

**BEACHWOOD DEPARTMENT OF  
FIRE – RESCUE**

**MISSION STATEMENT:**

It is the Mission of the Beachwood Department of Fire-Rescue to provide and deliver efficient, progressive, performance-based emergency services to preserve life and property for our community.



# Beachwood Department of Fire ~ Rescue

## 2017 Roster

**Patrick J. Kearns, Chief**

**Assistant Chief**

Shaun Lutz

**Fire Prevention**

David Skrajner

**Administration**

Therese Ferritto

Rebecca Globokar

### Full Time Members

**A Shift**

Capt. Scott Hank

Lt. Matthew Domonkos

Lt. Michael Iacobucci

Brett Anderson

Lincoln Coverdale

Don Coyne

Richard Gromek

Luke Ockenden

David Peterson

Adam Ripley

Chad Russell

Mark Russo

Scott Schmauder

Benjamin Welsh

**B Shift**

Capt. Steven Holtzman

Lt. Michael Bell

Lt. Anthony Strazzo

Donald Balog

Jason Brooks

Joseph DiAntonio

Scott Frey

Michael Lucas

Edward Mahoney

Nicholas Ricco

Charles Roach

Robert Searles

Andrew Spisak

Wesley Unger

**C Shift**

Capt. Philip Corpora

Lt. Jim Leffler

Lt. Chadwick Thompson

Adam Dodson

Christopher Hoga

Michael Holtzman

Anthony Kustra

Gregory Liggett

Thomas Luskin

Bradley Majetich

Michael McDermott

Seth Robinson

Benjamin Shellenbarger

Daniel Wochele

• Est. 1949 •

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## **Retirement**



**After nearly 34 years with the Beachwood Department of Fire-Rescue,  
Assistant Chief William Peskura retired on July 21, 2017.**

## **Promotion**



**Fire Prevention Officer Shaun Lutz  
Promoted to Assistant Fire Chief December 20<sup>th</sup>**

## New Hires



**Firefighter Charles Roach & Firefighter Christopher Hoya  
Sworn in on September 5<sup>th</sup>**



## Fire Department Accreditation

As a result of an extremely dedicated effort the Beachwood Department of Fire-Rescue has received Accredited Agency status, for the third time, through the Commission on Fire Accreditation International (CFAI) for meeting the criteria established through the CFAI's voluntary self-assessment and accreditation program. The Beachwood Department of Fire-Rescue is one of only 239 agencies internationally to achieve international Accredited Agency status with the CFAI and the Center of Public Safety Excellence, Inc. (CPSE). Particularly noteworthy is the fact the Beachwood Department of Fire-Rescue is the only accredited agency in North-East Ohio and is 1 of only 9 in Ohio to achieve Accredited Agency Status. The Beachwood Department of Fire-Rescue was first accredited in 2007, reaccredited in 2012 and again this year in 2017.



*Beachwood Department of Fire-Rescue receives accreditation. Present left to right: Firefighter Dave Peterson, Captain Phil Corpora, Lieutenant Jimmy Leffler, Steven Westermann (CPSE Commission Chair), Accreditation Manager Lieutenant Michael Bell, and Fire Prevention Officer Shaun Lutz*

The accreditation process includes a significant self-assessment, community risk assessment and a standard of cover development. The self-assessment is the most comprehensive and includes an assessment within 10 categories of 252 performance indicators that must be addressed but 86 of which are mandatory and required to be accomplished successfully. Once these items were completed and approved by CFAI representatives a 4 member peer review team arrived in April of 2017 and were tasked with verifying and validating that all requirements were met or

exceeded with a focus on continuous improvement. Upon completion of the review the peer team recommended the Beachwood Department of Fire-Rescue for accreditation. Once the recommendation was made by the peer team the department was tasked to present to the CPSE 11 member board of commissioners in Charlotte, North Carolina to defend the recommendation in a panel hearing that occurred on Wednesday July 26, 2017. The members of the department who participated in the hearing were: Accreditation Manager Lieutenant Michael Bell, Captain Phil Corpora, Fire Prevention Officer Shaun Lutz, Lieutenant Jimmy Leffler and Firefighter Dave Peterson. These members were successful in their defense of the recommendation and the Beachwood Department of Fire-Rescue was reaccredited by the commission upon completion of the hearing.

To maintain the accreditation the department must submit annual compliance reports that indicate the progress made on the peer team recommendations and compliance with all required criteria. The department will be required to repeat this entire process in 2022 to maintain accredited status.

Lieutenant Michael Bell  
Accreditation Manager



**Commission** on  
**Fire Accreditation**  
**International**

## City of Beachwood Safety Center



In February of 2017, the fire station 2 replacement project went out for bid. At bid opening day in March, seven construction companies submitted their bids. The submitted bids were reviewed by the architect, engineers and the design team, City Council approved awarding the contract to Infinity Construction.

The groundbreaking ceremony occurred in May and Infinity began moving dirt in June. Unfortunately, a trash pit was discovered and some of the soil was deemed unsuitable. The trash was removed and the ground was stabilized.



Once the footers were poured, the steel began to rise from the ground and the building began to take shape:



Thankfully, due to a dry summer and fall, work progressed and the project remained on schedule. The building was enclosed and heated so interior work could proceed throughout the winter:



**Artist Rendering**

The project remains on schedule and should be completed in the summer of 2018.

Captain Phil Corpora

## Department Reporting Software and Technology

In 2017, the Beachwood Department of Fire-Rescue performed thorough research and made a significant investment into advanced technology that changed the way line-personnel gathered information in the field. The iPad platform was chosen for all front-line units, using a new reporting software application (IMS) and an application for call-generation and address-specific information access (Active 911). The iPads were officially placed on all the department response vehicles in 2017, and are able to access the following electronic applications (including, but not limited to):

- EMS Patient Care Reporting (ePCR)
- National Fire Incident Reporting (NFIRS)
- Global Positioning System (GPS) Mapping
- Fire Pre-Plans and Fast Facts Information
- HAZMAT Research Tools
- Fire Prevention Records and Inspections

The paperless technology has proven a success, and has additionally enhanced the agency's security of customer/patient information we obtain in the field by keeping information off of paper and sent to secure, encrypted servers.

Future additions to the platform will see the department transition to 100% paperless records by adding training records, vehicle maintenance records, pharmacology tracking, and personnel certification tracking, all on the IMS platform, with a tentative target completion date of September 2018.

As a note, Beachwood Department of Fire-Rescue performed extensive research when selecting the initial tablet-based platform (FireHouse Software's FHMedic), with a target start date of January 1, 2017. Several delays saw the launch date of FHMedic pushed to February 1, 2017, with no actual delivery of the tablet based licenses in the 2017 calendar year. As a result, BFD personnel reopened the vendor search and selected IMS (iPad Mobile Solutions), which launched department-wide on October 1, 2017 without incident and is currently used today.

Lieutenant Chad Thompson

*\*\*The unforeseen use of multiple (3) reporting systems during the 2017 year has proven to be a challenge on our data gathering processes. It is important to note that some in depth analytical data for 2017 was extremely difficult to obtain and in some cases, just not possible. This year's report may not contain all of the run data that is normally provided for this reason.*

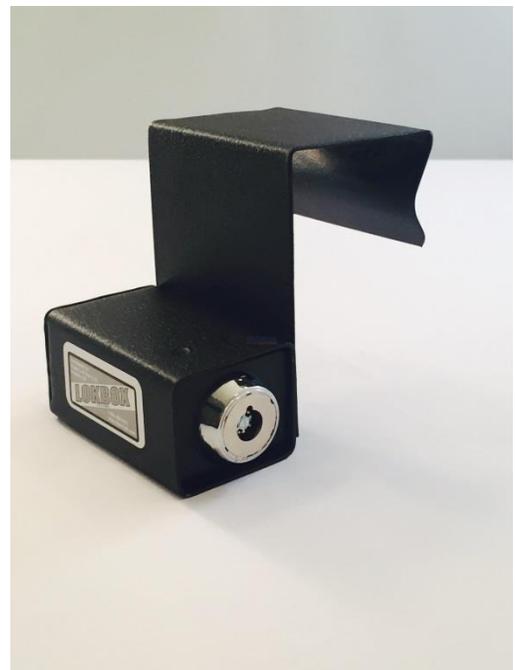
## Residential Lock Box Program



The Beachwood Fire Department launched the residential lock box program for Beachwood residents in August of 2017. This program is designed to give our Firefighters & Paramedics faster access to our senior and handicapped residents who might experience an emergency in their home where they are unable to unlock the door. The lock box reduces the risk of property damage that could be incurred by first responders forcing entry into the home to get to the emergency situation. More importantly, it saves precious minutes in a medical emergency that would otherwise be wasted attempting to gain access to an immobile patient in a locked home.

The lockbox is a small, secure metal box which is installed over a resident's door and contains a key to the home. In the event the over-the-door model is unable to be used, we also offer a box that can be mounted by the door as an alternative. The box is locked by a unique key that can only be accessed by the Beachwood Fire Department. The boxes are very safe and durable. These boxes are only accessed by Fire Department emergency personnel in the event of an emergency; at no other time is this box accessed by anyone.

Lock boxes are sold at the Fire Department for \$30. A total of 85 residents are currently taking advantage of this life safety program.



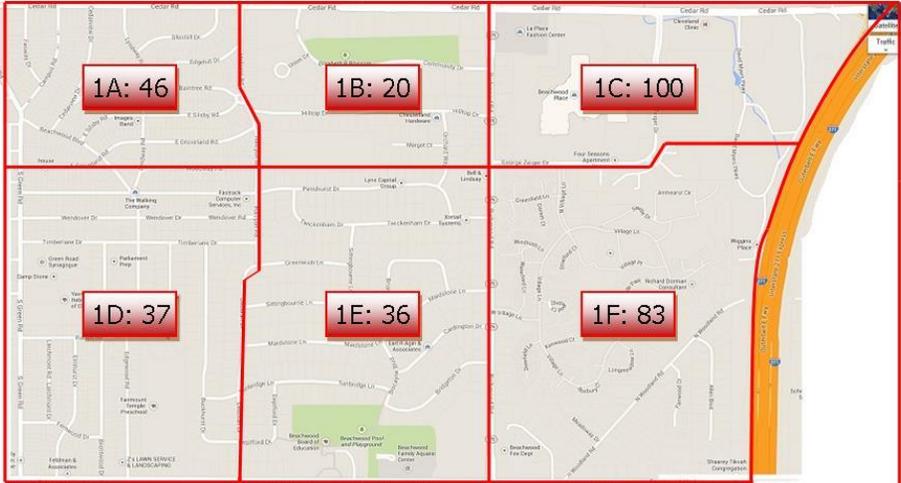
Rebecca Globokar



# CALLS FOR SERVICE: FIRE RESPONSE



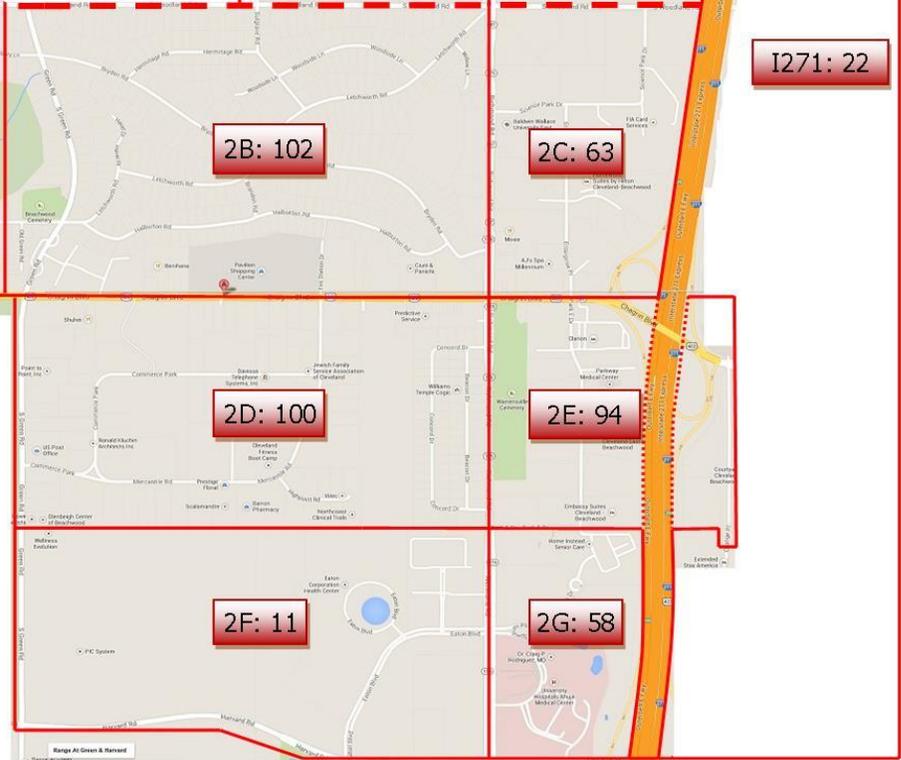
**Fire Response  
by Zone  
2017**



Fire Response: District 1  
391



Fire Response: District 2  
457



## Fire Incidents for 2017 by Type of Incident

### Type 1 - Fire

	#	% of incidents
111 – Building fire	4	0.46%
113 – Cooking fires contained	3	0.34%
131 – Passenger vehicle fire	10	1.15%
132 – Road freight or transport vehicle fire	2	0.23%
140 – Natural vegetation fire, other	13	1.49%
151 – Outside rubbish, trash or waste fire	1	0.11%
154 – Dumpster or other outside trash receptacle fire	4	0.46%
162 – Outside equipment fire	1	0.11%
<b>Totals</b>	<b>38</b>	<b>4.37%</b>

### Type 2 – Overpressure, Rupture, Explosion, Overheat (no fire)

	#	% of incidents
210 – Overpressure rupture from steam, other	1	0.11%
251 – Excessive heat, scorch burns with no ignition	2	0.23%
<b>Totals</b>	<b>3</b>	<b>0.34%</b>

### Type 3 – Rescue

	#	% of incidents
353 – Removal of victim from elevator	33	3.79%
<b>Totals</b>	<b>33</b>	<b>3.79%</b>

### Type 4 – Hazardous Condition

	#	% of incidents
411 – Gasoline/flammable liquid spill	9	1.03%
412 – Gas leak (natural or LPG)	19	2.18%
413 – Oil or other combustible liquid spill	1	0.11%
424 – Carbon monoxide incident	4	0.46%
440 – Electrical wiring/equipment problem	28	3.22%
442 – Overheated motor	11	1.26%
444 – Power line down	17	1.95%
445 – Arching, shorted electrical equipment	23	2.64%
461 – Building or structure weakened	3	0.34%
462 – Aircraft standby	40	4.60%
463 – Vehicle accident, general cleanup	1	0.11%
<b>Totals</b>	<b>156</b>	<b>17.93%</b>

### Type 5 – Service Call

	#	% of incidents
500 – Service call, other	18	2.07%
511 – Lock-out	3	0.34%
512 – Ring or jewelry removal	1	0.11%

520 – Water problem, other	8	0.92%
521 – Water evacuation	1	0.11%
522 – Water or steam leak	15	1.72%
531 – Smoke or odor removal	5	0.57%
542 – Animal rescue	3	0.34%
550 – Public service assistance, other	9	1.03%
551 – Assist police or other agency	6	0.69%
553 – Public service	9	1.03%
554 – Assist invalid	16	1.84%
555 – Defective elevator, no occupants	15	1.72%
561 – Unauthorized burning	5	0.57%
<b>Totals</b>	<b>114</b>	<b>13.10%</b>

**Type 6 – Good Intent Call**

	#	% of incidents
600 – Good intent call, other	105	12.07%
611 – Dispatched and cancelled en route	17	1.95%
622 – No incident found on arrival	12	1.38%
650 – Steam, other gas mistaken for smoke	1	0.11%
651 – Smoke scare, odor of smoke	11	1.26%
652 – Steam, vapor, fog or dust	3	0.34%
<b>Totals</b>	<b>149</b>	<b>17.13%</b>

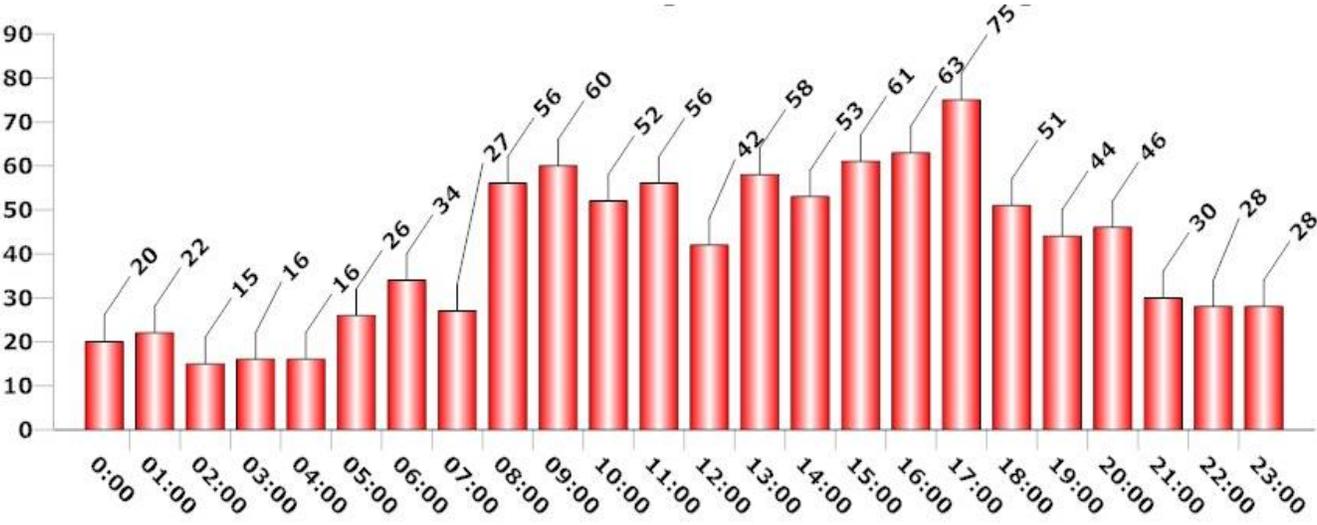
**Type 7 – False Alarm and False Call**

	#	% of incidents
710 – Malicious, mischievous call, other	7	0.80%
730 – System malfunction, other	1	0.11%
731 – Sprinkler activation due to malfunction	7	0.80%
733 – Smoke detector activation, malfunction	60	6.90%
734 – Heat detector activation, malfunction	10	1.15%
735 – Alarm sounded, malfunction	64	7.36%
736 – CO detector activated, malfunction	7	0.80%
740 – Unintentional transmission of alarm	27	3.10%
743 – Smoke detector activation, no fire	143	16.44%
744 – Detector activation, no fire, unintentional	13	1.49%
745 – Alarm system activation, no fire	35	4.02%
746 – CO detector activation – no CO	3	0.34%
<b>Totals</b>	<b>377</b>	<b>43.33%</b>

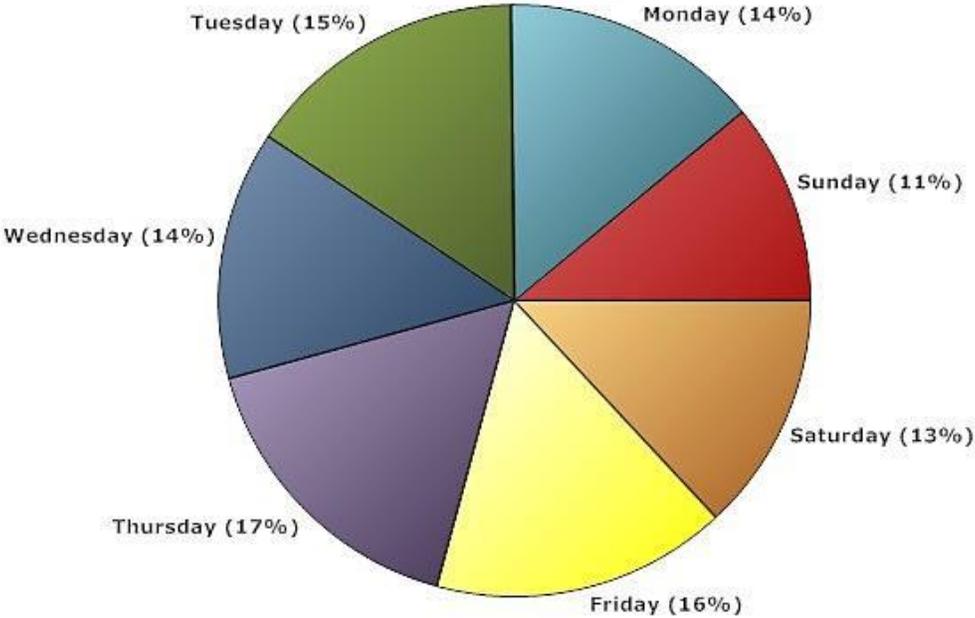
**Type 8 – Severe Weather & Natural Disaster**

	#	% of incidents
<b>Totals</b>	<b>0</b>	<b>0</b>

### Fire Calls by Time of Day



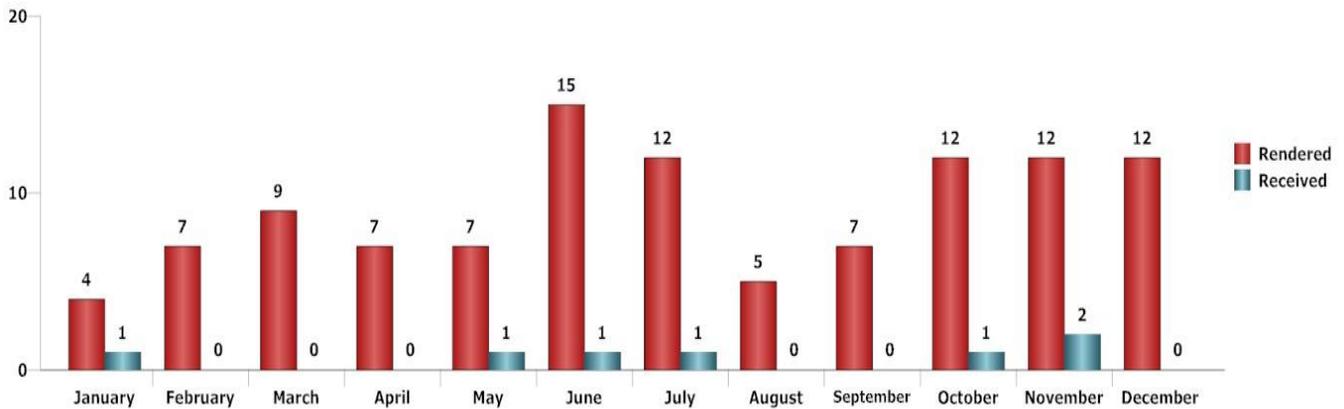
### Fire Calls by Day of Week



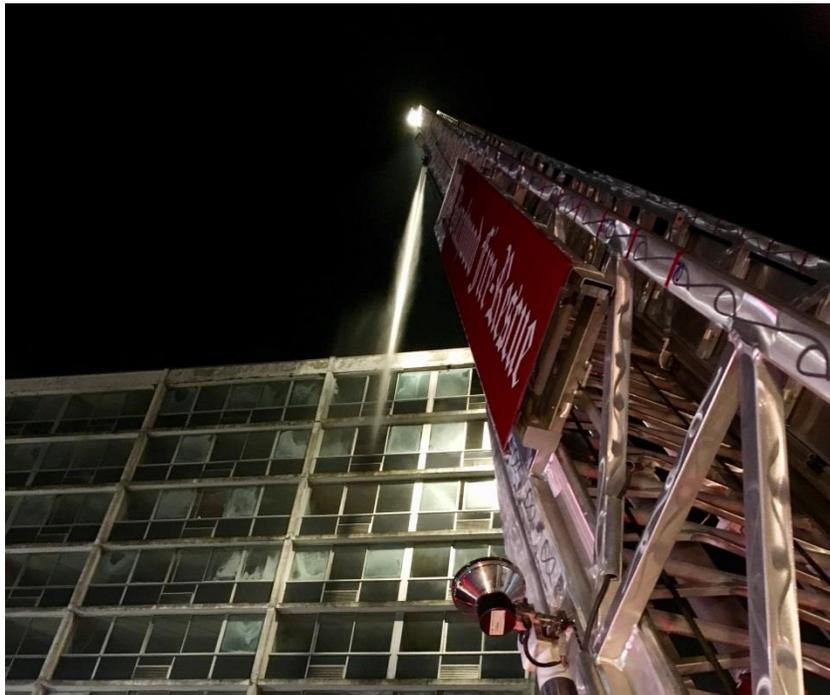
## Mutual Aid

The City of Beachwood and its surrounding communities have an agreement to assist each other in times of need, whether all vehicles are out handling other emergency calls when a new call comes in, or a fire or EMS incident requires additional manpower to safely and effectively handle the call. This agreement allows each community to keep costs at a reasonable level while still ensuring that its citizens are protected and provided for in times of extreme need.

### 2017 Fire Mutual Aid



**Total Fire Mutual Aid Calls Rendered: 109**  
**Total Fire Mutual Aid Calls Received: 7**



**November 27<sup>th</sup> Mutual aid fire response to North Randall**

## Fire Training

In 2017 the Beachwood Department of Fire-Rescue continued to provide the most up to date, safest and proficient training possible. The department strives to maintain the highest levels of training for our members. This training is accomplished in-house, online, from outside instructors and by attendance to local and national conferences and seminars. The Department



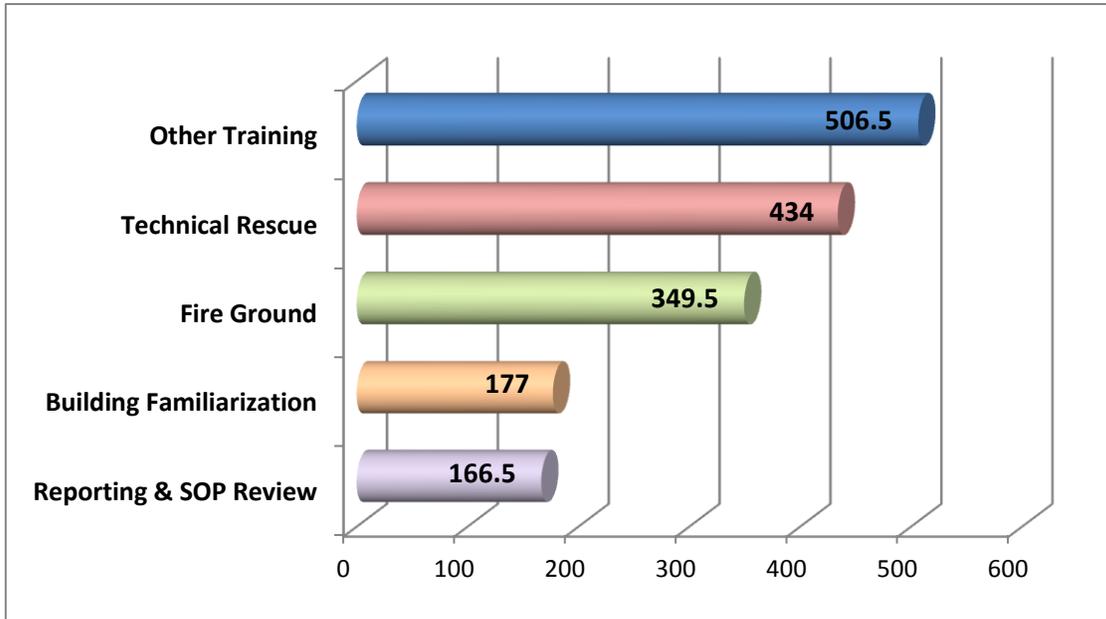
**Ladder Operations Training**

bases the curriculum on the industry standards set forth at the local, state and national levels. The Beachwood Fire Department has always stressed the need to continue to provide the best training possible. In 2017 all Officers became Blue Card Certified. This in depth certification process was both on line and hands on with the emphasis on Incident Command. All members were then trained on the expectations and process of utilizing this incident command system. In addition, the Ohio Fire Academy provided a Search and Rescue trailer for a week of strenuous hands on training with the emphasis on self-rescue, searching in a zero visibility atmosphere and team concepts. The Department invited neighboring communities to attend and participate in this training as well.



**Jaws of Life Training**

In 2017, the Beachwood Firefighters completed a total of 4,877 hours of training. The graph below illustrates the different types that were done. These hours do not include the technical rescue team, HAZMAT, SWAT and fire prevention hours.



**Search and Rescue Training**

Captain Scott Hank



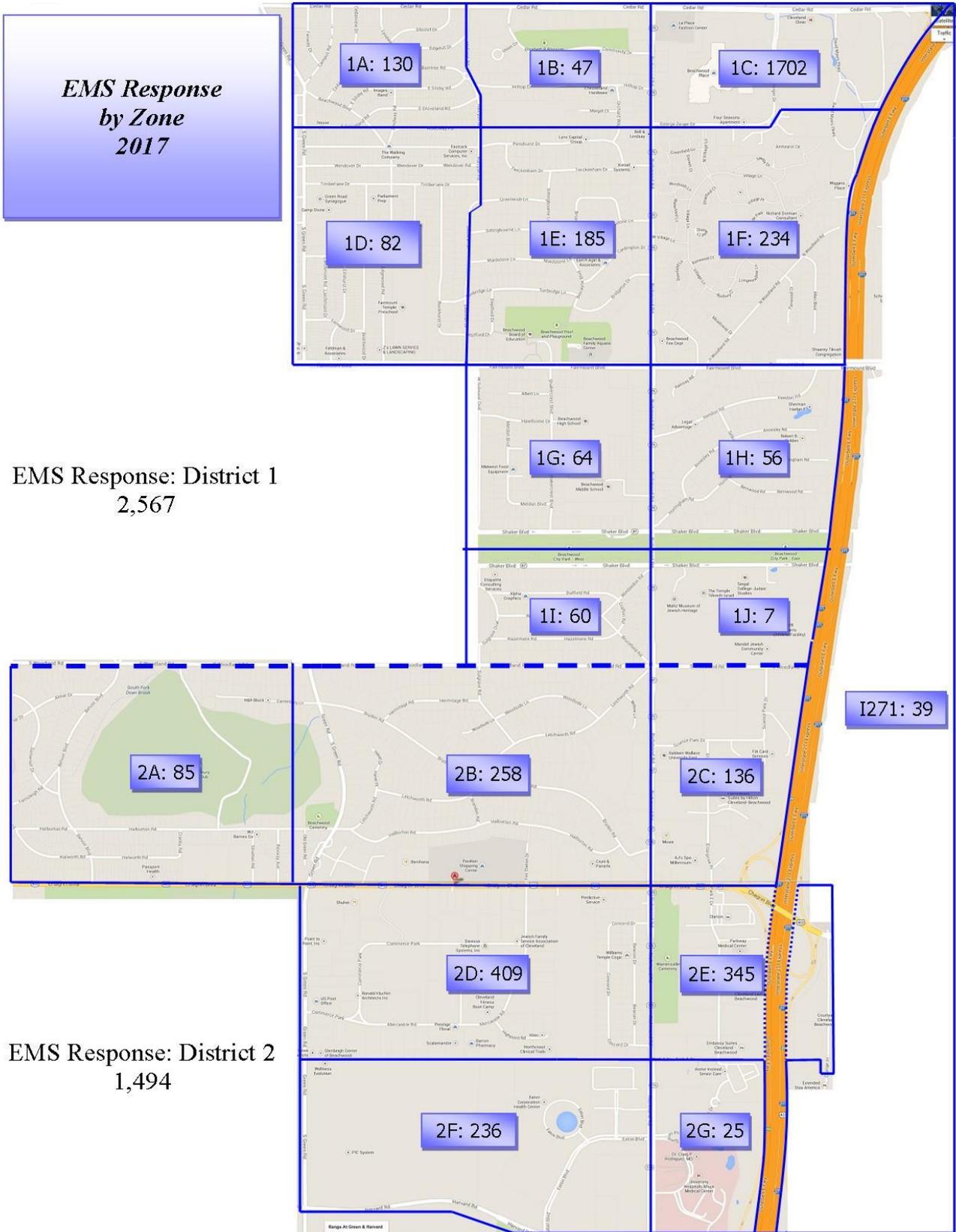
# CALLS FOR SERVICE: EMS RESPONSES



**EMS Response  
by Zone  
2017**

**EMS Response: District 1  
2,567**

**EMS Response: District 2  
1,494**



## EMS Report

2017 started with the addition of a new Ambulance. Squad 1049 was purchased from Horton Ambulance in Grove City Ohio just south of the Columbus area. The new Ambulance will allow our current staff of 42 Firefighters/Paramedics to provide and deliver efficient, progressive, performance-based emergency services to preserve life and property for our community. This is the mission of the Beachwood Fire Department and we strive to deliver EMS care with professionalism, respect, integrity, dedication, and excellence.

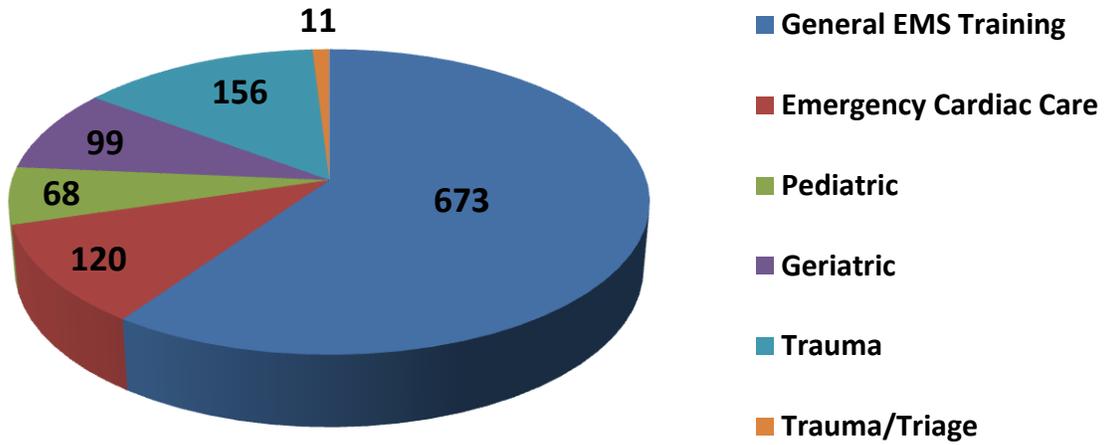
In 2017 Beachwood Fire Department was awarded a grant from The Ohio Department of Public Safety in the amount of \$3,125.00. The grant is termed a priority one grant for the purchase of emergency medical equipment and EMS training. The department purchased Rainbow pulse oximetry fingertip units for all front line apparatus. Rainbow pulse oximetry is the gold standard for measuring a patient's oxygen saturation, pulse rate, and carboxyhemoglobin (CO) levels. These fingertip devices will aid in the treatment and diagnosis of patients treated by Beachwood Paramedics.

The sixth annual NOTS (Northern Ohio Trauma Symposium) trauma symposium was attended by 5 members of the department this year. Continuing education in the field of trauma is an important part of ensuring excellent care and improving patient outcomes. NOTS is committed to providing education in trauma care to all healthcare providers in a cost effective manner.

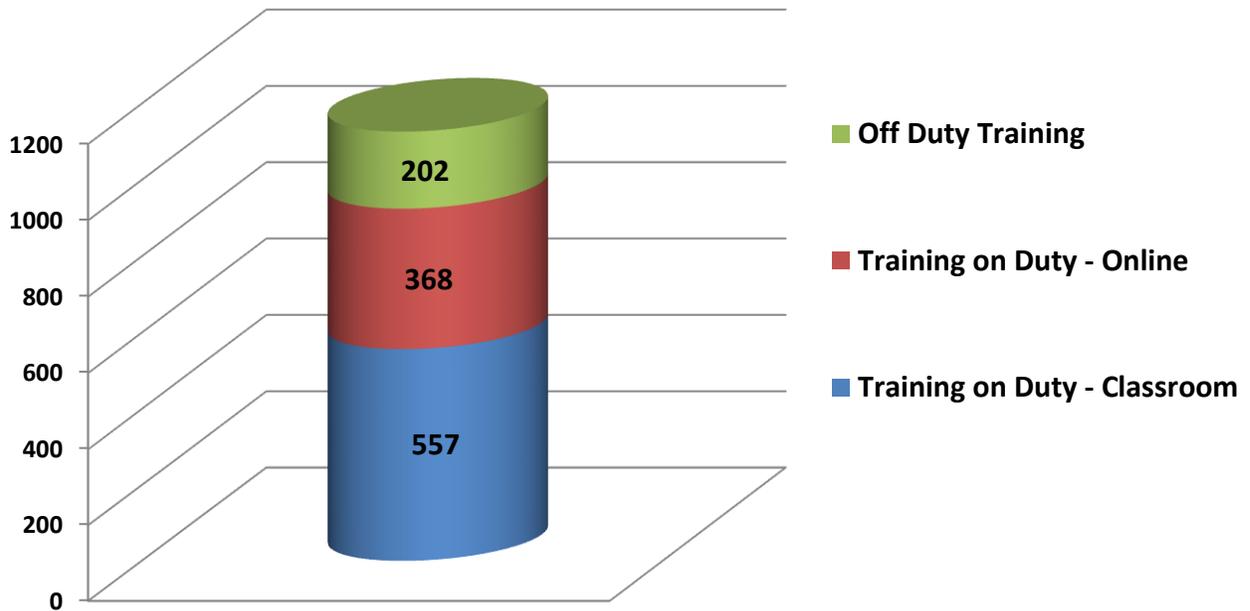
Continuing EMS training is crucial for our paramedics. It is imperative that we remain on the cutting edge of new methods and technology in regards to emergency medical treatments and response. The chart below outlines the total number of training hours provided by the Department for certification requirements for EMT- Basic and EMT- Paramedics.

<b><u>Category</u></b>	<b><u>Total Hours</u></b>
General EMS training	673
Emergency Cardiac Care	120
Pediatric	68
Geriatric	99
Trauma	156
Trauma/Triage	11

## 2017 EMS Training Hours



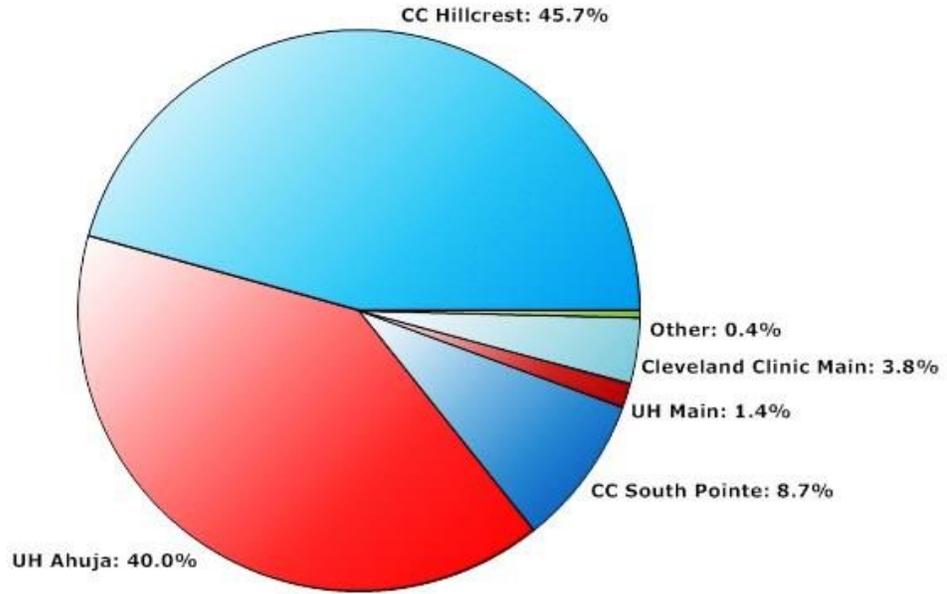
## EMS Training Hours by Delivery



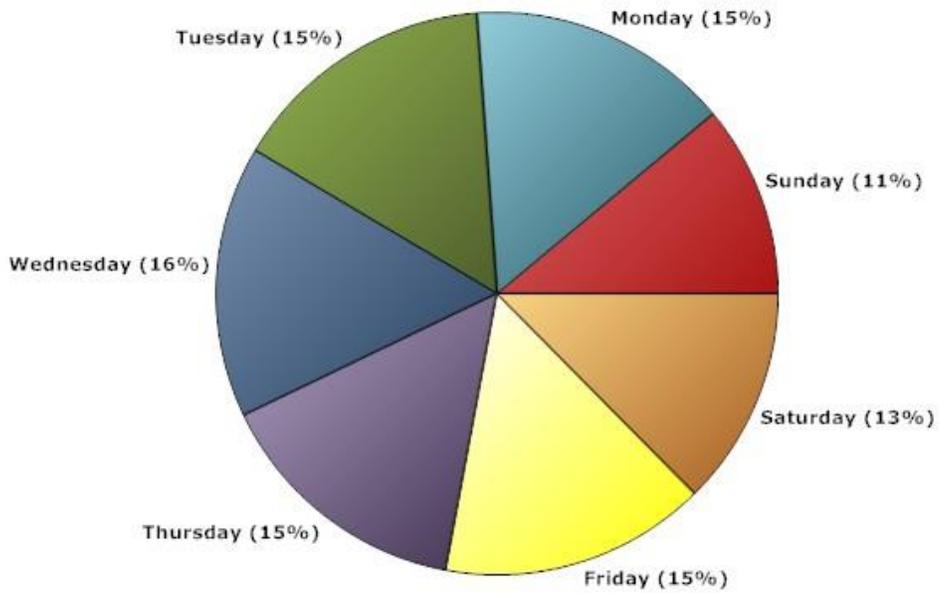
Lieutenant Mike Iacobucci

# EMS Transport Data

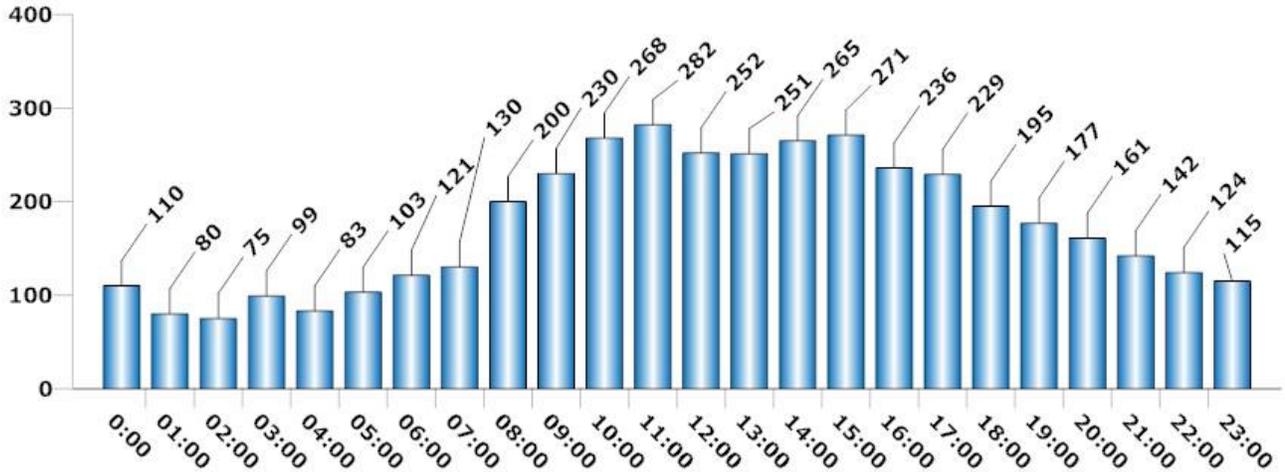
## 2017 Hospital Transports



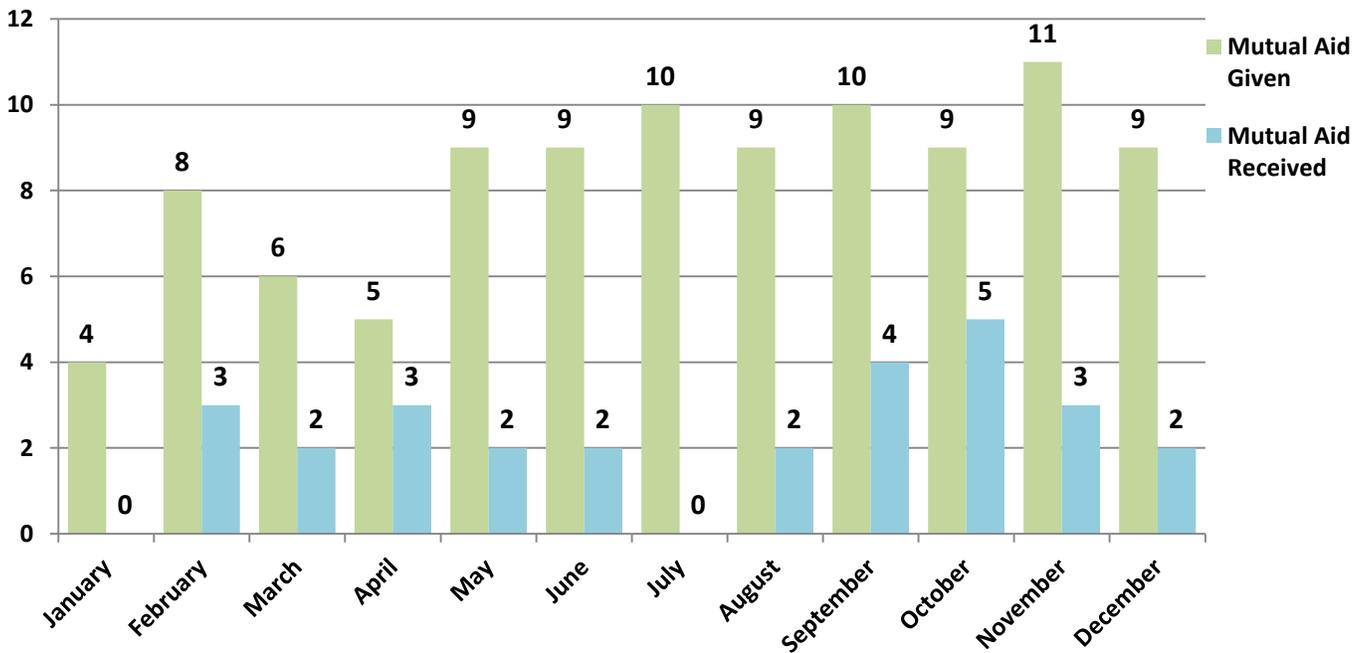
## EMS Calls by Day of Week



## EMS Calls by Time of Day



## EMS Mutual Aid by Month



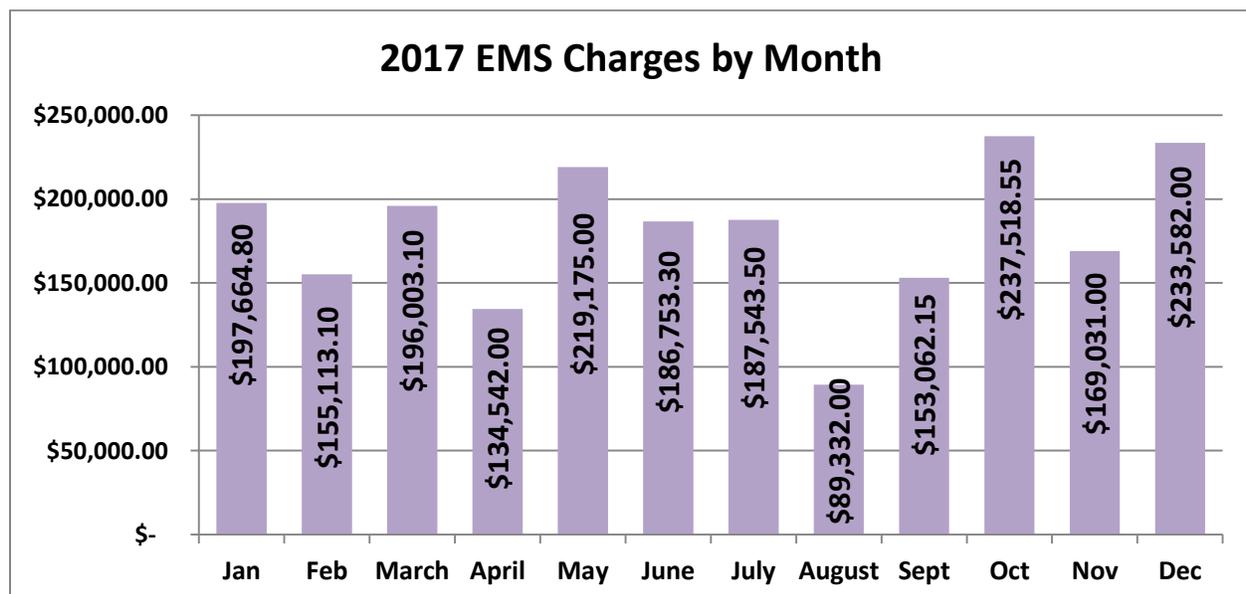
## EMS Partial Cost Recovery Program

The expense of providing EMS services to the City of Beachwood is offset by our partial cost recovery program, first established in 2005. All emergency transports provided by the City of Beachwood are billed at a rate of \$650.00 for an Advanced Life Support service (ALS) and \$550.00 for a Basic Life Support service (BLS).

Following is an outline of monies billed, received and adjusted for 2017:

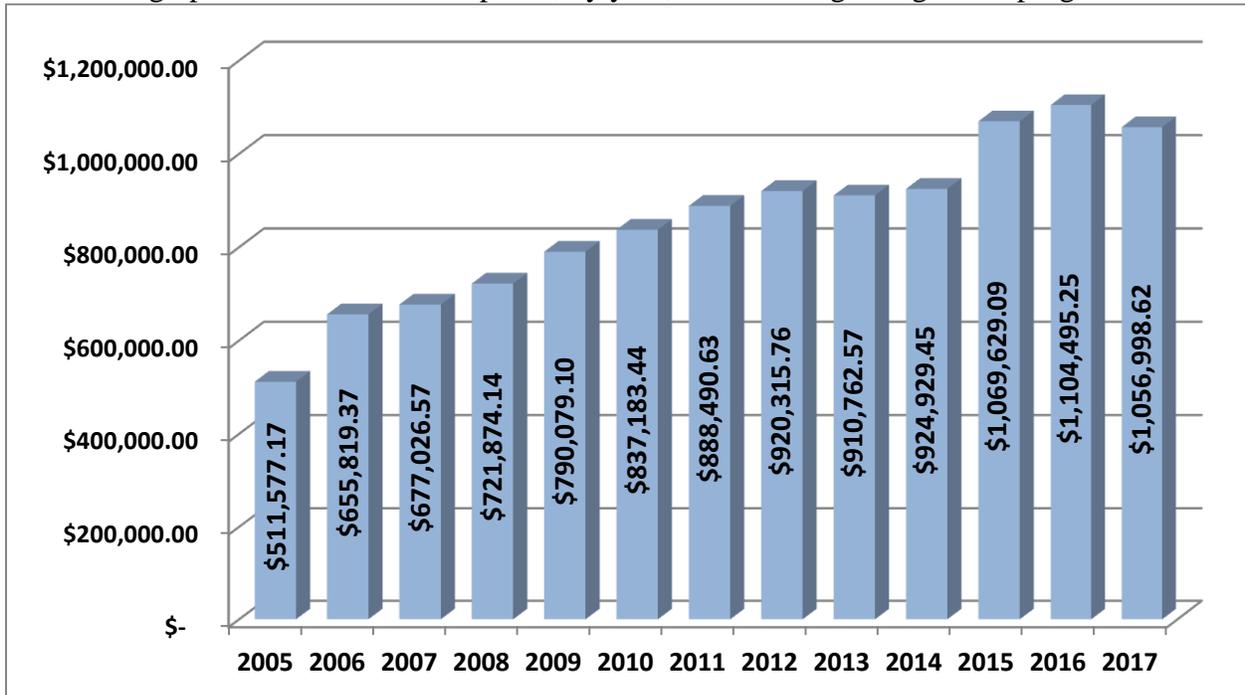
<b>2017</b>	<b>Charges</b>	<b>Deposits</b>	<b>Adjustments</b>
<b>January</b>	\$ 197,664.80	\$ 88,745.98	\$ 75,685.85
<b>February</b>	\$ 155,113.10	\$ 93,452.82	\$ 94,636.69
<b>March</b>	\$ 196,003.10	\$ 52,378.88	\$ 59,592.47
<b>April</b>	\$ 134,542.00	\$ 52,247.64	\$ 59,898.26
<b>May</b>	\$ 219,175.00	\$ 169,849.56	\$ 150,547.79
<b>June</b>	\$ 186,753.30	\$ 96,936.04	\$ 89,130.09
<b>July</b>	\$ 187,543.50	\$ 78,527.42	\$ 70,908.61
<b>August</b>	\$ 89,332.00	\$ 83,974.66	\$ 81,835.41
<b>September</b>	\$ 153,062.15	\$ 68,851.35	\$ 68,097.62
<b>October</b>	\$ 237,518.55	\$ 86,447.96	\$ 83,119.13
<b>November</b>	\$ 169,031.00	\$ 94,371.86	\$ 85,365.67
<b>December</b>	\$ 233,582.00	\$ 91,214.45	\$ 78,027.99
<b>TOTALS</b>	<b>\$ 2,159,320.50</b>	<b>\$ 1,056,998.62</b>	<b>\$ 996,845.58</b>

**The total amount of money deposited in 2017: \$1,056,998.62**



The City of Beachwood has continued to maintain the practice of billing Beachwood residents as well as individuals employed within the City through their insurance only; they are never responsible for any out of pocket costs. The money that is written off as a result of this practice, as well as contracted amounts with insurance providers, is outlined in the adjustments column of the table on the previous page. It should be noted that the adjustments that are represented in this table can date as far back as January of 2016, so these are not solely adjustments made for 2017 EMS calls; it is a sliding time frame.

The below graph outlines the total deposits, by year, since the beginning of the program in 2005:



**Total revenue generated for the City of Beachwood since the beginning of the program in 2005: \$ 11,069,181.16**

Rebecca Globokar



**EMS & FIRE**

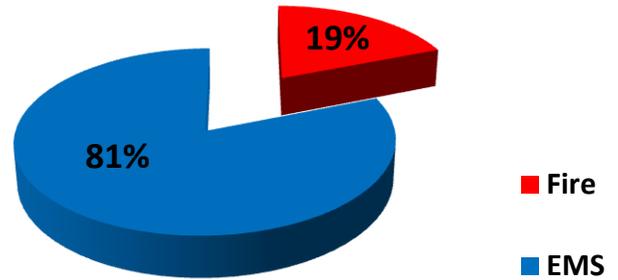
**COMBINED**

**STATISTICS**



## EMS and Fire: Statistics

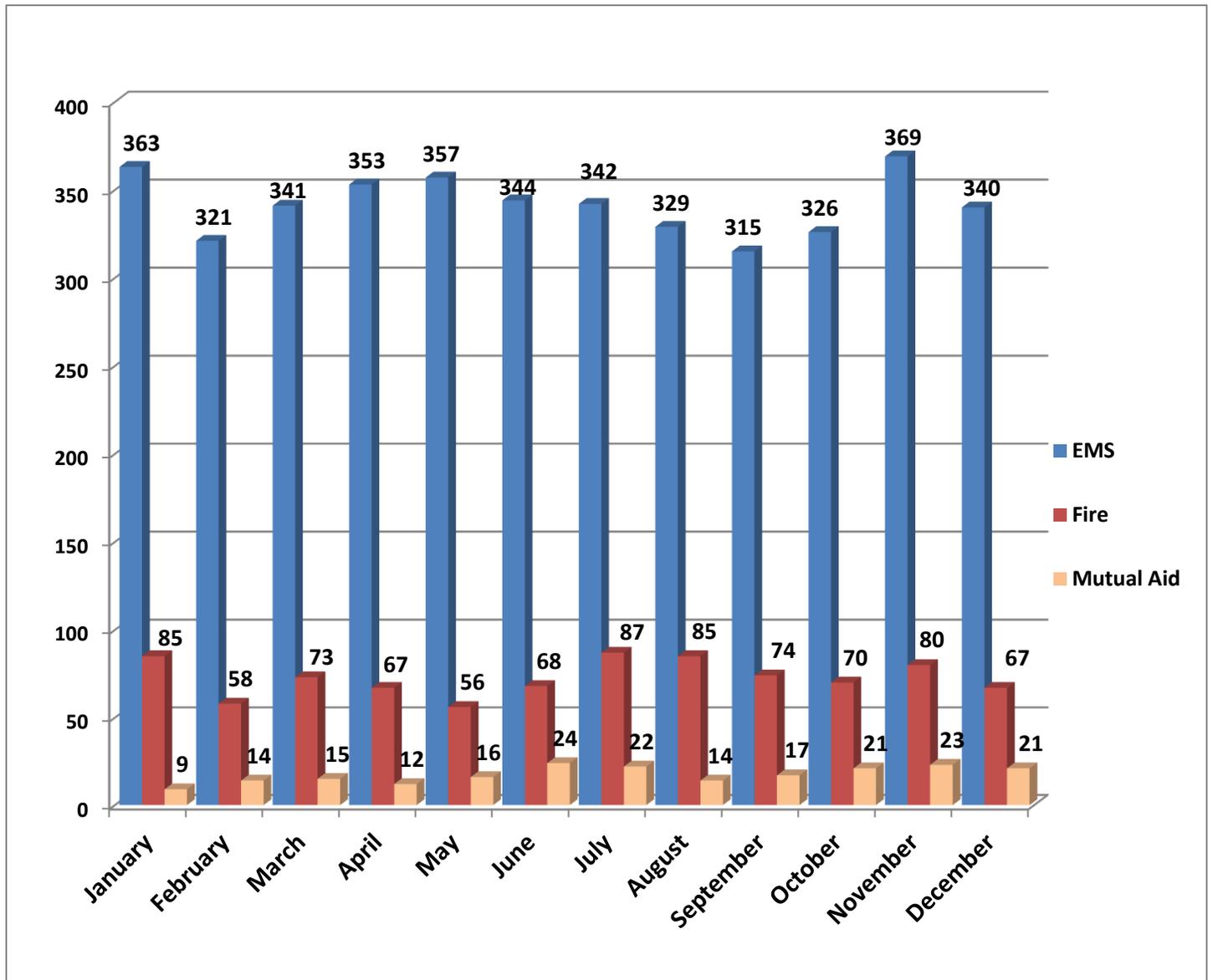
The Beachwood Department of Fire-Rescue responded to 5,178 calls for service in 2017. Of the 5,178 calls that we responded to, 4,970 were calls located in Beachwood. 208 calls were mutual aid calls to surrounding cities. The table below outlines all calls responded to for the year by station.



	Mutual Aid							
	Beachwood		Monthly Totals		Rendered		Received	
	St 1	St 2	EMS	Fire	Fire	EMS	Fire	EMS
January	266	182	368	89	4	4	1	0
February	213	166	328	65	7	8	0	3
March	252	162	346	82	9	6	0	2
April	227	193	357	74	7	5	0	3
May	252	161	364	63	7	9	1	2
June	257	155	353	83	15	9	1	2
July	259	170	351	99	12	10	1	0
August	258	156	339	90	5	9	0	2
September	231	158	324	81	7	10	0	4
October	249	147	344	82	12	9	1	5
November	271	178	378	92	12	11	2	3
December	259	148	347	79	12	9	0	2
<b>Totals</b>	<b>2994</b>	<b>1976</b>	<b>4199</b>	<b>979</b>	<b>109</b>	<b>99</b>	<b>7</b>	<b>28</b>

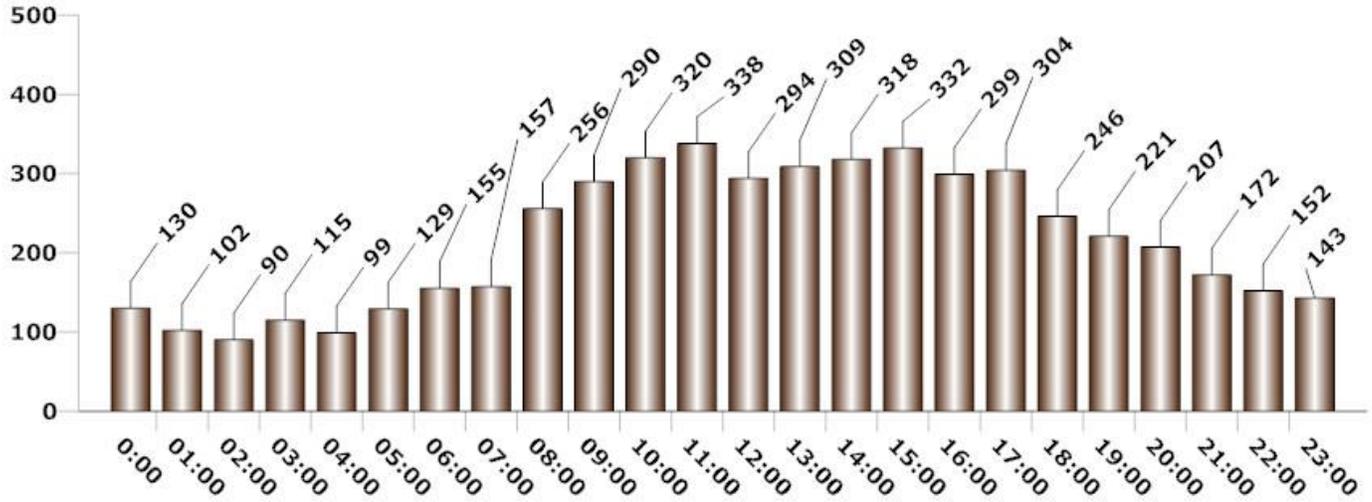
*\*\*As mentioned in the Department reporting software report, the unforeseen use of multiple (3) reporting systems during the 2017 year has proven to be a challenge on our data gathering processes. It is important to note that some in depth analytical data for 2017 was extremely difficult to obtain and in some cases, just not possible. This year's report may not contain all of the run data that is normally provided for this reason.*

The graph below outlines all run totals by month for 2017:

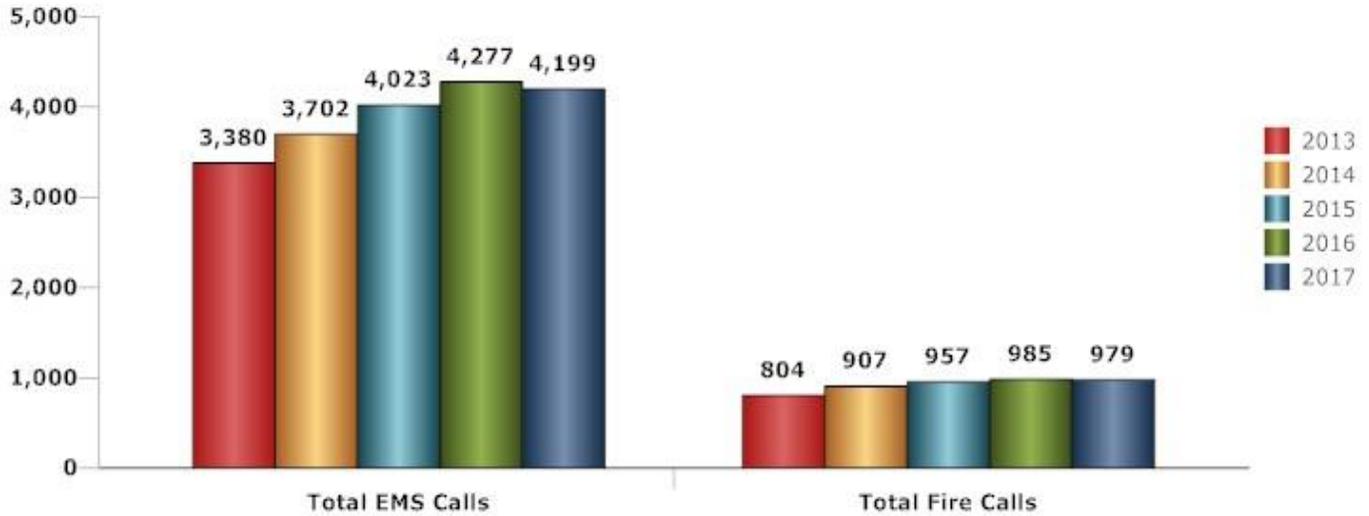


The following graphs outline data for both EMS and Fire calls combined:

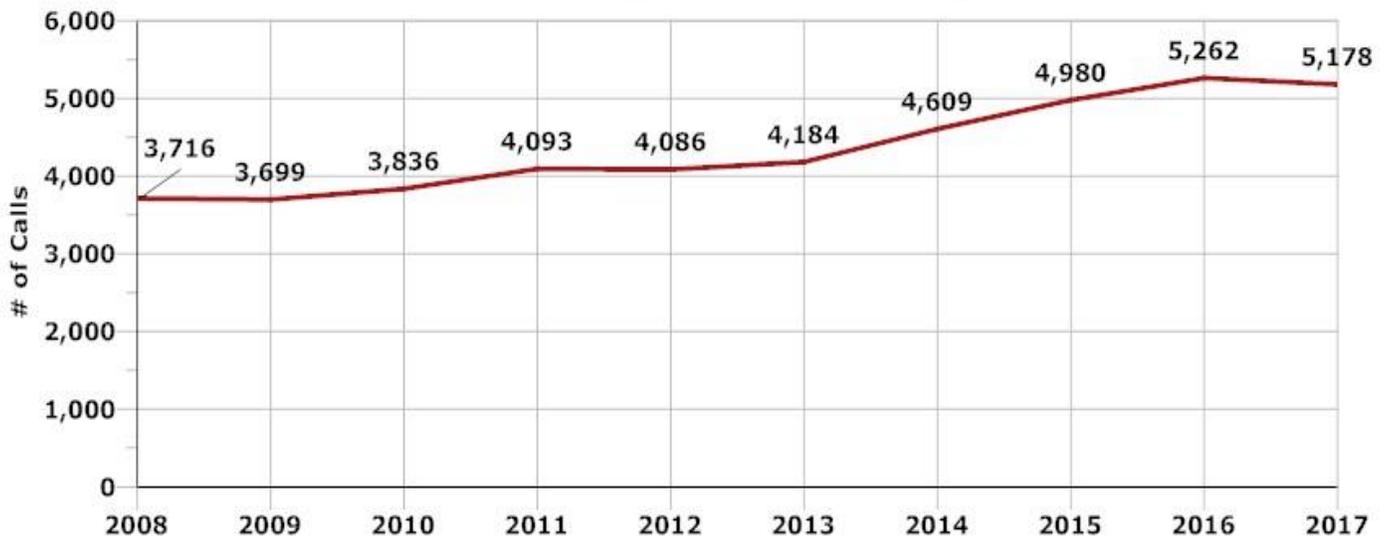
## Calls by Time of Day



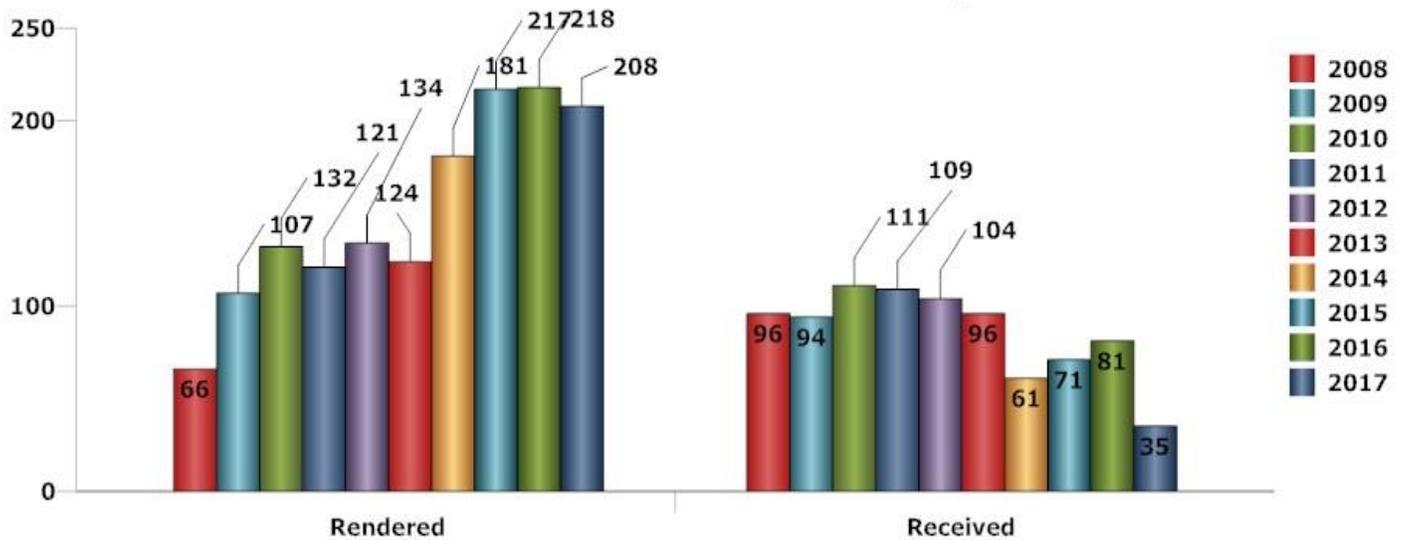
## Fire and EMS Comparison



# 10-Year Response Comparison



# 10-Year Mutual Aid Comparison



# FIRE PREVENTION REPORT



## Fire Prevention

The Beachwood Bureau of Fire Prevention supports the mission of the Fire Department through fire inspections and code enforcement. Emphasis is given to education during the code enforcement process to ensure managers and owners are aware of the necessity for the required fire prevention measures. Fire Prevention inspections for enforcement of the fire code allow for:

- Identification of unsafe property and conditions, such as improper storage and inadequate suppression.
- Identification and remediation of impaired fire protection systems and alarm systems.
- Ensure that code requirements for functional testing are adhered to in a timely manner.

The Bureau of Fire Prevention also assists in building familiarizations, where department members conduct a walk-through “pre-plan” of various occupancies and buildings in the City. This is to ensure familiarity with floor plans, hazards, occupancy loads and distributions, and approaches.

The Bureau of Fire Prevention is a member of the Hillcrest Regional Fire Investigation Strike Force and the Northeast Ohio Fire Prevention Association (NEOFPA) which allows the surrounding communities to pool resources and talent in the investigation of fires and provides valuable networking in areas of continuing education. Assistant Chief Lutz is currently serving his fourth term in the position of Vice President of the NEOFPA. His position on the Executive Board provides invaluable insights into state and regional code changes and educational opportunities.

### Other Duties of the Bureau of Fire Prevention:

- Conducting pre-inspection and acceptance testing on all new or modified fire lines and standpipes, sprinkler, kitchen hood suppression and fire alarm systems.
- Witnessing annual and semi-annual testing on existing systems.
- Fire and arson investigation to determine origin, cause, and circumstances of fires.
- Coordination of investigations and/or filing criminal charges with appropriate authorities.
- Reviewing architectural plans on all new construction, building renovations, and new or upgraded fire protection systems to ensure compliance with applicable fire safety codes and standards.
- Reviewing plans and reporting on findings as part of the Planning and Zoning process to ensure fire prevention related items are in place and adequate before final plans are submitted for approval.

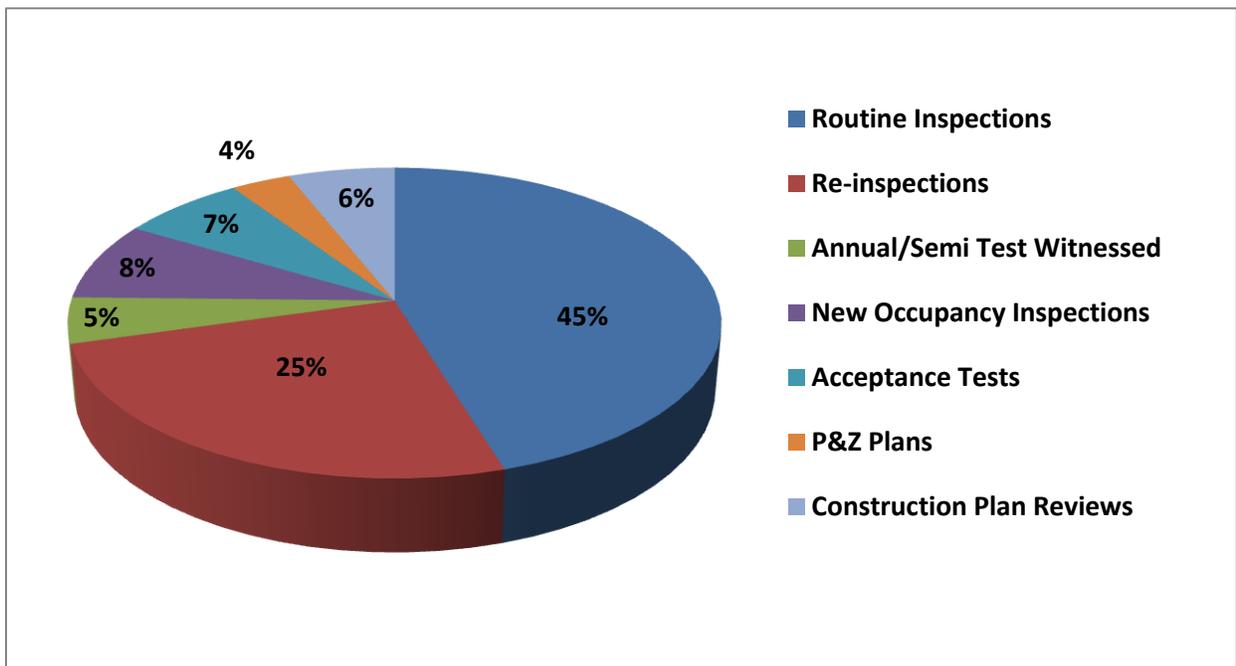


- On site observation and inspection during the construction process to ensure all underground and above ground fire protection piping is installed to NFPA standards.

## Inspections Conducted

345 hours were dedicated to new construction and over 1,489 inspections, systems tests, and other Fire Prevention procedures were performed by the Fire Prevention Bureau in 2017. The Fire Inspectors also assisted in the resolution of various alarm, sprinkler, and safety concerns brought to their attention by firefighters, the Police Department, and the general public.

The chart below indicates the percentage of inspections/activities performed in 2017



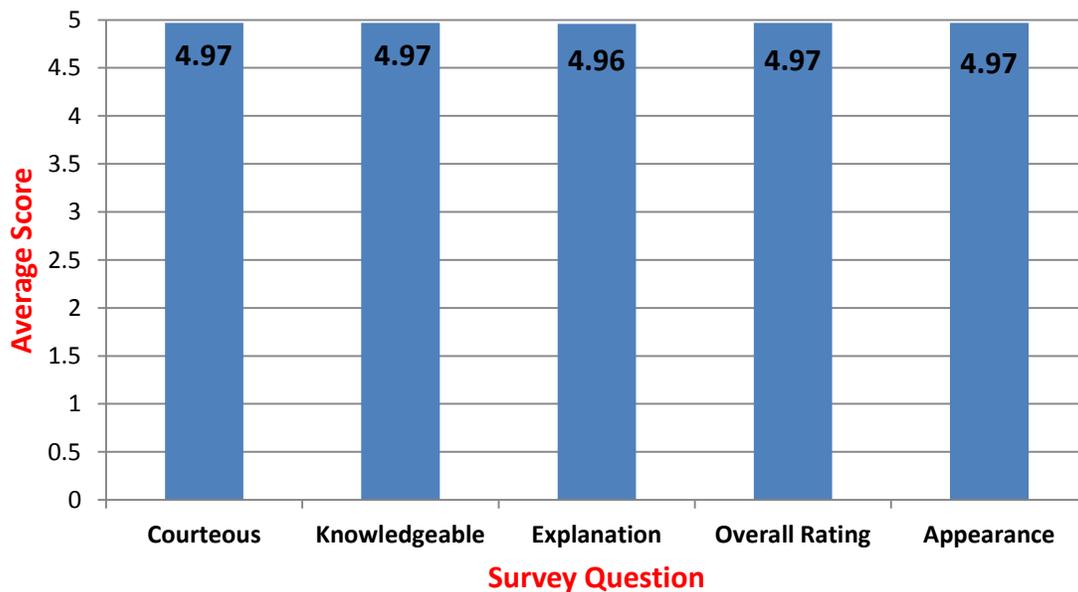
By building working relationships and educating business owners, managers, and facilities workers, the Fire Prevention Bureau takes great pride in attempting to decrease the number of violations discovered each year. Educating our businesses in Fire Prevention greatly reduces major hazards. With a continued effort to decrease violations and commercial fire alarm response, the Fire Prevention Bureau continues the objectives of education and prevention in the City of Beachwood.

## 2017 Fire Investigations Conducted

<u>Date</u>	<u>Address</u>	<u>Cause</u>
January 13th	23314 E. Baintree	Accidental
October 17th	26023 N. Woodland	Accidental

### Fire Prevention Customer Satisfaction Survey

Our success depends upon meeting the needs of our customers. The Commission on Fire Accreditation International considers customer surveys to be an essential component of all Accredited Agencies. Our customer's feedback helps us to improve our service and ensures that we continue to meet our customer's needs and maintain our Accredited Status. The chart below gives you the average scores that the inspectors received on a 0-5 scale in 2017.



## Fire Prevention Permits

Annual permits are issued to City businesses in order to track the use of hazardous and flammable materials that are stored in reportable quantities or any manufacturing process that may be deemed hazardous by the Ohio Fire Code. Annual permits are also issued for places of assembly such as temples, schools, and restaurants. Occupancies that have the ability to have large gatherings must be monitored for issues of general safety and egress.



Special permits are issued to companies and persons doing limited-time work or holding special events in Beachwood. These permits alert the Department of Fire-Rescue to the temporary gathering of large numbers of people and/or use of chemicals, materials and hazardous or flammable procedures, such as welding and storage of propane or other fuels for heat or construction use. Fire Prevention Bureau personnel inspect each site requiring special permits to ensure that all required safety devices and precautions are present and observed.

In 2017, the Beachwood Department of Fire-Rescue collected \$3,075.00 in both annual and special permit fees. Numerous additional fees for Fire Prevention are collected through the Building Department.

## Fire Prevention Training

The State of Ohio mandates that Fire Inspectors must attend 30 hours of continuing education over a 3 year period. Inspectors are also required to maintain firefighter II certification which requires an additional 54 hours of continuing education. This comes to a total of 84 hours over a three year period. As stated earlier, our participation in the Northeast Ohio Fire Prevention Association provides our inspectors with monthly opportunities to obtain this valuable training. Examples of training acquired in 2017 are listed below:

Fire and Life Safety Educator I	February 7 <sup>th</sup> – 9 <sup>th</sup>	31.0 hrs.
Arson Case Management	July 11 <sup>th</sup> – 13 <sup>th</sup>	22 hrs.
Continuing Education collectively accumulated	2017	72 hrs.

We will continue to keep current with new methodologies and technologies in the fire investigative and inspection fields to provide the best service possible to the residents of Beachwood.

Assistant Fire Chief Shaun Lutz

SPECIAL OPERATIONS  
REPORTS



## Technical Rescue

During 2017, the two technical rescue teams that the City sponsored officially combined. The Hillcrest Technical Rescue Team (HTRT) combined with the Heights Area Special Rescue Team (HASRT) to become the Heights Hillcrest Technical Rescue Team (HHTRT). This combination of the two entities will be advantageous for the City not only economically, but also with manpower, equipment and vehicles. The HHTRT now has members with training in specialized operations from 15 departments. Our department supplies the team with 6 members. These members will respond for call outs while on duty. The main purpose of the HHTRT is to provide the department with a level of expertise in technical rescue that is routinely not available to departments. The technical rescue areas of service are for the calls that are beyond the capabilities of a suburban department.

In addition to the duties of our members with the HHTRT we also have personnel that are members of the County Urban Search and Rescue Team (USAR). USAR provides service to Cuyahoga, Summit, Lake, Lorain and Geauga counties.

### Training

Training topics covered in 2017 were: rope rescue, dive/boat operations, trench rescue, confined space rescue, collapse rescue, and ice rescue. The annual goal is to ensure that members have training in all the disciplines that the team currently offers. This combined effort has assured all members receive the same training and procedures. USAR training was combined into the monthly drills that the teams currently conduct. Training is conducted monthly with most drills on three consecutive days. This gives the departments the ability to have members attend one of the days.

<b>DISCIPLINE</b>	<b>HOURS</b>
Rope Rescue	48
Confined Space	72
Trench Rescue	24
Structural Collapse	48
Dive/Boat Ops	32
Ice rescue/Swiftwater	42

An additional 14 hours of training was conducted for inventories.

The total training hours obtained by the department members: 434

## Request for Service

The amount of callouts for 2017 was low compared to previous years. In 2017 the HHTRT was requested and responded to only 4 calls for service.

<b>Nature of Call</b>	<b>Location</b>
Vehicle into a Commercial Building	Mayfield Village
Vehicle in a house (Structural Collapse)	Richmond Heights
Remove bariatric patient from home	Garfield Heights
Swiftwater rescue then body recovery	Bedford Heights for 3 days

Captain Scott Hank

## Hazmat

The definition of HAZMAT (Hazardous Materials) is “a material or substance that poses a danger (hazard) to life, property, or the environment if improperly stored shipped or handled.” In our current world political climate, this could be broadened to state “material intentionally or unintentionally weaponized, disposed of, or disseminated.” But, more hazardous materials exist and are used for beneficial purposes on a daily basis and in every home and business throughout our country in the form of chemicals, fertilizers (oxidizers), and biological/medical agents (used to heal and research). The positive far outweighs the negative, creating a constant need for preparedness should a HAZMAT incident, big or small, arise in our community.



The Beachwood Department of Fire-Rescue prides itself on being an “all-hazards” response agency for its community and the many people we serve. As such, our department personnel are mandated to have a minimum level of HAZMAT-Operations level training, with our goal being a 100% HAZMAT-Technician level certification within a three year window of initial employment. Our department currently boasts a 99% HAZMAT-Technician level among line-personnel with the remaining members scheduled to obtain Technician level certification in 2018. Furthermore, 33% of our line-personnel are trained to Specialist level in one or multiple area (WMD/CBRNE, Explosives/IED, Rail Car, Cargo/Containers, and Radiological).

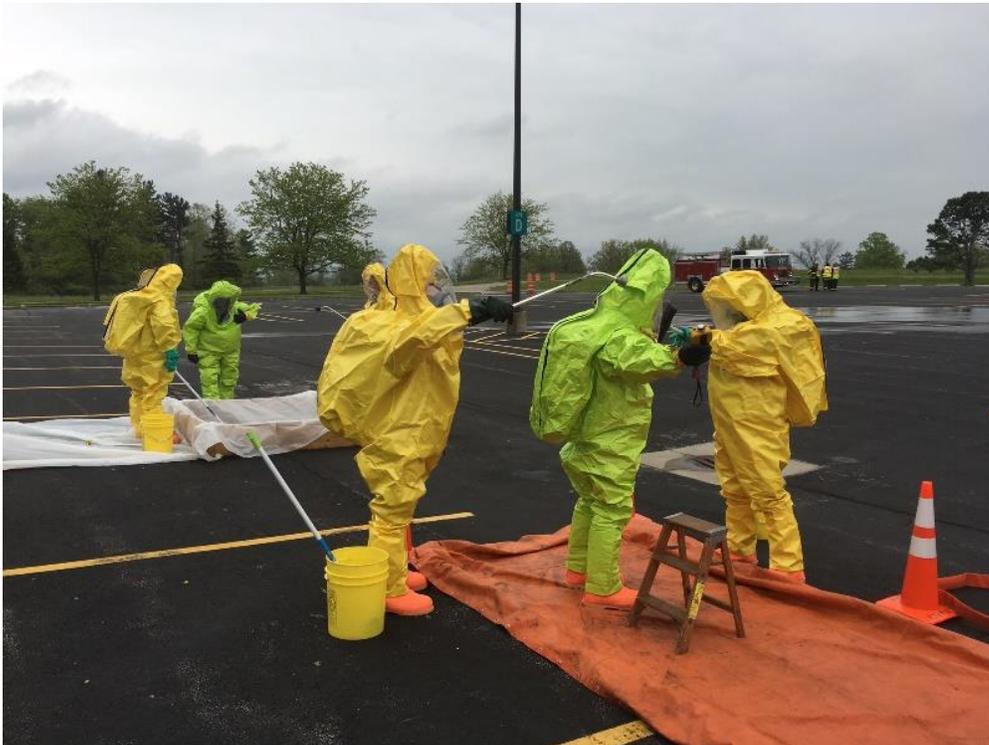
Beachwood Fire-Rescue also provides three members to the Southeast/Chagrin Regional HAZMAT Response Team, which covers all eastern communities and Hillcrest region communities. In 2017, FF. Brooks was promoted to the HCO (HAZMAT Control Officer) within the Southeast/Chagrin Regional HAZMAT Response Team, furthering the knowledge, safety, and capabilities of our line-personnel within the city.

Beachwood's Southeast/Chagrin Regional HAZMAT Response Team Members:

- Lieutenant Chad Thompson C-Shift
- Firefighter Jason Brooks B-Shift
- Firefighter Luke Ockenden A-Shift

In 2017, Beachwood had two (2) minor HAZMAT incidents with zero (0) incidents requiring the Southeast/Chagrin Regional HAZMAT Response Team. These incidents were handled by the trained members of our department and mitigated without issue.

Southeast/Chagrin Regional HAZMAT Response Team experienced twenty-four (24) calls for service in 2017, with four (4) incidents requiring full team call-outs to control the incident.



Lieutenant Chad Thompson

## Public Relations

During 2017, the Beachwood Department of Fire-Rescue engaged the community in various events and activities to educate the public on topics related to fire safety and injury prevention. Community events included:

- Honk n Hauling
- Beachwood Fall Fest
- Race for the Place
- Ahuja Hospital Safety Day
- Northern Ohio Innovation Expo



In addition, agency personnel also visited businesses, camps and other groups that requested fire safety training. Those groups included;

- Fundamentals Childcare Center
- City of Beachwood Day Camp
- City of Beachwood Safety Town
- Windsor Heights
- Green Road Synagogue
- Beachwood Family Eye Care
- JCC Preschool
- Shaarey Tikvah
- JCC (staff)
- Luscious Verde Cards
- Menorah Park (Adult and Child Daycare Programs)
- Home 2 Suites



Department personnel also conducted 8 station tours, attended 5 block parties, conducted 21 CPR classes for employees and businesses, and stood by at 7 Beachwood High School varsity football games.

Lieutenant Anthony Strazzo

## Honor Guard

### Members

Captain Steven Holtzman  
Lieutenant Michael Bell  
Lieutenant James Leffler  
FF Donald Balog  
FF Jason Brooks  
FF Greg Liggett  
FF Michael Lucas  
FF Dave Peterson



### 2017 Events

June 1-3, 2017

September 24, 2017

November 12, 2017

Captain Palumbo Funeral Services.

Dapp Golf Championship-Canterbury Golf Club

Veteran's Day Memorial-Green Rd Cemetery



2017 was a difficult time for the Beachwood Department of Fire & Rescue as we laid to rest one of our own. Captain Michael Palumbo served with the Beachwood Fire Department for 23 years and was an original member of the Beachwood Fire Department Honor Guard. Captain Palumbo will always be remembered for his dedication and love of the job.

The Honor Guard is our way of paying our respects to those that serve the public and in some cases give their life to serve others.

In 2017 there were 93 line of duty deaths nationwide. Our Department continues to learn from those that have died in the Line of Duty. Line of duty deaths are reviewed during training to teach our department members to operate safely in an attempt to prevent a tragedy from occurring here. All of these men and women paid the ultimate sacrifice with the hope that they could make a difference in the life of someone who needed their help. The Beachwood Fire Department Honor Guard would like to honor our fellow firefighters that have paid the ultimate sacrifice.

Captain Steve Holtzman

## Tactical Paramedics - SWAT

The Beachwood Department of Fire-Rescue provides tactical paramedics to support the E.D.G.E. (Eastern Department Group Enforcement) Regional SWAT Team comprised of the Cities of Beachwood, Euclid, South Euclid, University Heights, Shaker Heights, and Cleveland Heights. The tactical paramedic program is coordinated by Lieutenant Anthony Strazzo. Lt. Strazzo is responsible for ensuring training requirements are adhered to, coordinating the response of tactical paramedics to incidents, and acting as the liaison between the police and fire departments during SWAT situations. The overall mission of a tactical paramedic is to provide emergency and preventive care to SWAT officers during deployments and trainings. In addition, tactical medics will provide care to suspects and civilians who may become injured during incidents.

### Personnel:

Current members of the team include:

Lt. Anthony Strazzo	Lt. Matt Domonkos	FF Anthony Kustra
Lt Mike Iacobucci	FF Drew Spisak	FF Scott Frey
FF Dave Peterson		

**Activations:** During 2017, there were 81 activations of the Tactical Medics and EDGE SWAT Team. Missions were broken down into the following categories:

Narcotics Warrants: 41  
Arrest Warrants: 15  
Barricaded Persons: 4  
Homicide Arrest Warrants: 7  
Aggravated Robbery/Burglary Warrants: 14

**Total: 81**



### Training:

To meet National Tactical Officer Association (NTOA) standards, the team is required to conduct two eight hour trainings per month and conduct a 40 hour, week long training during the course of the year. These trainings focus on officer down response, self-aid, buddy-aid, team movements, weapons safety and capabilities, distraction devices, gas deployment, building searches, defensive tactics and hostage rescue situations.

Lieutenant Anthony Strazzo

## Vehicle Maintenance and Repair

The Fire Department vehicles are maintained through three levels of expertise. The first level is in house by firefighters completing daily checks and inspections, washing, waxing and minor repairs. The second level is the Beachwood Service Department mechanics for routine repairs and preventive maintenance. The third level is outside certified contractors: they complete all the testing and certifications of the fire pumps as well as the Aerials and ground ladders for operation and safety.

Due to initial success of our corrosion prevention program, we have also started treating our ambulances. We hope to limit corrosion and extend life of our vehicles.

In January of 2017 we took delivery of our newest ambulance, unit 1049. This newest ambulance is equipped with airbags and passenger restraint harnesses in the patient care area. This adds additional safety to the crew rendering patient care. Additionally, this ambulance is equipped with liquid spring technology. This technology allows better handling and better ride for our patients in the back of the unit.

1049 replaces unit 1045 which was repurposed as a tactical medic unit. This unit is used for equipment and medical supplies for our tactical paramedic program.

The committee formed to research and design a new fire truck developed a preliminary drawing. The committee is prepared to move forward with a new fire truck pending funding approval.

Below is a list of our emergency response vehicles with current mileage and assignments:

<u>Vehicle</u>	<u>Unit #</u>	<u>Miles</u>	<u>Assignment</u>	<u>2017 Cost</u>
1998 Pierce Quantum	1012	64,892	Station 1	\$2,422.49
2011 E-One HP 78	1022	35,972	Station 1	\$6,542.32
2012 E-One CR-137	1025	24,589	Station 2	\$7,124.70
2017 Horton Rescue Squad	1049	17,028	Station 1	\$820.81
2014 Horton Rescue Squad	1048	67,467	Station 2	\$5,729.85
2010 Braun Rescue Squad	1047	106,443	Station 2	\$5,111.03
2008 Braun Rescue Squad	1046	103,139	Station 1	\$2,754.06
2007 Chevy Tahoe	1052	100,589	Command Vehicle	\$244.78
2002 GMC 2500	1071	38,579	Station 1	\$270.50
2012 Ford Escape	1055	23,816	Fire Prevention	\$124.83
2012 Ford Escape	1053	29,792	Fire Prevention	\$641.53
2008 Ford Ranger	1054	34,283	Fire Prevention	\$0.00
Park Rescue	PR 1	N/A	Shaker Park	\$89.81

Lieutenant Matt Domonkos

This concludes the City of Beachwood Department of Fire-Rescue 2017 Annual Report. Please do not hesitate to contact my office if you should have any questions.

Patrick J. Kearns, Chief

Beachwood Department of Fire- Rescue

