

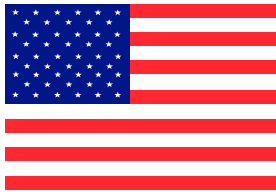
2013

Annual Report



City of Sheboygan
Fire Department





Department Mission

The Sheboygan Fire Department is dedicated to serving all who live, visit, work and invest in the City of Sheboygan through excellence in fire protection, rescue, emergency and non-emergency medical services, code enforcement and education, at the highest professional level in a compassionate, ethical, and cost effective manner.

Department Vision

The Sheboygan Fire Department will continue to provide response times consistently within the guidelines of NFPA 1710, with up to date emergency vehicles/equipment and an adequate number of highly trained personnel, focused on saving lives and preventing property damage. A movement towards a regional based fire protection/shared services system would stabilize the cost of fire/EMS protection for the citizens of Sheboygan, drastically improve response times and fire/EMS protection in the neighboring communities, and increase the availability of timely resources for the entire area. This cooperative effort would bring together local governments, citizens, firefighters and EMS personnel working together towards a common goal of saving lives, property, and community assets, while protecting the investments and employment base of private enterprise.



**FIREFIGHTERS TRAIN WITH
COAST GUARD ON ICE RESCUE
RESPONSE.**



Sheboygan Fire Department Management and Administrative Staff



FIRE CHIEF – JEFFREY HERMANN
CHIEF OF THE DEPARTMENT
(RETIRED IN 2013)



ASSISTANT CHIEF – VERNON KOCH
ASSISTANT CHIEF OF THE DEPARTMENT



DEPUTY CHIEF – CHARLES BUTLER
EMS/HEALTH AND SAFETY
EMERGENCY MANAGEMENT



COMMANDER – KEITH RISSE
SHIFT COMMANDER A SHIFT
TRAINING



COMMANDER – DEAN KLEIN
SHIFT COMMANDER B SHIFT
SUPPORT SERVICES



COMMANDER – GARY KOLBERG SHIFT
COMMANDER C SHIFT
CODE ENFORCEMENT

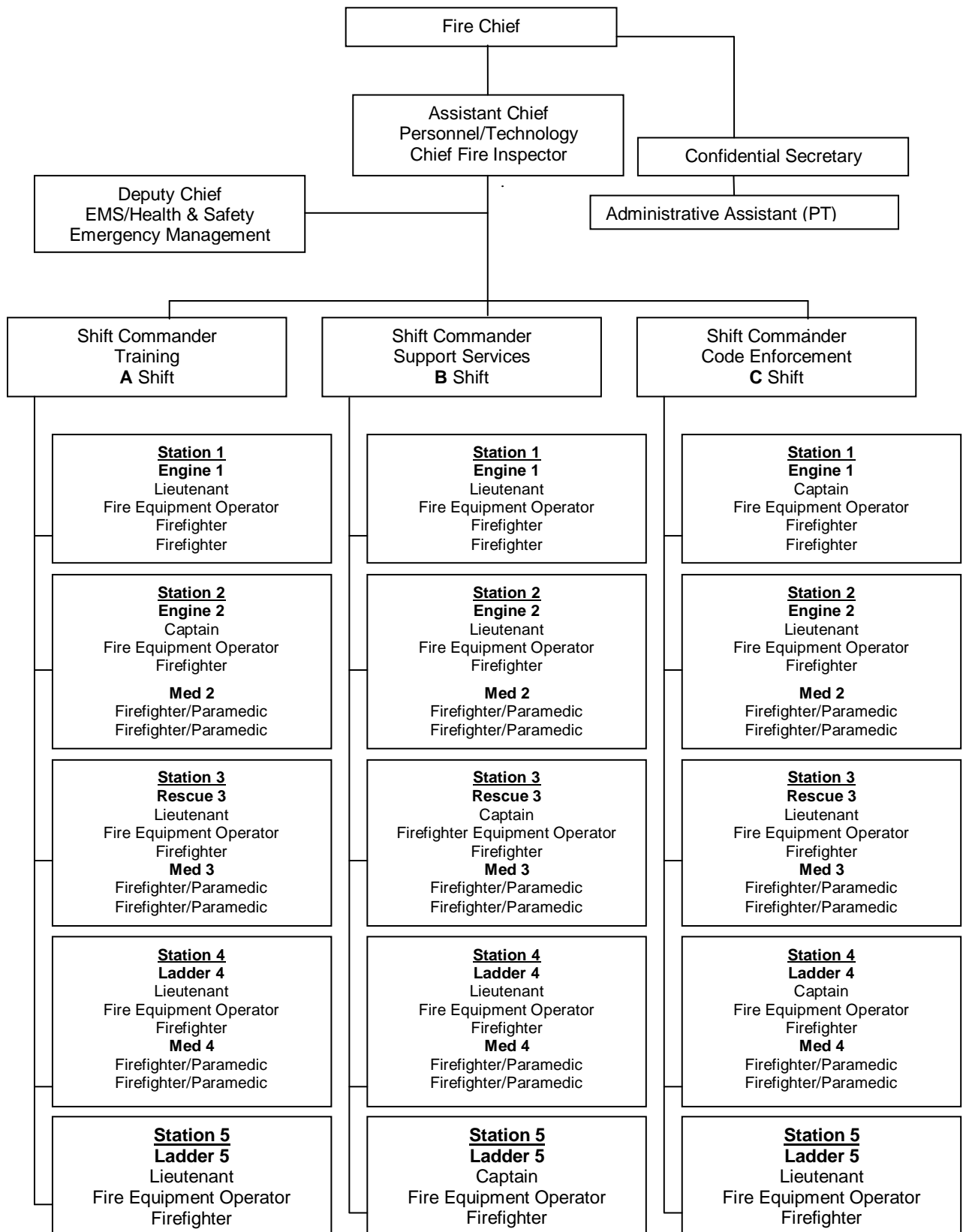


CONFIDENTIAL SECRETARY
LISA HORN







ADMINISTRATIVE ASSISTANT
JENNIFER ALBRIGHT

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Sheboygan Fire Department Stations

| | |
|--|--|
|  | <p>Fire Station #1 833 New York Avenue Engine 1 Trench Rescue Trailer Fire Boat</p> <p>Average Daily Staffing: 3</p> |
| <p>Fire Station #2 2413 South 18th Street Engine 2 Med 2 Mobile Operations Command Post Vehicle</p> <p>Average Daily Staffing: 4</p> |  |
|  | <p>Fire Station #3 1326 North 25th Street – Department Headquarters Rescue 3 Med 3 Shift Commander Car</p> <p>Med 6 (Reserve Ambulance)</p> <p>Average Daily Staffing: 4</p> |
| <p>Fire Station #4 2622 North 15th Street Ladder 4 Med 4 Engine 6 (Reserve Engine)</p> <p>Average Daily Staffing: 4</p> |  |
|  | <p>Fire Station #5 4504 South 18th Street Ladder 5 Engine 7 (Reserve Engine)</p> <p>Average Daily Staffing: 2</p> |

Services Provided by the Sheboygan Fire Department

Fire Suppression and Rescue
Rope Rescue
Excavation Rescue
Confined Space Rescue
Water/Ice Rescue
Automobile and Industrial Extrication
Emergency Management
Advanced Life Support Response
Fire Safety Building Inspections

Code Enforcement
Building Plan Review
Fire Safety Training for Businesses
Medical Transports
Public Service/Assistance
Hazardous Materials Response
School Fire Safety Education
Special Event Standby

Equipment, Facilities, and Vehicles Status Update

Equipment

- Five new chainsaws were purchased to replace older and obsolete models.
- Self Contained Breathing Apparatus (SCBA) Respirators were all tested and certified. All department SCBAs are nearing the end of their service life and are to be replaced in 2017.
- Breathing-air compressor was serviced and air quality was tested.
- All Hurst extrication equipment was tested and serviced.
- Purchased 15 new helmets and 8 complete sets of structural firefighting protective clothing.
- Replaced outdated supplied air respirator cylinders.
- Purchased additional rescue equipment including a BiPod device and additional rope rescue hardware.

Facilities

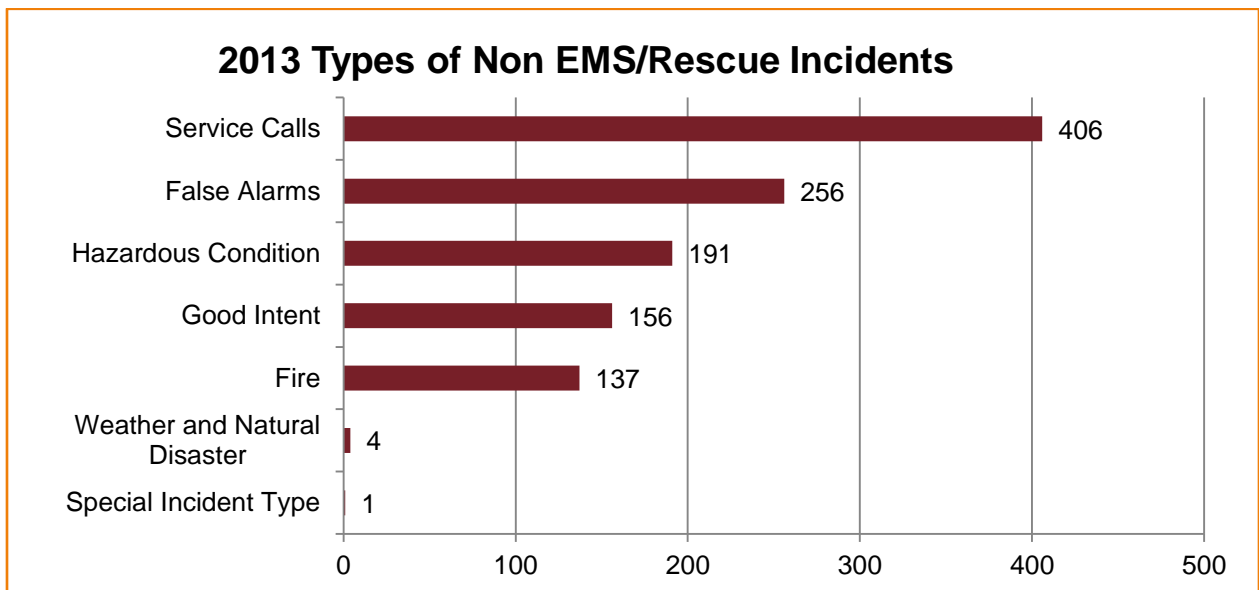
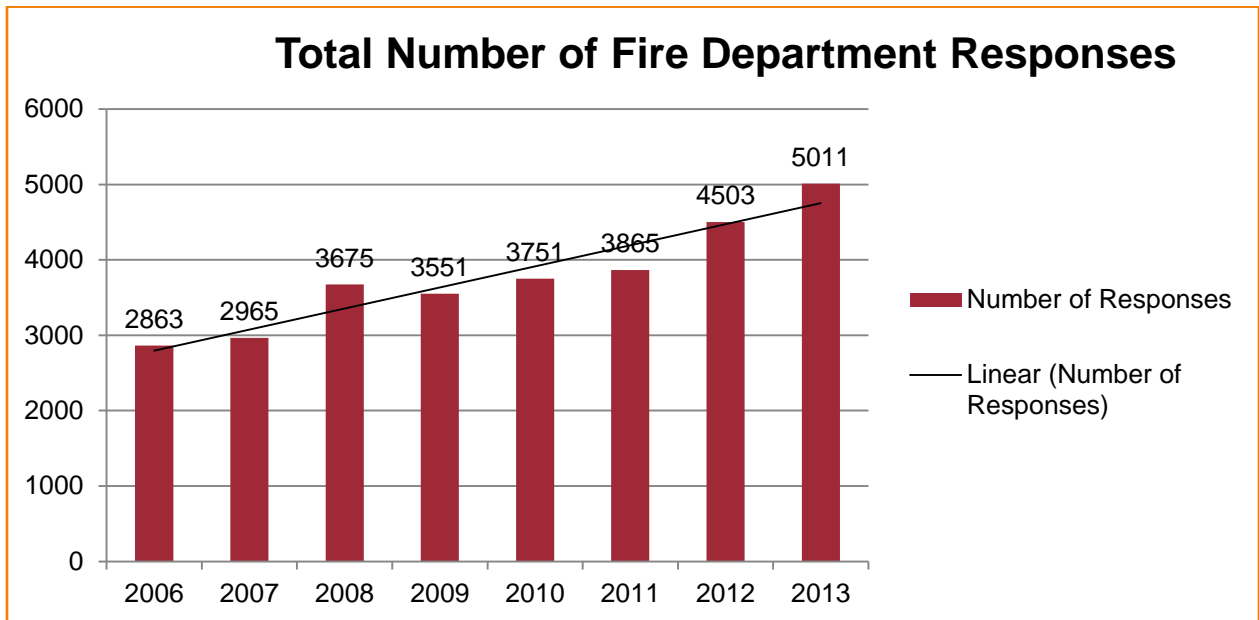
- Tuckpointing on the masonry at Station #4 was completed. Roof replacement process was started to address leaks.
- Kitchen at Station #2 was updated with new countertops and the addition of a dishwasher.
- All stations were inspected and brought up to code for commercial water supplies.
- Apparatus area heating at Station #3 and #4 was repaired.

Vehicles

- All fire apparatus equipped with a pump had annual pump testing and recertification.
- A new 2014 Chevrolet Silverado Pick Up Truck Battalion Chief vehicle was purchased to replace the 1995 Suburban.
- The process was started for the purchase of a new Pierce Manufacturing Pumper. Delivery expected in 2014.
- New Tires were installed on Engine #1, Engine #2, Med #2, Med #3, Med #4 and Rescue #3.
- Leaf springs were replaced on Ladder #5.
- Cracks discovered in the body of Rescue #3 were repaired.
- Fleet maintenance through the Department of Public Works continues for both routine maintenance and repairs.

Response Statistics

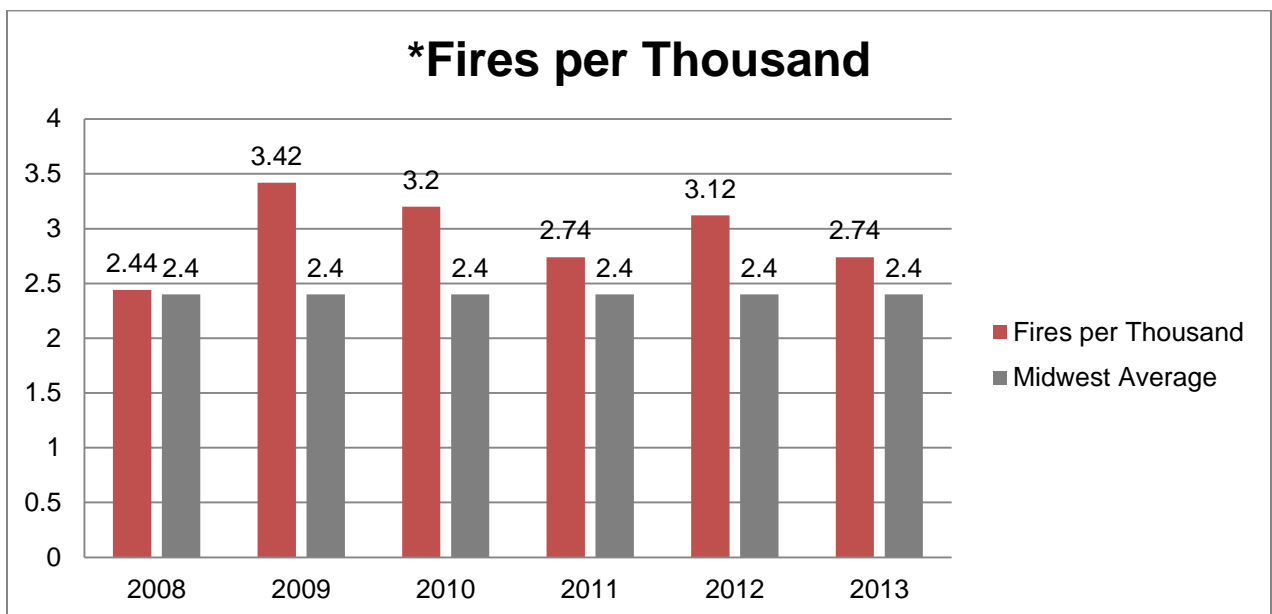
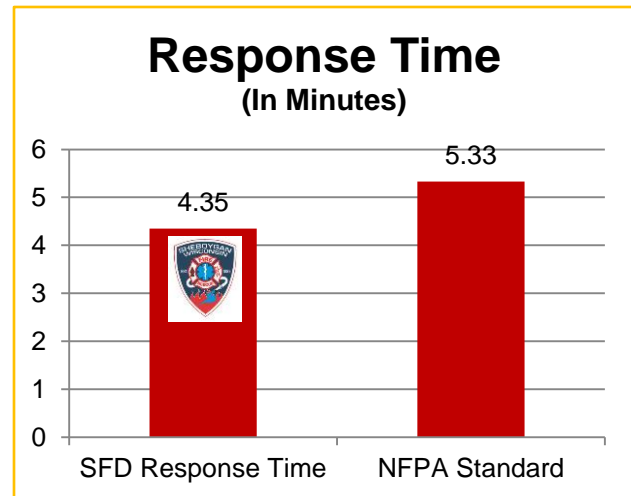
Total Number of Responses



Response Time

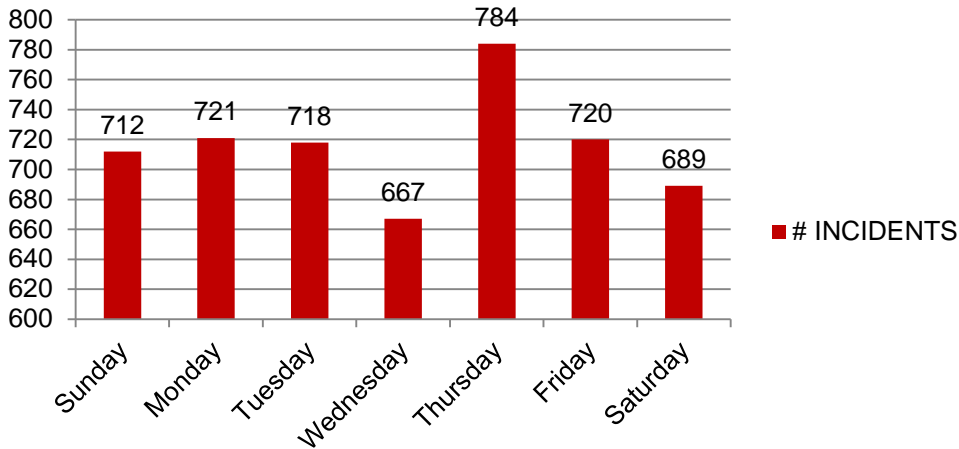
The measure of any organization's effectiveness in a given area requires determining what is expected of that organization by some standard and to then determine the organization's position relative to that standard. For fire department effectiveness in the realm of mitigating emergency incidents such as fire and EMS delivery, an enormous factor is response time. The Sheboygan Fire Department has been proactive and

diligent in assuring that response time to requests for help meets or exceeds the standards established by the National Fire Protection Association (NFPA) for career departments. In fire and EMS response, the time from the occurrence of an emergency situation to the time the department can arrive and begin to correct the problem is literally a matter of life and death. For EMS responses, it is a matter of correcting a potentially life-threatening situation before the situation becomes irreversible or in the case of a fire, reaching potentially viable fire victims prior to being unable to escape and to contain a growing fire to its area of origin as soon as possible. Above is representation of the Sheboygan Fire Department's average response time to all incidents in the City of Sheboygan relative to the standard set forth by NFPA for career departments. This includes both EMS and Fire responses.



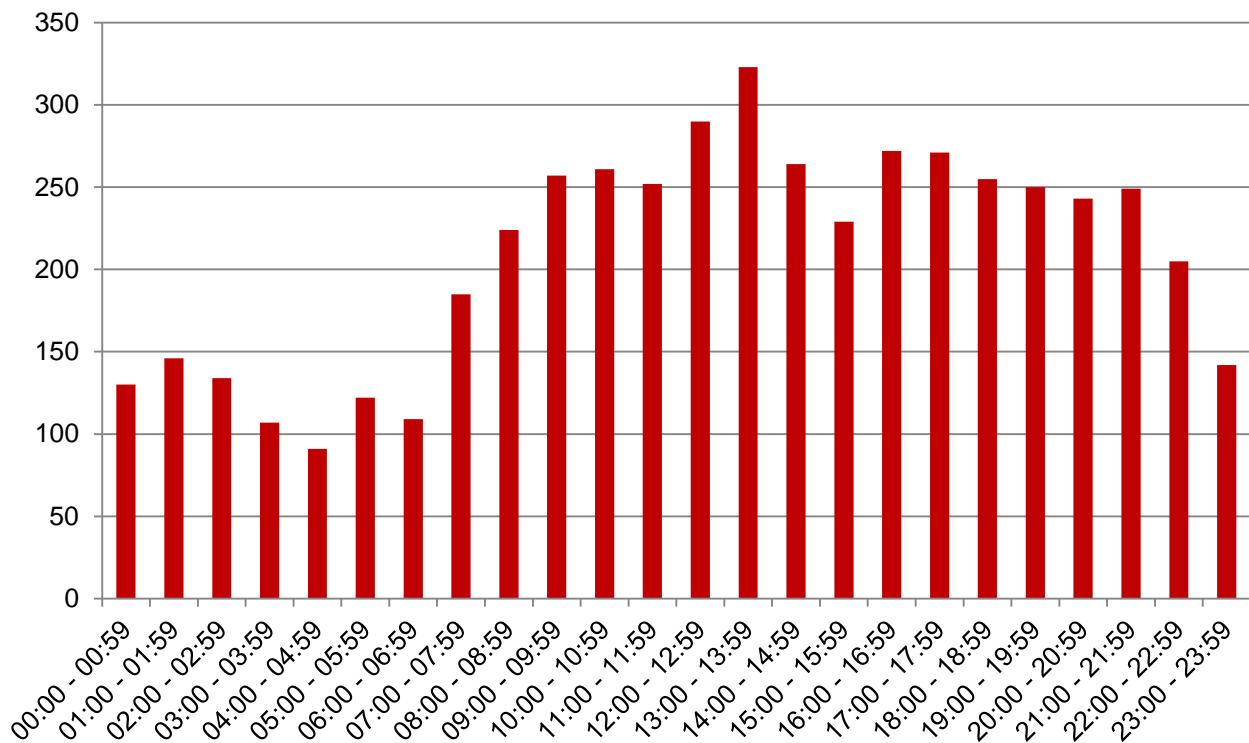
*Data for Average is from 2011 NFPA survey of fire departments U.S Fire Experience for Midwest Cities 50,000-99,000.

2013 Calls by Day of Week

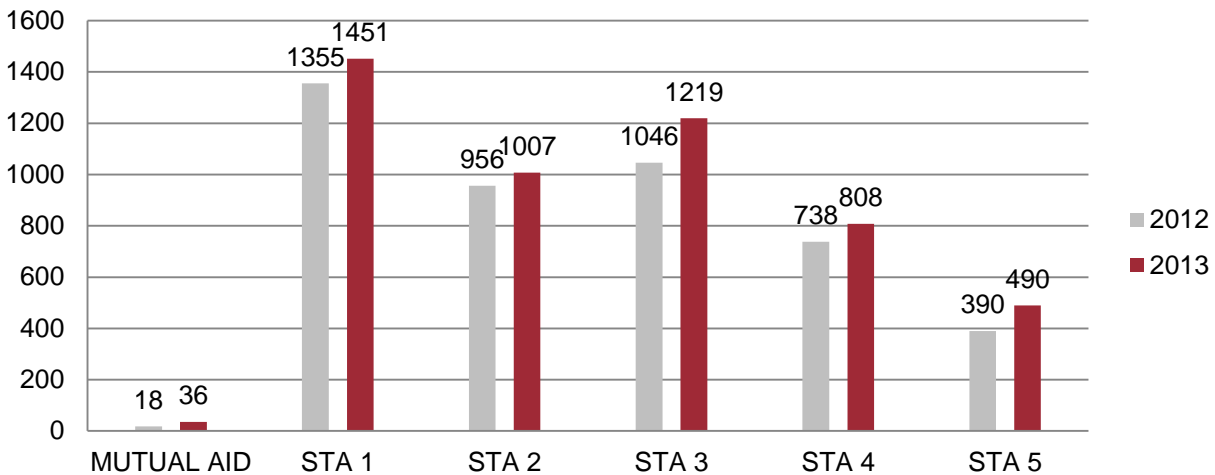


The *Calls by Day of Week* and *Calls by Time of Day* graphs are indicators of when requests for the Fire Department occur in Sheboygan. While there are some patterns that are seen, these graphs match trends nationally overall and also indicate that requests happen at all times.

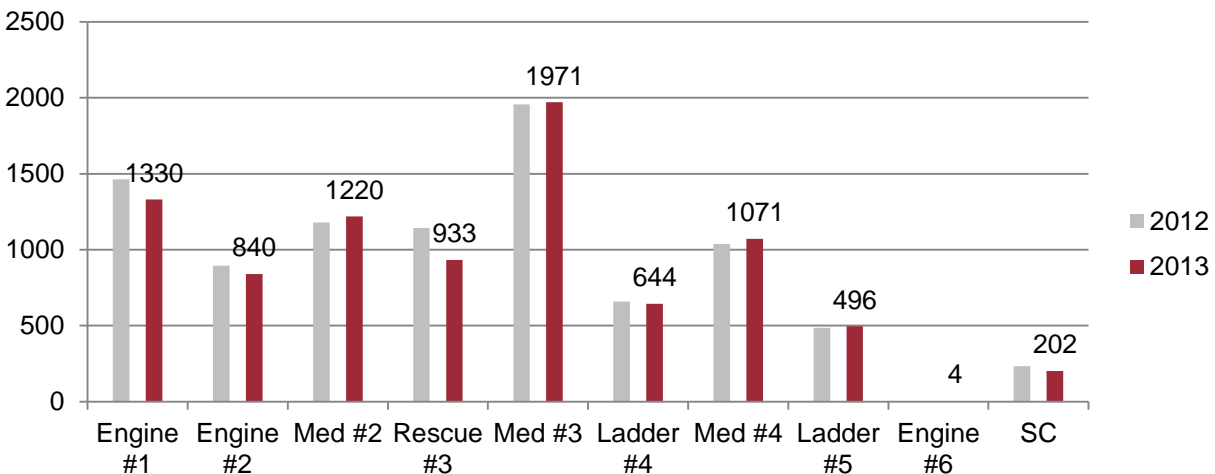
2013 Calls by Time of Day



Total Responses by Station Area



Response Requests by Apparatus



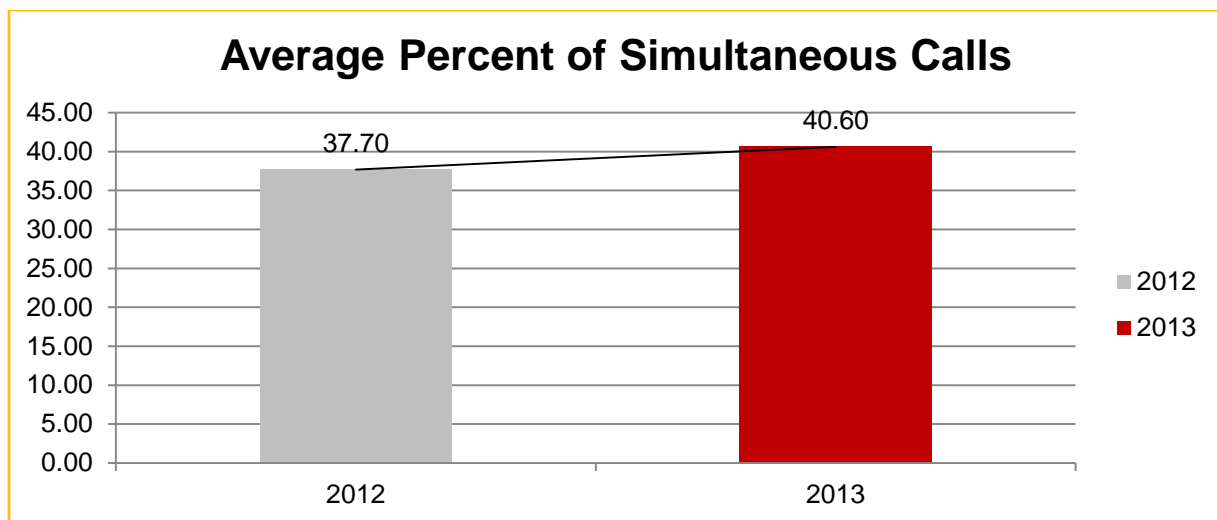
The *Response Requests by Apparatus* graph is a representation of the total number of times that a specific fire unit was dispatched as part of a response. This is an indicator of the multiple unit assignments that occur rather than a one-for-one apparatus response to call number. The average number of vehicles assigned is 1.75 apparatus per response. The majority of fire department responses are assigned two units primarily due to the number of emergency medical call response requests. More complex incidents will require more vehicles and manpower and working fire responses may have as many as 10 units assigned.

The *Response Requests by Station Area* graph is the total number of incidents for 2013 as divided by Fire Station Single Alarm response area as designated by the fire department. These response areas are established to maintain appropriate response times as set forth by the National Fire Protection Association (NFPA).

Mutual Aid Given/Received

| | 2012 | 2013 |
|------------------------------------|------|------|
| Incidents with Mutual Aid Received | 5 | 7 |
| Incidents with Mutual Aid Given | 8 | 9 |
| Other Responses Outside of City | 5 | 20 |

Concurrent Calls

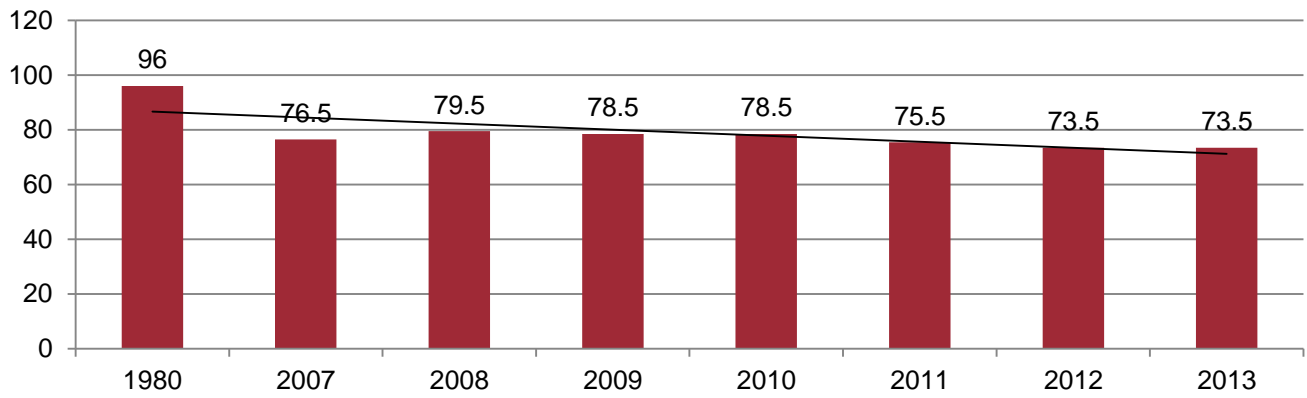


The measure of simultaneous calls represents the percentage of total call requests for the fire department while another call or multiple calls are already in progress. Generally speaking the call requests are random and in 2013 there was an increase in call volume thereby increasing the percentage of simultaneous calls and the deeper utilization of department resources.

Fire Deaths

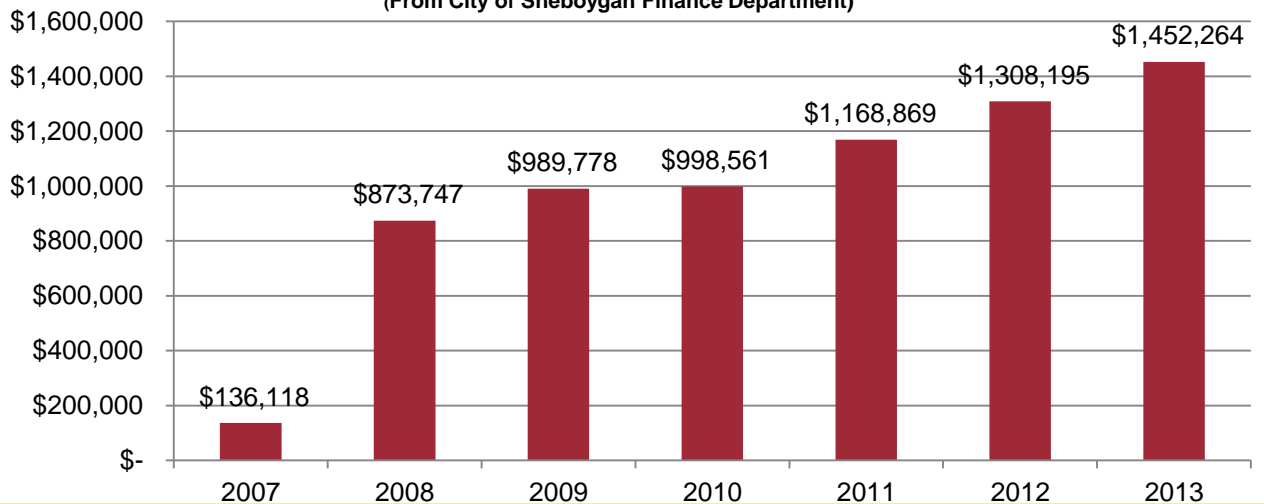
| | 2012 | 2013 |
|-------------|------|------|
| Fire Deaths | 0 | 1 |

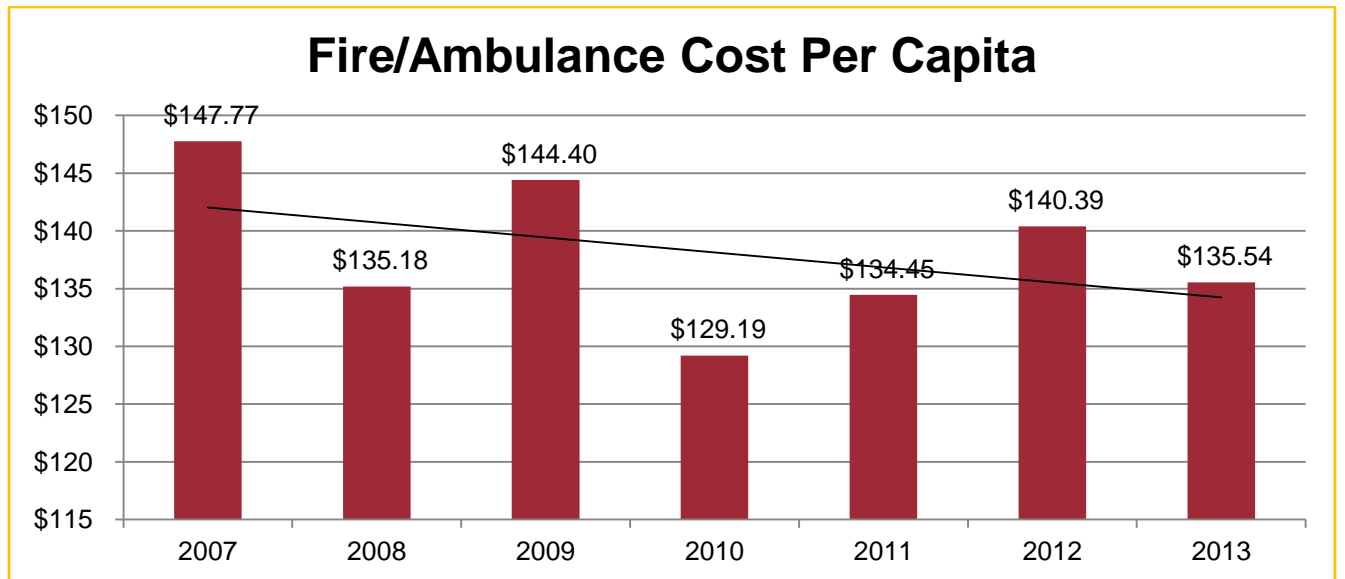
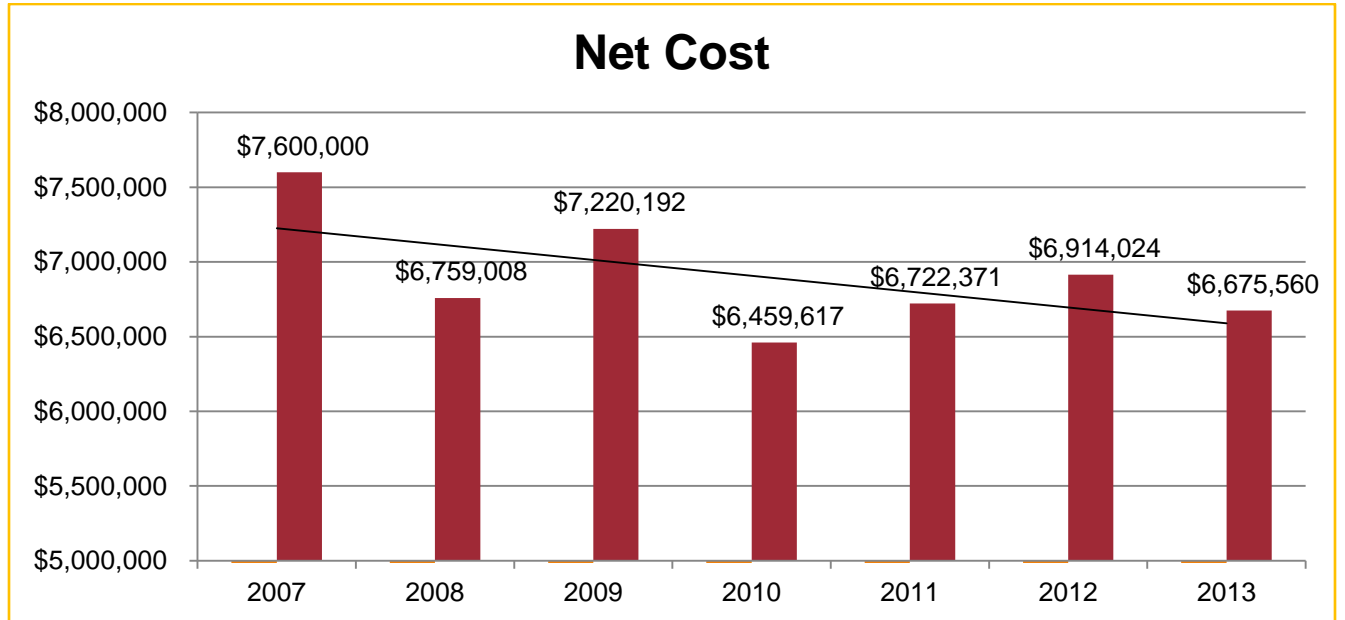
Fire Department FTEs



Fire Department Revenues

(From City of Sheboygan Finance Department)





According to Ehlers Financial Advisors State Median Fire and Ambulance is \$182.00.

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Detailed Breakdown by Incident Type

| INCIDENT TYPE | # INCIDENTS | % of TOTAL |
|---|-------------|------------|
| 111 - Building fire | 53 | 1.06% |
| 112 - Fires in structure other than in a building | 2 | 0.04% |
| 113 - Cooking fire, confined to container | 40 | 0.80% |
| 117 - Commercial Compactor fire, confined to rubbish | 1 | 0.02% |
| 118 - Trash or rubbish fire, contained | 1 | 0.02% |
| 121 - Fire in mobile home used as fixed residence | 1 | 0.02% |
| 131 - Passenger vehicle fire | 14 | 0.28% |
| 132 - Road freight or transport vehicle fire | 1 | 0.02% |
| 142 - Brush or brush-and-grass mixture fire | 6 | 0.12% |
| 143 - Grass fire | 1 | 0.02% |
| 151 - Outside rubbish, trash or waste fire | 7 | 0.14% |
| 154 - Dumpster or other outside trash receptacle fire | 3 | 0.06% |
| 162 - Outside equipment fire | 6 | 0.12% |
| 164 - Outside mailbox fire | 1 | 0.02% |
| 231 - Chemical reaction rupture of process vessel | 1 | 0.02% |
| 251 - Excessive heat, scorch burns with no ignition | 3 | 0.06% |
| 300 - Rescue, EMS incident, other | 18 | 0.36% |
| 311 - Medical assist, assist EMS crew | 342 | 6.82% |
| 320 - Emergency medical service, other | 15 | 0.30% |
| 321 - EMS call, excluding vehicle accident with injury | 3287 | 65.60% |
| 322 - Motor vehicle accident with injuries | 129 | 2.57% |
| 323 - Motor vehicle/pedestrian accident (MV Ped) | 13 | 0.26% |
| 324 - Motor vehicle accident with no injuries. | 13 | 0.26% |
| 331 - Lock-in (if lock out , use 511) | 10 | 0.20% |
| 341 - Search for person on land | 2 | 0.04% |
| 350 - Extrication, rescue, other | 1 | 0.02% |
| 351 - Extrication of victim(s) from building/structure | 1 | 0.02% |
| 352 - Extrication of victim(s) from vehicle | 10 | 0.20% |
| 353 - Removal of victim(s) from stalled elevator | 10 | 0.20% |
| 354 - Trench/below-grade rescue | 1 | 0.02% |
| 361 - Swimming/recreational water areas rescue | 1 | 0.02% |
| 381 - Rescue or EMS standby | 3 | 0.06% |
| 400 - Hazardous condition, other | 1 | 0.02% |
| 410 - Combustible/flammable gas/liquid condition, other | 1 | 0.02% |
| 411 - Gasoline or other flammable liquid spill | 18 | 0.36% |
| 412 - Gas leak (natural gas or LPG) | 24 | 0.48% |
| 413 - Oil or other combustible liquid spill | 24 | 0.48% |
| 421 - Chemical hazard (no spill or leak) | 1 | 0.02% |
| 422 - Chemical spill or leak | 55 | 1.10% |
| 423 - Refrigeration leak | 1 | 0.02% |
| 424 - Carbon monoxide incident | 24 | 0.48% |
| 440 - Electrical wiring/equipment problem, other | 5 | 0.10% |
| 441 - Heat from short circuit (wiring), defective/worn | 3 | 0.06% |
| 442 - Overheated motor | 8 | 0.16% |
| 443 - Breakdown of light ballast | 3 | 0.06% |

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| | | |
|--|-------------|----------------|
| 444 - Power line down | 6 | 0.12% |
| 445 - Arcing, shorted electrical equipment | 15 | 0.30% |
| 451 - Biological hazard, confirmed or suspected | 2 | 0.04% |
| 500 - Service Call, other | 3 | 0.06% |
| 511 - Lock-out | 30 | 0.60% |
| 512 - Ring or jewelry removal | 5 | 0.10% |
| 520 - Water problem, other | 4 | 0.08% |
| 521 - Water evacuation | 29 | 0.58% |
| 522 - Water or steam leak | 11 | 0.22% |
| 531 - Smoke or odor removal | 3 | 0.06% |
| 541 - Animal problem | 3 | 0.06% |
| 542 - Animal rescue | 17 | 0.34% |
| 551 - Assist police or other governmental agency | 23 | 0.46% |
| 552 - Police matter | 2 | 0.04% |
| 553 - Public service | 43 | 0.86% |
| 554 - Assist invalid | 171 | 3.41% |
| 555 - Defective elevator, no occupants | 2 | 0.04% |
| 561 - Unauthorized burning | 60 | 1.20% |
| 600 - Good intent call, other | 22 | 0.44% |
| 611 - Dispatched & cancelled en route | 25 | 0.50% |
| 621 - Wrong location | 1 | 0.02% |
| 622 - No incident found on arrival at dispatch address | 13 | 0.26% |
| 631 - Authorized controlled burning | 20 | 0.40% |
| 651 - Smoke scare, odor of smoke | 23 | 0.46% |
| 652 - Steam, vapor, fog or dust thought to be smoke | 13 | 0.26% |
| 653 - Smoke from barbecue, tar kettle | 1 | 0.02% |
| 661 - EMS call, party transported by non-fire agency | 3 | 0.06% |
| 671 - HazMat release investigation w/no HazMat | 35 | 0.70% |
| 712 - Direct tie to FD, malicious false alarm | 3 | 0.06% |
| 713 - Telephone, malicious false alarm | 4 | 0.08% |
| 714 - Central station, malicious false alarm | 4 | 0.08% |
| 715 - Local alarm system, malicious false alarm | 9 | 0.18% |
| 721 - Bomb scare - no bomb | 1 | 0.02% |
| 730 - System malfunction, other | 1 | 0.02% |
| 731 - Sprinkler activation due to malfunction | 9 | 0.18% |
| 733 - Smoke detector activation due to malfunction | 48 | 0.96% |
| 734 - Heat detector activation due to malfunction | 3 | 0.06% |
| 735 - Alarm system sounded due to malfunction | 33 | 0.66% |
| 736 - CO detector activation due to malfunction | 39 | 0.78% |
| 741 - Sprinkler activation, no fire - unintentional | 6 | 0.12% |
| 743 - Smoke detector activation, no fire - unintentional | 37 | 0.74% |
| 744 - Detector activation, no fire - unintentional | 1 | 0.02% |
| 745 - Alarm system activation, no fire - unintentional | 52 | 1.04% |
| 746 - Carbon monoxide detector activation, no CO | 6 | 0.12% |
| 812 - Flood assessment | 2 | 0.04% |
| 813 - Wind storm, tornado/hurricane assessment | 2 | 0.04% |
| 911 - Citizen complaint | 1 | 0.02% |
| TOTAL INCIDENTS: | 5011 | 100.00% |

Emergency Medical Services

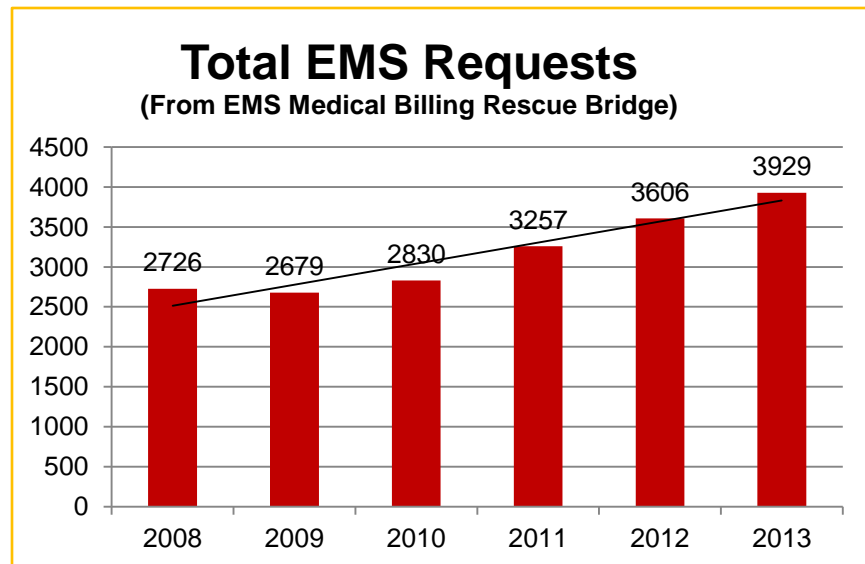
The Sheboygan Fire Department has provided emergency medical care for the citizens of Sheboygan for many years and as of January 1st, 2008 has been a licensed ambulance service provider with the State of Wisconsin. The personnel of the fire department are cross-trained in both fire services and emergency medical care. This duality of skills and equipment provides a very efficient model for providing both EMS and fire services to the community at a very high level. Response time requirements based on progression timelines for both critical medical events and fires are very similar which makes the medical response pair well with the existing fire department infrastructure. When responding to fire and technical rescue related responses, the cross-trained firefighter can apply the necessary skills to the problem at hand whether it is fire or an injured person, or both.



In 2013, the fire department responded to nearly 4000 requests for medical service. A breakdown of those requests by year over the past five years can be seen in the graph below. Of those responses, approximately 81% of those patients got transported to either a local facility, or to a facility outside of the city in order to get a higher level of care. Many of those people get care on scene and avoid a trip to the hospital by ambulance.

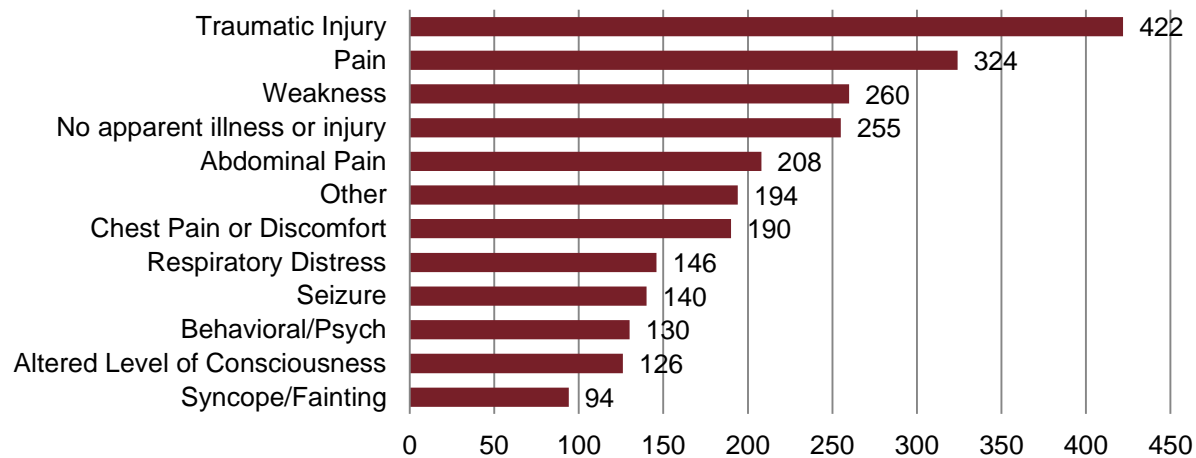
In 2012, the fire department changed medical directors. Dr. Steven Zils has agreed to fulfill the responsibilities of Service Medical Director. As a result of that new relationship, the department has been able to continue serving at a high level and also move forward with new medical protocols, more consistent training, and as of January 1st, 2013 licensure as a Critical Care Service. The

upgrade in training and equipment will increase the department's ability to manage certain critical patients in the field and during interfacility transports.



The number of EMS responses by the fire department compared to other types of requests is very consistent with departments across the country according to the National Fire Protection Association statistics for fire responses. This holds true even for departments who do not provide ALS transport services. This is due largely to the fact that those departments provide for first response and other supportive duties to those incidents as well.

2013 Top 12 EMS Call Types*



*DATA IS FROM RESCUE BRIDGE REPORTING SOFTWARE BY PROVIDER IMPRESSION

Health, Wellness and Safety

The personnel of the fire department are its most valuable asset. The importance of the health and well being of those individuals cannot be overstated. The ability of firefighters to carry out their mission in service to the public requires that they be physically fit, protected from injury, and cared for properly if injuries or exposures would occur. Like any quality business, the safety of its employees is at the top of the priority list and is probably mandated through statute and through industry standards. The Sheboygan Fire Department is dedicated to protecting the safety of its employees.

The use of respirators is vital to the service provided by the department and the Sheboygan Fire Department maintains an Occupational Health and Safety Administration (OSHA) compliant respiratory protection program as mandated in SPS 330; complete with all of the requirements including education, medical testing, fit testing of respirators, equipment purchasing, and maintenance and testing of all equipment including respirators and air supplies.



As part of the respiratory protection program, the department provides for medical clearance and testing to assure that employees are fit to be wearing and working using respirators. In 2013, all department personnel required to use respiratory protection were tested and cleared.

In addition to the respiratory mask fit testing performed for its members, the Sheboygan Fire Department provided fit testing services to 8 county fire departments and the Sheboygan County Health and Human Services Office. The revenue from these services, as planned, will assist in replacement of the equipment at the end of its service life and also is an example of shared services between governmental agencies as well as private businesses.

Safety Committee

The Sheboygan Fire Department safety committee is composed of representatives from all stations as well as staff of the department. The group meets several times throughout the year to discuss and address matters of safety concern for the employees of the department. Items such as day-to-day procedures, fireground operations, and station safety are just some of the topics discussed.

Fire Prevention and Public Education

In an effort to reduce the loss of life, injury, and property loss in the City of Sheboygan, the Sheboygan Fire Department is dedicated to providing education to the public as part of its mission.



As the hazards presented to the public change, so will the program offerings to the public. It is the department's intent to keep the education of our firefighters current to better offer training to the public about the hazards faced by members of the public and how to better avoid them.

While it is a core mission of the Sheboygan Fire Department to respond to and mitigate incidents in the City of Sheboygan, it is also the department's mission to reduce the number and severity of those incidents by proper code development and enforcement, effective and efficient response, and ongoing public education. It is through this continuous and

comprehensive program of education that the department maintains a culture of safety in the community.

This general program area of public education is vital to the success of the fire department mission. The funding for the materials used for the school programs is largely generated through a program developed and operated by the National Fire Safety Council (NFSC). Each year, local businesses are solicited for donations toward the program by NFSC on the department's behalf and those funds are used by the department to purchase all of the fire prevention materials used in the public education programs delivered in the schools.

Elementary School Programs

The Sheboygan Fire Department provides for fire and general safety education to students in grades kindergarten through fourth grade through a comprehensive program that reaches every school age child in the City of Sheboygan for five years running. This program uses materials from the National Fire Safety Council and is delivered by station personnel in the schools. In 2013, the Sheboygan Fire Department gave approximately 130 individual programs in the schools and had personal contact with approximately 4500 children with fire safety messages and activities. This continued program is a major contributing factor to the culture of safety in this community.



FAMILIES PARTICIPATE IN ACTIVITY GAME DESIGNED AND BUILT BY DEPARTMENT MEMBER

Career Connections

The Sheboygan Fire Department participates in the Career Connections program at Lakeshore Technical College in an effort to bring information to high school students from the area about the fire service as a career. An effort is made to encourage students of all backgrounds to consider the fire service for their career.

Aurora Bicycle Helmet Program

The Sheboygan Fire Department partners with Aurora Sheboygan Memorial Hospital and utilizes fire station locations as a venue for their bicycle helmet program. This allows this program to reach children and adults in all areas of the city with the message of bicycle safety and proper fit and wearing of bicycle helmets.

2013 Fire Academy

The Fire Academy program is held once a year as part of the department's complete school program delivery with the intent of educating children in a progressive manner about fire safety and accident prevention. This program is held at Fire Station #3 and is primarily geared toward smaller schools and home schooled children. This year nearly 200 students, teachers, and parents attended this year's Fire Academy.



The overall benefit to the community is the continued safety awareness education of our children. This particular program specifically benefits the smaller schools as well as the department by providing an efficient way to meet the needs of these schools that have limited enrollments.

Safety Town

The fire department participates annually with other emergency response entities to educate children about various safety topics and behaviors. This includes educational activities as well as exposure to the fire department through the use of tours and interactive activities.

The direct benefit of the program is the increased safety awareness for those who are in attendance. The indirect benefit is a better working relationship and interaction between the various local response agencies involved in the program.

Fire Extinguisher Training Program

The department has special props designed for the purpose of teaching fire extinguisher safety and use to businesses and organizations and their employees. Companies served with fire extinguisher training in 2013 included Alliant Energy, Lakeshore Community Health Center, Mayline, Sheboygan Senior Community, Sheboygan County, Vollrath, and Wisconsin Public Service.

The department fire extinguisher training program is designed to increase awareness, skill, safety and confidence for members of the public in the area of fire extinguishers, thus increasing safety and decreasing fire loss.

Rockets for Schools Program

The Sheboygan Fire Department works cooperatively with the organizers of the Rockets for Schools program in an effort to provide a safe environment with closely staged medical and fire protection for the rocket launch events. This program is considered an activity that has an increased potential for incident due to the propellants used for the rockets.

The benefit of having the fire department stage fire and EMS resources is a reduction in response delay in the event of any incident as well as a general safety presence to proactively address any unsafe conditions or acts. At the Horace Mann site, an engine company is provided and at the South Pier site, a fire apparatus and an EMS unit are provided.

Parades (4)



The Sheboygan Fire Department participates with 1-2 vehicles in the Fourth of July Parade, Sheboygan Bratwurst Day Parade, Memorial Day Parade, and the Holiday Parade.

The Sheboygan Fire Department has been a long standing participant in the parade events in the City of Sheboygan. Our involvement in these events promotes a sense of community by displaying various pieces of apparatus in parades and generally supporting parade events to help with their continued success. The fire department's presence creates an awareness of the fire department in the community and aids in the positive promotion of safety.

Medical and Fire Stand Bys

The fire department plays a huge role in the general safety of the community and the events that take place in our community. In addition to those events mentioned above, the following is a list of other events in 2013 where the department played a role in providing medical and fire protection coverage.

- Rockets for Schools
- Washington School Closing
- Vince Lombardi Clinic Picnic
- The Polar Bear Plunge
- The Fourth of July festivities including the fireworks and the Cardboard Boat Regatta
- The Miesfeld's Lakeshore Weekend Kids Fest
- The XTerra Triathlon
- Scenic Shore 150
- Recreation Department Summer Carnival
- Acuity Health Challenge
- Harvest Fest Half Marathon and 10K
- North and South High School Events
- Sheboygan Youth Football Events
- Sheboygan International Day/Bike Race

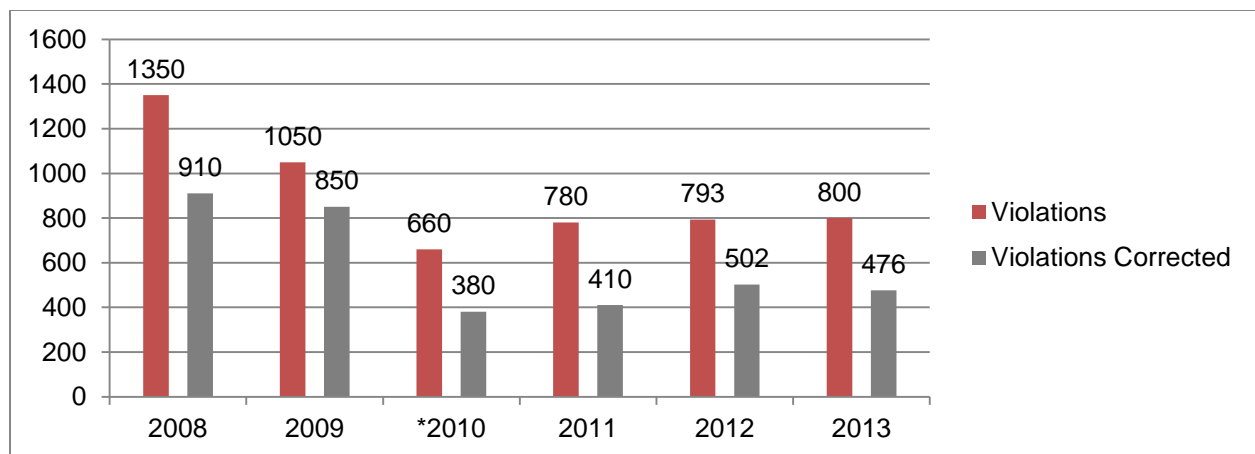
Station Tours

As always, the fire department has provided tours of the fire stations and apparatus to families and organizations from the City of Sheboygan. This gives the fire personnel the opportunity to showcase the fire department to the public and to reach out to small children and families with the message of fire safety.

Fire Inspection

As mandated by statute, the Sheboygan Fire Department inspects all businesses and residential facilities of three family and larger for potential fire violations and general safety concerns. These inspections are carried out primarily by line firefighters as a normal part of their annual duties. The fire inspection program for the department is coordinated by Battalion Chief Gary Kolberg. In 2013, the department completed approximately 1800 fire inspections. These twice-per-year inspections by line personnel began in 1986 and as a result of that process there has been increased awareness of violations and safety issues by property owners in Sheboygan and numerous corrections made for existing violations. Value added components to these inspections are better relationships with business owners in general and better awareness and familiarity for firefighters with buildings in the City of Sheboygan.

In 2013, a program was being developed to conduct these inspections electronically. The use of this program will cut down on paper record keeping and will also provide for a better historical record of inspections and will make the process of following up on violations more efficient. This program builds on the fire department Emergency Reporting Software already being used by the department for many of its other record keeping responsibilities. The hope is that it will integrate with other software programs that are being used by the city to create better communication and data access for all departments in the city such as building inspection. It is expected that this program will be fully implemented in 2015.



*In 2010, inspections were reduced to once per year for most occupancies in the City of Sheboygan.

Fire Investigation

As a result of the elimination of positions in the Fire Prevention Bureau and the subsequent redistribution of duties, the fire investigations by the department are being performed by a core of investigation trained personnel from within the fire department and the police department. The department also has participation and membership with the Sheboygan County Fire Investigation Unit which is a county team comprised of investigation trained individuals from various fire departments within the county.



BURNED INTERIOR ROOM IN A LOCAL RESIDENCE.

Members from our department assist with investigations in the areas of the county outside of the city and also

members from outside of the city assist our department from time to time with large investigations in the city. This relationship utilizes the concept of shared resources to properly perform mandated investigations of fires for cause and origin as well as potential criminal investigation if necessary. A working relationship with the City of Sheboygan Building Inspection Department is also a very important part of our investigation process that utilizes expertise and experience in other areas of building inspection to determine causes of fires.



BURNED REMAINS OF A BED IN A LOCAL RESIDENCE

Members of the Investigation Team must complete an initial 20 hour basic class in investigation which is presented by the Wisconsin Chapter of the International Association of Arson Investigators (IAAI). Additional training is gathered through seminars, additional classes through the IAAI, and meetings of the Sheboygan County Fire Investigation Unit.

Fire Investigators for the City of Sheboygan are:

- Assistant Chief Vernon Koch
- Deputy Chief Charles Butler
- Captain Ken Molitor
- FF/Paramedic Nic Noster
- FF/Paramedic Tyler Meyer
- FF/Paramedic Michael Lubbert
- FF/P Dean Bauer
- Detective Cameron Stewart



Significant Fires Investigated in 2013

According to State statute it is the responsibility of the Fire Chief to investigate all fires for origin and cause. 137 fires were investigated and documented accordingly by the Incident Commander in charge of those fires. At times, additional assistance and expertise is utilized to investigate fires. In those cases, outside investigators or members of the Sheboygan County Fire Investigation Unit are requested.

Department investigators also participated in the "Strategies of the Recorded Interview" class hosted by the Sheboygan Police Department and Acuity Insurance.

In 2013, 20 fires required a formal investigation. Of those 20, 6 fires utilized the services of the Sheboygan County Fire Investigation Unit and one required the Office of the State Fire Marshal's Office. Over 175 hours were spent investigating fire cause and origin.

The following addresses had fires that required a formal investigation:

- | | | |
|-----------------------------------|------------------------------------|-----------------------------------|
| • 1131 Oakland Avenue | • 1931 N. 11 th Street | • 1721 Ashland Avenue |
| • 3802 S. 17 th Street | • 1706 Fox Hill Road | • 1542 N. 35 th Street |
| • 1109 N. 8 th Street | • 2111A N. 13 th Street | • 620 Broughton Drive |
| • 1021 N. 8 th Street | • 1342 S. 22 nd Street | • 911 Bell Avenue |
| • 826 Taylor Parkway | • 1024 Kentucky Ave. | • 929 N. 29 th Street |
| • 829 S. 14 th Street | • 2801 S. 10 th Street | • 1505 Union Ave. |
| • 514 N. 6 th Street | • 1 Hickorywood Drive | |



1990 PIERCE ARROW PUMPER SCHEDULED FOR REPLACEMENT IN 2014.

Training and Resource Development



CREW PRACTICES TECHNIQUES IN AUTOMOBILE STABILIZATION FOR EXTRICATION.

The nature of the responsibilities of a fire department requires continuous training of its personnel to assure the best possible chance of a positive outcome when critical incidents occur. This is especially important when those events do not happen very often and you get one chance to get it right. Training and preparation is tailored to create effectiveness, efficiency, and safety when the fire department responds to incidents. The Sheboygan Fire Department provides for training of its employees through many different programs using a variety of methodologies that are designed to best meet the needs of the department both fiscally and operationally. Because of the inherent dangers present in the job, many of the training areas are statutorily mandated for the protection of both the employee and the citizens they serve.

The elimination of staff positions within the department has made it necessary to alter how the department plans, prepares, and delivers training. The duties have been redistributed to numerous personnel in an effort to maintain adequate training and monitored compliance with mandatory training requirements. Training for the department is coordinated through Battalion Chief Keith Risse. One of the ways the Sheboygan Fire Department works to maintain cost effective training is through the development and utilization of in-house instructors. These instructors are from both the line and staff of the fire department. Thirteen of the department's instructors are certified through the Wisconsin State Technical College System in various areas including Emergency Medical Services, Technical Rescue, Firefighting, and Incident Management. Where no qualified instructor is available from within the department the department will occasionally send an individual to train-the-trainer education for that topic, or an outside instructor is brought to the department.



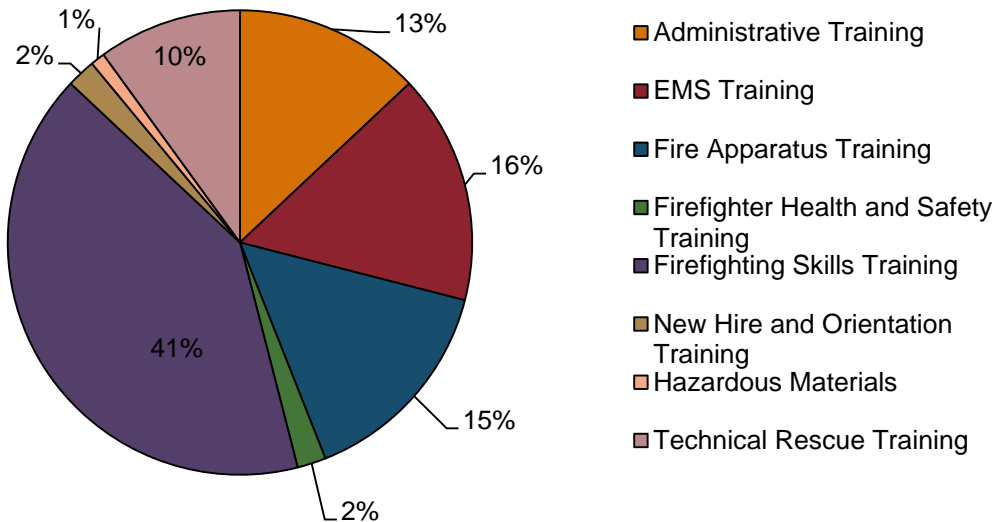
FIREFIGHTERS TRAIN FOR RESCUE WORK USING THE LADDER AND STOKES BASKET.

The following is a partial list of the major training topics delivered in 2013:



- Personnel Accountability Training
- Bloodborne Pathogens Training
- Confined Space Rescue Training
- Critical Care Paramedic Refresher Training
- Vehicle Extrication
- Emergency Management Training
- MABAS Box Alarm Training and Drill
- Fire Boat Training
- Fire Prevention Code Review
- Paramedic Refresher Training
- Driver/Operator Training

2013 Training Delivery Distribution



FIRE DEPARTMENT TRAINING DISTRIBUTION BY CATEGORY FOR 2013

| CATEGORY | # CLASSES | TOTAL DURATION |
|--|-----------|----------------|
| Administrative Training | 34 | 66 |
| EMS Training | 43 | 144 |
| Fire Apparatus Training | 39 | 70.25 |
| Firefighter Health and Safety Training | 5 | 5.75 |
| Firefighting Skills Training | 108 | 204.5 |
| New Hire Training and Orientation | 0 | 0 |
| Hazardous Materials Training | 4 | 6 |
| Incident Management Training | 2 | 16.5 |
| Technical Rescue Training | 26 | 103.5 |
| Total Class Time | | 616.5 Hours |
| TOTAL TRAINING MAN HOURS | | 6449.00 |

Technical Rescue

Technical Rescue can be defined as, "The aspects of saving life and property that employ the use of special knowledge, skills, and tools that go above and beyond those normally utilized during structural firefighting and emergency medical responses."

There are currently 13 disciplines that are considered to fall under the umbrella of Technical Rescue. Rope rescue, confined space rescue, trench rescue, structural collapse, vehicular and industrial extrication, and ice rescue are a few examples.

It is federal law that employers which require their employees to perform confined space entries, must have a designated rescue team. The Sheboygan Fire Department is the designated rescue team for other city workers.

In 2013 the department continued to expand its knowledge and capability in the area of rope rescue performing several training sessions and exercises in that area. Equipment for this area is continuously being evaluated and upgraded to perform safely and efficiently.

Vehicular extrication is an ongoing training process. Several times per year, crews are able to gather at Gus Holman and practice the various techniques necessary to remove a patient from a vehicle using the Jaws of Life.

In cooperation with the Coast Guard, the department conducted ice rescue training at the marina. Required skills and tools were reviewed and used to rescue an individual that had fallen through the ice. This cooperative and department wide training is an annual event.

At the request of a local company, the department reviewed the tools, policies, and procedures that they had in place that their employees were to utilize during a confined space emergency. Fire department personnel were able to work in conjunction with company representatives, in order to improve upon these issues.

Fire Department Intern and Ride-Along Programs

In 2013, the Sheboygan Fire Department continued the agreement with Fox Valley Technical College (FVTC) to provide a site for firefighting students to serve in an intern capacity with the Sheboygan Fire Department. In 2013, the department expanded agreements with Lakeshore Technical College to support the intern program for their Fire/Medic students.

Individuals who are interested in being interns with the department must express their wishes to FVTC and they are to submit a resume along with pertinent information such as a medical physical and a drug screen. Final decision to allow the individual into the intern program lies with the Fire Chief.

Interns are fully functional firefighters that are able to assist at fires, participate in training, and do station work. They are not permitted to drive fire department vehicles or fill a full-time firefighter's position. This is considered part of their course work with the technical college so they are not compensated for their time with the department. They are considered additional personnel only and are under the day-to-day supervision of the Company Officer of the Unit to which they are assigned.

In similar agreements, the fire department continues to have a ride-along program for paramedic students or nurse-to-paramedic students from Lakeshore Technical College. These students are required to have a prescribed number of mentored hours and patient contacts as part of their coursework with the paramedic program. These students work with department preceptors to gain field experience and knowledge in their quest for paramedic licensure.

The benefit of these types of programs is great and varied. These programs allow the department to get first-hand exposure to potential employment candidates prior to a hiring process. The interaction with students in a mentoring role helps to strengthen our own staff by being current and up-to-date with what is being taught in the technical colleges. These additional hands on the apparatus are very helpful in certain situations that require more manpower to be as efficient and effective as possible. This is also a great way to assure that a well-trained core of potential workers in the area is available to serve the community.

Support Services and Maintenance

Maintenance

The proper preventative maintenance and repair program for fire department vehicles and stations is critical to ensure that they are in a continuous state of readiness and that they are completely reliable when in service and responding to incidents. Proactive maintenance schedules, daily, weekly and monthly equipment and vehicle checks are key elements to this program.

Maintenance of Sheboygan Fire Department vehicles and stations is coordinated by Battalion Chief Dean Klein. With the retirement of the Fire Department's dedicated mechanic and the subsequent changes in the assignment of duties, the Fire Department has worked cooperatively with the Department of Public Works to develop a maintenance program for fire department vehicles.

Because the mechanics at the Department of Public Works have limited training and experience with certain fire department specialty equipment such as pumps, ladders, etc., it is necessary to use outside vendors at times for repairs and maintenance on those pieces of equipment. The department is investigating the possibility of further training in those areas for public works mechanics to be able to bring some of those maintenance needs in-house as well.

The expected service life for fire apparatus is twenty five years for engines and ladders and ten years for ambulances. That is remarkable service considering the demanding use of these vehicles. According to the National Fire Protection Association (NFPA), front line fire apparatus should be replaced every 15 years and moved to reserve status for an additional 10 years and no fire apparatus should be in service for more than 25 years.

Firefighter Protective Clothing

According to the National Fire Protection Association (NFPA) All firefighter protective clothing for structural firefighting should be replaced every ten years regardless of condition and sooner if condition is such that it no longer provides for adequate protection for firefighters. In an effort to maintain pace with that replacement schedule, the fire department replaces approximately seven complete sets per year at a cost of about \$1800.00 per set.



FIRE DEPARTMENT LADDER UNDERGOES ANNUAL TESTING TO ASSURE PROPER OPERATION AND SAFETY.

Grants Awarded and Significant Donations

- The Sheboygan Fire Department submitted a grant proposal to Walmart Corporation for funds to expand our smoke detector program in the city and as a result of the proposal, the department received a \$2000.00 check to be used toward the purchase of smoke detectors. The detectors will be used in the community to assist in gaining compliance and protection for those in need.
- A generous donation from Windway Capital of \$1000.00 was also received to expand our CPR education program. Funds will be used to purchase new training aids and to partner with other agencies in 2014 to provide a large scale CPR training event.

Other Significant Activities



The firefighters of the Sheboygan Fire Department also continue to be involved in projects and programs that are beneficial to the community. In 2013, off-duty personnel assisted with the design and construction of the fire station exhibit at the Children's Museum in downtown Sheboygan. Working with other donors and volunteers, the award-winning project was a major accomplishment of the fire department and members of IAFF Local 483.

Promotions in 2013



LIEUTENANT ROBERT
KOCMOUD

In Memoriam



Ernst Denecke
(1951-1985)

Born: 1927
Appointed: 1951
Retired: 1985
Retired a Lieutenant
Returned to Quarters: 2013

Thanks to Asher Heimermann for the use of photographs used in this report.