

South Haven Area Emergency Services Authority



2016 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 2016 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:

- 2016 call volume increased to the highest in the history of SHAES with 2,276 calls for service as compared to the previous record of 2,213 calls in 2014.
- SHAES ISO rating improved for Non-Hydrant Areas from a 7 to a 6. Hydrant area remained a rating of a 4. The ratings help with fire insurance cost for the community.
- Albemarle Corporation continues to support our department such as with recent \$5,000 and \$2,000 donations that will be directed towards a new Breathing Air compressor.
- SHAES accepted Spencer Manufacturing \$778,800 bid for new 75' foot Aerial Apparatus.
- SHAES Paid-On-Call staff completed first year of mandatory physical agility exam to operate on the fire ground.
- SHAES partnered with Bangor Community Fire Department and was awarded a \$400,853 grant through the Assistance to Firefighter Program for 73 SCBA'S.
- SHAES purchased 4 Ice rescue suits and a rope deployment gun for Ice/water rescue.
- SHAES partnered with American Red Cross to install free smoke detectors.
- SHAES partnered with Covert Township Fire Department to submit a \$20,580 grant request through the Assistance to Firefighter program for Active Violence ballistic vests and helmets for EMS personnel.
- SHAES staff continued to provide EMS and fire coverage for many special events throughout the year, including 4th of July fireworks, many 5k events and a salute to our veterans event.
- SHAES replaced our 1980 Ford 9000 Engine 2221 with a 2003 Pierce Pumper.

* 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

2016 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 2017

Wednesday	January 4	8AM
Wednesday	February 1	8AM
Wednesday	March 1	8AM
Wednesday	April 12	8AM
Wednesday	May 3	7PM
Wednesday	June 7	7PM
Wednesday	July 5	7PM
Wednesday	August 2	7PM
Wednesday	September 6	7PM
Wednesday	October 4	7PM
Wednesday	November 1	8AM
Wednesday	December 13	8AM

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

SHAES Public Education 2016

Continuing to show the community the best way to prevent fires is through education. SHAES staff visited many schools, assisted living facilities and businesses to provide this education during 2016. The slogan from NFPA for Fire Prevention Week was **Don't Wait Check The Date.** This is a reminder to check to see how old your smoke alarms are. Look at the manufacturers date on the back and replace every 10 years.

Fire Safety messages were presented at the Elementary and Nursery school level. Firefighters visited classrooms during Fire Prevention Week and through the month of October. Students talked one on one with Firefighters to show the importance of smoke detector and Stop, Drop, Cover, and Roll. Students learned about having an escape plan, and the importance of practicing this plan.

Fire Prevention Week was not without fun. Firefighters brought the fire safety bounce house to Lincoln and Maple Grove schools. After the presentations students were able to go to the gym and play in the fire safety bounce house. The bounce house has fire safety messages throughout its interior. Kids can play and learn at the same time.

Our Annual Fire Safety Fun Fair brought hundreds of adults and children to the fire station where children and adults could play fire safety oriented games and try the fire extinguisher simulator. They also enjoyed free food. SHAES firefighters put on programs for the attendees that consisted of a skit showing all aspects of an escape plan using the three levels of the burn building to simulate a home with multi-levels. SHAES firefighters also set up the aerial tower and performed a high angle rescue and then ended the night with multiple propane gas fire demonstrations.

Public education is provided by SHAES throughout the year. SHAES visited South Haven's two senior housing complexes to provide fire safety message to the residents. SHAES visited the Casco United Methodist Church Health Fair, provided fire extinguisher training at Albemarle Corporation, South Haven Steelheaders and South Haven school 6th grade camp. SHAES staff assisted South Haven city police with their annual End of School Days event at Elkenburg Park. SHAES staff provided presentations to Kiwanis and Rotary to give an understanding of how our fire prevention program works and what the donation funds are used for.

Our public education would not be what it is without the donations by local businesses. Donations from local businesses totaled \$2,600.00 along with Meijer which provided a gift card that helped with food for the Fire Safety Fun Night.

	<u>Total Personal hours</u>	<u>Attendees</u>
Fire Extinguisher Training	38	346
Events	24	404
Local Schools	111	1,251
Fun Fair- Prep, Set-up, Running, and tear down	<u>155</u>	<u>300</u>
Total	328	2,301

Respectfully Submitted: Paul Quinn- SHAES Fire Education Program Coordinator

2016 SHAES Recognitions

Retiree Proclamation: Vickii Nichols

Swearing in of Paid on Call Lieutenants:
Tim Quinn, Brian Horan

Swearing in of Paid on Call Fire Fighters:
Jonathan Vandenburg, Zachary Kenreich, Cody Sedlak, Evan Crisler

Life Saving Awards: Paul Quinn and Dawn Hinz

SHAES Leadership Award: Cesar Garcia

Years of Service Pins:

30 Years: John Hodge, Gerald Sajewski, Allan Overhiser

25 Years: Tom Renner

20 Years: Brad Filbrandt, Ross Stein

15 Years: Mark Kaput

10 Years: Caesar Garcia

5 Years: David Griessel, Tim Vanholt

Citation Bars:

EMT-Paramedic: Levi Warren, Zachary Kenreich, Andrew Biederman, Cody Sedlak,

Fire Inspector/Plan Examiner: Keith Bierhalter

Firefighter 2: Jonathan Vandenburg, Zachary Kenreich, Cody Sedlak, Evan Crisler

Haz-Mat Operations: Jonathan Vandenburg, Zachary Kenreich, Cody Sedlak, Evan Crisler

Honor Guard: Steve Cavadas

Veteran: Evan Crisler

Rescue Diver: Cesar Garcia, Steve Cavadas, Matt Russell

Confined Space Rescue: Steve Cavadas, David Griessel, Zachary Kenreich, Ronald Washegesic

Fire Fighters Finishing Up Training:

Fire Fighter 1 & 2: William Snider, Brian Horan, Roseanna Peterson

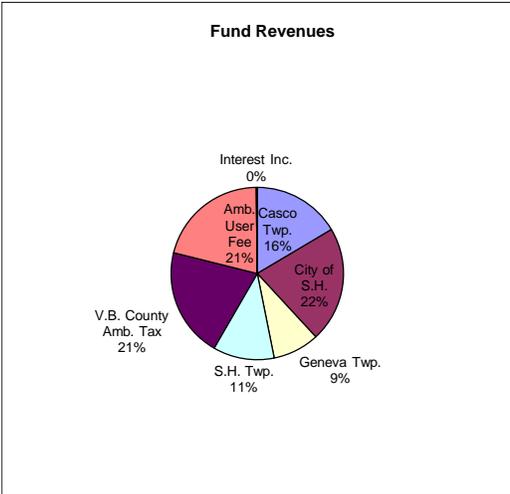
EMT Basic: Ronald Washegesic, Willie Wright

2016 BUDGET INFORMATION REVENUES

Funding Sources:	Amount	Budget Percentage
Casco Township	\$421,419.00	16.47%
City of South Haven	\$554,191.00	21.66%
Geneva Township	\$222,895.00	8.71%
South Haven Township	\$294,146.00	11.50%
Van Buren County Ambulance	\$525,611.00	20.55%
Ambulance User Fees	\$535,000.00	20.91%
Interest Income	\$5,000.00	0.20%
TOTAL	\$2,558,262.00	100.00%



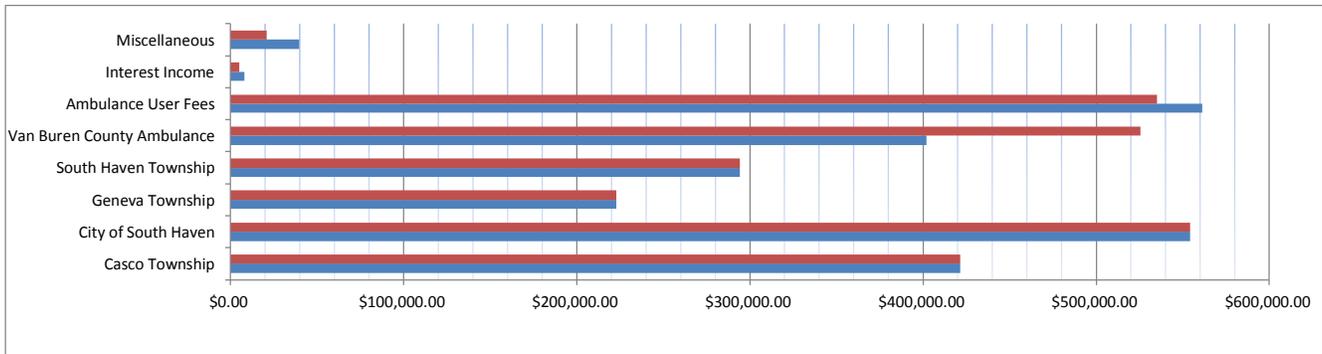
Propane Fire Training



SHAES assisting Ganges Fire Department

BUDGET INFORMATION Actual "vs" Budget Revenue for 2016

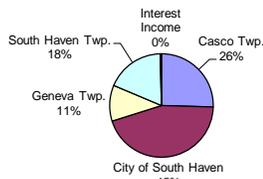
Funding Sources:	Actual Revenue	Budgeted Amount
Casco Township	\$421,419.00	\$421,419.00
City of South Haven	\$554,191.00	\$554,191.00
Geneva Township	\$222,895.00	\$222,895.00
South Haven Township	\$294,146.00	\$294,146.00
Van Buren County Ambulance	\$402,049.00	\$525,611.00
Ambulance User Fees	\$561,368.00	\$535,000.00
Interest Income	\$8,000.00	\$5,000.00
Miscellaneous	\$39,546.00	\$21,000.00
TOTAL	\$2,503,614.00	\$2,579,262.00



2016 FIRE & AMBULANCE REVENUE BUDGET

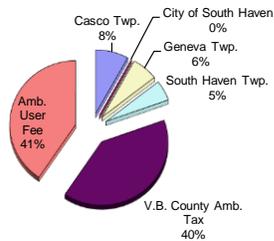
Fire Funding Sources:	Amount	Budget Percentage
Casco Township	\$315,737.00	25.46%
City of South Haven	\$554,191.00	44.68%
Geneva Township	\$139,094.00	11.21%
South Haven Township	\$226,358.00	18.25%
Interest Income	\$5,000.00	0.40%
TOTAL	\$1,240,380.00	100.00%

Fire Fund Revenues



Ambulance Funding Sources:	Amount	Budget Percentage
Casco Township	\$105,682.00	8.02%
City of South Haven	\$0.00	0.00%
Geneva Township	\$83,801.00	6.36%
South Haven Township	\$67,788.00	5.14%
Van Buren County Ambulance Tax	\$525,611.00	39.88%
Ambulance User Fees	\$535,000.00	40.60%
TOTAL	\$1,317,882.00	100.00%

Ambulance Fund Revenues



Structure Fire in Covert Township



Structure Fire in South Haven Township



Auto Accident BlueStar Hwy and Phoenix Street



Working as a Team Every Day

Semi trailer Fire

2016 - Apparatus Miles Driven

	Miles	Percentage	Percentage
Fire Trucks:			
Old Engine 1	229	1.33%	
New Engine 1	1,035	6.03%	
Engine 2	1,322	7.70%	
Engine 3	1,968	11.46%	
Tower 1	169	0.98%	
Ladder 1	1,463	8.52%	
Rescue 1	812	4.73%	
Truck 3	5,798	33.76%	
Truck 4	89	0.52%	
Truck 5	2,498	14.55%	
Tanker 6	539	3.14%	
Tanker 7	655	3.81%	
Tanker 8	596	3.47%	
Total	17,173	100.00%	23.81%
Ambulances:			
Squad 1	14,257	57.76%	
Squad 2	9,866	39.97%	
Squad 3	559	2.27%	
Total	24,682	100.00%	34.22%
Command Vehicles:			
Command 1	12,464	41.17%	
Command 2	8,627	28.49%	
Dodge Van	9,185	30.34%	
Total	30,276	100.00%	41.97%
Grand Total	72,131		100.00%



Setting Up Fire Safety Bounce House for Fire Prevention Week



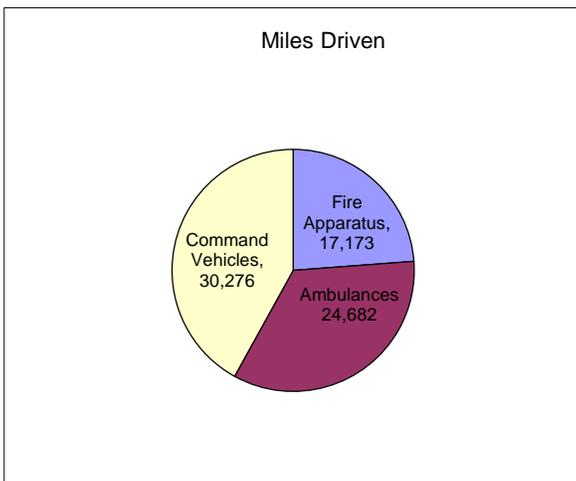
Smoke Detector Education at Maple Grove School

2016 Miles Driven

	Miles	Percentage
Fire Apparatus	17,173	23.81%
Ambulances	24,682	34.22%
Command Vehicles	30,276	41.97%
Total Miles Driven	72,131	100.00%



New SHAES 2221



Bringing Santa Claus to Town in SHAES Fire Boat



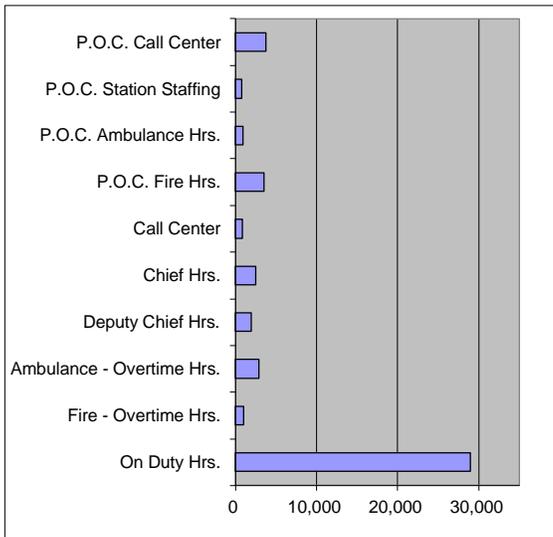
Ice Rescue Training in the Black River



Mutual Aid call to Ganges Fire Department

Personnel Hours - 2016

Description:	Payroll		Three Yrs. Average		Description:	Payroll
	Hours	Percentage	Hours	Percentage		
On Duty Hrs.	28,954	61.26%	26,998	58.51%	On Duty Hrs.	28,954
Fire - Overtime Hrs.	1,035	2.19%	1,146	2.48%	Fire - Overtime Hrs.	1,035
Ambulance - Overtime Hrs.	2,895	6.13%	3,294	7.14%	Ambulance - Overtime Hrs.	2,895
Deputy Chief Hrs.	1,965	4.16%	1,941	4.21%	Deputy Chief Hrs.	1,965
Chief Hrs.	2,486	5.26%	2,406	5.21%	Chief Hrs.	2,486
Call Center	885	1.87%	1,881	4.08%	Call Center	885
P.O.C. Fire Hrs.	3,542	7.49%	2,855	6.19%	P.O.C. Fire Hrs.	3,542
P.O.C. Ambulance Hrs.	951	2.01%	1,052	2.28%	P.O.C. Ambulance Hrs.	951
P.O.C. Station Staffing	784	1.66%	1,224	2.65%	P.O.C. Station Staffing	784
P.O.C. Call Center	3,770	7.98%	3,347	7.25%	P.O.C. Call Center	3,770
Total Hours for the Year	47,267	100.00%	46,144	100.00%	Total Hours for the Year	47,267



Rope Rescue Demonstration at Fire Safety Fun Fair



Semi-Truck Fire City of South Haven



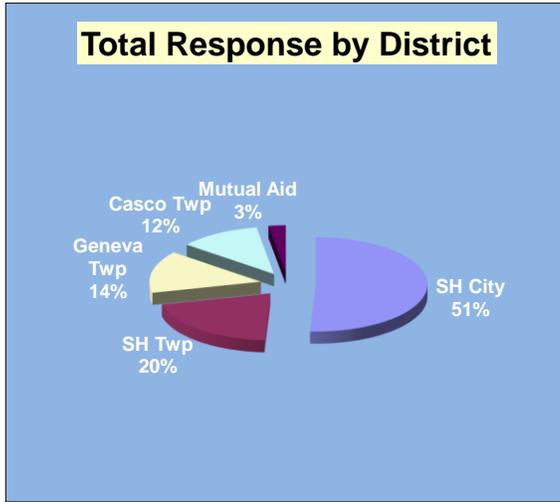
Fire Prevention Week at St. Basil School



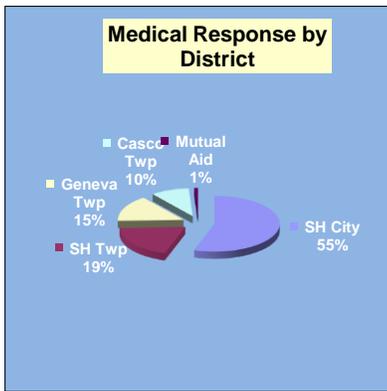
SHAES Firefighter Memorial

2016 Fire & Medical Responses

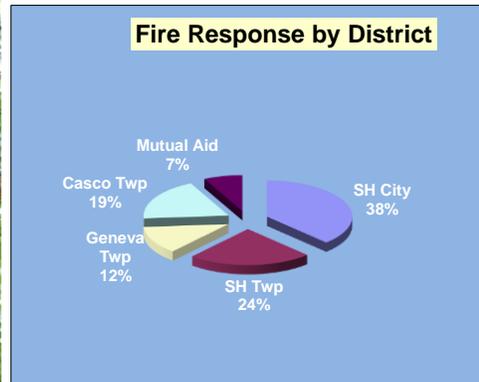
	Total	Amb	Fire
SH City	1157	947	210
SH Twp	464	333	131
Geneva Twp	329	260	69
Casco Twp	269	164	105
Mutual Aid	57	16	41
Total	2,276	1,720	556



Fire Safety Fun Night

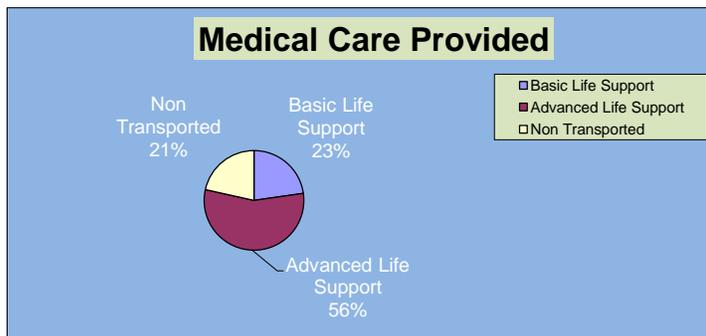


Tree Stand Rope Rescue Training



Medical Care Provided

Basic Life Support	391
Advanced Life Support	959
Non Transported	370
Total	1,720



SHAES Beach Flag Summer Intern



Pullman Road Head on Accident



Water Rescue Training in Lake Michigan

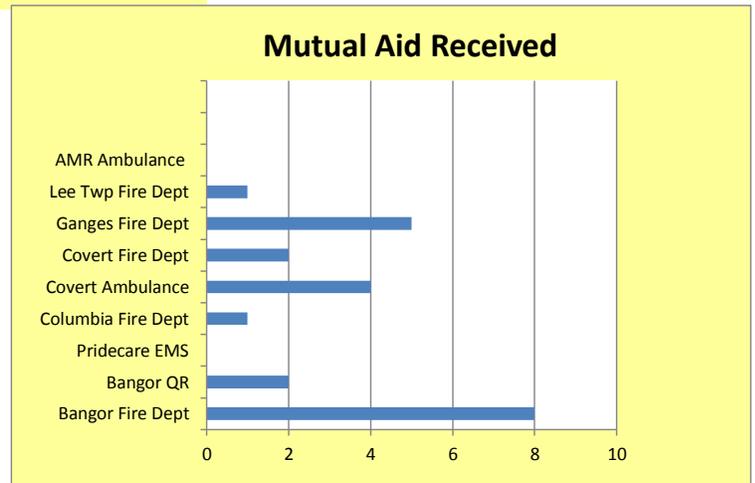
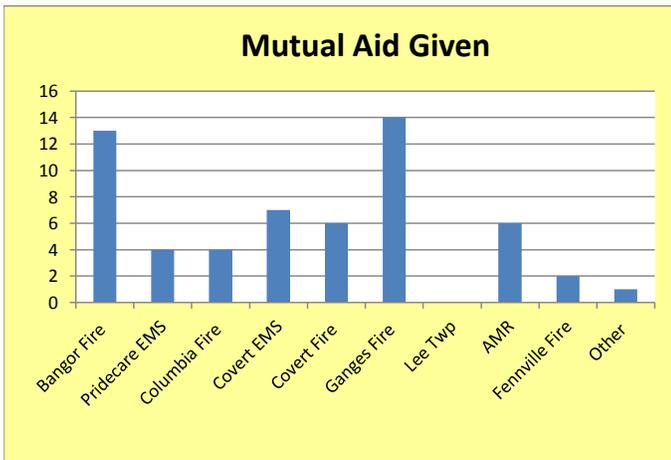


Lakeshore Appliance Store Fire, SHAES Received Mutual-Aid from Bangor, Covert and North Berrien Fire Dept.

2016 Mutual Aid Given and Received

Given	
Bangor Fire	13
Pridecare EMS	4
Columbia Fire	4
Covert EMS	7
Covert Fire	6
Ganges Fire	14
Lee Twp	0
AMR	6
Fennville Fire	2
Other	1

Received	
Bangor Fire Dept	8
Bangor QR	2
Pridecare EMS	0
Columbia Fire Dept	1
Covert Ambulance	4
Covert Fire Dept	2
Ganges Fire Dept	5
Lee Twp Fire Dept	1
AMR Ambulance	0



SHAES Assisting SHPD to Rescue Harold the Lizzard



SHAES assisting Covert Fire Department

2016 Estimated Structure Fire Loss

	Property Value:	Property Loss:	Property Saved:	Percent Lost:	Percent Saved:
South Haven City	\$100,000	\$2,000	\$98,000	2.00%	98.00%
South Haven Twp	\$431,000	\$45,245	\$385,755	10.49%	89.51%
Geneva Township	\$0	\$0	\$0	0.00%	0.00%
Casco Township	\$325,500	\$140,500	\$185,000	43.17%	56.83%
Total:	\$856,500	\$187,745	\$668,755	21.92%	78.08%

Fire Sprinklers in homes and businesses can save property

Geneva Township did not have a single structure fire in 2016

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

Fire Incident Type	SH City	SH Twp	Geneva Twp	Casco Twp
Structure Fires	7	7	0	9
Vehicle Fires	5	1	4	5
Vegetation Fires	3	5	3	3
Hazardous Materials	46	16	11	16
Service Calls	79	41	23	16
Fire Alarms	29	26	8	22
Vehicle Accidents	5	16	8	17
Other	36	19	12	17
Total Fire Calls	210	131	69	105

	2016	Injuries	Deaths
Civillian		0	0
Firefighter (in Station)		1	0
Firefighter (Training)		1	0
Firefighter (Emergency Scene)		1	0
Total:		3	0

EMS Incident Type	SH City	SH Twp	Geneva Twp	Casco Twp	Total:
Abdominal Pain	27	15	13	6	61
Altered Level of Consciousness	48	8	8	11	75
Asthma	2	0	3	1	6
Psychiatric	17	3	16	2	38
Cardiac Arrest	12	3	5	2	22
Chest Pains	154	19	20	4	197
Diabetic	7	2	6	1	16
Emphysema/COPD	3	3	2	4	12
General Illness	62	61	20	10	153
Obvious Death	2	3	4	2	11
Posioning/ Overdose	5	3	3	5	16
Seizure	23	8	6	3	40
Stroke/CVA	14	10	1	1	26
Fainting	14	12	0	12	38
Trauma	121	71	42	41	275
Respiratory Distress	38	16	13	11	78
Pregnancy	6	0	1	0	7
Other	392	96	97	48	633
Total:	947	333	260	164	1704



Annual Hydrant Flushing



Fire Training with Bangor Fire Department



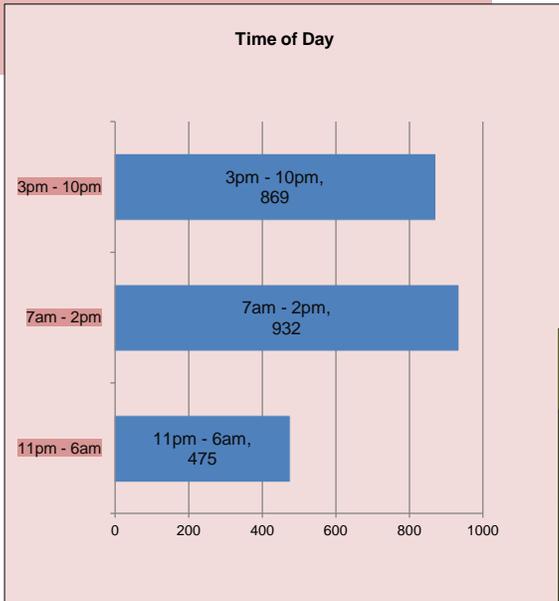
Ice Rescue Training



SHAES Assisting Ganges Fire with Extrication

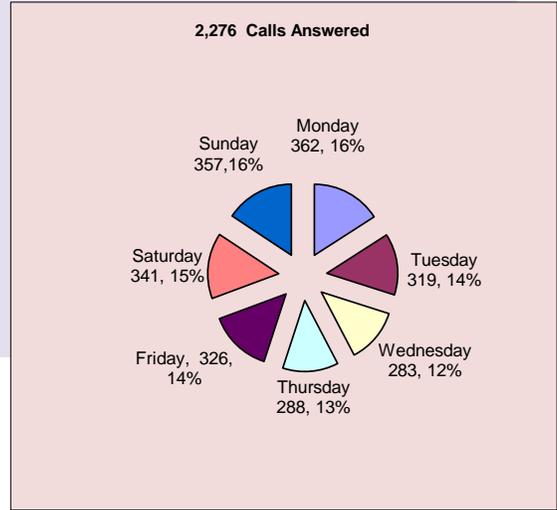
2016 Time of Day for Alarm

11pm - 6am	475
7am - 2pm	932
3pm - 10pm	869
Total	2,276

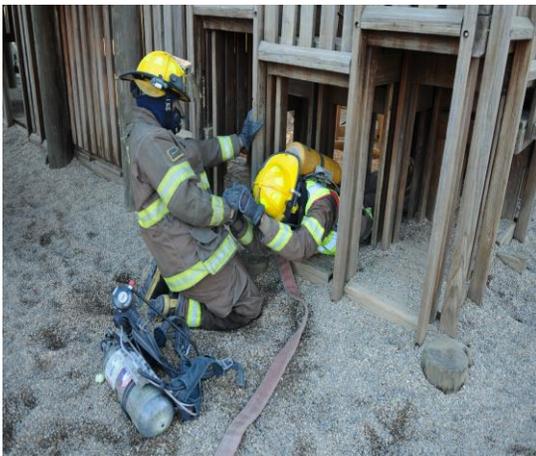
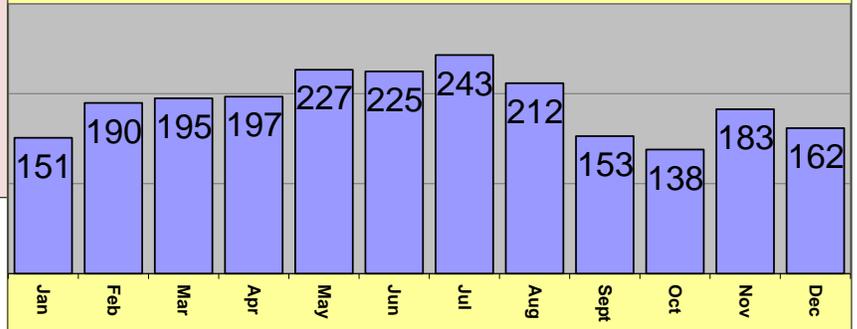


Day of the Week

Monday	362
Tuesday	319
Wednesday	283
Thursday	288
Friday	326
Saturday	341
Sunday	357
Total	2,276



2016 Monthly Calls



Search and Rescue Training



Barn Fire in Casco Township- SHAES was Assisted by Ganges and Lee Fire Department

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
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)

2016	Fire	Medical	Total
South Haven City	5 Minutes	4 Minutes	4.5 Minutes
South Haven Twp	5 Minutes	5 Minutes	5 Minutes
Geneva Twp	8 Minutes	8 Minutes	8 Minutes
Casco Twp	7 Minutes	9 Minutes	8 Minutes
SHAES Authority	6 Minutes	6 Minutes	6 Minutes



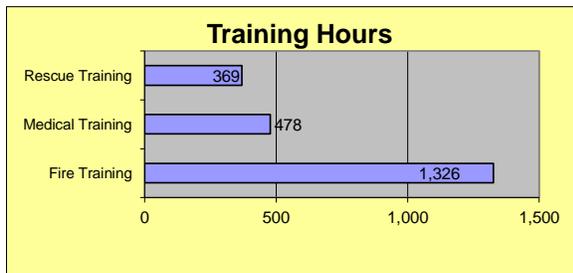
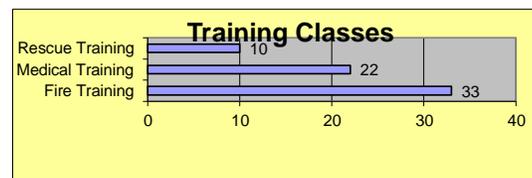
Beach Flag Program

Average response times for specific types of incidents

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

2016 Training

	Staff Hours	Classes
Fire Training	1,326	33
Medical Training	478	22
Rescue Training	369	10
Total	2,173	65



Line Throwing Gun



Pipeline Break in Geneva Township



Motor Vehicle Accident M-140 & LaGrange Ave



Beach Safety Messages



Fire Safety Fun Night



Vickii Nichols Retirement Proclamation



Fire Prevention Week at Lincoln School



SHAES Leadership Award: Cesar Garcia



West Michigan Air Care Flying Injured Child to Trauma Center



Free Smoke Detector Install with Red Cross



SHAES Life Saving Awards: Dawn Hinz and Paul Quinn



SHAES New Lieutenants- Tim Quinn and Brian Horan



3rd of July Fireworks Command Post in Action



Harold the Lizzard



Blueberry Friend



Casco Township Structure Fire



Remembering Our Past



Yearly Physical Fitness Test



8,000 Gallons of Gasoline Burning, I-196 26MM Exit Casco Township