

South Haven Area Emergency Services Authority



2020 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 2020 Annual Report. Our department is filled with dedicated men and women 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 high-quality professional services such as fire suppression, fire prevention, advanced life support ambulance transport service, confined space rescue, dive and ice rescue and fire inspection programs.

During the past year, even with the restrictions and hurdles that had to be endured due to Covid, our department achieved the following:

- Brandon Hinz was appointed to the position of Executive Director.
- Keith Bierhalter was promoted to the position of Deputy Chief Fire Marshal.
- Paul Quinn was promoted to the position of Fire Captain/Paramedic.
- Rex Haner was promoted to the position of Assistant Fire Inspector.
- Ron Wise retired from SHAES after 31 years of service.
- SHAES fire academy & challenge academy graduated 8 new firefighters for SHAES and 5 other firefighters for other departments within Van Buren County.
- Four new gear washers and dryers were purchased with grant funds and installed in each of SHAES three fire stations. Gear dryers were built by SHAES staff saving thousands of dollars.
- Staff designed water safety dinner mats with the help of a local artist and Bronson Safe Kids coalition.
- SHAES had to say goodbye to 2 former members: Stanley Wakild and Tom Leva
- Birthday and graduation drive-bys became the norm during home Covid 19 quarantine.
- 2020 was our busiest year to date at 2358 calls for service.
- SHAES purchased two EMS bikes to help staff respond during local events and congested areas.

We are proud to be your fire department and serve our community! If you have any questions or suggestions 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.

Brandon Hinz, Executive Director

bhinz@shaes.org

www.shaes.org

* Special thanks to SHAES photographer Tom Renner for the wonderful pictures in this report.

2020 Authority Board Members

Chairman:	Ross Stein	South Haven Township
Vice-Chairman:	Allan Overhiser	Casco Township
Secretary		
Treasurer:	Nancy Whaley	Geneva Township
Administrator:	Kate Hosier	City of South Haven
Member:	Scott Smith	City of South Haven

Meeting Dates 2021

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

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

Fire prevention 2020

The 2020 NFPA fire prevention theme was “serving up fire safety in the kitchen”. The campaign focused on preventing cooking fires, and teaching children to never cook alone. Furthermore, it taught children to stay a safe distance from cooking surfaces.

Although the Novel Covid-19 pandemic kept us from our traditional fire safety activities SHAES firefighters were able to connect with the community through social media and socially distanced activities. Activities included posting a safety message video each day of fire prevention week created by our very own SHAES staff. SHAES also scheduled apparatus drive-bys through the schools parking lots to show off the trucks to the children.

SHAES staff dropped off age appropriate gift bags to Lincoln, North Shore, and Maple Grove elementaries, Tri-county head start and Kid’s Zone. New to the “goody bags” this year was a pamphlet and place mat about beach and water safety.

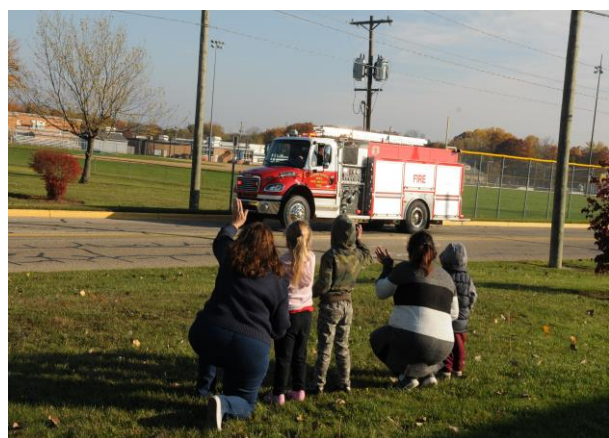
Due to Covid-19 we were unable to solicit for donations for fire prevention funds. We had some funds left over from past years to purchase our items with. We also had some donations from various causes that were allocated by Chief Hinz for fire prevention supplies. We purchased 1,500 Fire prevention activity books, 1,000 packs of crayons, 500 pencils, and 1,300 bags, for a total cost of \$2,227.00. We also filled the “goody bags” with pamphlets from years past.

We would like to thank Tom Renner for his work in promoting our “Virtual fire safety week, and all of his photography during the apparatus drive-bys. None of this would have been possible without Tom. We would also like to thank Pamela Ford with safe Kids coalition of greater South Haven. Pam helped us with message ideas and also donated some fire prevention activity books. Pam also made a video message that was posted to the SHAES Facebook page highlighting our campaign of “serving up safety in the kitchen”.

In 2020 SHAES spent two days re-certifying Albemarle Corporation staff in the use of fire extinguishers, as well as a few hours with the residents of River Watch Condominiums answering fire safety concerns.



Watching Fire Safety Truck Parade



Fire Safety Truck Parade

2020 SHAES Banquet

Due to Covid; SHAES was unable to host our annual banquet. A small ceremony was held later in the year to celebrate these accomplishments.

Swearing in Executive Director: Brandon Hinz

Swearing in Deputy Chief/Fire Marshal: Keith Bierhalter

Swearing in Fire Captain/Paramedic: Paul Quinn

Swearing in Full-Time Firefighter/ Paramedic: Tim Forker

Swearing in of Paid on Call Fire Fighters: Amanda Quinn, Jacob Clemons, Aaron Sawyer, Phil Poole, Kevin Wildey, Zachary Haner

SHAES Firefighter of the Year Award: Fire Captain Ronald Ridley



SHAES Fire Academy Graduates



Firefighter of the Year: Fire Captain Ronald Ridley



Swearing in Executive Director Brandon Hinz



SHAES Deputy Chief Keith Bierhalter



SHAES Fire Captain Paul Quinn



Retiring Executive Director Ronald Wise



Firefighter Paramedic Tim Forker

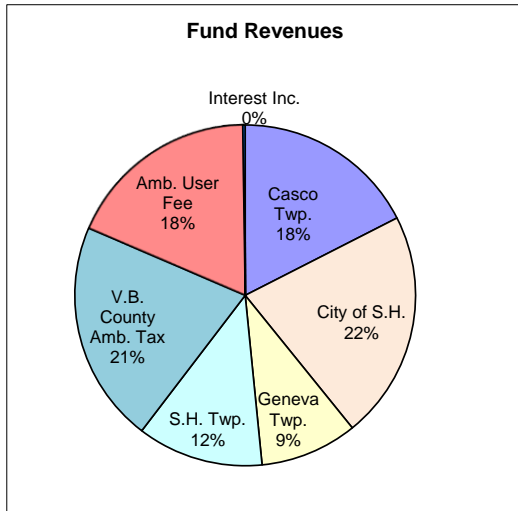
2020 BUDGET INFORMATION

Revenues

Funding Sources:	Amount	Budget Percentage
Casco Township	\$487,344.00	17.50%
City of South Haven	\$603,885.00	21.68%
Geneva Township	\$257,377.00	9.24%
South Haven Township	\$333,310.00	11.97%
Van Buren County Ambulance	\$586,859.00	21.07%
Ambulance User Fees	\$510,000.00	18.31%
Interest Income	\$6,500.00	0.23%
TOTAL	\$2,785,275.00	100.00%



Auto Extrication Training



Kayak rescue

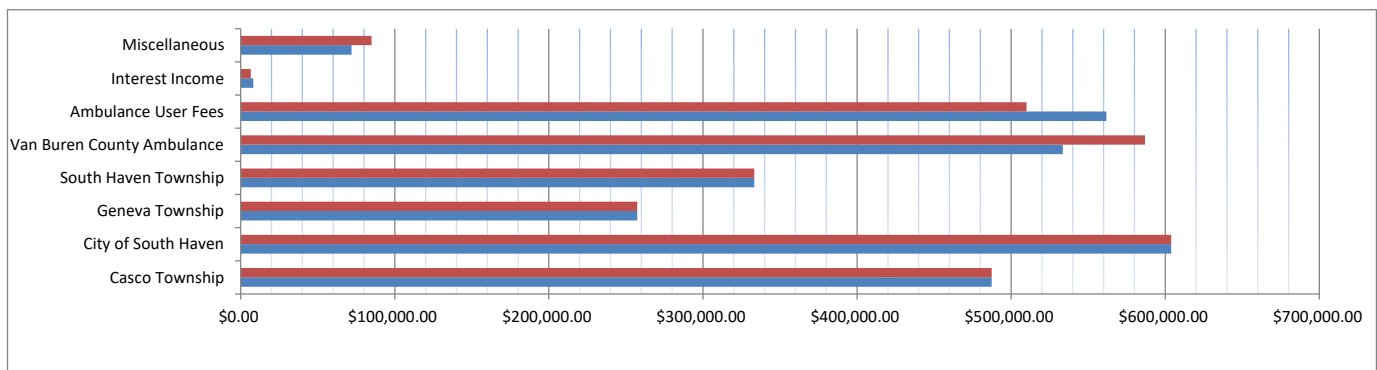
BUDGET INFORMATION

Actual "vs" Budget Revenue for 2020

Funding Sources:	Actual Revenue	Budgeted Amount
Casco Township	\$487,344.00	\$487,344.00
City of South Haven	\$603,885.00	\$603,885.00
Geneva Township	\$257,377.00	\$257,377.00
South Haven Township	\$333,310.00	\$333,310.00
Van Buren County Ambulance	\$533,497.00	\$586,859.00
Ambulance User Fees	\$561,853.00	\$510,000.00
Interest Income	\$8,247.00	\$6,500.00
Miscellaneous	\$71,875.00	\$85,000.00
TOTAL	\$2,857,388.00	\$2,870,275.00



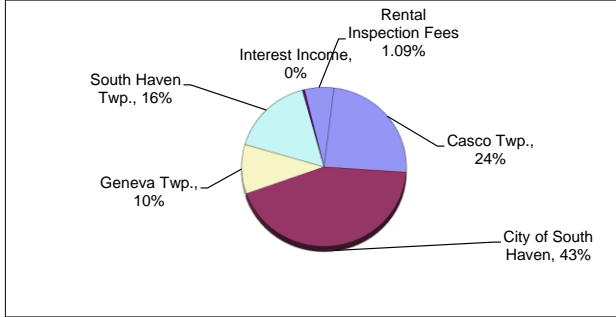
Structure Fire, City of South Haven



2020 FIRE & AMBULANCE REVENUE BUDGET

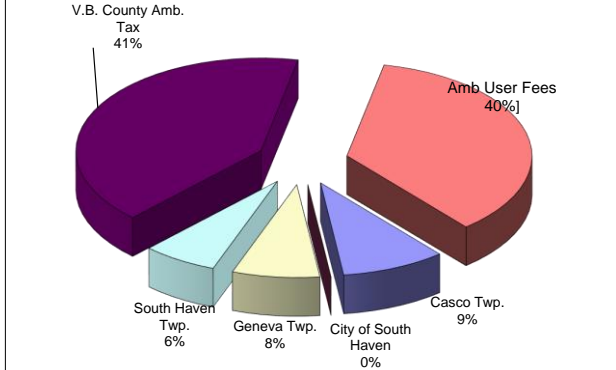
Fire Funding Sources:	Amount	Budget Percentage
Casco Township	\$357,038.00	24.14%
City of South Haven	\$642,644.00	43.45%
Geneva Township	\$148,263.00	10.02%
South Haven Township	\$239,635.00	16.20%
Interest Income	\$6,500.00	0.44%
Rental Inspection Fees	\$85,000.00	5.75%
TOTAL	\$1,479,080.00	100.00%

Fire Fund Revenue



Ambulance Funding Sources:	Amount	Budget Percentage
Casco Township	\$130,306.00	9.11%
City of South Haven	\$0.00	0.00%
Geneva Township	\$109,114.00	7.63%
South Haven Township	\$93,675.00	6.55%
Van Buren County Ambulance Tax	\$586,859.00	41.04%
Ambulance User Fees	\$510,000.00	35.67%
TOTAL	\$1,429,954.00	100.00%

Ambulance Fund Revenues



Water Shuttle Training



Fruit Street structure fire



Pole barn fire in Casco Twp



SHAES Honor Guard



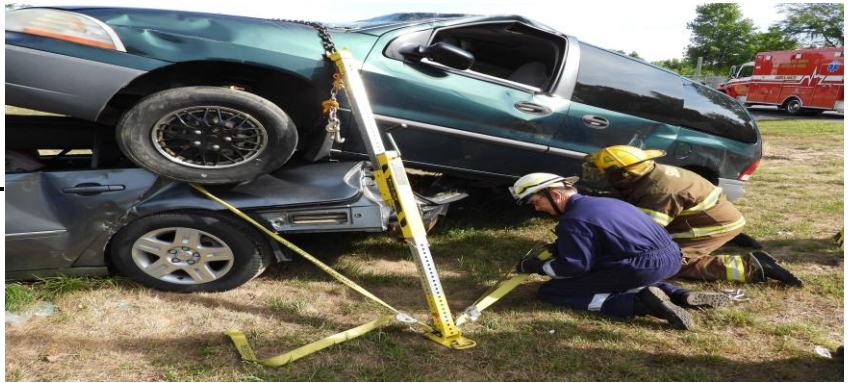
Storm Clean-up



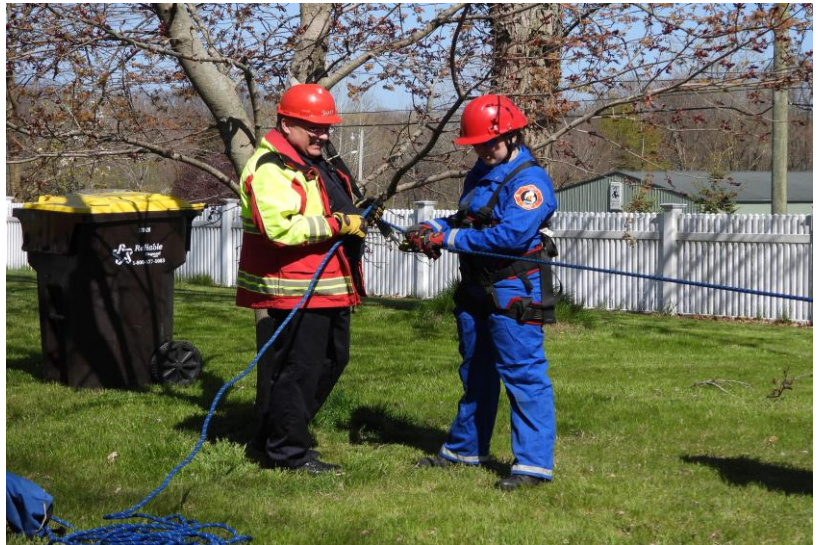
Semi Fire I-196

2020 - Apparatus Miles Driven

Fire Trucks:	Miles	Percentage	Percentage
Engine 1	1,050	5.76%	
Engine 2	1,769	9.70%	
Engine 3	2,078	11.40%	
Tower 1	312	1.71%	
Ladder 1	814	4.47%	
Rescue 1	956	5.24%	
Truck 3	5,154	28.27%	
Truck 4	269	1.48%	
Truck 5	3,152	17.29%	
Tanker 6	859	4.71%	
Tanker 7	789	4.33%	
Tanker 8	1,028	5.64%	
Total	18,230	100.00%	20.59%
Ambulances:			
Squad 1	8,208	27.34%	
Squad 2	2,875	9.58%	
Squad 3	1,095	3.65%	
Squad 4	17,847	59.44%	
Total	30,025	100.00%	33.90%
Command Vehicles:			
Command 1	10,158	25.20%	
Command 2	11,601	28.78%	
Inspector - Explorer	5,805	14.40%	
Inspector - Fusion	7,029	17.44%	
Dodge Van	5,714	14.18%	
Total	40,307	100.00%	45.51%
Grand Total	88,562		100.00%



Rescue Jack Training



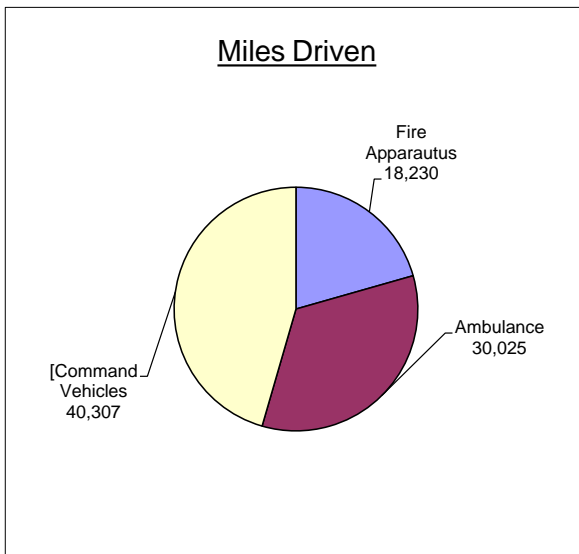
Rope Rescue Training



Auto Accident M-140 & Blue Star Hwy

2020 Miles Driven

	Miles	Percentage
Fire Apparatus	18,230	20.59%
Ambulances	30,025	33.90%
Command Vehicles	40,307	45.51%
Total Miles Driven	88,562	100.00%



New Rescue 1 in production



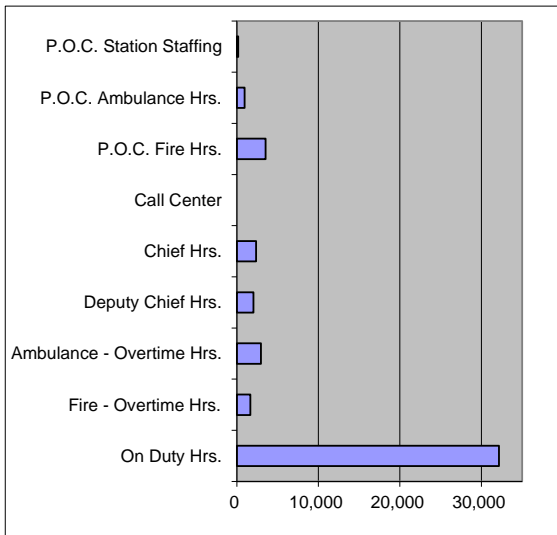
Fire Truck Parade at Nursing Home



Fire Training

Personnel Hours - 2020

Description:	Payroll		Three Yrs.		Description:	Payroll
	Hours	Percentage	Average Hours	Percentage		
On Duty Hrs.	32,164	70.33%	29,954	68.77%	On Duty Hrs.	32,164
Fire - Overtime Hrs.	1,651	3.61%	1,450	3.33%	Fire - Overtime Hrs.	1,651
Ambulance - Overtime Hrs.	2,943	6.44%	3,106	7.13%	Ambulance - Overtime Hrs.	2,943
Deputy Chief Hrs.	2,024	4.43%	1,923	4.42%	Deputy Chief Hrs.	2,024
Chief Hrs.	2,359	5.16%	2,430	5.58%	Chief Hrs.	2,359
Call Center	0	0.00%	0	0.00%	Call Center	0
P.O.C. Fire Hrs.	3,508	7.67%	3,321	7.62%	P.O.C. Fire Hrs.	3,508
P.O.C. Ambulance Hrs.	936	2.05%	1,111	2.55%	P.O.C. Ambulance Hrs.	936
P.O.C. Station Staffing	149	0.33%	265	0.61%	P.O.C. Station Staffing	149
Total Hours for the Year	45,734	100.00%	43,560	100.00%	Total Hours for the Year	45,734



Fire Boat training



Michigan Governor visiting SHAES



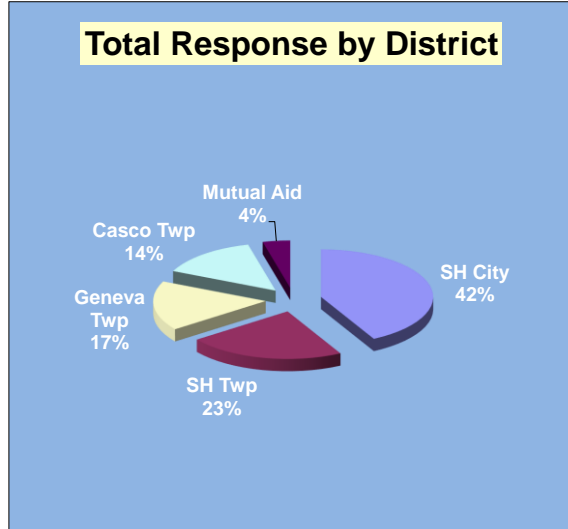
Funeral for Retired Fire Chief Stanley Wakild

2020 Fire & Medical Responses

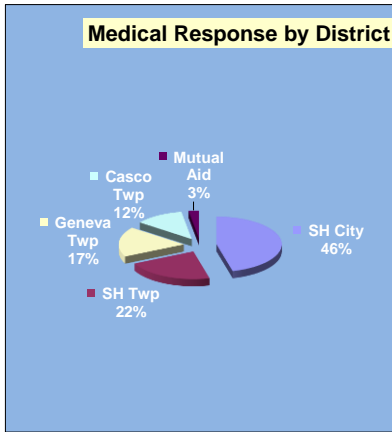


Inspecting Life rings

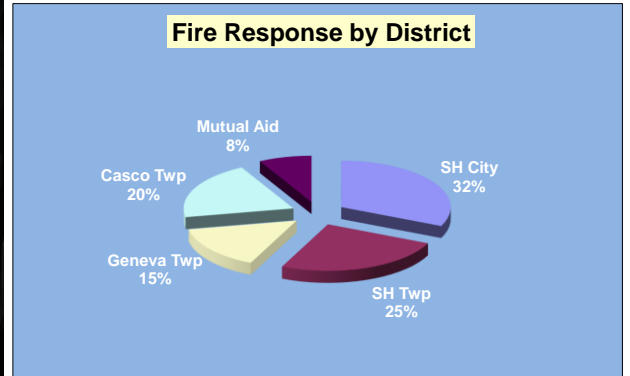
Total Calls by City & Township			
	Total	Amb	Fire
SH City	995	796	199
SH Twp	535	377	158
Geneva Twp	398	303	95
Casco Twp	337	210	127
Mutual Aid	93	44	49
Total	2,358	1,730	628



Cookie sale donation to SHAES

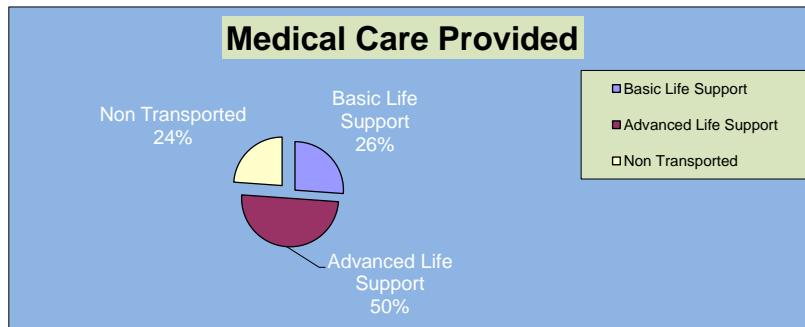


Mutual Aid to Bangor Fire



Medical Care Provided

Basic Life Support	452
Advanced Life Support	865
Non Transported	413
Total	1,730



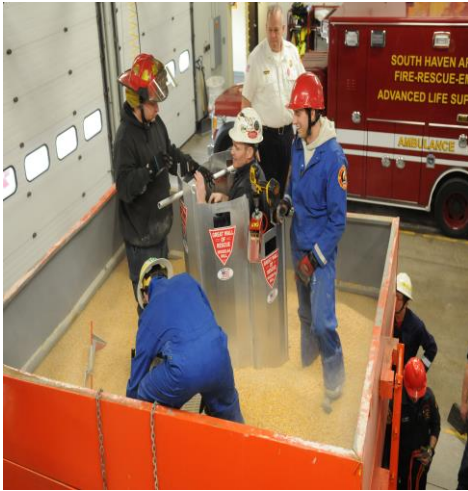
Teamwork



SHAES Drone training



North Beach medical call



Farm Rescue Training



Auto accident Geneva Twp



Community Support

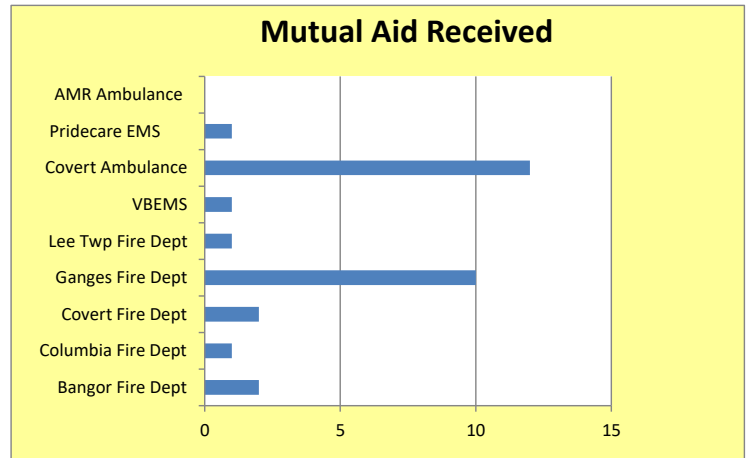
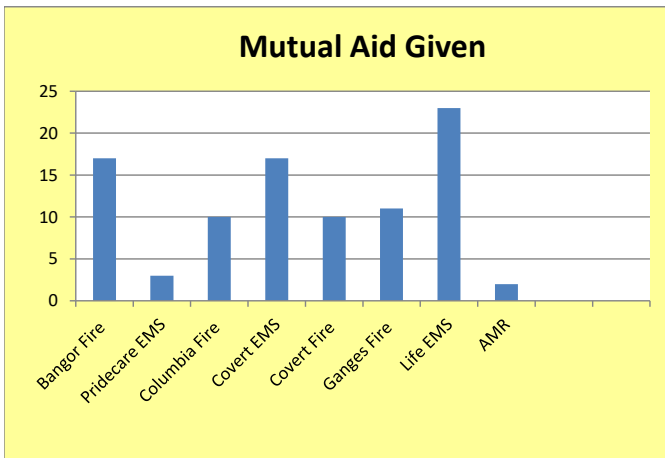
2020 Mutual Aid Given and Received

Given	
Bangor Fire	17
Pridecare EMS	3
Columbia Fire	10
Covert EMS	17
Covert Fire	10
Ganges Fire	11
Life EMS	23
AMR	2

Received	
Bangor Fire Dept	2
Columbia Fire Dept	1
Covert Fire Dept	2
Ganges Fire Dept	10
Lee Twp Fire Dept	1
VBEMS	1
Covert Ambulance	12
Pridecare Ambulanc	1
AMR Ambulance	0



Wearing mask during Covid



Cookie sale to support SHAES



Birthday drive-by

2020 Estimated Structure Fire Loss

	Property Value:	Property Loss:	Property Saved:	Percent Lost:	Percent Saved:
South Haven City	\$3,010,700	\$55,700	\$2,955,000	2%	98%
South Haven Twp	\$575,000	\$20,800	\$554,200	4%	96%
Geneva Township	\$358,800	\$251,100	\$107,700	70%	30%
Casco Township	\$122,734	\$95,000	\$27,734	77%	23%
Total:	\$4,067,234	\$422,600	\$3,644,634	38%	62%

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	2020 SH City	2020 SH Twp	2020 Geneva Twp	2020 Casco Twp
Structure Fires	7	3	6	7
Vehicle Fires	3	4	6	10
Vegetation Fires	1	10	7	12
Hazardous Materials	18	10	4	3
Water Rescues	9	0	1	0
Service Calls	69	51	16	29
Fire Alarms	37	9	8	14
Vehicle Accidents	10	28	15	8
Downed Power Lines	17	13	10	19
Dispatch/Cancelled	12	19	6	18
Other	16	11	16	7
Total Fire Calls	199	158	95	127



Celebrating Past member Medical Miracle



Beach Flags

2020 Injuries

	Injuries	Deaths
Civillian	0	0
Firefighter (in Station)	1	0
Firefighter (Training)	1	0
Firefighter (Emergency Scene)	4	0
Total:	6	0

EMS Incident Type	SH City	SH Twp	Geneva Twp	Casco Twp	Total:
Abdominal Pain	28	9	9	8	54
Altered Level of Consciousness	33	12	8	7	60
Asthma	19	2	1	5	27
Auto Accidents	14	34	23	20	91
Psychiatric	20	11	17	17	65
Cardiac Arrest	12	4	5	2	23
Chest Pains	33	25	12	8	78
Diabetic	11	13	9	6	39
General Illness	116	51	43	21	231
Obvious Death	11	3	4	9	27
Poisoning/ Overdose	31	4	9	2	46
Seizure	17	7	12	6	42
Stroke/CVA	8	4	4	6	22
Fainting	38	10	8	10	66
Trauma	150	56	63	48	317
Respiratory Distress	25	11	22	10	68
Pregnancy	1	1	0	0	2
Other	210	104	48	15	377
Cancelled Enroute	19	16	6	10	51
Total:	796	377	303	210	1686



62nd & CR-384 Geneva Township

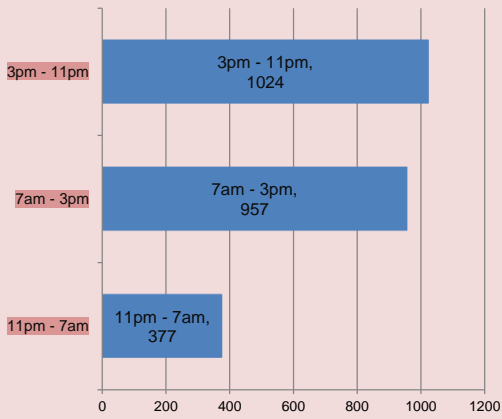


Fawn Rescue

2020 Time of Day for Alarm

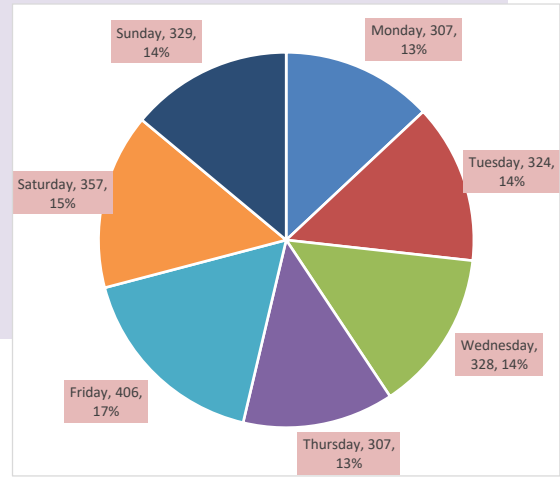
11pm - 7am	377
7am - 3pm	957
3pm - 11pm	1024
Total	2,358

Time of Day

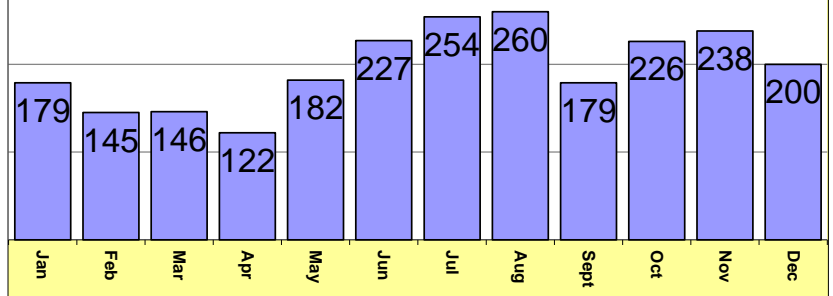


Day of the Week

Monday	307
Tuesday	324
Wednesday	328
Thursday	307
Friday	406
Saturday	357
Sunday	329
Total	2,358



2020 Monthly Calls



911 tribute at Firefighter Memorial



Fire Academy



Staging at Fire Scene

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
2020	179	145	146	122	182	227	254	260	179	226	238	200	2,358
2019	146	172	172	161	166	229	251	211	176	175	165	156	2,171
2018	179	123	169	159	185	191	223	231	144	185	146	150	2,085
2017	169	131	180	165	179	205	202	238	196	170	146	188	2,169
2016	151	190	195	197	227	225	243	212	153	138	183	162	2,276
2015	171	157	159	166	202	216	239	241	167	166	148	151	2,183
2014	180	138	163	160	182	177	228	206	210	190	189	190	2,213
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)

2020	Fire	Medical	Total
South Haven City	4 Minutes	4 Minutes	4 Minutes
South Haven Twp	5 Minutes	5 Minutes	5 Minutes
Geneva Twp	9 Minutes	7 Minutes	8 Minutes
Casco Twp	7 Minutes	8 Minutes	7 Minutes
SHAES Authority	6 Minutes	6 Minutes	6 Minutes



Changing of the Guard at SHAES

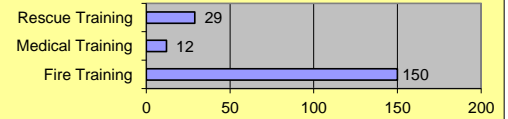
Average response times for specific types of incidents

	SH City	SH Twp	Geneva Twp	Casco Twp	SHAES Authority
Structure Fires	3 Minutes	4 Minutes	14 Minutes	7 Minutes	6 Minutes
Vehicle Fires	4 Minutes	5 Minutes	9 Minutes	9 Minutes	6 Minutes
Woods/Grass Fires	5 Minutes	6 Minutes	6 Minutes	6 Minutes	6 Minutes
Auto-Accident Rescues	4 Minutes	5 Minutes	8 Minutes	8 Minutes	6 Minutes
Emergency Medical Calls	5 Minutes	6 Minutes	8 Minutes	9 Minutes	7 Minutes
Motor-Vehicle Accidents	3 Minutes	5 Minutes	7 Minutes	7 Minutes	5 Minutes

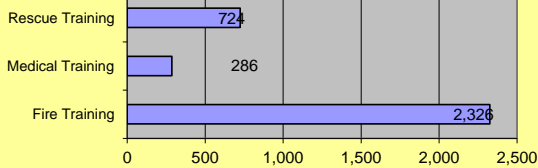
2020 Training

	Staff Hours	Classes
Fire Training	2,326	150
Medical Training	286	12
Rescue Training	724	29
Total	3,336	191

Number of Training Classes



Training Hours



Casco Twp Field Fire



Casco Twp Rest Area Truck Fire



Mutual Aid to Columbia Twp Fire

Fire Inspection Division

Short Term Rental Inspections completed
City of South Haven 398
Casco Township 0
Total: 398

Prefire Surveys: 65

Knox Box Inspections and Repairs: 46

Special Event Vendor Inspections: 0

Fire Safety Inspections: 24

Fire Hydrant Flow Test: 1

Sprinkler System Flow Test: 1

Fire Panel System Test: 3

Business Occupancy Inspections: 8

Site Plan Review: 13



New EMS bicycles



Fire Prevention Week School Parade of Trucks



Inspecting Fire Suppression Systems



Knox Box Inspection & Key Verification



Inspecting Commercial Hood System



Inspecting Fire Safety Equipment



West Michigan Air-Care Assisting SHAES



Tire Fire on Semi-Truck



Directing Traffic at Accident Scene



Water Rescue Preparation



Structure Fire, Fruit Street



Rehab during Structure Fire



Dive Rescue Lake Michigan



Funeral Graveside for Stanley Wakild