

**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

## 2018 Roster

**Patrick J. Kearns, Chief**

**Assistant Chief**

Shaun Lutz

**Fire Prevention**

David Skrajner  
Jessica Nevison

**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 Hogya  
Michael Holtzman  
Anthony Kustra  
Gregory Liggett  
Thomas Luskin  
Bradley Majetich  
Michael McDermott  
Seth Robinson  
Benjamin Shellenbarger  
Daniel Wochele

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## Public Safety Center

After many years of discussion, planning and designing, the City of Beachwood held an open house for the new Public Safety Center on August 26, 2018. Hundreds of residents came out and toured the facility to see the many functions that operate out of the building. Rappelling



demonstrations were conducted from the training tower and the firefighters conducted tours to explain the many facets that were strategically incorporated to maximize efficiency and future growth opportunities. This building was designed to keep regionalism in mind and to meet the needs of Beachwood for many decades to come.

Fire and rescue drills have been conducted by our department

and the regional technical rescue team numerous times since the open house. The training room/emergency operations center has been used for both fire and police training and meetings. This facility will allow us to conduct drills and training with our neighboring fire departments to increase collaboration.

EOC



Station #2 Grand Opening



## **New Employees**

## Fire Department Accreditation



*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 Assistant Chief Lutz Shaun Lutz*

## International Accreditation

As a result of an extremely dedicated effort the Beachwood Department of Fire-Rescue received Accredited Agency status, for the third time in 2017, 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 258 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 and reaccredited in 2012.

The accreditation process includes a significant self-assessment, community risk assessment and a standard of cover development. The Standard of Cover is a detailed analysis of the department's performance. 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 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 appeared before 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, The Fire Prevention Officer now Assistant Chief 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 repeat this entire process in 2022 to maintain accredited status.

Lieutenant Michael Bell  
Accreditation Manager



**Commission on  
Fire Accreditation  
International**



## Department Reporting Software and Technology

In 2017 and 2018, 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.*

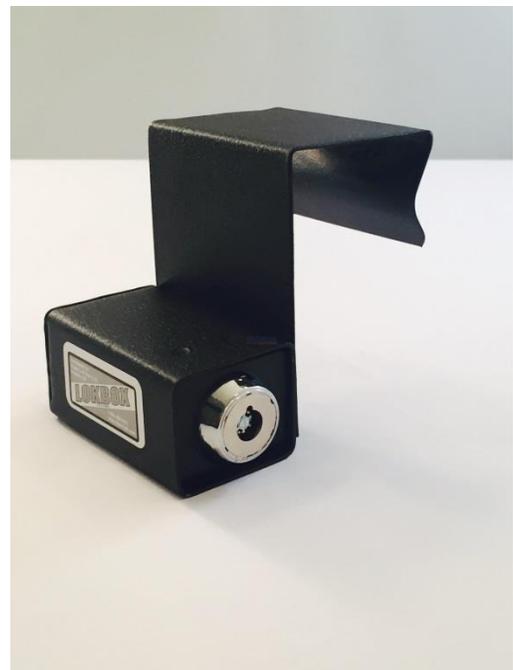
## Residential Lock Box Program



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.

In 2018 we sold for a total of that are in place and actively being used by residence of Beachwood.

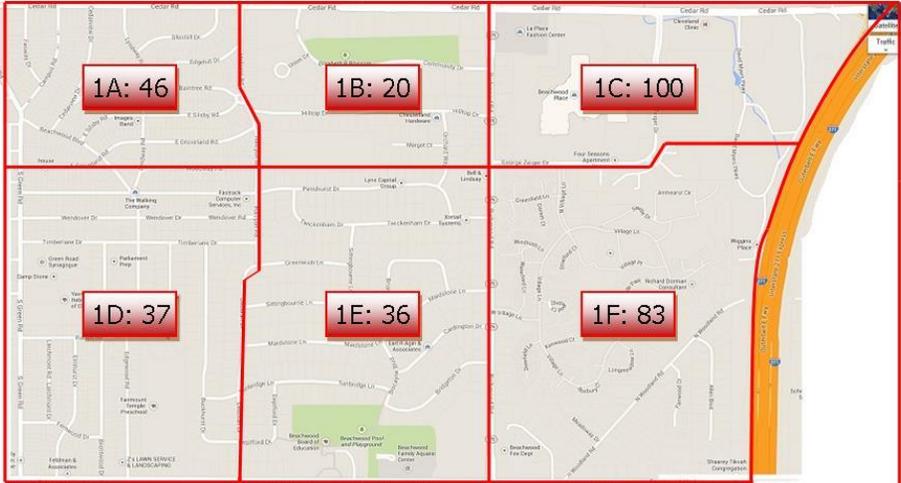




# CALLS FOR SERVICE: FIRE RESPONSE



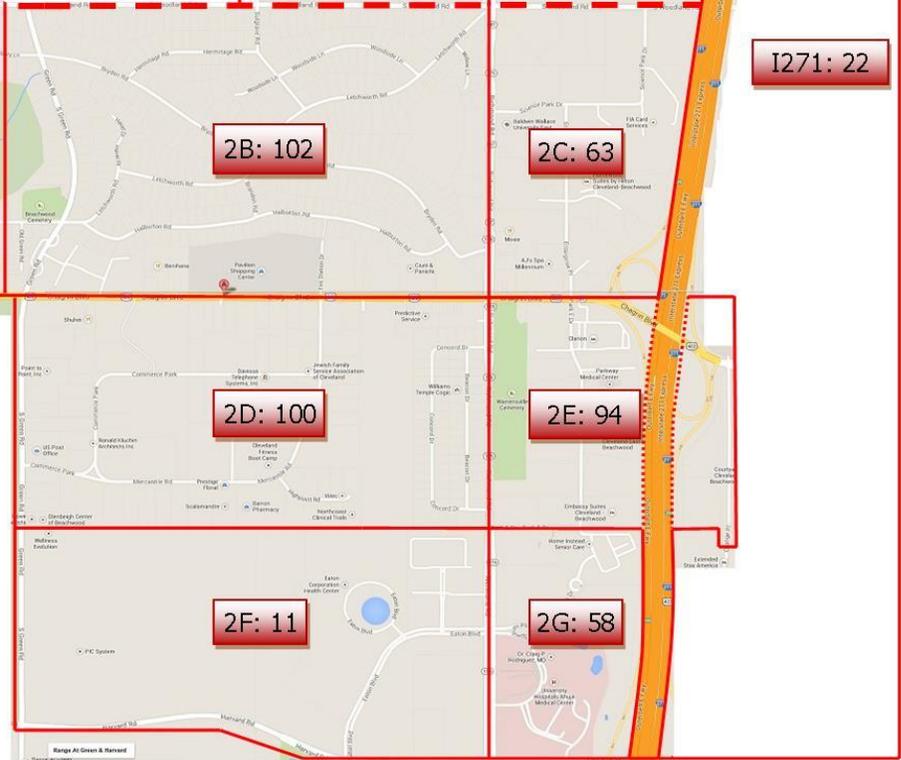
**Fire Response  
by Zone  
2017**



Fire Response: District 1  
391



Fire Response: District 2  
457



## Fire Incidents for 2018 by Type of Incident

| <b>FIRE</b>   | #         | % of incidents |
|---------------|-----------|----------------|
|               | 54        | 4.29%          |
| <b>Totals</b> | <b>54</b> | <b>4.29%</b>   |

| <b>Overpressure, Explosion (No Fire)</b> | #        | % of incidents |
|--|----------|----------------|
|  | 0        | 0.00%          |
| <b>Totals</b>                            | <b>0</b> | <b>0.00%</b>   |

| <b>Rescue</b> | #          | % of incidents |
|---------------|------------|----------------|
|               | 200        | 15.89%         |
| <b>Totals</b> | <b>200</b> | <b>15.89%</b>  |

| <b>Hazardous Condition</b> | #          | % of incidents |
|----------------------------|------------|----------------|
|                            | 142        | 11.28%         |
| <b>Totals</b>              | <b>142</b> | <b>11.28%</b>  |

| <b>Service Calls</b> | #          | % of incidents |
|----------------------|------------|----------------|
|                      | 144        | 11.44%         |
| <b>Totals</b>        | <b>144</b> | <b>11.44%</b>  |

| <b>Good Intent Calls</b> | #          | % of incidents |
|--------------------------|------------|----------------|
|                          | 268        | 21.29%         |
| <b>Totals</b>            | <b>268</b> | <b>21.29%</b>  |

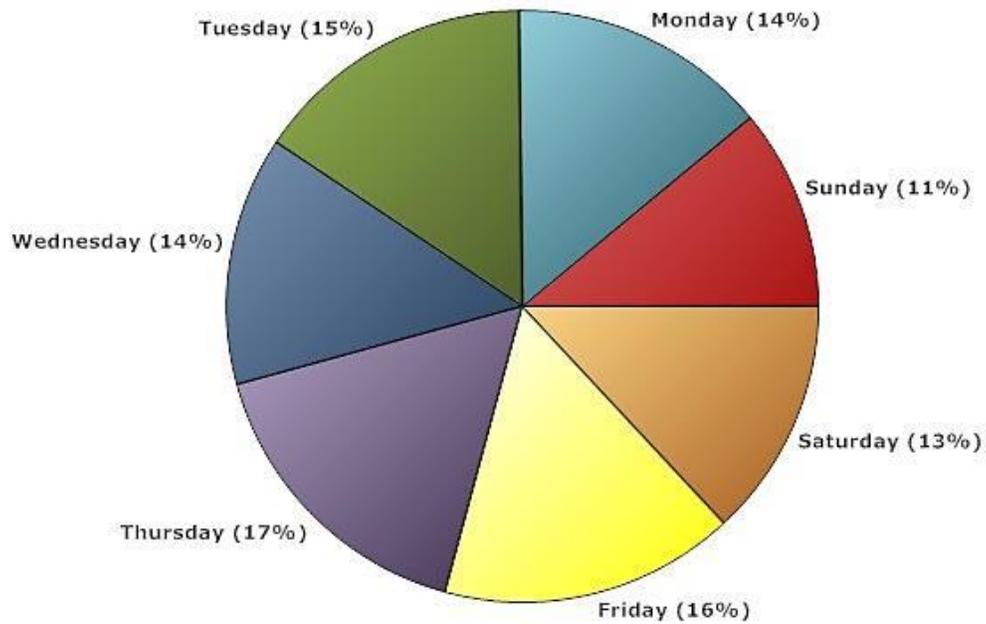
| <b>False Alarm and Malfunctions</b> | #   | % of incidents |
|-------------------------------------|-----|----------------|
|                                     | 451 | 35.82%         |

|               |            |               |
|---------------|------------|---------------|
| <b>Totals</b> | <b>451</b> | <b>35.82%</b> |
|---------------|------------|---------------|

| <b>Total Calls (including Mutual Aid)</b> | <b>#</b>    | <b>% of incidents</b> |
|---|-------------|-----------------------|
| <b>EMS</b>                                | 4242        | 77.11%                |
| <b>FIRE</b>                               | 1259        | 22.89%                |
| <b>Total</b>                              | <b>5501</b> | <b>100.00%</b>        |

**Type 1 - Fire**

### Fire Calls by Day of Week



## Fire Training

In 2018 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



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.

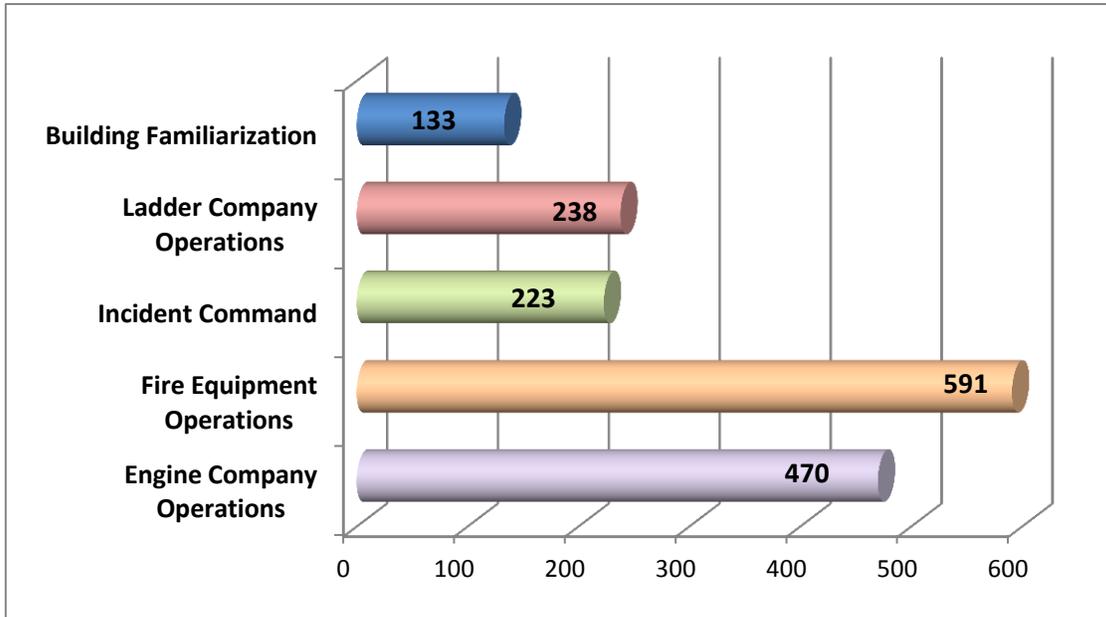
The Public Safety Center with its training tower is a great addition for the department. We look forward to enhancing our knowledge and skills utilizing this asset.

## Ladder Operations Training



## Jaws of Life Training

In 2018, the Beachwood Firefighters completed a total of 4,799 hours of training. The graph below illustrates the different types that were done. These hours do not include the technical rescue team, HAZMAT, SWAT, miscellaneous fire operations and fire prevention hours.

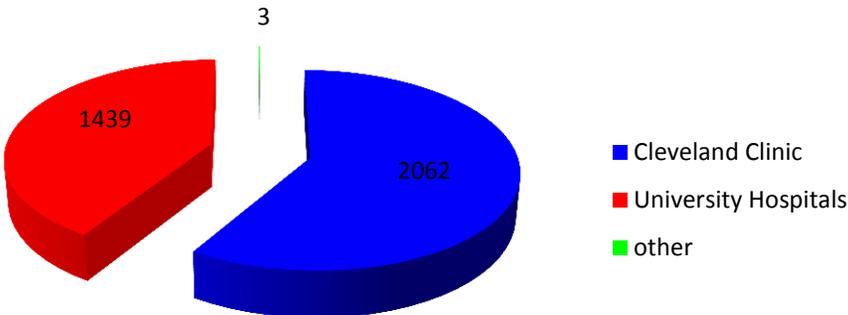


**Search and Rescue Training**

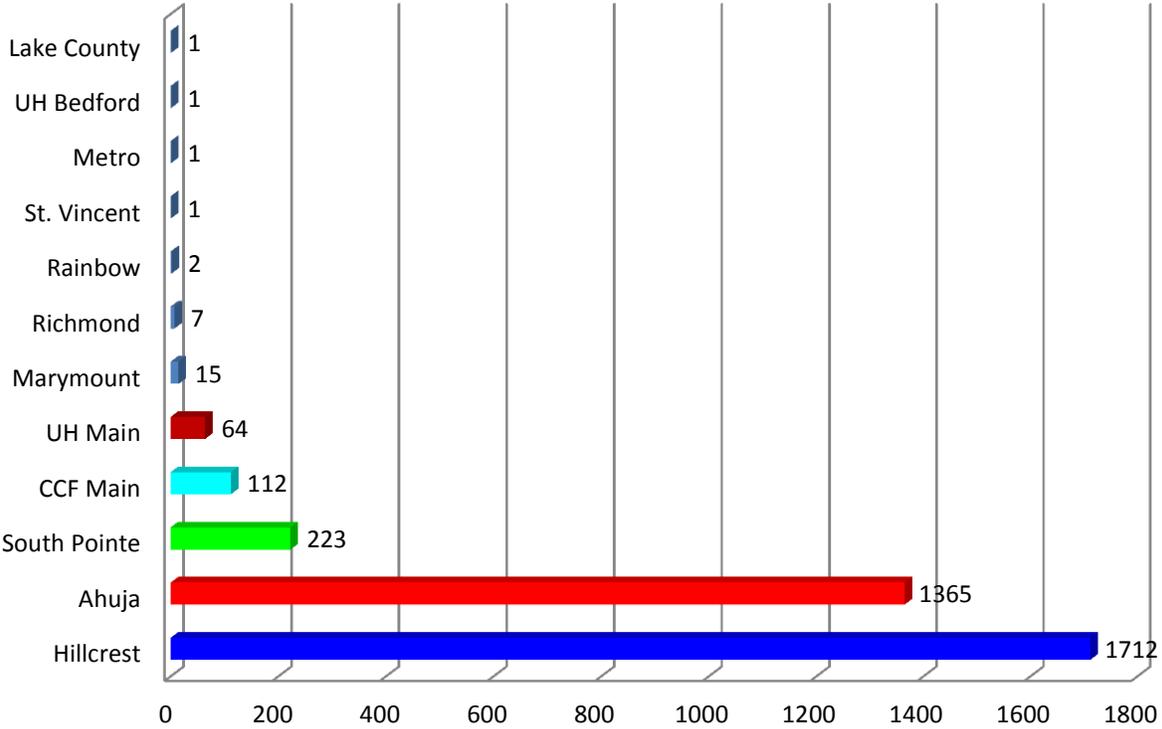
Captain Scott Hank

# CALLS FOR SERVICE: EMS RESPONSES

### 2018 Transports by Hospital System



### 2018 Transports



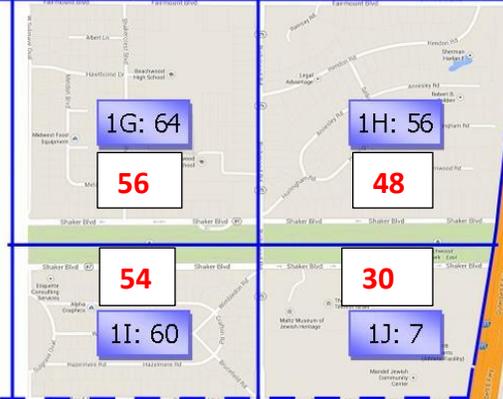
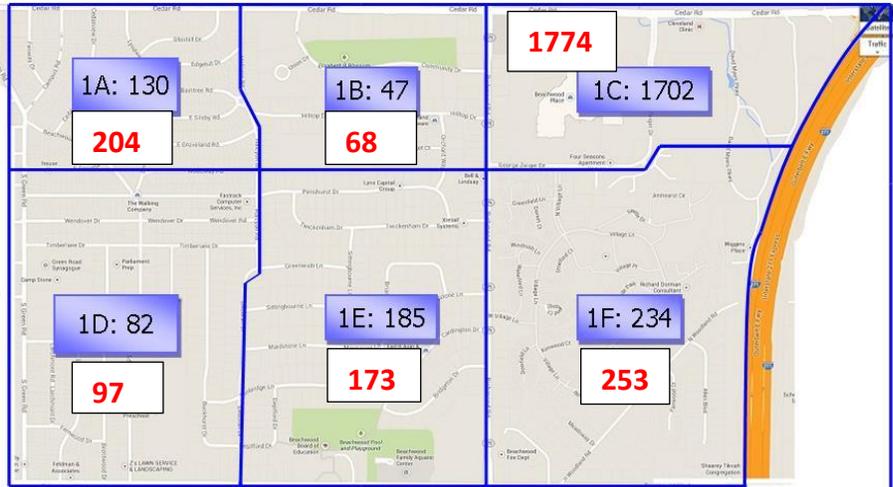
**EMS Response  
by Zone  
2017**

**Red = 2018**

**EMS Response: District 1**

**2,567**

**2757**

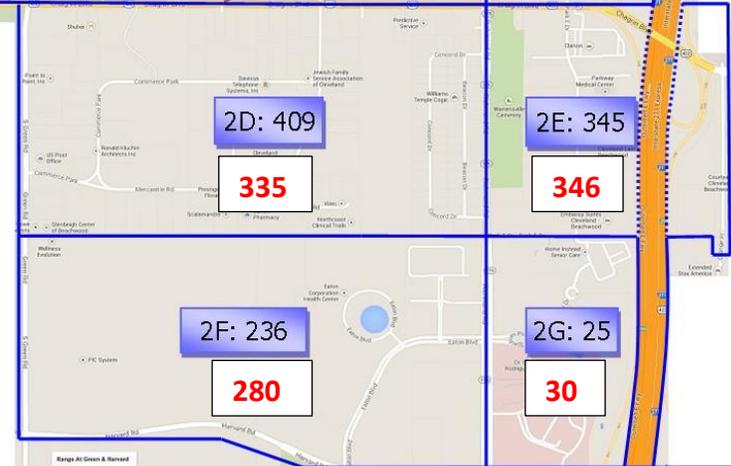


**EMS Response: District 2**

**1,494**

**1423**

**I-271 = 35**



## EMS 2018

In 2018 the Beachwood Fire Department implemented new Records Management System (RMS) software, IMS. This initiative will improve reporting and data collection. Throughout the year we continued to refine the new system, which generates the reports that are completed for all our patient contacts. In addition, the paramedics transitioned to sturdier, ruggedized tablet computers to collect patient data and acquire patient signatures in a mobile platform. This will greatly improve the ability to do Quality Assurance/Quality Improvement in the department.

Beachwood Fire Department was awarded a grant from The Ohio Department of Public Safety in the amount of \$3,790.00. The grant is termed a priority one for the purchase of emergency medical equipment and EMS training. This year the Department purchased 4 temporal scanner thermometers to monitor the temperatures of patients on the rescue squads. Temperature readings are recorded in the field setting to monitor patients for sepsis. Sepsis is the body's response to infection that can lead to tissue damage, and organ failure. Paramedics have the ability to notify local Hospitals of patients with increased temperature and activate a sepsis alert. The alert will notify and page specialist to meet Paramedics in the emergency room for rapid triage and care.

South Pointe medical control comes to the station on a monthly basis to deliver quality continuing education for Paramedics. This year South Pointe reviewed complex trauma calls, and medical calls to help members understand that the work we do in the field is vital to positive patient outcomes.

### **Active Shooter/Active Threat**

Working with the Beachwood Police Department (BPD), we are evaluating our Active Shooter/Active Threat plan to provide the highest level of protection for citizens and first responders in the event of a mass shooting and other incidents that require close coordination of law enforcement operations and first responder personnel.

The chart below outlines the total number of training hours provide by the Department for certification requirements for EMT- Basic and EMT- Paramedics

| <u>Category</u>        | <u>Total Hours</u> |
|------------------------|--------------------|
| General EMS training   | 497.5              |
| Emergency Cardiac Care | 165                |
| Pediatric              | 62                 |
| Geriatric              | 17                 |
| Trauma                 | 245                |
| Trauma/Triage          | 12                 |

**EMS & FIRE**

**COMBINED**

**STATISTICS**



## EMS and Fire: Statistics

|               | Mutual Aid       |             |                |            |            |           |          |           |
|---------------|------------------|-------------|----------------|------------|------------|-----------|----------|-----------|
|               | Beachwood        |             | Monthly Totals |            | Rendered   |           | Received |           |
|               | Runs by District |             |                |            |            |           |          |           |
|               | 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.*

**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

**2018 Events**

|                       |  |
|-----------------------|--|
| August 26, 2018       | Public Safety Center/St. 2 Grand Opening     |
| September 13-16, 2018 | Colorado Springs Fallen Firefighter Memorial |
| November 11, 2018     | Veteran’s Day Memorial-Green Rd Cemetery     |

In 2018 we were able to honor those that we have lost and pay our respects to the Palumbo family at the Fallen Firefighter Memorial service in Colorado Springs. Also in 2018 we had the honor to be able to usher in a new era with the grand opening of the New Public Safety Center.

In 2018 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.

**2018 Fire Fighter Line of Duty Deaths**

| Nature of Fatal Injury |              |                     |                   |            |         |         |               |
|------------------------|--------------|---------------------|-------------------|------------|---------|---------|---------------|
| Trauma                 | Heart Attack | Burns               | CVA               | Crushed    | Unknown | Other   | at Exhaustion |
| 26                     | 16           | 3                   | 1                 | 6          | 20      | 4       | 10            |
| Cause of Fatality      |              |                     |                   |            |         |         |               |
| Caught/Trapped         | Fall         | Stress/Overexertion | Struck by Vehicle | Collisions | Other   | Unknown |               |
| 10                     | 2            | 27                  | 7                 | 16         | 4       | 20      |               |
| Age of Firefighter     |              |                     |                   |            |         |         |               |
| Under 21               | 21-30        | 31-40               | 41-50             | 51-60      | 61-70   | 71+Over |               |
| 3                      | 6            | 20                  | 20                | 18         | 12      | 7       |               |

# 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 Fire Chief Lutz is currently serving his first term in the position of 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 are:**

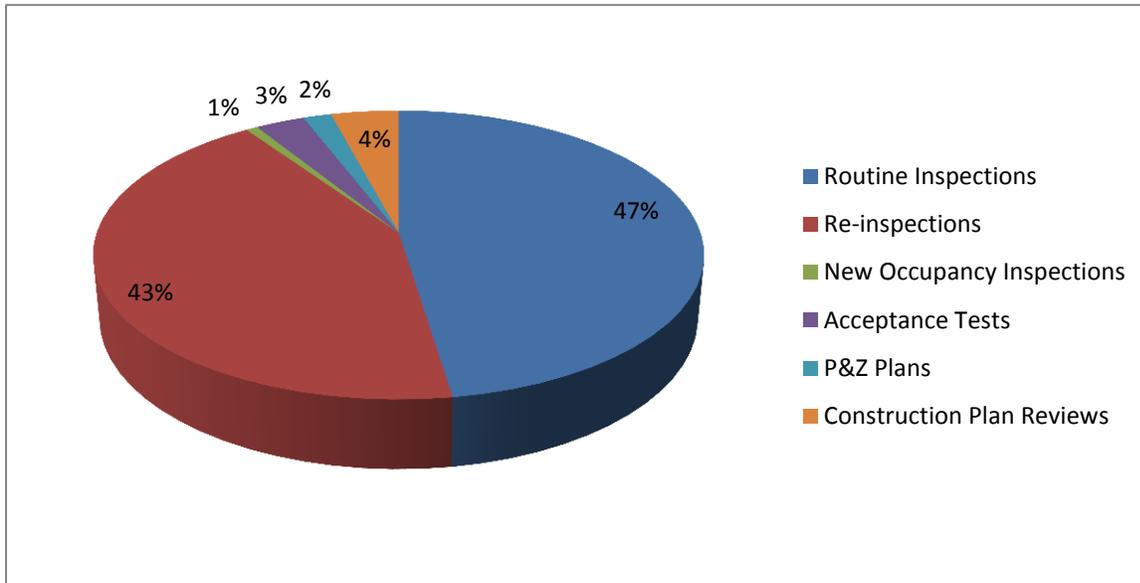
- Conducting pre-inspection and acceptance testing on all new or modified fire lines and standpipes, and sprinkler, kitchen hood suppression and fire alarm systems.
- Witnessing annual and semi-annual testing on existing systems.
- Fire and arson investigation to determine origin, cause, and circumstances 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

1,326 inspections, systems tests, and other Fire Prevention procedures were performed by the Fire Prevention Bureau in 2018. 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 2018



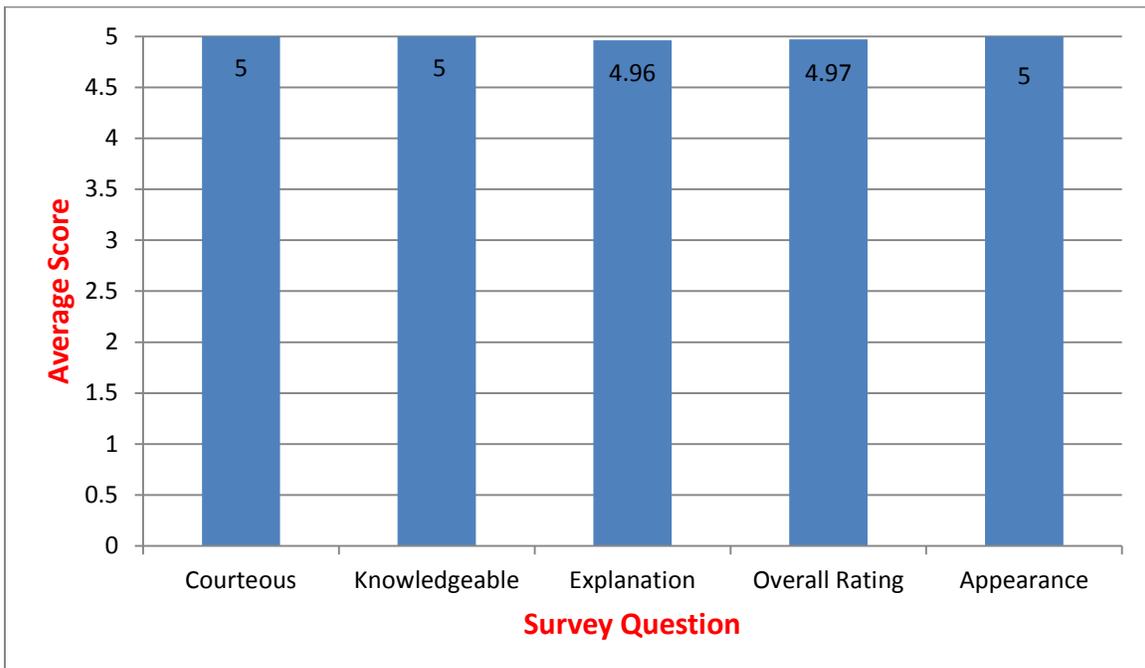
Through building working relationships and educating business owners, managers, and facilities workers, the Fire Prevention Bureau takes great pride in attempting to decrease the number of violations discovered each year. Educating our businesses in Fire Prevention greatly reduces major hazards. With 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.

### 2018 FIRE INVESTIGATIONS CONDUCTED

| <u>Date</u> | <u>Address</u>     | <u>Cause</u> |
|-------------|--------------------|--------------|
| April 10th  | 26901 N. Woodland  | Accidental   |
| June 12th   | 25675 Shaker Blvd. | 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 2018.



## **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 2018, the Beachwood Department of Fire-Rescue collected \$2,925.00 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 24 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 78 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 2018 are listed below:

|   |  |          |
|---|--|----------|
| Ohio Fire Code Update                         | April 24 <sup>th</sup>                     | 7hrs     |
| Fire Investigation Level I                    | October 8 <sup>th</sup> – 19 <sup>th</sup> | 80 hrs.  |
| Fire Alarm Seminar                            | July 25 <sup>th</sup>                      | 8 hrs.   |
| Continuing Education collectively accumulated | 2018                                       | 152 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.

# SPECIAL OPERATIONS REPORTS



# HEIGHTS-HILLCREST TECHNICAL RESCUE TEAM

## 2018 YEARLY REPORT

**BY: TEAM LEADER, BC PATRICK KEHN**

### Established 2017

Serving the Communities of Beachwood, Cleveland Heights, Euclid, Gates Mills, Highland Heights, Lyndhurst, Mayfield Heights, Mayfield Village, Pepper Pike, Richmond Heights, Shaker Heights, South Euclid, University Heights, and Willoughby Hills

2018 was our first full year operating as a new entity, and everything went well. Our team provides special rescue services to all of eastern Cuyahoga County, as well as, the city of Willoughby Hills. The Heights-Hillcrest Technical Rescue Team provides special rescue services in the following disciplines; Rope Rescue, Confined Space, Trench Rescue, Structural Collapse, and Water Rescue. The rescue team is comprised of specially trained firefighters from each of our member communities. By utilizing this regional approach, the team is able to provide specialized services that no one city could provide by themselves. Our team's specialized equipment is housed on five, Rescue Trucks, which are placed in fire stations throughout our service area. The team provides reciprocal rescue services to the Chagrin/Southeast communities in exchange for their Hazardous Material response capabilities. In addition to local training and emergency responses, the Heights – Hillcrest Rescue Team works closely with the Ohio Region 2, USAR Team, the Ohio Region 2, Water Rescue Team, and the SERT Team, which services the west side of Cleveland. Our teams' annual budget is \$82,000, which is funded by contributions from our member communities. This funding is used to maintain and improve our specialized equipment, as well as provide training for our team members.

There were a total of 12 team call outs in 2018. These callouts involved six structural collapse calls, one ice rescue call, and five calls involving rope rescue. One of our calls was quite rewarding, as we saved a man's life. The team was called to Cleveland Heights, to remove an injured worker from a tree. The team worked with the Cleveland Heights and Shaker Heights personnel and quickly extricated the injured worker from his predicament. It turned out that the victim had a ruptured aorta, and would have bled out, had it not been for everyone's quick actions. The injured worker was extricated from the tree, and in the emergency room at University Hospitals in 50 minutes. Great job by all!

The team holds monthly training sessions for our team members, which help maintain proficiency with our technical skills. These trainings provide invaluable experience to our members, and assures that the team is always ready to respond to any situation we are called for. The Heights - Hillcrest Technical Rescue Team sponsors 96 hours of training a year, and our members are required to attend 75% of the trainings to remain an active team member. In addition to these



scheduled drills, team members participated in numerous outside training opportunities. Some of these outside opportunities included swift water classes sponsored by our Region 2 water team, structural collapse training in Virginia Beach, Advanced rope classes in Cleveland, dive rescue classes taught by Dive Rescue International, and trench rescue classes in Michigan.

The Heights - Hillcrest Technical Rescue Team requires that all of our members are certified as Rescue technician's, in all rescue discipline's, with the exception of Rescue Diver. We continue in our efforts to achieve this goal. The team currently has seven Rescue Divers, and we are working on expanding this pool. The teams' commitment to training, allows our members to operate safely, effectively, and efficiently in extremely hazardous situations.

We appreciate the continued support of the Heights – Hillcrest Fire Chiefs', and will strive to provide exceptional services to the communities that we serve. Without the full support of these Chiefs', none of this would be possible.



## 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 2018, 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

## Tactical SWAT Paramedics

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 department 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

Lt Mike Iacobucci

FF Drew Spisak

FF Scott Frey

FF Dave Peterson

**Activations:** During 2018, there were 76 activations of the Tactical Medics and EDGE SWAT Team. Missions were broken down into the following categories:

Narcotics Warrants: 38

Arrest Warrants: 11

Barricaded Persons: 11

Active Shooter: 1

Aggravated Robbery/Burglary Warrants: 13

Other: 2

**Total: 76**



### 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.

Lt. 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 2018 Annual Report. Please do not hesitate to contact my office if you should have any questions.

Shaun Lutz, Assistant Chief

Beachwood Department of Fire- Rescue