

South Haven Area Emergency Services Authority



2017 Annual Report

On behalf of all the men and women of the South Haven Area Emergency Services (SHAES), it is my pleasure to submit our 2017 Annual Report. Our department is filled with dedicated women and men who are committed to enhancing community safety and quality of life in the South Haven area.

This report cannot possibly capture all of their individual efforts, but does represent an overview of their collective accomplishments. Our purpose is to minimize pain and suffering in our community and we achieve this goal through a range of high quality professional services such as fire suppression, fire prevention, advanced life support transport service, confined space rescue, dive rescue, ice rescue and fire inspection programs.

During the past year, our department achieved the following:

- 2017 call volume was third highest in the history of SHAES: 2,169 calls for service.
 - SHAES replaced a 30-year old 50-foot ladder truck with a new Spencer Manufacturing 75-foot ladder truck for \$800,000.
 - SHAES purchased 73 new MSA self-contained breathing apparatus in partnership with Bangor Community Fire Department through AFG Grant that covered 80% of the cost.
 - Remodeling of Station 2 bathroom to provide for more privacy for staff and guest.
 - Remodeling Station 2 to provide for larger workout room for staff.
 - SHAES purchased through donations a Phantom 4 Drone for search and rescue operations.
 - SHAES added new assistant fire inspector position to assist with preplans and inspections.
 - SHAES replaced 25-year-old breathing air compressor and cascade bottles thru donations and cost recovery fees.
 - Albemarle donated \$10,000 to SHAES that helped purchase a new laptop computer, Rescue Randy training mannequin and cardiac monitor for EMS training.
 - SHAES purchased Road Rescue 4-wheel drive ambulance, increasing the ambulance fleet to 4 units.
 - SHAES received 7 mobile and 10 portable 800mhz radios from the Allegan County radio project with approximate value of \$50,000.
- * Special thanks to SHAES department photographer Tom Renner for the wonderful pictures in this report.

We are proud to be your fire department and look forward to hearing from you. If you have ideas about how we can serve you better, or if you have thoughts about how we can make this report more informative, please contact me at (269) 639-1496.

Ronald Wise, Executive Director

rwise@shaes.org www.shaes.org

2017 Authority Board Members

Chairman:	Ross Stein	South Haven Township
Vice-Chairman:	Allan Overhiser	Casco Township
Secretary Treasurer:	Nancy Whaley	Geneva Township
Administrator:	Brian Dissette	City of South Haven
Member:	Bob Burr	City of South Haven

Meeting Dates 2018

Wednesday	January 10	8AM
Wednesday	February 7	8AM
Wednesday	March 7	8AM
Wednesday	April 11	8AM
Wednesday	May 2	7PM
Wednesday	June 6	7PM
Wednesday	July 11	7PM
Wednesday	August 1	7PM
Wednesday	September 5	7PM
Wednesday	October 3	7PM
Wednesday	November 7	8AM
Wednesday	December 12	8AM

Meeting Place: SHAES Station #3, 90 Blue Star Hwy, South Haven

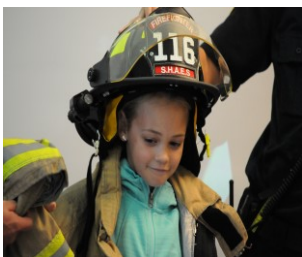
SHAES Public Education 2017

SHAES staff visited the community this year through many different events in the South Haven community. Starting right off in January SHAES visited the Casco United Methodist Church annual wellness fair, showcasing some of our lifesaving equipment and services to local seniors. Other events included visiting Camp Agudah in Geneva Township to talk with students about fire safety and demonstrate one of our fire trucks to them.

SHAES staff also utilized the fire extinguisher simulator to train local community members on the proper use of a fire extinguisher. This simulator is proven to be a valuable tool through the last five years since it was donated by Albemarle corporation. Yearly training is provided to Albemarle staff along with the SHAES Citizen's Fire Academy.

SHAES was once again invited back to Warner camp for South Haven 6th grade camp. Students at Warner camp participate in fire safety education with firefighters reinforcing the importance of having a practiced escape plan. Students are then taught about fire extinguisher use and provided hands on practical simulation with live fire simulator.

Fire Prevention month also kept the members of SHAES busy. The slogan this year was **"Every Second Counts: Plan 2 Ways out!"** With this message came the reminder of having your family sit down and draw a fire escape plan. Then this plan needs to be practiced so it can be done proficiently under the worst imaginable circumstances. Through October we visited seven schools and nursery schools. We talked with student ranging in age from the smallest nursery school child to fifth grade. Firefighters start out by talking to the kids in their classrooms. In the rooms students are taught about fire safety. This includes not to misuse matches and lighters and practicing the Stop, Drop, Roll, and an Escape plan. Following this students at Lincoln and Maple Grove were able to enjoy our bounce house that is fun yet educational. Students at North Shore were shown an exhilarating Tower demonstration using TL-1. With the conclusion of our presentation students received Halloween bags with an activity book and either crayons or pencils according to age. A highlight of Fire Prevention Week was our annual Fire Safety Fun Fair. Another successful year bringing nearly 500 children and adults to the firehouse. Attendees were able to play fire-related games and watch presentations put on by firefighters. All of this was made possible by the donations from local businesses. Finishing off October, we presented a physical activity program to students at Baseline school. This fire agility-oriented program was set up in the ball field for students to run through teaching teamwork and physical fitness. We finished off the year by talking to seniors at River Ridge Retirement home about fire safety and fall prevention. In total 86 firefighters spent 325 hours at 14 different locations. 1,846 people participated in SHAES fire safety education events. twenty-Two local businesses donated \$3,065 which helped provide fire safety education materials to all events during the year. Donations also help provided food for Fire Safety Fun Fair participants.



2017 SHAES Recognitions

Swearing in of Paid On Call Fire Fighters: Roseanna Fox, William Snider, Brian Horan Jr.

SHAES Firefighter of Year Award: David Griessel

SHAES Leadership Award: Steven Jones

Doggie Life Saving Awards: James Lindemulder, Johanna Quinn, Owen Ridley

Years of Service Pins:

30 Years: Tony Marsala, Steven Jones

25 Years: Owen Ridley, James A. Quinn

15 Years: James D. Quinn

5 Years: Eric Russell

Citation Bars:

Fire Officer 2: David Griessel, Cody Sedlak

Firefighter 2: Roseanna Fox, William Snider, Brian Horan Jr.

Haz-Mat Operations Roseanna Fox, William Snider, Brian Horan Jr.

Veteran: William Snider

Fire Instructor: Paul Quinn

Fire Investigator: Keith Bierhalter

Medical First Responder: Cesar Garcia, Brian Horan Jr., Roseanna Fox

Emergency Medical Technician: William Snider

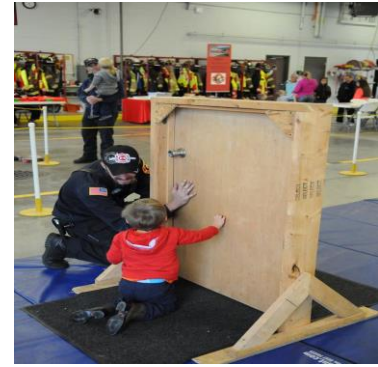
Fire Fighters Finishing Up Training:

Fire Fighter 1 & 2: Isaac Tate, Daniel Delia, Brandon Plassaster, Thomas Kuhn

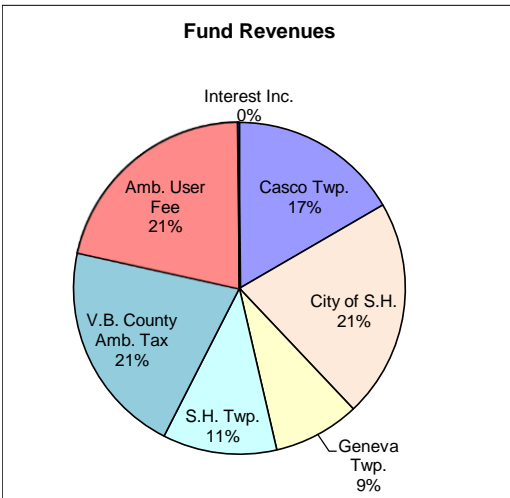
2017 BUDGET INFORMATION REVENUES

Funding Sources:

	Amount	Budget Percentage
Casco Township	\$440,043.00	16.63%
City of South Haven	\$564,461.00	21.33%
Geneva Township	\$222,929.00	8.42%
South Haven Township	\$294,685.00	11.13%
Van Buren County Ambulance	\$554,596.00	20.95%
Ambulance User Fees	\$565,000.00	21.35%
Interest Income	\$5,000.00	0.19%
TOTAL	\$2,646,714.00	100.00%



Fire Safety Fun Fair



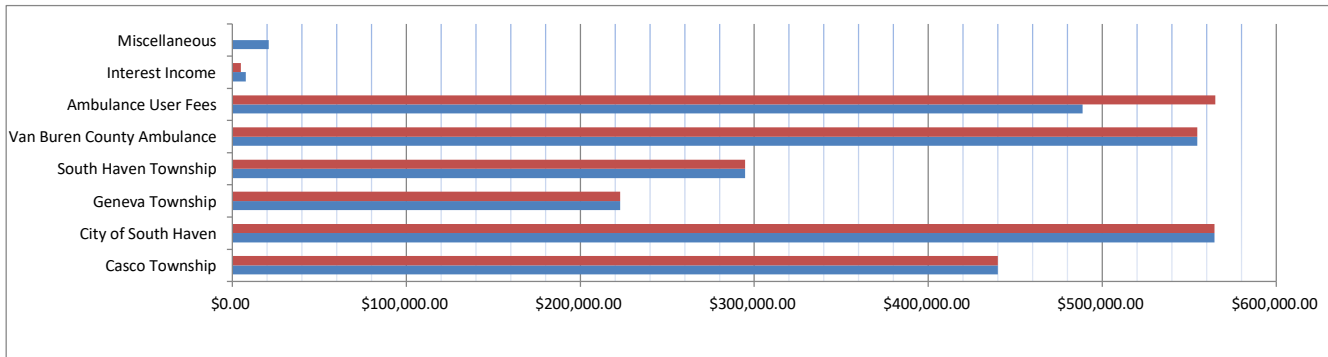
BUDGET INFORMATION Actual "vs" Budget Revenue for 2017

Funding Sources:

	Actual Revenue	Budgeted Amount
Casco Township	\$440,043.00	\$440,043.00
City of South Haven	\$564,461.00	\$564,461.00
Geneva Township	\$222,929.00	\$222,929.00
South Haven Township	\$294,685.00	\$294,685.00
Van Buren County Ambulance	\$554,596.00	\$554,596.00
Ambulance User Fees	\$488,652.65	\$565,000.00
Interest Income	\$7,840.37	\$5,000.00
Miscellaneous	\$21,027.36	\$0.00
TOTAL	\$2,594,234.38	\$2,646,714.00



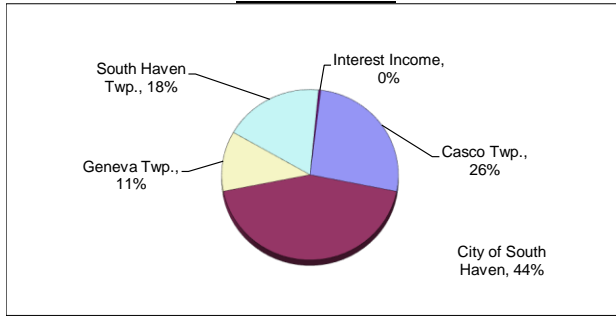
Fire Prevention Week



2017 FIRE & AMBULANCE REVENUE BUDGET

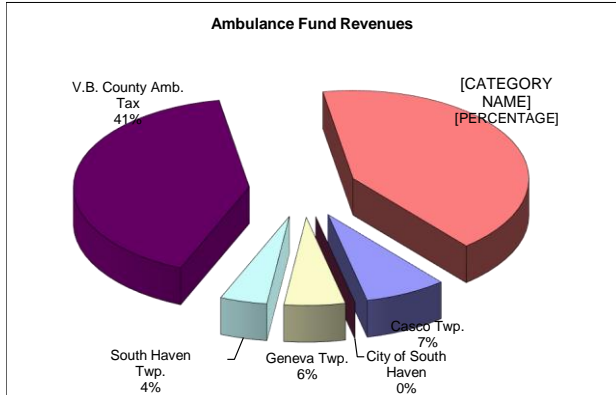
Fire Funding Sources:	Amount	Budget Percentage
Casco Township	\$337,838.00	26.19%
City of South Haven	\$564,461.00	43.76%
Geneva Township	\$146,720.00	11.37%
South Haven Township	\$235,921.00	18.29%
Interest Income	\$5,000.00	0.39%
TOTAL	\$1,289,940.00	100.00%

Fire Fund Revenue



Ambulance Funding Sources:	Amount	Budget Percentage
Casco Township	\$102,205.00	7.53%
City of South Haven	\$0.00	0.00%
Geneva Township	\$76,209.00	5.62%
South Haven Township	\$58,764.00	4.33%
Van Buren County Ambulance Tax	\$554,596.00	40.88%
Ambulance User Fees	\$565,000.00	41.64%
TOTAL	\$1,356,774.00	100.00%

Ambulance Fund Revenues



Community Involvement



Working Together as a Team



Working in Very Dangerous Environments



Assisting Covert Fire with Structure Fire



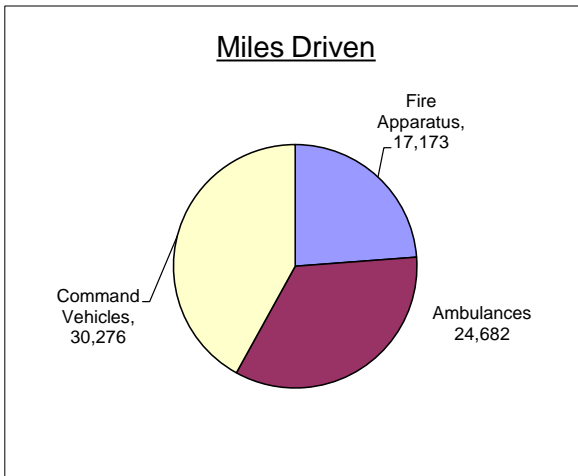
Structure Fire Geneva Twp

2017 - Apparatus Miles Driven

	Miles	Percentage	Percentage
Fire Trucks:			
Old Engine 1	0	1.33%	
New Engine 1	1,212	6.03%	
Engine 2	1,538	7.70%	
Engine 3	1,989	11.46%	
Tower 1	259	1.41%	
Old Ladder 1	1,128	6.16%	
New Ladder 1	367	2.00%	
Rescue 1	996	5.44%	
Truck 3	4,755	25.96%	
Truck 4	554	3.02%	
Truck 5	3,477	18.98%	
Tanker 6	537	2.93%	
Tanker 7	622	3.40%	
Tanker 8	886	4.84%	
Total	18,320	100.65%	24.33%
Ambulances:			
Squad 1	14,387	57.76%	
Squad 2	8,992	39.97%	
Squad 3	773	2.27%	
Total	24,152	100.00%	32.07%
Command Vehicles:			
Command 1	13,474	41.17%	
Command 2	8,903	28.49%	
Dodge Van	10,463	31.86%	
Total	32,840	101.52%	43.60%
Grand Total	75,312		100.00%

2017 Miles Driven

	Miles	Percentage
Fire Apparatus	18,320	24.33%
Ambulances	24,152	32.07%
Command Vehicles	32,840	43.60%
Total Miles Driven	75,312	100.00%



Assisting Ganges Fire with Structure Fire



6th Grade Camp Fire Safety Education



Limo Bus Fire in Geneva Twp



SHAES New Firefighters Sworn-in

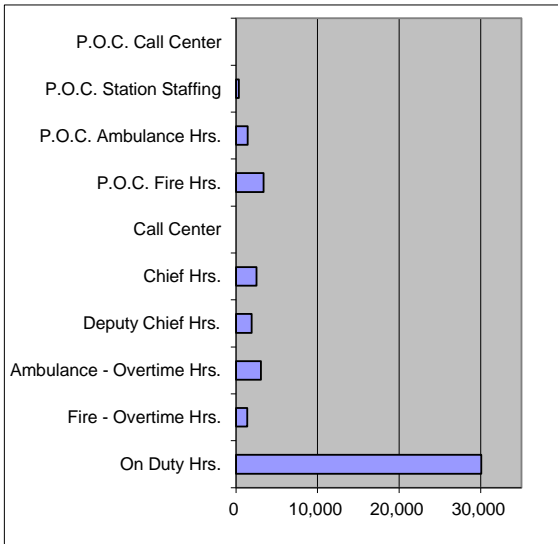


**Dangerous Conditions along with Dangerous Actions
Personnel Hours - 2017**



Working with Sheriff Dept Dive Team

Description:	Payroll		Three Yrs.		Description:	Payroll	
	Hours	Percentage	Average Hours	Percentage		Hours	
On Duty Hrs.	30,079	68.32%	27,985	59.34%	On Duty Hrs.	30,079	
Fire - Overtime Hrs.	1,346	3.06%	1,147	2.43%	Fire - Overtime Hrs.	1,346	
Ambulance - Overtime Hrs.	3,023	6.87%	3,164	6.71%	Ambulance - Overtime Hrs.	3,023	
Deputy Chief Hrs.	1,926	4.38%	1,969	4.18%	Deputy Chief Hrs.	1,926	
Chief Hrs.	2,525	5.74%	2,459	5.21%	Chief Hrs.	2,525	
Call Center	0	0.00%	1,545	3.28%	Call Center	0	
P.O.C. Fire Hrs.	3,393	7.71%	3,163	6.71%	P.O.C. Fire Hrs.	3,393	
P.O.C. Ambulance Hrs.	1,402	3.19%	1,091	2.31%	P.O.C. Ambulance Hrs.	1,402	
P.O.C. Station Staffing	330	0.75%	1,141	2.42%	P.O.C. Station Staffing	330	
P.O.C. Call Center	0	0.00%	3,497	7.42%	P.O.C. Call Center	0	
Total Hours for the Year	44,024	100.00%	47,161	100.00%	Total Hours for the Year	44,024	



Citizen Fire Academy



Rollover Accident South Haven Twp.



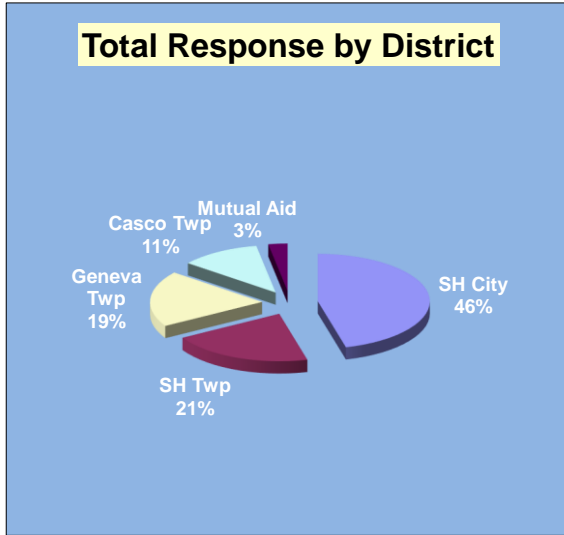
SHAES Fire Boat



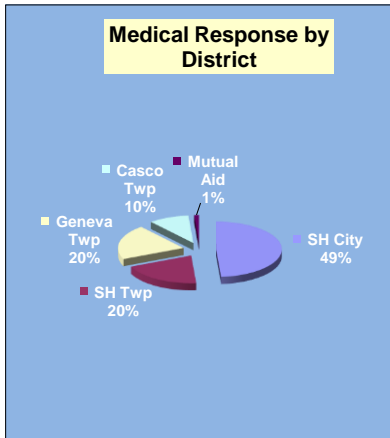
SHAES Firefighter Memorial

2017 Fire & Medical Responses

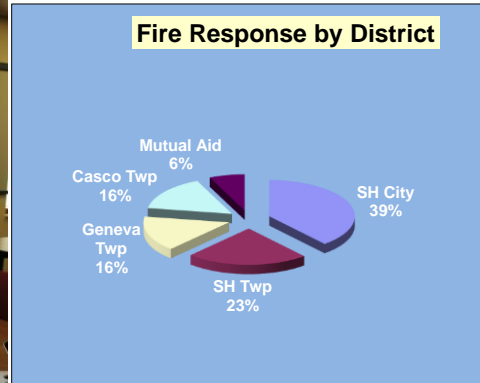
Total Calls by City & Township			
	Total	Amb	Fire
SH City	997	760	237
SH Twp	447	306	141
Geneva Twp	414	318	96
Casco Twp	251	155	96
Mutual Aid	60	19	41
Total	2,169	1,558	611



Structure Fire South Haven Township

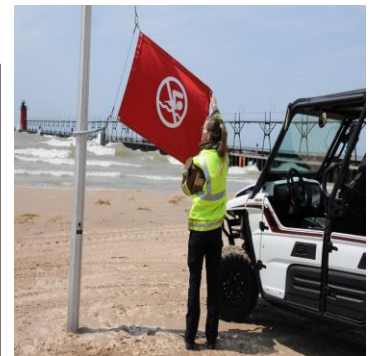
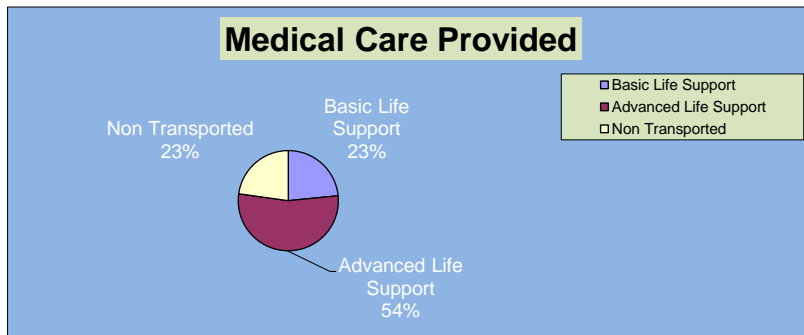


SHAES Drone



Medical Care Provided

Basic Life Support	365
Advanced Life Support	838
Non Transported	355
Total	1,558



SHAES Beach Flag Summer Intern



CPR Demonstration to South Haven Rotary



Healthy Kids Event at Maple Grove School



US Coast Gurad assisting with Possible Drowning

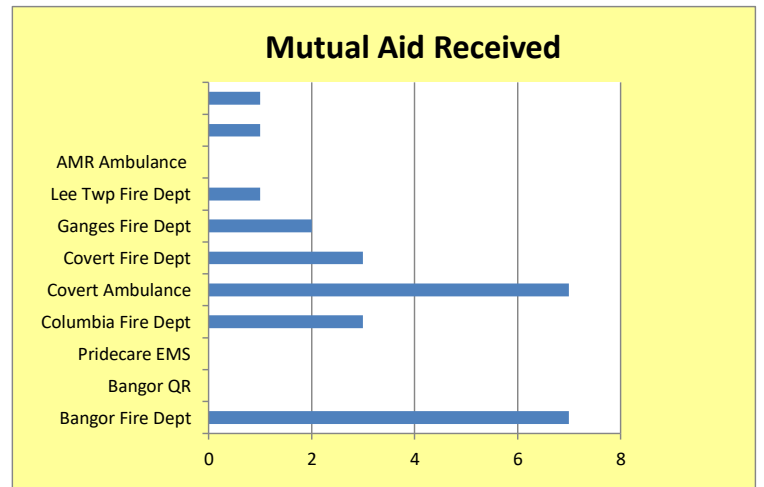
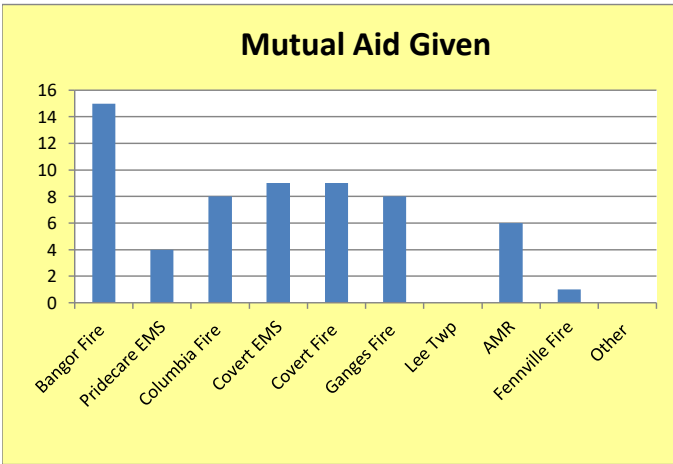


Chicken Coop fire in Covert Township

2017 Mutual Aid Given and Received

Given	
Bangor Fire	15
Pridecare EMS	4
Columbia Fire	8
Covert EMS	9
Covert Fire	9
Ganges Fire	8
Lee Twp	0
AMR	6
Fennville Fire	1
Other	0

Received	
Bangor Fire Dept	7
Bangor QR	0
Pridecare EMS	0
Columbia Fire Dept	3
Covert Ambulance	7
Covert Fire Dept	3
Ganges Fire Dept	2
Lee Twp Fire Dept	1
AMR Ambulance	0
Hartford Fire	1
Watervliet Fire	1



SHAES Assisting Fennville Fire with Roof Operations



SHAES Assisting Bangor Fire with Ice Rescue

2017 Estimated Structure Fire Loss

	Property Value:	Property Loss:	Property Saved:	Percent Lost:	Percent Saved:
South Haven City	\$607,000	\$166,000	\$441,000	28%	72%
South Haven Twp	\$260,000	\$65,000	\$195,000	25%	75%
Geneva Township	\$170,500	\$20,500	\$150,000	12%	88%
Casco Township	\$533,000	\$65,000	\$468,000	13%	87%
Total:	\$1,570,500	\$316,500	\$1,254,000	20%	80%

Fire Sprinklers in homes and businesses can save property

Fire loss can be minimized by immediately identifying that an emergency exists, Calling 9-1-1 and a rapid response by emergency personnel.

Fire Incident Type	SH City	SH Twp	Geneva Twp	Casco Twp
Structure Fires	10	4	3	7
Vehicle Fires	4	7	4	4
Vegetation Fires	4	8	7	3
Hazardous Materials	47	13	26	22
Service Calls	79	33	23	12
Fire Alarms	56	36	6	16
Vehicle Accidents	17	21	10	10
Other	20	19	17	22
Total Fire Calls	237	141	96	96

2017

	Injuries	Deaths
Civillian	0	0
Firefighter (in Station)	0	0
Firefighter (Training)	1	0
Firefighter (Emergency Scene)	0	0
Total:	1	0

EMS Incident Type	SH City	SH Twp	Geneva Twp	Casco Twp	Total:
Abdominal Pain	20	15	9	5	49
Altered Level of Consciousness	31	7	8	3	49
Asthma	2	1	1	1	5
Psychiatric	21	15	18	2	56
Cardiac Arrest	12	2	6	3	23
Chest Pains	35	7	17	5	64
Diabetic	11	11	7	1	30
Emphysema/COPD	0	3	0	1	4
General Illness	55	16	22	5	98
Obvious Death	6	4	5	2	17
Positioning/ Overdose	5	4	3	1	13
Seizure	24	8	6	5	43
Stroke/CVA	15	1	6	5	27
Fainting	25	15	4	5	49
Trauma	121	72	48	35	276
Respiratory Distress	42	8	12	5	67
Pregnancy	2	5	3	0	10
Other	333	112	143	71	659
Total:	760	306	318	155	1539



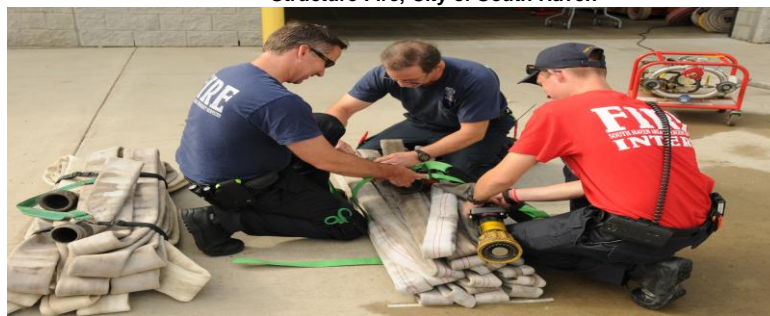
Annual Veteran Salute



Structure Fire, City of South Haven



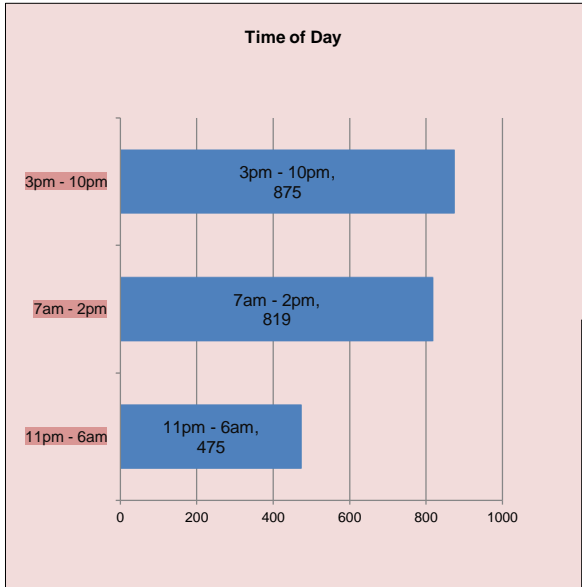
Ice Rescue Training



SHAES Yearly Hose Testing

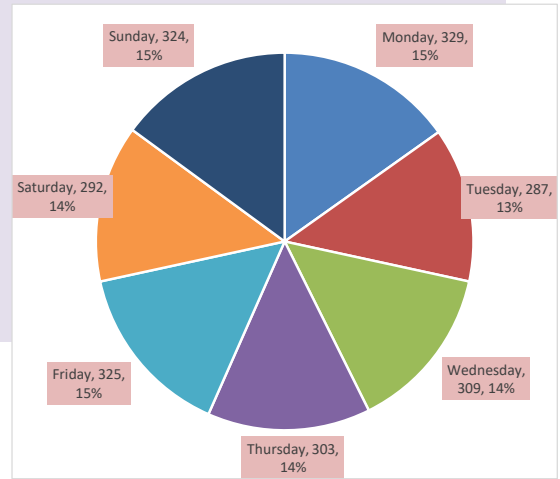
2017 Time of Day for Alarm

11pm - 6am	475
7am - 2pm	819
<u>3pm - 10pm</u>	<u>875</u>
Total	2,169

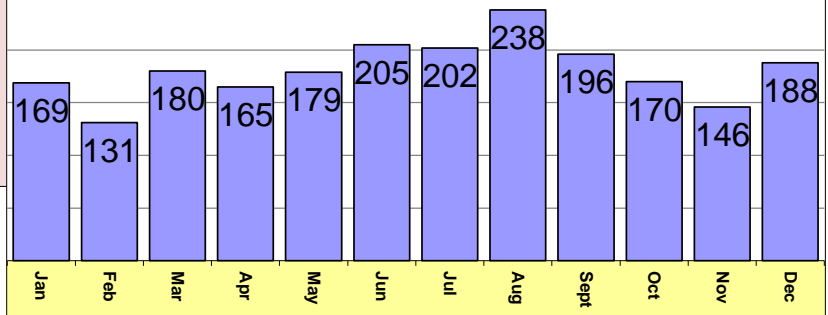


Day of the Week

Monday	329
Tuesday	287
Wednesday	309
Thursday	303
Friday	325
Saturday	292
<u>Sunday</u>	<u>324</u>
Total	2,169



2017 Monthly Calls



Auto Extrication- CR-388



Old Engine 1 Donated to VanBuren Skill Center Fire Program

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
2017	169	131	180	165	179	205	202	238	196	170	146	188	2169
2016	151	190	195	197	227	225	243	212	153	138	183	162	2276
2015	171	157	159	166	202	216	239	241	167	166	148	151	2183
2014	180	138	163	160	182	177	228	206	210	190	189	190	2213
2013	166	142	153	145	167	217	214	201	165	184	146	131	2,031
2012	134	121	167	142	146	156	220	168	153	145	152	164	1,868
2011	127	129	131	122	113	143	196	166	162	124	121	113	1,647
2010	138	134	123	116	158	150	187	180	135	137	140	133	1,738
2009	137	109	152	122	114	153	143	180	157	147	155	151	1,720
2008	147	145	143	143	128	141	172	168	144	141	122	159	1,753
2007	117	99	136	114	145	160	184	206	134	126	114	146	1,681
2006	98	132	115	136	162	139	194	161	143	138	108	111	1,638
2005	112	119	128	151	147	145	166	174	140	123	138	141	1,673
2004	146	109	124	147	134	126	167	143	135	105	132	130	1,598
2003	110	138	125	127	146	135	170	182	124	138	115	128	1,639
2002	121	102	143	141	157	169	222	206	154	152	122	124	1,811
2001	132	99	111	140	147	158	165	144	110	139	129	130	1,602

Response Times

Average Response Times for All Types of Calls (Emergency and Non-Emergency)

2017	Fire	Medical	Total
South Haven City	4 Minutes	5 Minutes	5 Minutes
South Haven Twp	5 Minutes	6 Minutes	6 Minutes
Geneva Twp	7 Minutes	8 Minutes	8 Minutes
Casco Twp	7 Minutes	9 Minutes	8 Minutes
SHAES Authority	6 Minutes	7 Minutes	7 Minutes



Training on New MSA SCBA's

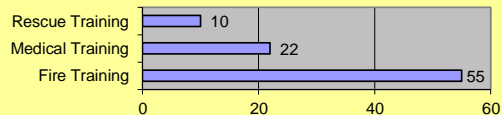
Average response times for specific types of incidents

	SH City	SH Twp	Geneva Twp	Casco Twp	SHAES Authority
Structure Fires	3 Minutes	6 Minutes	7 Minutes	7 Minutes	5 Minutes
Vehicle Fires	5 Minutes	5 Minutes	8 Minutes	10 Minutes	7 Minutes
Woods/Grass Fires	3 Minutes	6 Minutes	6 Minutes	6 Minutes	5 Minutes
Auto-Accident Rescues	4 Minutes	6 Minutes	7 Minutes	7 Minutes	6 Minutes
Emergency Medical Calls	5 Minutes	6 Minutes	8 Minutes	9 Minutes	7 Minutes
Motor-Vehicle Accidents	2 Minutes	5 Minutes	7 Minutes	7 Minutes	5 Minutes

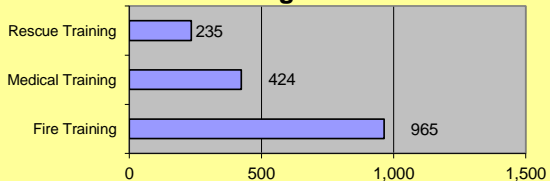
2017 Training

	Staff Hours	Classes
Fire Training	965	55
Medical Training	424	22
Rescue Training	235	10
Total	1,624	87

Number of Training Classes



Training Hours



SHAES rescuing dog from fire



Training to Keep Our Skills Sharp



SH Police, Van Buren Sheriff Dept & SHAES Working Together



Beach Safety Messages



Leadership Award- Steven Jones



Memorial Day Celebration- SHAES Honor Guard



Pet Oxygen Mask Program



Firefighter of the Year Award: Dave Griessel



Ladder 1 Working at Barn Fire in Casco Twp.



Working Special Events All Year Round



I Made CPR Count



Exercising with SHAES Firefighters



Water Rescue Training in Lake Michigan



Propane Fire Training



Water Supply and Fire Stream Training



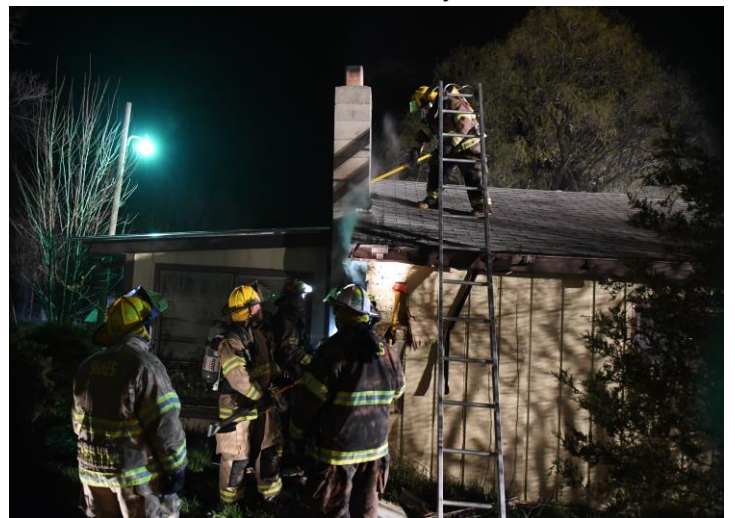
SHAES and Bangor Fire - 73 new MSA SCBA's Delivered



Incident Command Center for July Fireworks



Vo-Tec Fire Class Enjoying their New Gift



Structure Fire in Geneva Township