

THIENSVILLE FIRE DEPARTMENT



ANNUAL REPORT 2018



Thiensville Fire Department

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Honorable Village Board Members,

It is my pleasure to provide a report of activity and accomplishments for 2018. Your significant investment in a full-time Deputy Chief in 2017 has paid great dividends since creating the position nearly two years ago. Not only did it help stabilize paramedic coverage, but it has greatly reduced call response times and provided daytime operational oversight of the department.

We continued to experience substantial growth in call volume. Unfortunately, while this call volume growth is noteworthy, despite our best efforts to increase firefighter/EMT/Paramedics recruits, we have followed local, state and national trending of lower than desired new membership.

Although we did not achieve our recruitment goals last year, we did attract new members whom have begun their required certification training to ensure we have a cross-trained staff able to respond to all hazard emergencies. We were also fortunate to have several former members that took career firefighter positions decide to return to the department to lend their time and expertise to the department.

Our department members are offered diverse in-house training opportunities to ensure their skills sets are kept in an optimal state of readiness with two fire and one EMS training session per month. We are pleased to report that there has been a great deal of interest by department members to get involved with the dive team. It will take approximately one year to get them through their training but the injection of new people on the team was sorely needed!

We also continued our multiple community outreach programs including Public Safety Day, station tours, school visits, birthday parties, Truck-or-Treat Food Drive, Village Tree Lighting, community CPR trainings, child car seat inspections and much more!

It is my hope that this report will highlight the many outstanding achievements that we realized in 2018. Please know that our department members are very much aware that our achievements would not be possible without your continued support!

Regards,

Brian J. Reiels

Brian J. Reiels
Fire Chief



Executive Summary:

As was mentioned earlier, TFD call volume continues to show substantial growth. 2018 recorded a 13% growth in call volume over the previous year for a total of 827 calls. With this jump in call volume, it is noteworthy to mention call volume in the last two years has jumped a staggering 23%!

In the year and a half since the full-time Deputy Chief position was created, it has proven to be a wise investment. Having a chief officer available to handle the operational needs of the department and to be available for public inquiry regarding fire and life safety codes on construction projects underway and those being planned has been incredibly valuable! Although we continue to experience paramedic/firefighter staffing shortages, Chief Joel Deutsch's position has greatly helped to stabilize the paramedic program. His presence has also decreased average response time down to as little as four minutes in the Village!

Training continues to be a primary focus for the department. Our partnership with Aurora Medical Center continues to show great value from no cost high quality on-site training to reduced cost of advanced life support medications. Our fire suppression training continues to provide an all hazards approach. Our robust training offerings ensure active members skills are maintained at a high level!

As you will recall from last year's annual report, we were unsure about the continuation of providing dive rescue services in the Village. As a result of an internal and external push for new membership on the team, we have had an injection of new people on the team. While it will most likely take a year to get through the entire required dive certification classes, several of the new members are well on their way to being functional members.

Recruitment continues to be a significant challenge and focus of our efforts. Utilizing social media has been instrumental in attracting younger people to the department but the significant amount of our recruits still come from members reaching out to peers in the emergency services field. We will continue to be open to all avenues and mediums for attracting high quality recruits to the department.

As you will see in the chart below, the departments' response to emergent-level calls in the Village is truly outstanding and beats many career staffed department response times! The department has established response guidelines to greatly reduce risk to public and emergency responders by making only life threatening calls for service as emergent.

Basic - Incident Type Code	Basic - Incident Type Description	Basic - Count of Incidents	Basic - Average Alarm to First Unit Arrival in HHMMSS	Basic - Average Alarm to In-Service in HHMMSS
321	EMS call, excluding vehicle accident with injury	74	00:04:54	01:08:10
444	Power line down	1	00:03:00	00:20:00
511	Lock-out	1	00:07:00	00:29:00
611	Dispatched and cancelled enroute	2	00:03:00	00:04:00
735	Alarm system sounded due to malfunction	4	00:04:13	00:21:35
745	Alarm system activation, no fire - unintentional	6	00:03:50	00:20:36
Grand Total		88		

MABAS Response to Racine County



Motor Vehicle Crash





Incident Type Report (Summary)
From 01/01/18 To 12/31/18
Report Printed On: 05/14/2019

Incident Type	Count	% of Incidents	Est. Property Loss	Est. Content Loss	Total Est. Loss	% of Losses
1 Fire						
Building fire (111)	3	0.36%	\$500.00	\$500.00	\$1,000.00	14.29%
Cooking fire, confined to container (113)	1	0.12%	\$0.00	\$1,000.00	\$1,000.00	14.29%
Chimney or flue fire, confined to chimney or flue (114)	2	0.24%	\$0.00	\$0.00	\$0.00	0.00%
Brush or brush-and-grass mixture fire (142)	2	0.24%	\$0.00	\$0.00	\$0.00	0.00%
Garbage dump or sanitary landfill fire (152)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
	9	1.08%	\$500.00	\$1,500.00	\$2,000.00	28.58%
3 Rescue & Emergency Medical Service Incident						
EMS call, excluding vehicle accident with injury (321)	635	76.32%	\$0.00	\$0.00	\$0.00	0.00%
Motor vehicle accident with injuries (322)	13	1.56%	\$5,000.00	\$0.00	\$5,000.00	71.43%
Motor vehicle accident with no injuries. (324)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
	649	78.00%	\$5,000.00	\$0.00	\$5,000.00	71.43%
4 Hazardous Condition (No Fire)						
Combustible/flammable gas/liquid condition, other (410)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Gasoline or other flammable liquid spill (411)	2	0.24%	\$0.00	\$0.00	\$0.00	0.00%
Gas leak (natural gas or LPG) (412)	7	0.84%	\$0.00	\$0.00	\$0.00	0.00%
Carbon monoxide incident (424)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Electrical wiring/equipment problem, other (440)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Heat from short circuit (wiring), defective/worn (441)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Power line down (444)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Arcing, shorted electrical equipment (445)	2	0.24%	\$0.00	\$0.00	\$0.00	0.00%
	16	1.92%	\$0.00	\$0.00	\$0.00	0.00%
5 Service Call						
Person in distress, other (510)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Lock-out (511)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Water problem, other (520)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Water or steam leak (522)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Smoke or odor removal (531)	2	0.24%	\$0.00	\$0.00	\$0.00	0.00%
Animal rescue (542)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Public service assistance, other (550)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Assist police or other governmental agency (551)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Public service (553)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Assist invalid (554)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Unauthorized burning (561)	2	0.24%	\$0.00	\$0.00	\$0.00	0.00%
Cover assignment, standby, moveup (571)	25	3.00%	\$0.00	\$0.00	\$0.00	0.00%
	38	4.56%	\$0.00	\$0.00	\$0.00	0.00%
6 Good Intent Call						
Good intent call, other (600)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Dispatched and cancelled en route (611)	85	10.22%	\$0.00	\$0.00	\$0.00	0.00%
	86	10.34%	\$0.00	\$0.00	\$0.00	0.00%
7 False Alarm & False Call						
False alarm or false call, other (700)	2	0.24%	\$0.00	\$0.00	\$0.00	0.00%
Smoke detector activation due to malfunction (733)	2	0.24%	\$0.00	\$0.00	\$0.00	0.00%
Alarm system sounded due to malfunction (735)	9	1.08%	\$0.00	\$0.00	\$0.00	0.00%
Sprinkler activation, no fire - unintentional (741)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Smoke detector activation, no fire - unintentional (743)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%
Alarm system activation, no fire - unintentional (745)	18	2.16%	\$0.00	\$0.00	\$0.00	0.00%
Carbon monoxide detector activation, no CO (746)	1	0.12%	\$0.00	\$0.00	\$0.00	0.00%

	34	4.08%	\$0.00	\$0.00	\$0.00	0.00%
Total Incident Count:	832			Total Est. Loss:	\$7,000.00	

Search Criteria	
Dates	From 01/01/2018 To 12/31/2018 (mm/dd/yyyy)
Service	THIENSVILLE FIRE DEPT
Staff	All
Apparatus	All
Station	All
Alarm Type	All
Zone/District	All

 **Report Description**

Fire Ground Training Update:

The department continued its' commitment to basic firefighting skills including hose deployments, search and rescue and ladders. We built on that foundation of skills and introduced advanced skills which included vehicle extrication, application and deployment of rescue airbags and firefighter rescue through rapid intervention training.

Members were also offered training opportunities with other departments. Grafton Fire Department trained on large building hose layouts. Cedarburg hosted a wildland fire evolution and forcible entry skills with the Brew City F.O.O.L.S., an organization of local department members who train others in their free time.

We also conducted training based on incidents with mutual aid and MABAS (Mutual Aid Box Alarm System) incidents which the department has responded to. Call debriefing is a very valuable tool for not only the members who were on the call to review, but also for the rest of the department to provide input and learn from previous experiences.

When 563 returned from refurbishment, members' significant focus was given to training staff on the location of equipment. The department's heavy equipment operators began training on driving and pumping techniques including drafting, supplying other apparatus, hose deployments for structural and vehicle fire suppression situations.

As countless studies prove that exposure to modern products of combustion during firefighting increases firefighter risks of cancer, the department has responded by purchasing new equipment and developing new standard operating guidelines for gross firefighter decontamination. This equipment is used after a firefighter is exposed to the products of combustion prior to returning in an apparatus.

Flight For Life Training



Search and Rescue Practice



EMS:

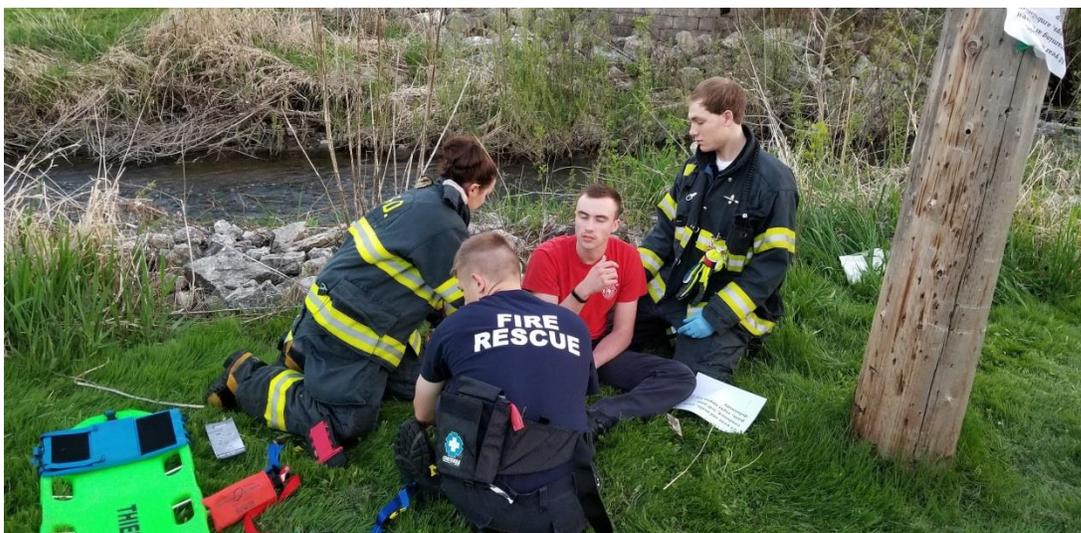
As we reflect on 2018 with regards to our Emergency Medical Services, we continue to remain progressive with our services and equipment. However, our staffing continues to be a challenge.

During the year we purchased two video laryngoscopes. These are placed on our two most used vehicles, our frontline ambulance and the paramedic intercept vehicle. With the addition of the video laryngoscopes, we are able to better manage patients who have difficult airways, and establish an airway much faster than with a traditional laryngoscope.

We also were able to obtain approval from the Thiensville Fire Department Corporation to purchase a new paramedic intercept vehicle. We purchased a 2019 Chevrolet Tahoe, which will go into service in early 2019.

Our Medical Direction from Aurora Medical Center in Grafton continues to provide us with progressive protocols, as well as excellent training opportunities. Furthermore, our call volume for emergency medical calls has continued to increase from the prior year. We are responding to more calls than we previously have, but with fewer total staff. The addition of Deputy Chief Deutsch full time, has helped the Department tremendously, but we still have staffing concerns to address. This increase in call volume continues to put a strain on the core responders.

EMS Practice



Fire Prevention:

Our fire inspection bureau continues to grow and adapt with the state requirements. Fire Inspector Christopher Wunsch continues to assist with fire inspections under the direction of Deputy Chief Joel Deutsch. We were pleased to meet the goals we set in 2018 which were to work closely with business and property owners. 378 inspections were completed by staff in 2018! Our goal for 2019 is to update some of our ordinances and to have additional lockboxes installed on buildings to provide faster access to structures without causing property damage. We also hope to continue pre-planning activities on higher risk structures.

Fleet Update:

As was mentioned last year, the Department had purchased a pre-owned 2000 rescue-pumper from Slinger Fire Department to replace the 32 year old Seagrave pumper. The purchase price was \$160,000 before refurbishing but Slinger replaced a similarly equipped new engine for \$680,000! The pre-owned vehicle arrived in December of 2018 but was sent out for refurbishing and was completed in spring of 2018.



Dive/Rescue Vehicle 553 & 13-foot Boston Whaler

Holds equipment and supplies for eight divers. Allows for rapid, deep, and ice water rescue operations. Boston Whaler provides peripheral assistance for water rescue operations and safety monitoring of local waterways



Pumper/Tanker 562 - 1997 Pierce Quantum Pumper/Tanker

Features 2,000 gallons per minute pump; 2,500 gallon internal water tank; 40 gallons of Class A foam; equipped for seven firefighters and basic life support EMS supplies.



Intercept Vehicle 555- 2010 Tahoe

Equipped with state-of-the-art Paramedic and RN-level supplies. Used for paramedic intercepts and back-up Command vehicle. This unit will be replacing the van's function in 2019. A new Tahoe was purchased by the TFD Inc. to function as the primary paramedic intercept vehicle.



Ambulances 551 & 552 - 2005 GMC C4500 Med Tec
Fully-equipped for BLS, ALS and Paramedic service



Utility Vehicle 556 - 2000 F-350 Ford Van

Used for on-scene command functions, inspections, and training transportation. It will be sold as surplus in 2019.



Kubota 550 - RV9000 All-terrain Vehicle

4x4 custom-designed vehicle for delivery of EMS and rescue services in all environments, and for large crowd events when ambulance access is difficult or prohibited. Fully-equipped with BLS, ALS and Paramedic/RN supplies.



**Quint 561 - 2007 Pierce
105 foot pre-piped
Aerial Ladder**

1,250 gallons per minute monitor, 2,000 gallons per minute pump; 500 gallon internal water tank; Class A foam tank; compressed air foam system pump; 15,000 watt hydraulic generator; ISG thermal imaging cameras; MSA 4-gas detector; equipped for eight firefighters and basic life support EMS supplies.



**Engine 563 - 2000
PierceRescue Pumper**

1,500 gallons per minute pumper from a 750 gallon tank and is our supply engine for rural operations.



**Ford Expedition -
2015**

Equipped with state-of-the-art incident command cabinetry complete with radio systems that allows communication with different mutual aid radios. 554 also has basic life support.



1935 Seagrave Pumper

This restored pumper is used for public relations activities and ceremonial duties. The Seagrave is on public display at the TFD Fire Museum.

Community Outreach Update:

TFD continued its unwavering commitment to community outreach by offering many community outreach opportunities to interact with our constituents. We have listed the activities for 2018 below along with the estimated people reached:

Thiensville Fire Department				
2018 Summary of Community Outreach Programs				
DATE	TIME	EVENT	# OF CHILDREN	# OF ADULTS
THU. 3/15/18	8:30 - 9:30AM	FIRE TRUCK RIDE to MEQUON PRESCHOOL (DC DEUTSCH & BEN BECK)	2	2
SAT. 4/21/18	12:30 - 3:30PM	ENGINE VISIT to RITE HITE YMCA - YOUTH FIRE AWARENESS PROGRAM (LT J.GENGLER & AMANDA SZATKOWSKI)	250	20
SAT. 4/28/18	9:45AM - 2:45PM	DRUG TAKE-BACK & SHREDDING EVENT (CHIEF REIELS)	2	2
SAT. 5/12/18	11:00AM - 2:30PM	TFD BIRTHDAY PARTY / TOUR / TALK (RANDY SHORT)	20	12
SUN. 5/13/18	10:00AM - 1:00PM	TFD BIRTHDAY PARTY / TOUR / TALK (RANDY SHORT)	6	6
FRI. 5/18/18	1:00 - 4:00PM	TOUCH-A-TRUCK (Q561 & AMB): FIRE SAFETY, EMERGENCY EDUCATION & JOBS AS FFS & EMTS (DC DEUTSCH, BEN BECK, JEFF TRUDELL)	400	25
MON. 5/28/18	9:00 - 11:00AM	T-M MEMORIAL DAY PARADE	500	750
SAT. 6/16/18	12:15 - 3:30PM	TFD "END OF SCHOOL YEAR" BIRTHDAY PARTY (RANDY SHORT)	17	5
TUE. 6/19/18	9:00 - 10:30AM	TFD STATION TOUR / TALK (RANDY SHORT)	10	6
SAT. 6/30/18	9:30 - 12:30PM	M-T FAMILY FUN B4 THE 4TH: PARADE	2000	2000
SAT. 6/30/18	6:00 - 10:30PM	M-T FAMILY FUN B4 THE 4TH: FIREWORKS STAND-BY	1500	1500
WED. 7/04/18	12:30 - 2:00PM	FREISTADT FOURTH OF JULY PARADE (ENGINE 563)	125	125
THU. 7/26/18	8:00AM - 12:00PM	FIRE SAFETY PROGRAM at STEFFEN MIDDLE SCHOOL (RANDY SHORT & EMBER THE DOG)	70	4
FRI. 7/27/18	8:00 - 10:00AM	TFD STATION TOUR / TALK (RANDY SHORT)	70	4
THU. 8/16/18	10:30 - 12:00PM	TFD STATION TOUR / TALK (DC DEUTSCH, JACK CLARK, CHRIS WUNSCH)	18	8
SAT. 9/15/18	8:30AM - 3:00PM	TFD PUBLIC SAFETY DAY	750	250

FRI. 9/28/18	11:00AM - 12:00PM	TFD STATION TOUR (DC DEUTSCH)	30	7
FRI. 9/28/18	12:30 - 12:50PM	TFD STATION TOUR WALK-IN (MARGIE CANHAM)	1	1
MON. 10/01/18	1:45 - 2:45PM	TFD STATION TOUR (DC DEUTSCH)	15	5
WED. 10/10/18	9:30 - 10:30AM	ENGINE VISIT to MEQUON PRESCHOOL at ST.BONIFACE CHURCH for FIRE PREVENTION MONTH (DC DEUTSCH, BEN BECK)	32	10
THU. 10/11/18	9:30 - 10:30AM	ENGINE VISIT to MEQUON PRESCHOOL at ST.BONIFACE CHURCH for FIRE PREVENTION MONTH (DC DEUTSCH, NICK GARDNER)	32	10
THU. 10/11/18	9:30 - 11:30AM	TFD STATION TOUR / TALK FOR FIRE PREVENTION MONTH (RANDY SHORT, CHRIS WUNSCH)	11	6
MON. 10/15/18	9:45 - 11:00AM	TFD QUINT VISIT TO CROSS ROADS PRESCHOOL at CHURCH (DC DEUTSCH, RANDY SHORT & EMBER THE DOG)	27	6
THU. 10/25/18	4:00 - 7:00PM	TBA TRICK-OR-TREAT at OLD FIRE STATION MUSEUM (CHIEF REIELS, STEVEN OLIG)	250	200
SUN. 10/28/18	2:30 - 6:35PM	TRUCK-OR-TREAT FOOD DRIVE AND CANDY DISTRIBUTION	1500	1000
THU. 11/22/18	8:15 - 10:45AM	PROVIDE EMS COVERAGE & ASSISTED W/ TRAFFIC CONTROL at ANNUAL TURKEY TROT	100	1300
FRI. 12/7/18	5:00 - 8:00PM	TBA ANNUAL TREE LIGHTING & SANTA BUSINESS TOUR FOLLOWING TREE LIGHTING	250	300
THU. 12/13/18	6:30 - 7:40PM	TFD STATION TOUR / TALK (DC DEUTSCH)	19	9
		SUBTOTALS:	8,007	7,573
2018	-	Total People Reached:	-	15,580

Community Outreach

Parades



Car Seat Inspections



Public Education



Truck-or-Treat So Others Can Eat

