Greendale Fire Department
Annual Report

2018
Mission Statement
The mission of the Greendale Fire Department is to protect the lives and property of Greendale residents, visitors, and all who call upon us with professionalism, compassion, and integrity. Our mission shall be accomplished through proactive fire prevention, education, and inspection efforts. We shall focus on training and be prepared to provide emergency medical, fire suppression, and special services when called upon.

Vision Statement
The Greendale Fire Department will continually evaluate trends, assess the needs of the community, and make changes to the services we provide to meet and exceed community expectations.
The mission of the Greendale Fire Department is to protect the lives and property of Greendale residents, visitors, and all who call upon us with professionalism, compassion, and integrity. Our mission shall be accomplished through proactive fire prevention, education, and inspection efforts. We shall focus on training and be prepared to provide emergency medical, fire suppression, and special services when called upon.
Greendale Fire Department 
2018 Annual Report
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BOARD OF TRUSTEES

PRESIDENT
James M. Birmingham

TRUSTEES
Ronald A. Barbian
Sally A. Chadwick
Jason Cyborowski
Carl G. Genz
Donna Ouellette
Vacant

VILLAGE MANAGER
Todd Michaels

POLICE & FIRE COMMISSION
Greg Weyer, Chair
Jeff Birmingham
Patrick Farley
Tom Kuzmanovic
Nikki Moews
PERSONNEL
Promoted, Appointed, Retired, Resigned

Appointments in 2018
None

Promotions in 2018
None

Retired in 2018
None

Resigned in 2018
None

Demotions in 2018
None

Terminated in 2018
None
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>2018 Budget</th>
<th>Actual Expenditures</th>
<th>%</th>
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<td>E01-22-42100</td>
<td>Salaries - Regular</td>
<td>$1,474,091.00</td>
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<td>Salaries - Temporary</td>
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<td>E01-22-42300</td>
<td>Salaries - Overtime</td>
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<td>E01-22-45300</td>
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<tr>
<td>E01-22-46100</td>
<td>Social Security</td>
<td>$0.00</td>
<td>$0.00</td>
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<tr>
<td>E01-22-46200</td>
<td>Retirement Contributions</td>
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<td>E01-22-46300</td>
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<td>E01-22-51100</td>
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<td>E01-22-51200</td>
<td>Apparatus Maintenance</td>
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<tr>
<td>E01-22-55100</td>
<td>Office Supplies</td>
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<td>Telecommunication</td>
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<td>E01-22-56100</td>
<td>Dues/Publications</td>
<td>$1,600.00</td>
<td>$1,349.00</td>
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<td>E01-22-56300</td>
<td>Training</td>
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<td>E01-22-57100</td>
<td>Utilities</td>
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<td>Housekeeping Supplies</td>
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<td>Firefighting Supplies</td>
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<td>E01-22-65300</td>
<td>Ambulance Supplies</td>
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<td>E01-22-65510</td>
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<td>E01-22-92900</td>
<td>Miscellaneous</td>
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<tr>
<td><strong>Total</strong></td>
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<td><strong>$2,578,684.00</strong></td>
<td><strong>$2,466,406.00</strong></td>
<td><strong>95.65%</strong></td>
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# EMERGENCY RESPONSE
## 10-YEARS

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Alarms</th>
<th>EMS</th>
<th>Fires</th>
<th>Fire Loss</th>
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<td>1686</td>
<td>1351</td>
<td>54</td>
<td>$185,050</td>
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<tr>
<td>2009</td>
<td>1701</td>
<td>1400</td>
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<td>$32,500</td>
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<tr>
<td>2010</td>
<td>1646</td>
<td>1398</td>
<td>55</td>
<td>$27,500</td>
</tr>
<tr>
<td>2011</td>
<td>1625</td>
<td>1400</td>
<td>47</td>
<td>$405,000</td>
</tr>
<tr>
<td>2012</td>
<td>1749</td>
<td>1501</td>
<td>38</td>
<td>$70,000</td>
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<tr>
<td>2013</td>
<td>1897</td>
<td>1652</td>
<td>35</td>
<td>$65,110</td>
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<tr>
<td>2014</td>
<td>2031</td>
<td>1790</td>
<td>36</td>
<td>$208,400</td>
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<tr>
<td>2015</td>
<td>2029</td>
<td>1819</td>
<td>44</td>
<td>$284,650</td>
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<tr>
<td>2016</td>
<td>2204</td>
<td>1949</td>
<td>39</td>
<td>$883,200</td>
</tr>
<tr>
<td>2017</td>
<td>2288</td>
<td>1974</td>
<td>40</td>
<td>$263,440</td>
</tr>
<tr>
<td>2018</td>
<td>2110</td>
<td>1810</td>
<td>23</td>
<td>$79,010</td>
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</table>
2018 Emergency Responses

Incident Type

Monthly Call Volume
Emergency Run Stats

Mutual Aid

Aid Given 178 calls
Aid Received 192 calls

Overlapping Calls 458 calls 22% of total calls
(Two or more at once)

Lights and Siren – Average Response Time (Dispatch to Arrival)

EMS 5:01 min/sec
Fire 6:12 min/sec
Average 5:08 min/sec

Lights and Siren – Average Turnout Time (Dispatch to Enroute)

EMS 1:57 min/sec
Fire 2:34 min/sec
Average 2:01 min/sec
OPEN HOUSE
Training and Rescue Award
Emergency Medical Services

In 2018 the Greendale Fire Department went on a total of 2,110 total calls for service with 1,810 being emergency medical service (EMS) calls. We were able to provide the residents of Greendale with exceptional services and care with a relatively high call volume for a department our size. We currently operate at the Advanced Life Support (ALS) level but we also have the flexibility to provide Intermediate (ILS) or Basic Life Support (BLS) as needed for appropriate patient care. We currently operate two transport ambulances one of which is a dedicated ALS Paramedic unit and a second unit may be staffed to operate at an ALS, ILS, or BLS level. This flexibility in staffing and apparatus allows us to provide a very wide range of medical services and appropriate care and transport options to our patients but also allows the Greendale Fire Department to have resources available for second or third calls. In addition, all of our fire apparatus are equipped with medical supplies, oxygen, and automatic defibrillators in order to provide medical services until a transporting medical unit arrives on scene.

All 18 members of our line staff can operate at a Basic Life Support (BLS) level and can provide basic care and transport of ill or injured patients. Some of our basic skills include wound care, splinting of fractures and dislocations, cervical spinal precautions, basic vital signs, Cardiopulmonary resuscitation (CPR), airway management, administration of several lifesaving medications, and many other skills too long to list. The Greendale Fire Department has approximately 241 years of total on staff experience providing BLS in and around the Village of Greendale. In addition, 15 members of our staff are also State of Wisconsin licensed Advanced Life Support Paramedics (3 members are licensed as BLS only). Paramedics can provide a much higher level of service and care than BLS can. Some of the skills our Paramedics can deliver are advanced cardiac care, advanced airway placement, treatment of critical respiratory conditions, care for diabetic emergencies, intravenous therapy and fluid replacement, and many other critical patient care practices. Our Paramedics have a total of 104 total years providing ALS care in and around the Village of Greendale.

The Greendale Fire Department receives our continuing EMS training from Milwaukee County Office of Emergency Management-Emergency Medical Services Division under the medical direction of Dr. Riccardo Colella. Paramedics complete several refresher trainings throughout the year delivered over an internet based teleconference program. All teleconferences are also recorded and are able to be viewed at a later date if needed. Paramedics from multiple Milwaukee County fire departments simulcast with a Milwaukee County EMS instructor who provides training on predetermined EMS topics. Milwaukee County EMS instructors also deliver
quarterly EMS hands on skills training at our station. Milwaukee County provides a full simulation ambulance that is fully equipped with all of the equipment we carry on our transport units along with a simulation victim that displays full vital signs and various ailments that can be diagnosed and treated by Paramedics. This allows us to demonstrate hands on skills and scenarios in our station under the tutelage of qualified instructors. In addition, Paramedics and BLS personnel are assigned educational modules on our training software (Target Solutions) covering a variety of EMS related subjects and they are tested after completion of the modules to demonstrate competency. We also have six of our Paramedics who are certified as Advanced Cardiac Life Support (ACLS) and Pediatric Life Support (PALS) instructors. ACLS, PALS, and CPR are required Bi-annual trainings that all Paramedics must complete in order to remain licensed as Paramedics. Both ACLS and CPR were delivered by our instructors in 2018 and our PALS certification will be renewed in May of 2019. Having our own in house ACLS, PALS, and CPR instructors’ helps immensely with continuing Paramedic training.

The Greendale Fire Department will continue to serve the residents of Greendale and surrounding communities with the best possible care. We will treat residents, visitors, and all who call upon us with professionalism, compassion, and integrity.

Respectfully Submitted,

Captain Michael Schmitt

Greendale Fire Department EMS officer
2018 was a very busy year for the Greendale Fire Department in regards to fire training. 2018 was our first full year in our new fire station and we were able to utilize the facility to deliver a large scope of fire and EMS trainings to our members. The training room provides an outstanding environment for classroom style trainings such as PowerPoints, watching educational/training videos, reviewing policies and protocols, and participating in live webinars with outside agencies. The apparatus floor has ample room for small hands on trainings such as SCBA drills, forcible entry drills, search and rescue, and basic vehicle stabilization to name a few. We used the apron in front of the station to due hose line deployment and nozzle flow testing, power saw operations, and water supply drills. The hose tower was used for ground ladder raises, ropes and knots drills, and aerial operations.

Greendale Fire was fortunate to have access to the Kmart on South 108 Street in Hales Corners for all of 2018. We focused on Rapid Intervention Teams (RIT) and firefighter survival skills in the vacant facility. Rapid Intervention Teams are a group of firefighters dedicated solely to the rescue of other firefighters on a fire scene. Greendale firefighters completed various evolutions and drills that focused on firefighter self-survival/self-rescue and RIT skills that culminated in a complete scenario testing all of the skills learned over the year.

Several department members were able to attend a Truck Company class hosted at the Wauwatosa training tower. They worked on flat roof ventilation, pitched roof ventilation, ladder raises, and search and rescue. The class was put together by the Milwaukee County Fire Training Officers and had instructors from some of the busiest departments in the Midwest.

Below is a brief list of some additional trainings the department members participated in:

- Forcible entry
- Airbags and vehicle cribbing/stabilization
- Vent-Enter-Search
- Denver Drill and breach rescues
- Apparatus pumping and master streams
- Trench rescue awareness
➢ Down firefighter CPR and superheated gear removal
➢ Clearing and troubleshooting nozzle obstructions
➢ Natural gas emergencies and gas meters
➢ Rescue Task Force equipment and procedures review
➢ Ground ladder cleaning and maintenance
➢ Turnout gear donning and SCBA donning drills
➢ Power saws and ventilation tactics
➢ Hose line deployment and nozzle flow testing

This is a small portion of the trainings done throughout the year. Many members attend classes on their own time and company officers hold impromptu training throughout the year.

Respectfully Submitted,

Captain Michael Schmitt

Training Officer
Self-Contained Breathing Apparatus

The Greendale Fire Department uses the Self-Contained Breathing Apparatus (SCBA) every time we enter a possible contaminated atmosphere. We use the Firehawk model that is manufactured by Mine Safety Appliances (MSA). Our SCBA's were purchased in 2013 from a shared Grant with several surrounding communities. These SCBA's should be in service until the year 2027.

All Airpacks are inspected regularly, all bottles receive hydrostatic testing and all members receive individual quantitative fit testing to ensure proper sizing and seals.

<table>
<thead>
<tr>
<th>Current Firehawk Airpack Inventory</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine 4</td>
</tr>
<tr>
<td>Engine 401</td>
</tr>
<tr>
<td>Ambulance M44</td>
</tr>
<tr>
<td>Ambulance M45</td>
</tr>
<tr>
<td>Truck 4</td>
</tr>
<tr>
<td><strong>Total in Station</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Current H-30SL 4500 PSI Bottle Inventory</th>
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</thead>
<tbody>
<tr>
<td>Engine 4</td>
</tr>
<tr>
<td>Engine 401</td>
</tr>
<tr>
<td>Ambulance M44</td>
</tr>
<tr>
<td>Ambulance M45</td>
</tr>
<tr>
<td>Truck 4</td>
</tr>
<tr>
<td>Spares in Station</td>
</tr>
<tr>
<td><strong>Total in Station</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Current Facepiece Inventory</th>
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<tbody>
<tr>
<td>Engine 4</td>
</tr>
<tr>
<td>Engine 401</td>
</tr>
<tr>
<td>Ambulance 404</td>
</tr>
<tr>
<td>Ambulance 405</td>
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<tr>
<td>Truck 4</td>
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<tr>
<td>Spares in Station</td>
</tr>
<tr>
<td>Assigned to Staff</td>
</tr>
<tr>
<td><strong>Total in Station</strong></td>
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</table>

Respectfully Submitted,

Lieutenant Kyle Kierzek  
Greendale Fire Department
Community Education and Fire Prevention

The Greendale Fire Department provides fire and safety education in the form of CPR training and Fire Prevention Assemblies.

CPR

The fire department offers American Heart Association CPR classes through Greendale Park and Recreation. The department offers CPR classes 4 times per year. Listed below are the current AHA instructors.

- FF Pete Rabinek CPR
- FF Jim Hintz CPR
- FF Andy Browning CPR, ACLS, PALS
- Lt. Jeremy Childers CPR, ACLS, PALS
- FF Jarod Kimber CPR, ACLS, PALS
- FF Ryan Schwnekner CPR, ACLS, PALS
- FF Jeff Sczerzen CPR, ACLS, PALS

Fire Prevention

2018’s National Fire Prevention theme was “Look, Listen, and Learn; fires can happen anywhere”

The fire prevention team performed assemblies for K-3rd graders at College Park, Highland View, Canterbury, and St. Alphonsus schools. A fire prevention questions and answer session was given at Greendale Baptist school.

The goal of the fire prevention team is to make fire prevention entertaining. We believe that this is the best way educate young audiences. The team uses drama as a medium to present the fire prevention message. The team has four skits that rotate annually. This year we created a new “game show” themed skit. Two faculty members at each school posed as game show contestants to test their fire prevention IQ against firefighter/actors.

Greendale continues to have an excellent fire safety record, due in large part to our elementary school education program.
2018 Apparatus and Equipment

The apparatus and equipment of the Greendale Fire Department provide daily service to the village. Excellent purchasing decisions along with a consistent maintenance and repair program ensures equipment will have a full service life, and many times exceeding the expected service life. The current fleet of apparatus in service now consists of:

- Engine 401 is a 1994 1500gpm Pierce Saber and can respond to virtually any incident. It is fully equipped for structure fires with hose, 500 gallons of water, ground ladders and all related general tools. It is powered by a Detroit series 40 turbocharged diesel engine and an Allison automatic transmission. The on board diesel generator is capable of powering multiple halogen flood lights to provide lighting at any emergency scene. Engine 401 is now used as a reserve engine.

- Engine 401 was not used as a front line engine for the last 3 years and should be evaluated to see if we should keep it or sell it. Even though we don’t use this unit we do incur cost by keeping it certified with ladder and pump testing at a cost of $335.00 in 2018.

- Engine 4 is a 2013 Pierce Arrow XT with an extended and raised cab that shares many similarities with Truck 4. It also has a 2000 gpm pump but carries 750 gallons of water on board, giving this engine the largest water supply of any engine in our history. A 30 gallon on board foam supply and pump improves versatility and efficiency. All doors are roll up style, and a large hydraulic generator with LED scene lighting provide incredible illumination at emergency scenes. Engine 4 is powered by a Detroit DD13 Turbocharged Diesel engine with an Allison ESU 6 speed automatic transmission, features Pierces TAK 4 front suspension with stability control and ABS disc braking. The polished Alcoa aluminum wheels are identical to Truck 4. New TNT extrication equipment replaced the old and outdated Hurst equipment that was carried on Engine 401. A full set of airbags completes the extrication equipment, and Engine 4 will respond to all vehicle accidents and heavy rescue calls. Engine 4 will also respond to working fires in the Village and any mutual aid requests for an engine. The features and capabilities of Engine 4 are too numerous to list in a few paragraphs, but the engine compliments Truck 4 perfectly and will serve the Village for many years to come.

- Engine 4 had $4281.65 in repairs in 2018.

- Truck 4 is a 2009 Pierce 2000 gallon per minute quint aerial ladder on a Pierce Arrow XT cab with a Pierce 100’ Aluminum Ladder. This vehicle was assigned a “Truck” title because of Greendale’s participation in the MABAS system. Truck 4’s aluminum ladder was chosen because of many significant advantages over steel: Higher tip load, greater water flow capacity, narrower outigger footprint and to get the strength the ladder is wider and Railings are taller giving a more substantial climbing platform, all of these features and advantages while reducing weight and lowering the center of gravity. Reduced weight and lower center of gravity results in less chance of tipping or rollover and improved stopping and handling characteristics. The cab features seating for six firefighters and is air conditioned for rehab of overheated firefighters. A computer controlled stability system is a proactive accident avoidance system that controls road speed, braking and turning. The pump can flow 2000 gallons of water a minute and has an on board dual class foam system for instant foam application. Cabinets are roll up style doors that allow for easier opening. The Truck is powered by a Detroit series 60, 6 cylinder turbocharged Diesel and Allison ESU 6 speed automatic transmission. This power train was the top drive train available and has become the standard for Heavy duty Fire service aerial ladders. The chassis is a heavy duty chassis with tandem rear axles and a Tak 4 independent front suspension with front disc brakes. The Tak 4 front suspension is Pierces latest design that dramatically improves maneuverability and reduced turning radius.

- Truck 4 had $1538.17 in repairs 2018.

- Two 2015 Ford E450 Lifeline Ambulances. Delivered in November and put in service in December 2015. These 2 units are powered by the Triton V-10 gasoline engines. They are similar in size to our previous units however, this is the first time that ambulance were purchased specifically as Paramedic units. The interior layout was designed by Greendale Fire Department
members for our specific needs. The new units carry all the advanced life support equipment and as always, the Ambulances meet all State of Wisconsin standards and are equipped identically. Some new equipment was also purchased that will improve service including a power stretcher and stair chair.

- Ambulance 404 is a 2007 Ford Med Tec Ambulance. This unit was not used in 2018 and is now downgraded to a reserve ambulance. The unit is a 2007, and is on Ford E450 chassis. It is powered by a 6.0 liter Navistar turbocharged powerstroke diesel. This Ambulance is equipped according to standards established by the State of Wisconsin. Annual inspections by the state of Wisconsin have shown these vehicles are equipped and maintained to the highest standards. The full complement of basic life support equipment along with cardiac defibrillators, oxygen, selected drugs, specialized communications equipment and advanced airway equipment help provide an excellent emergency medical service.

- The old Med 404 has not been used since 2015 and should be looked at being removed from our fleet. At this time this unit will be given to the police department in 2019 to replace their old SWAT van.

- Utility 4 is a 2011 Chevrolet Silverado ¾ ton 4 wheel drive with a 4 door crew cab. Utility 4 is powered by a 6 liter gasoline V8 and an automatic transmission. The unique addition to Utility 4 is a 6 door rear service body that greatly improves efficiency and can carry significantly more tools and equipment. U4 can supply manpower at an incident or deliver the confined space trailer, and necessary personnel to a confined space incident.

- One 1998 Wells Cargo 25 foot Confined Space emergency response team trailer. Trailer 410 is a modified trailer specially prepared to carry all required equipment to handle a Confined Space incident such as, a supplied air system, ropes and pulley systems, atmospheric monitoring systems and ventilation equipment. The confined space team has been disbanded due to a lack of need, and most equipment is beyond its life expectancy. The equipment and trailer will be sold or removed from service in 2017.

- 1 Fire Chiefs car. Car 400 is a 2012 Chevrolet Equinox and is equipped with a 4 cylinder gasoline engine, and is all wheel drive. This vehicle provides transportation for the Fire Chief to any emergency incident. Outfitted with some of the tools and equipment to command and coordinate an emergency incident this vehicle can also serve as an initial command post.

**Special equipment inventory**

- Self-Contained Breathing Apparatus. In 2012, all self-contained breathing apparatus were replaced with state of the art, brand new mask mounted regulator MSA units. The money for these units was obtained through a Federal grant. SCBA units allow firefighters to advance quicker, deeper and safer in almost any hazardous environment from interior firefighting to hazardous materials incidents. The result is lower fire losses, fewer injuries and a greater chance of a successful rescue.

- A set of rescue 42 jacks were purchased for engine 4. These jacks are typically used to stabilize a vehicle that are on their side or upside down after an accident and the patient needs to be extricated. The system offers remarkable stability and safety by eliminating the chance a vehicle could move or roll while rescue teams are tending to a patient

- Two Thermal imaging cameras. One of the cameras was purchased as a result of a fundraiser organized by Greendale Fire Department members. Both cameras use military technology to allow firefighters to see in zero visibility. It has uses in structural firefighting for search and rescue, locating the seat of the fire and helping firefighters maintain orientation in unfamiliar zero visibility situations. It also can be used in certain hazardous materials incidents by thermally indicating product volumes of containers and vessels.
• Communication equipment. All base, mobile and portable radios have been replaced with a trunked 800 MHz system. This required some changes to our standard operating guidelines. Truck 4 and Engine are dual equipped with an 800 and a VHF radio this allows us to be compatible with the recently implemented MABAS system of mutual aid. Greendale is also now regularly using cellular phones, internet, fax and 2 way radio technologies. These resources allow firefighters to gain vital information needed to mitigate an emergency or obtain the resources needed to solve the problem.

• Gasoline powered saws. The Greendale Fire Department has a predominantly Husqvarna power tool inventory. A variety of gas powered chain and circular saw tools allow firefighters to ventilate or gain access in almost any situation in only moments. Both Engines and the Truck (Aerial Ladder) carry chain and circular saws. An additional large gas powered extrication saw with a demolition style blade was purchased; preliminary tests prove the saw works very well.

• A 25 KW emergency standby generator. A continuous power supply is mandatory for any emergency services unit to operate reliably. This unit starts automatically upon a power failure and operates off of Natural gas. This generator will ensure that continuous power is available to operate lights, telephones, radios, overhead doors, battery chargers and any other equipment required to respond to an emergency without delay. Without this generator, delays in responding and the loss of reliability of specialized equipment could result during a power loss.

• Atmospheric monitoring equipment. A variety of meters that firefighters must use to determine if environments are safe or hazardous. New 4 gas meters were purchased in 2013 and are used regularly during the heating season to inspect residences and businesses for hazardous levels of carbon monoxide. They are also an essential tool at a confined space incident, natural gas emergencies or any emergency where the air quality could be affected.

• TNT hydraulic heavy rescue tools. This equipment is used primarily at automobile accidents to remove trapped occupants.

• Gasoline and electric powered fans. Ventilation is a key element at any hazardous atmosphere. These high powered fans allow firefighters to ventilate out hazardous gasses and introduce fresh air. Improving the chance of a successful rescue and making working conditions safer for firefighters.

• Hand and power tools. A wide variety of special tools allow firefighters to complete the broad range of tasks they encounter. Ranging from a simple screwdriver to complex hydraulic spreaders and electronic equipment, all firefighters must of a solid understanding of the use of all these tools.

Care and maintenance

• As in the past, fire department personnel complete all maintenance and minor repairs in house. An increasing amount of highly technical equipment requires a large amount of time and effort to keep things running. A computerized inventory and maintenance schedule eases some of the difficulties. Significantly, less down time and of course very large cost savings. Despite the effort, recently some repairs are sent out because of the increasing complexity of the repair and the limited time available because of quickly increasing run volume.

• When we can, repairs are completed at the fire station. Once again this improves operations and cost savings through reduced expenses and overtime. Examples of repairs are air and fluid leaks, chassis repairs, electrical and computer repairs. In some situations, repairs must be sent out, as in warranty work or when time and tools available are inadequate for the required repair.
• Specialized areas. A few fire fighters assist in specific areas to assist with fundamental tasks. This includes battery checks, flashlights, HVAC filter replacements, maps and first aid equipment inventory.

• Repair shop and related tools, the basic tool inventory of the Greendale Fire Department provides the basic tools required for service and maintenance work. However, apparatus and equipment have evolved into very complex pieces of machinery and many times the department must rely on the DPW and personally owned tools to complete various maintenance and service tasks. The department is quickly getting to the position of having to start purchasing specialty hand tools, for example the new ambulances need specific tools simply to complete basic service work.

• Annual Fire pump service testing. Pump testing is performed by an independent outside contractor. 1500 gallon a minute pumps were difficult for on duty firefighters to test, but with the addition of two, 2000 gpm pumps, it became impossible with our test equipment to safely conduct the test.

• Annual ground and aerial ladder testing. An independent unbiased outside contractor conducts this testing, and helps ensure the reliability and safety of all ground ladders.

The Greendale Fire Department’s apparatus and equipment provide excellent service to the community. A considerable amount of hard work, time and dedication goes into maintaining and repairing it, allowing it to serve the community in a safe and reliable manner. The recent purchases of a 100’ aerial ladder truck, a new engine and a Chiefs car were a great investment into the future service capability of the department. Continued service combined with daily, weekly and periodic checks help the fleet continue to serve the Village of Greendale for many years to come.

Respectfully submitted,

Captain Mike Wojnowski

Greendale Fire Department
Fire Inspection 2018

The Fire Inspection bureau continued this year doing inspection and issuing permits along with plan reviews of all public buildings throughout Greendale. At the end of 2014 we hired a plan review company to review site plans for us starting in 2015 instead of waiting for the state to do them. This should allow for quicker turn around on plan reviews. The fire department is required to inspect all residential [greater than duplexes], schools, churches, apartments, mercantile, and industrial buildings per Wisconsin State Statute 101.14. These inspections rely primarily on educating occupants / owners on inspection items that need to be fixed or repaired to meet compliance to the NFPA and Greendale Fire code standards. When these codes are not met, we do have in place ways of issuing fines and fees to bring these occupancies up to compliance. Our goal is to get resolution through voluntary compliance through education and understanding by the building’s owners and occupants. We are also able to generate revenue through fire inspection efforts by charging business’s a fee through Village ordinance 12.15 and collecting a 2% Fire Insurance premiums we receive through the state of Wisconsin statute 101.583. Every year I work with the Village Treasurer to keep our contacts updated so we can collect these fees from the building owners in a timely manner.

The Fire Department did 993 inspections this year including the 90 walk-a-round inspections of all apartment and condo complex’s in Greendale that don’t have common areas. These walk-a-round inspections are done to make sure the fire alarm systems are working correctly and there are no gas or charcoal grills above the first floor or within 10 feet of the building. These inspections are divided up between the three work shifts. Each shifts Lieutenant is responsible for completing and logging these inspection reports to keep us in compliance with the State of Wisconsin. They also have to keep updating the occupancies contact information. This year we rotated the inspections to a different Lieutenant so they would have to inspect a different type of occupancy. “A Shift” is in charge of all of the Southridge Mall and the 76th St. corridor. “B Shift” is in charge of all apartments and other multifamily buildings in Greendale. “C Shift ‘is in charge of schools, industrial, churches and all businesses on Broad Street. In 2018, while doing these inspections, we were able to have 169 violations corrected to make Greendale a safer place for the residents and the people who visit the Village of Greendale.

This year, we were not only busy doing inspections of buildings and businesses already in Greendale, but also reviewing plans of new businesses and buildings coming to Greendale. We along with the building department have inspected and did plan reviews of new businesses and remodels’ throughout Greendale. These require time looking at alarm and sprinkler plans to make sure they follow the NFPA and local fire codes. This has gotten easier for us since hiring FSCI to help with plan reviews.

Southridge Mall keeps us busy every year due to the high turnaround of store staff, in order to keep contact information of all the stores that are moving in / out and changing of store managers. This is very important to us in case we need to contact stores after hours of operation.
Since 2014 all three shifts are using IPad’s for their shift inspection in order to go paperless by emailing the occupancy their inspection results. It took some time to work some kinks out but all shifts are able to complete inspections in a less time. In January of 2017 we started doing fire inspections on Emergency Reporting software and continue with it today.

In 2018, the department issued:

- 3 burning permits
- 3 bonfire permits
- 1 welding permits

Over the past year, I have attended the Area 5 inspectors meetings that are held in the Milwaukee Metro area. These meetings allow me to keep up and bring back to the department new laws and codes that need to be enforced throughout Greendale. These meetings also keeps us informed of new laws and regulations we will have to enforce in the future. I’m also able to work with other inspectors in our area on code enforcements, policies and procedures to make our fire inspectors able to inspect more efficiently.

**Turn Out Gear**

In 2018, we replaced another two (2) sets of turn out gear in order to keep up a rotation of replacing all gear every 10 years to keep us compliant with the NFPA standard 1971. Our goal is to replace 4 sets of gear every year to eliminate the high cost for replacing every ones gear at one time. We are still able to purchase gear at a reduced price by being a member of the state buying group.

In 2018 we replaced six (6) fire fighters’ helmets to keep in compliance of the NFPA standards.

**Fire Hose Testing 2018**

Every year we must test all fire hose to be NFPA 1962 compliant. Over the last few years we have been updating our fire hose so we can test it and repack it back onto the rigs saving us time. In the past every shift would have to test the hose and this was very time consuming usually taking each shift over a month to complete. In 2015 we hired a hose testing company to test our hose and they were able to complete the testing in a day and a half allowing us more time to handle the increase call volume and giving us more time to train. In 2018 it took Fire Cat hose testing 8 hours to test all 11550 feet of hose. In testing we had 250 feet of hose fail and was taken out of service.

Respectfully submitted

Captain Mike Wojnowski