

South Haven Area Emergency Services Authority



2019 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 2019 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 high-quality professional services such as fire suppression, fire prevention, advanced life support transport service, confined space rescue, dive and ice rescue and fire inspection programs.

During the past year, our department achieved the following:

- The agreement creating South Haven Area Emergency Services (SHAES) Authority was extended for another 25 years.
- 2019 call volume was fourth highest in the history of SHAES: 2,171 calls for service.
- SHAES Deputy Chief Fire Marshal Tony Marsala announced his retirement after 34 years of service.
- Keith Bierhalter, a 35year veteran of SHAES was appointed Deputy Chief Fire Marshal.
- Chief Ronald Wise announced his intention to retire effective September 30, 2020. A formal search process for his successor was developed by the SHAES Authority Board.
- SHAES continued to partner with Van Buren County Emergency Preparedness to develop Incident Action plans detailing how responders deal with all festivals and events.
- SHAES partnered with Allegan County Emergency preparedness to develop Incident Action plans for shoreline erosion in Casco Township. SHAES monitored the shoreline between Casco and South Haven Townships along with the City of South Haven for impacts of high water from Lake Michigan and the Black River.
- SHAES was awarded a \$20,000 grant by the Timken Foundation through LoveJoy Inc. to help fund our fire gear washer and dryer project.
- Albemarle donated \$10,000 to SHAES towards our fire gear washer and dryer project. Albemarle has been a long standing financial supporter of SHAES for many years.
- Entergy Corporation (Palisades Nuclear Plant) donated \$5,000 towards the fire gear washer and dryer project.
- Due to an overwhelming application request to join SHAES as Paid-On-Call firefighters, SHAES hosted a Fire Academy with 8 students from SHAES and 5 students from other departments.
- SHAES fire inspectors completed over 600 short-term rental inspections.
- SHAES staff continued to help provide medical oversight for multiple 5K races through out the year.
- SHAES honored the memory of (retired) First Responders Edward Bierhalter, David Henry and Karl Barden.
- The City of South Haven commended several SHAES responders for their actions in making rescues on Lake Michigan during the summer.

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

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

2019 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:	Scott Smith	City of South Haven

Meeting Dates 2020

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

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

Fire Prevention 2019

“Not Every Hero Wears a Cape. Plan and Practice Your Escape!” This year the NFPA campaign focused to motivate households to develop and practice home fire escape plans; these seemingly basic behaviors can have a life-saving impact.

Starting out in February, staff visited the First Congregational Church. Boy Scouts learned about what is involved in the daily activities of a SHAES firefighter/paramedic. SHAES staff were asked back to Lincoln School to help with the Pack a Backpack program. The Bucket Brigade was a hit at Elkenburg Park for the Community Picnic. SHAES staff presented to residents at Harbor View and River Terrace Senior apartments, providing tips about fire safety, slips, falls and housekeeping.

Fire Prevention Week started at Lincoln and Maple Grove Schools; staff visited the students in their classrooms. Firefighters had the opportunity to talk closely with students in smaller groups to help reinforce fire safety messages. The messages emphasized not playing with matches and lighters and knowing and practicing an escape plan. Students also practiced how to stop, drop, cover, and roll if their clothes catch on fire along with trying on firefighter bunker gear. Putting on the bunker gear in this setting helps show young students that even though we may look different in the big “snow suit,” we are just people underneath. After the classroom visit, students then proceeded to the gym to play in the fire safety related bounce house. SHAES also visited St. Paul, St. Basil, Kid Zone, and the Tri-county Head Start during Fire Prevention Week. Fire safety messages were presented to the students along with fire truck demonstrations.

Our annual Fire Safety Fun Fair went amazingly well. We had a little dreary weather but well over 500 children and adults visited the station. Kids enjoyed playing fire related games, eating free food and watching programs put on by firefighters. This year we invited Bangor and Ganges fire department members to participate in some friendly competition. A tether ball tournament was developed where two-member teams competed with fire hoses to push a larger than normal tether ball around a steel pole to produce a winner. This was well received and lots of fun was had by firefighters and the audience.

Our local businesses came through again this year. Twenty-two businesses donating \$3,000 helped provide the handout materials and food given out at these events.

In total, 70 firefighters spent 187 total hours visiting the community and setting up and running the Fun Fair. 1,142 kids were contacted along with 56 adults.



Fire Safety Education Lincoln School



Fire Safety Education North Shore School

2019 SHAES Banquet

Swearing in Full-Time Firefighter/ Paramedic;

Zachary Kenreich

Swearing in Full-Time Assistant Fire Inspector:

Steven Cavadas

Swearing in of Paid on Call Fire Fighters & EMT's:

FF-Matthew Dey, FF-Ross Burnside,
FF- Shawn Quinn, EMT-Alexis Ridley

Years of Service Pins:

40 Years: Ronald Ridley

35 Years: Stanley Wakild

25 Years: Paul Quinn

20 Years: Brandon Hinz

10 Years: Brian Montgomery, Patrick Quinn, Timothy Quinn

5 Years: Matthew Russell, Willie Wright, Ronald Washegesic, Johanna Quinn
Steven Cavadas

Citation Bars:

Firefighter 2: Matthew Dey, Ross Burnside, Shawn Quinn

Haz-Mat Operations: Matthew Dey, Ross Burnside, Shawn Quinn

Fire Officer 2: Steven Cavadas

Honor Guard: Johanna Quinn

EMT Basic: Roseanna Fox, Alexis Ridley

EMR: Shawn Quinn, Brian Horan Sr.

Veteran: Ross Burnside, Rex Haner

Fire Fighters Finishing Up Training:

Fire Fighter 1 & 2: James Messersmith

Paramedic: Steven Cavadas

SHAES Leadership Award: James D Quinn

SHAES Firefighter of the Year Award: Paul Quinn

2019 BUDGET INFORMATION

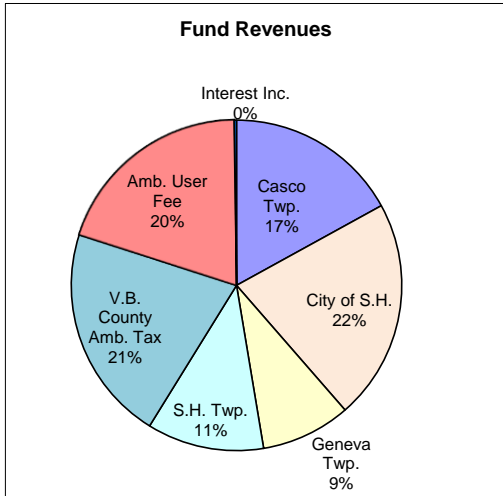
Revenues

Funding Sources:

	Amount	Budget Percentage
Casco Township	\$471,768.00	16.99%
City of South Haven	\$599,949.00	21.61%
Geneva Township	\$243,595.00	8.77%
South Haven Township	\$317,757.00	11.45%
Van Buren County Ambulance	\$586,859.00	21.14%
Ambulance User Fees	\$550,000.00	19.81%
Interest Income	\$6,500.00	0.23%
TOTAL	\$2,776,428.00	100.00%



Mutual Aid Drill in Downtown South Haven



Teamwork Drill

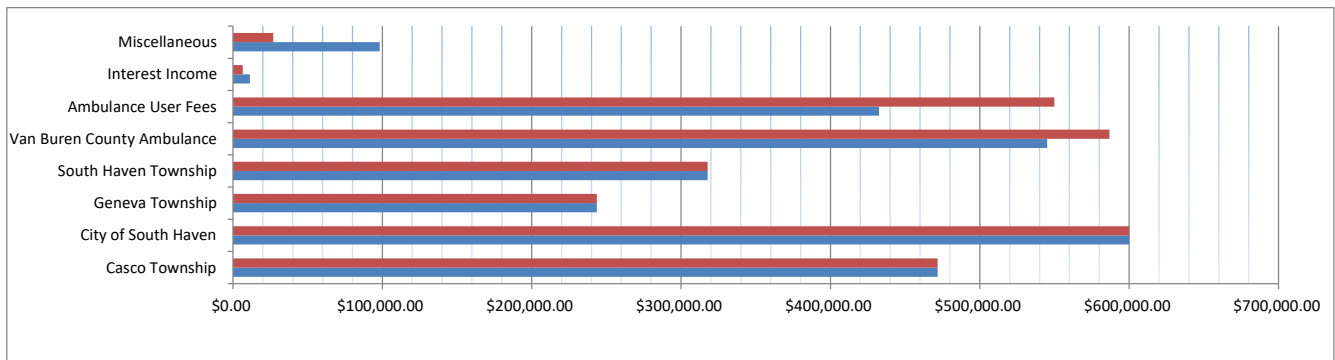
BUDGET INFORMATION Actual "vs" Budget Revenue for 2019

Funding Sources:

	Actual Revenue	Budgeted Amount
Casco Township	\$471,768.00	\$471,768.00
City of South Haven	\$599,949.00	\$599,949.00
Geneva Township	\$243,595.00	\$243,595.00
South Haven Township	\$317,757.00	\$317,757.00
Van Buren County Ambulance	\$545,114.00	\$586,859.00
Ambulance User Fees	\$432,615.00	\$550,000.00
Interest Income	\$11,340.00	\$6,500.00
Miscellaneous	\$98,316.00	\$27,000.00
TOTAL	\$2,720,454.00	\$2,803,428.00



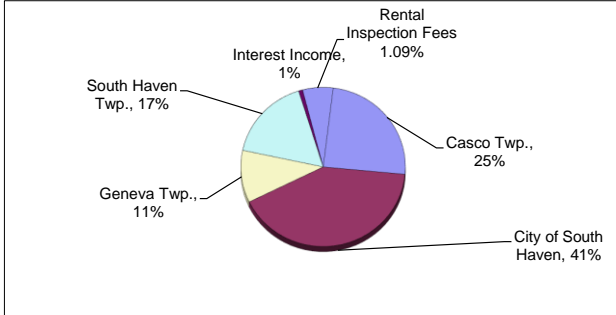
Working with Fox 17 News During Mutual Aid Drill



2019 FIRE & AMBULANCE REVENUE BUDGET

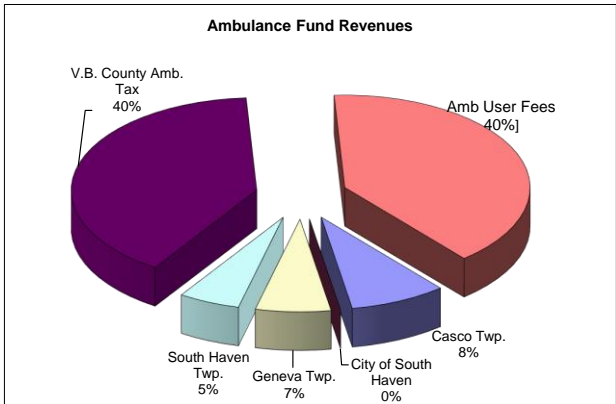
Fire Funding Sources:	Amount	Budget Percentage
Casco Township	\$356,525.00	24.53%
City of South Haven	\$599,949.00	41.28%
Genava Township	\$154,050.00	10.60%
South Haven Township	\$244,521.00	16.82%
Interest Income	\$11,340.00	0.78%
Rental Inspection Fees	\$87,000.00	5.99%
TOTAL	\$1,453,385.00	100.00%

Fire Fund Revenue



Ambulance Funding Sources:	Amount	Budget Percentage
Casco Township	\$115,243.00	8.43%
City of South Haven	\$0.00	0.00%
Geneva Township	\$89,545.00	6.55%
South Haven Township	\$73,237.00	5.36%
Van Buren County Ambulance Tax	\$545,114.00	39.86%
Ambulance User Fees	\$544,354.00	39.81%
TOTAL	\$1,367,493.00	100.00%

Ambulance Fund Revenues



FirePrevention Week



Fire Safety Fun Fair



SHAES Honor Guard



Funeral for Retired Lieutenant David Henry



Hero Walk at Relay for Life

2019 - Apparatus Miles Driven

Fire Trucks:	Miles	Percentage	Percentage
Engine 1	1,057	6.47%	
Engine 2	1,363	8.35%	
Engine 3	1,706	10.45%	
Tower 1	249	1.53%	
Ladder 1	663	4.06%	
Rescue 1	1,058	6.48%	
Truck 3	3,129	19.17%	
Truck 4	108	0.66%	
Truck 5	4,852	29.72%	
Tanker 6	479	2.93%	
Tanker 7	728	4.46%	
Tanker 8	935	5.73%	
Total	16,327	100.00%	19.86%
Ambulances:			
Squad 1	5,119	19.70%	
Squad 2	2,384	9.18%	
Squad 3	389	1.50%	
Squad 4	18,092	69.63%	
Total	25,984	100.00%	31.61%
Command Vehicles:			
Command 1	11,455	28.71%	
Command 2	10,731	26.90%	
Inspector - Explorer	8,441		
Inspector - Fusion	2,355		
Dodge Van	6,915	17.33%	
Total	39,897	72.94%	48.53%
Grand Total	82,208		100.00%



Working as a Team



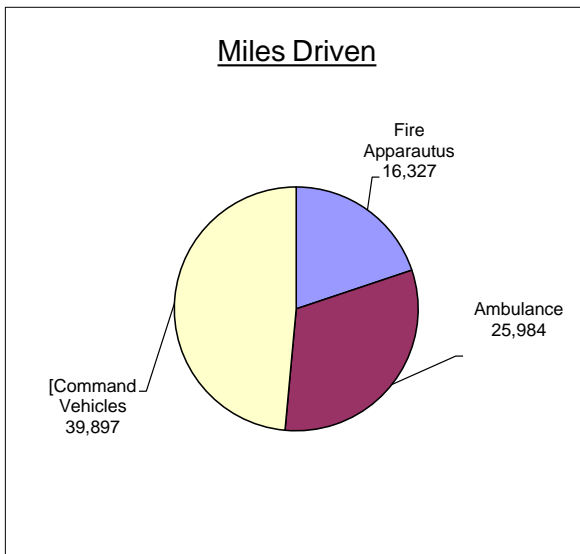
Having Fun while Training

2019 Miles Driven

	Miles	Percentage
Fire Apparatus	16,327	22.60%
Ambulances	25,984	33.30%
Command Vehicles	39,897	44.10%
Total Miles Driven	82,208	100.00%



Ladder 1



Fire Safety Fun Fair



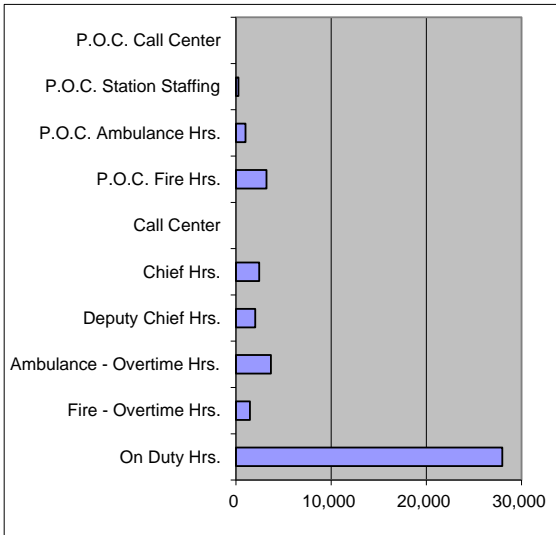
South Beach Call for Assistance



Structure Fire City of South Haven

Personnel Hours - 2019

Description:	Payroll Hours		Three Yrs. Average Hours		Description:	Payroll Hours	
	Hours	Percentage	Hours	Percentage		Hours	Percentage
On Duty Hrs.	27,990	66.52%	30,275	66.85%	On Duty Hrs.	27,990	
Fire - Overtime Hrs.	1,464	3.48%	1,307	2.89%	Fire - Overtime Hrs.	1,464	
Ambulance - Overtime Hrs.	3,664	8.71%	2,849	6.29%	Ambulance - Overtime Hrs.	3,664	
Deputy Chief Hrs.	2,028	4.82%	1,902	4.20%	Deputy Chief Hrs.	2,028	
Chief Hrs.	2,451	5.83%	2,442	5.39%	Chief Hrs.	2,451	
Call Center	0	0.00%	295	0.65%	Call Center	0	
P.O.C. Fire Hrs.	3,212	7.63%	3,431	7.58%	P.O.C. Fire Hrs.	3,212	
P.O.C. Ambulance Hrs.	1,005	2.39%	1,093	2.41%	P.O.C. Ambulance Hrs.	1,005	
P.O.C. Station Staffing	265	0.63%	438	0.97%	P.O.C. Station Staffing	265	
P.O.C. Call Center	0	0.00%	1,257	2.78%	P.O.C. Call Center	0	
Total Hours for the Year	42,079	100.00%	45,289	100.00%	Total Hours for the Year	42,079	



Fire Academy Class



Fire Safety Fun Fair



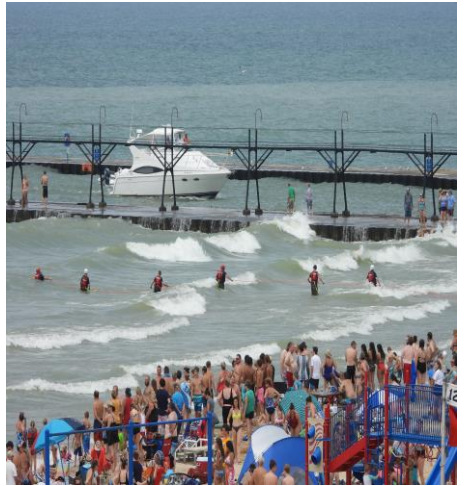
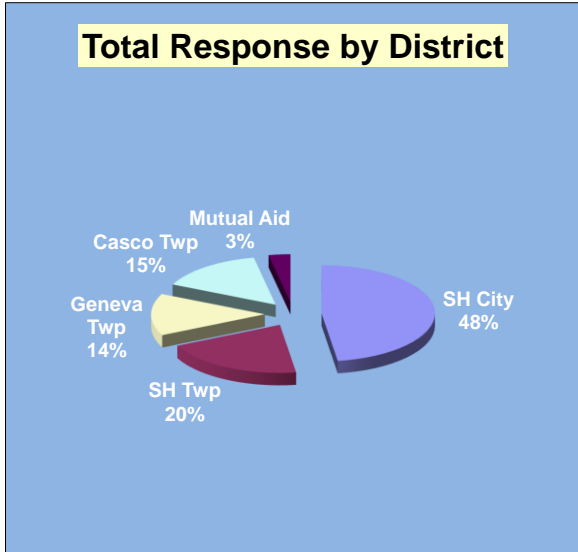
Cleaning Up after Structure Fire

2019 Fire & Medical Responses

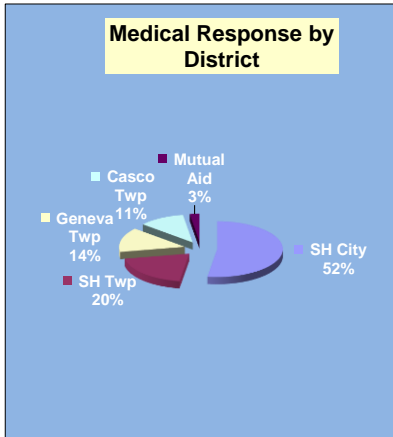


Monroe Blvd Water Rescue

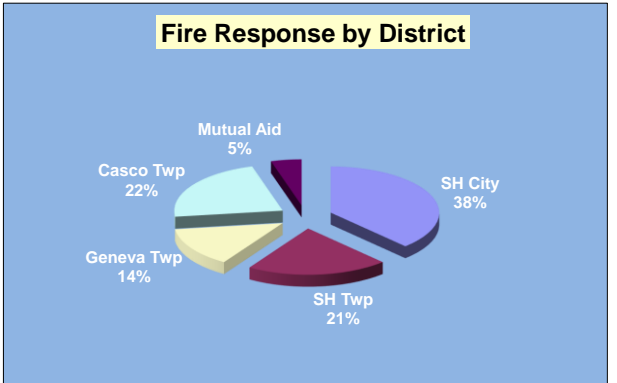
Total Calls by City & Township			
	Total	Amb	Fire
SH City	1,036	770	266
SH Twp	437	289	148
Geneva Twp	306	209	97
Casco Twp	325	167	158
Mutual Aid	67	35	32
Total	2,171	1,470	701



South Beach Water Rescue

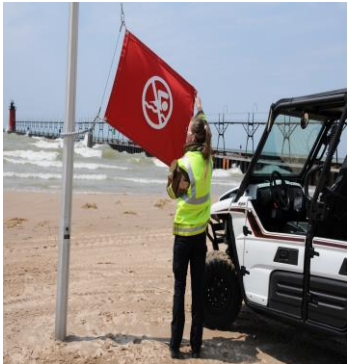
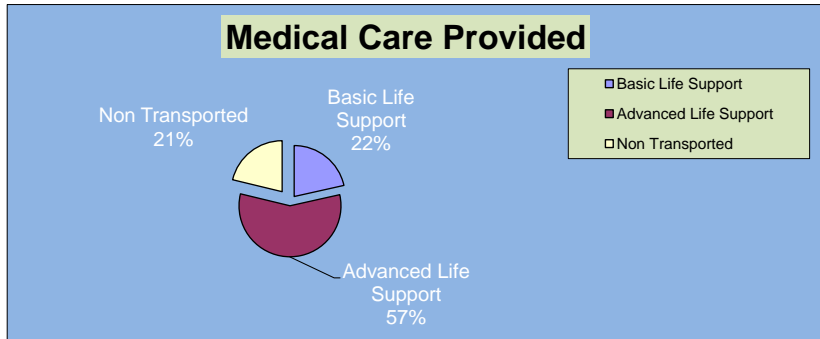


Preparing for Fire Attack



Medical Care Provided

Basic Life Support	316
Advanced Life Support	842
Non Transported	312
Total	1,470



SHAES Beach Flag Summer Intern



Drafting Water from River



Training to Sharpen Skills



FF of Year and Leadership Award



Swearing in New Recruits



Stop the Bleed Kits

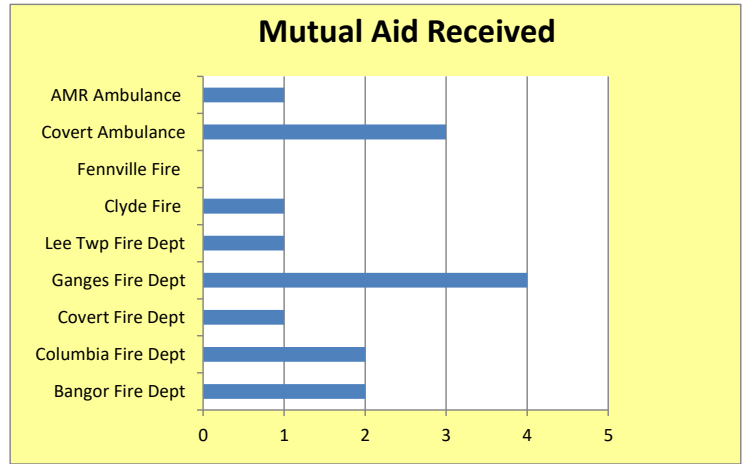
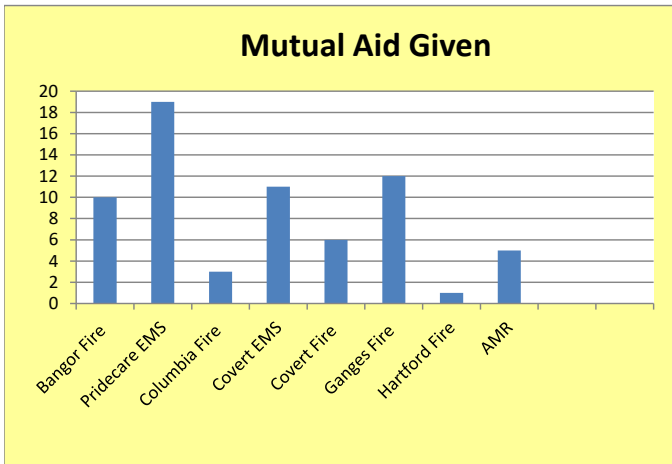
2019 Mutual Aid Given and Received

Given	
Bangor Fire	10
Pridecare EMS	19
Columbia Fire	3
Covert EMS	11
Covert Fire	6
Ganges Fire	12
Hartford Fire	1
AMR	5

Received	
Bangor Fire Dept	2
Columbia Fire Dept	2
Covert Fire Dept	1
Ganges Fire Dept	4
Lee Twp Fire Dept	1
Clyde Fire	1
Fennville Fire	0
Covert Ambulance	3
AMR Ambulance	1



July 4 Parade



I-196 Casco Township



Pier Safety Equipment Inspection

2019 Estimated Structure Fire Loss

	Property Value:	Property Loss:	Property Saved:	Percent Lost:	Percent Saved:
South Haven City	\$676,300	\$148,050	\$528,250	22%	78%
South Haven Twp	\$377,500	\$133,100	\$244,400	36%	64%
Geneva Township	\$270,000	\$142,122	\$127,878	53%	47%
Casco Township	\$708,000	\$664,000	\$44,000	94%	6%
Total:	\$2,031,800	\$1,087,272	\$944,528	54%	46%

2019 Injuries

	Injuries	Deaths
Civillian	0	0
Firefighter (in Station)	1	0
Firefighter (Training)	0	0
Firefighter (Emergency Scene)	2	0
Total:	3	0

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.

EMS Incident Type	SH City	SH Twp	Geneva Twp	Casco Twp	Total:
Abdominal Pain	26	11	6	1	44
Altered Level of Consciousness	36	15	5	4	60
Asthma	2	3	4	3	12
Auto Accidents	13	20	10	14	57
Psychiatric	13	13	3	4	33
Cardiac Arrest	11	3	7	4	25
Chest Pains	30	14	14	3	61
Diabetic	17	5	9	4	35
General Illness	40	1	1	9	51
Obvious Death	8	5	5	1	19
Poisoning/ Overdose	9	5	4	6	24
Seizure	17	7	6	2	32
Stroke/CVA	13	5	4	2	24
Fainting	35	9	8	10	62
Trauma	100	54	28	30	212
Respiratory Distress	15	7	4	1	27
Pregnancy	2	0	0	0	2
Other	361	98	83	58	600
Cancelled Enroute	22	14	8	11	55
Total:	770	289	209	167	1435

	2019	2019	2019	2019
Fire Incident Type	SH City	SH Twp	Geneva Twp	Casco Twp
Structure Fires	5	8	3	3
Vehicle Fires	4	6	4	9
Vegetation Fires	0	7	10	14
Hazardous Materials	27	25	9	13
Water Rescues	9	0	0	0
Service Calls	69	33	16	45
Fire Alarms	39	16	3	20
Vehicle Accidents	11	17	9	5
Downed Power Lines	14	6	12	8
Dispatch/Cancelled	41	27	9	24
Other	47	3	22	17
Total Fire Calls	266	148	97	158



Mutual Aid Training with Bangor Fire Dept



Auto Accident I-196 South Haven Township



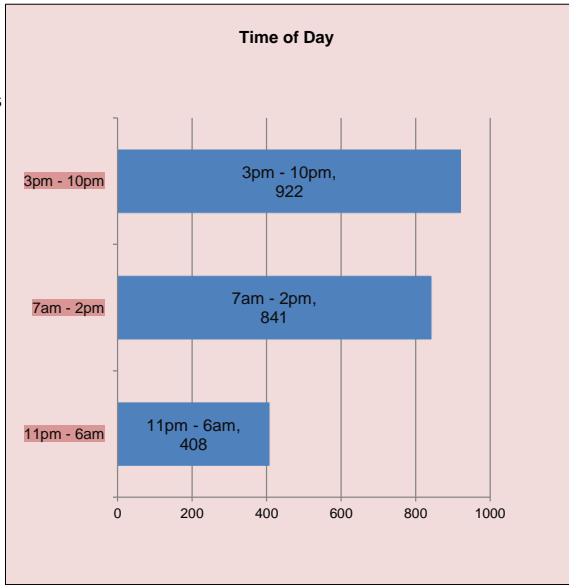
Bringing Santa to Town



Honorary Grand Marshal Tony Marsala

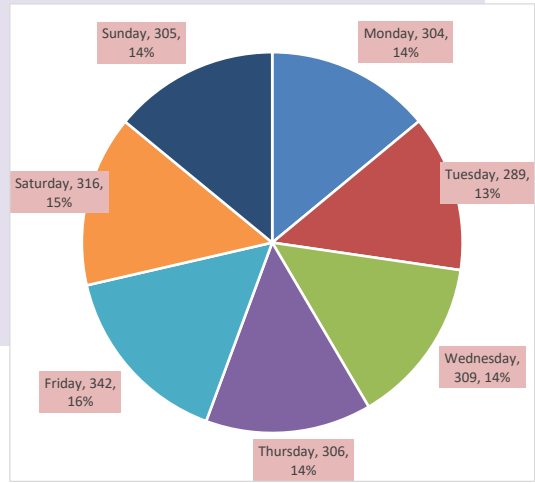
2019 Time of Day for Alarm

11pm - 6am	408
7am - 2pm	841
3pm - 10pm	922
Total	2,171

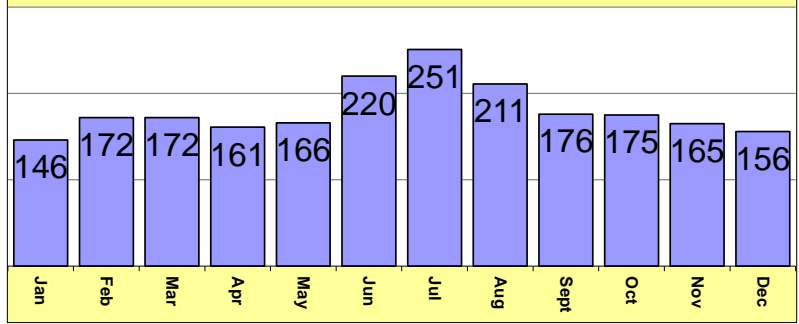


Day of the Week

Monday	304
Tuesday	289
Wednesday	309
Thursday	306
Friday	342
Saturday	316
Sunday	305
Total	2,171



2019 Monthly Calls



South Haven Sesquicentennial Celebration



Ice Rescue Training

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
2019	146	172	172	161	166	220	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)

2019	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



Car vs Building, South Haven Township

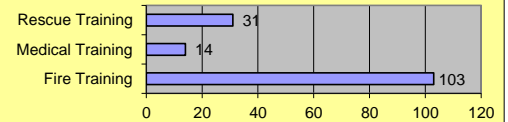
Average response times for specific types of incidents

	SH City	SH Twp	Geneva Twp	Casco Twp	SHAES Authority
Structure Fires	4 Minutes	7 Minutes	9 Minutes	7 Minutes	6 Minutes
Vehicle Fires	5 Minutes	4 Minutes	4 Minutes	7 Minutes	5 Minutes
Woods/Grass Fires	N/A	8 Minutes	9 Minutes	8 Minutes	8 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

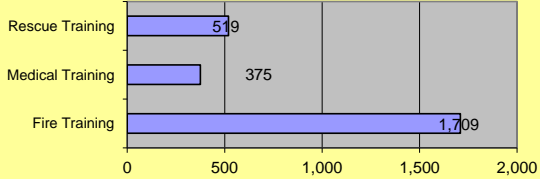
2019 Training

	Staff Hours	Classes
Fire Training	1,709	103
Medical Training	375	14
Rescue Training	519	31
Total	2,603	148

Number of Training Classes



Training Hours



Auto Accident, Geneva Township



Ice Rescue Training with Bangor Fire Dept



Ventilation Roof Training

Fire Inspection Division

Short Term Rental Inspections completed

City of South Haven 620

Casco Township 24

Total: 644

Knox Box Inspections and Repairs: 50

Special Event Vendor Inspections: 45

Fire Safety Inspections: 155

Fire Hydrant Flow Test: 8

Sprinkler System Flow Test: 4

Fire Panel System Test: 6

Business Occupancy Inspections: 5



Inspecting New Construction



Retirement Proclamation for Tony Marsala



Inspecting Fire Suppression Systems



Knox Box Inspection & Key Verification



Inspecting Commercial Hood System



Inspecting Fire Safety Equipment



Structure Fire, Columbia Twp Mutual Aid



Pancake Breakfast Fundraiser



Grain Dryer Fire, Casco Twp



Structure Fire, Casco Twp



Structure Fire, Casco Twp



Working Together



Grass Fire, Casco Township



Thanksgiving Day Grain Dryer Fire



Truck Accident, South Haven Township