made great advances in providing efficient and prompt emergency response. All of the members of the department look forward to serving in 2018! I would be remiss if I did not thank the Brunswick Hills Police Department for their assistance on calls and for the collaboration on making the Township the safe community it is.

Respectfully Submitted,

Chief Strazzo

