South Haven Area Emergency Services Authority

2014 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 2014 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 program.

During the past year, our department has seen the following:

- 2014 call volume surpassed 2,200 calls for service which has increased 28% over the last four years. Our 2011 call volume was 1,647 calls for service
- Albemarle Corporation continues to support our department such as with a recent $10,000 donation for three new Toughbook computers for our emergency medical reporting requirements.
- 12 Lead simulator and mannequin was purchased with grant funds from Entergy
- New stair stepper and cardio-rower was purchased with grant funds from Entergy
- SHAES moved back in to a $2 million dollar renovated station #3
- SHAES began transporting critically ill patients out of town to appropriate hospitals
- SHAES began transporting OB patients out of town after the local OB department closed
- Purchased three cardiac monitors that will transmit EKG's to local and distant hospitals
- SHAES participated in the Palisades Nuclear Plant table top disaster drill that was graded by the Federal Emergency Management Agency and the Nuclear Regulatory Commission
- Staff continues to test 11,750 feet of fire hose annually
- Firefighter Donald Quinn retired after 20 years of dedicated service
- SHAES staff continues 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

* 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

2015 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 2015

Wednesday	January 7	8AM
Wednesday	February 4	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 and Public Education

South Haven Area Emergency Services strives to promote safety through education.

Once again firefighters were asked to visit Baseline 6th grade camp held at Camp Warner. Firefighters talked with 180 students about the importance of having an escape drill and fire safety plan. Students were also introduced to the use of fire extinguishers, instructed on the fundamentals and then given practical experience of putting out a live fire on the Bullex Simulator (provided by the Albemarle Foundation).

Firefighters visited 5 elementary schools and 5 nursery schools this year to teach 1,321 students how to Stop-Drop-Cover & Roll, EDITH (Exit Drills In The Home), how to dial 911, what to say to dispatchers, to never go back into a burning building and keeping matches and lighters out of reach of younger children by telling an adult.

Firefighters visited two elderly housing complexes to provide fire safety education to 50 tenants.

Through all our presentations at schools, local businesses, elderly housing and in station tours 1,700 people were presented with education to promote safety. Firefighter's spent 303 hours providing fire safety education to the children and adults in this community. This was all accomplished with the help of donations from local businesses. Twenty-one local businesses donated $3,300.00 that helped purchase fire safety handouts for the schools.

We greatly appreciate the support of our local businesses for fire safety education to the citizens of the South Haven area. Meijer donated a $1,000 gift card to SHAES that was used to purchase smoke detectors that were given to We-Care Inc. to help out families in need in our community.

2014 SHAES Recognitions

New Firefighters: David Stuart, Levi Warren, Matthew Russell, Andrew Biederman

Years of Service Pins:

35 Years: David Henry

30 Years: Stan Wakild

20 Years: Paul Quinn

15 Years: Brandon Hinz, Tim McGee

5 Years: Brian Montgomery, Kristina Henry, Patrick Quinn

Citations Bars:

EMT-Basic: Levi Warren, Steve Cavadas

EMT-Paramedic: Johanna Quinn

Firefighter 2: David Stuart, Levi Warren, Matthew Russell, Andrew Biederman

Haz-Mat Operations: David Stuart, Levi Warren, Matthew Russell, Andrew Biederman

Honor Guard: Stan Wakild

Firefighters Completing Training:

Firefighter 1 & 2: Johanna Quinn, Willie Wright, Steve Cavadas, Ronald Washegesic

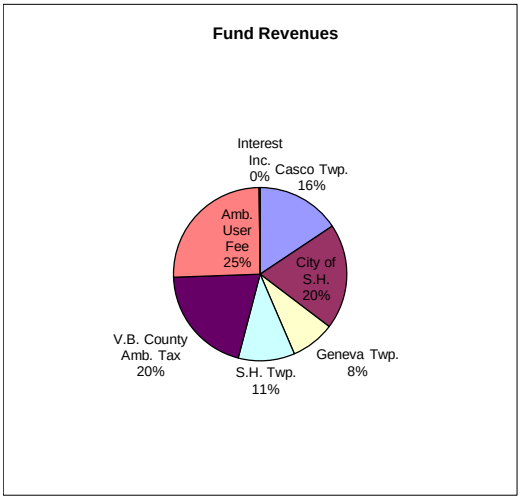
Life Saving Acknowledgements: James D Quinn, Phillip Quinn

SHAES Leadership Award: Thomas Leva

2014 BUDGET INFORMATION

REVENUES

Funding Sources:	Amount	Budget Percentage
Casco Township	$394,729.00	15.64%
City of South Haven	$496,985.00	19.69%
Geneva Township	$207,030.00	8.20%
South Haven Township	$265,927.00	10.54%
Van Buren County Ambulance	$513,833.00	20.36%
Ambulance User Fees	$640,000.00	25.36%
Interest Income	$5,000.00	0.20%
TOTAL	$2,523,504.00	100.00%



2014 Life Saving Award Phillip Quinn

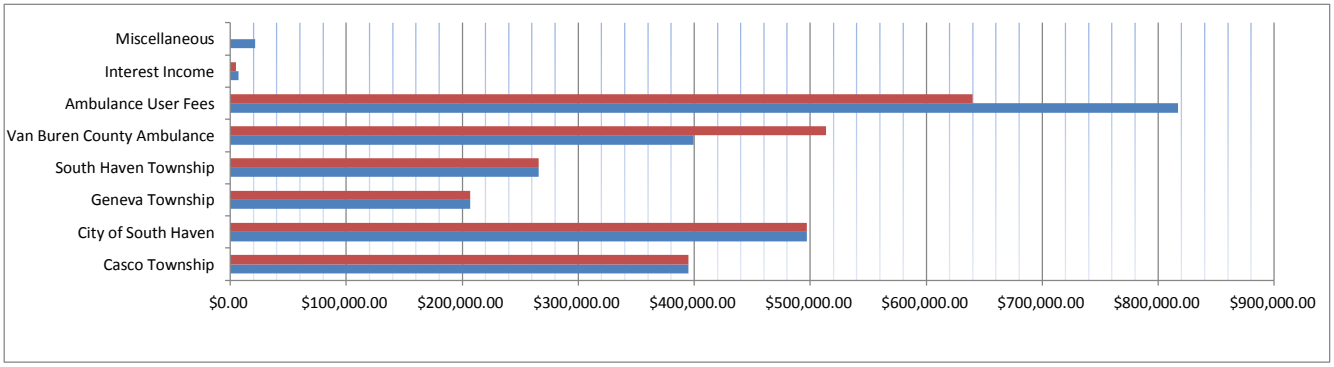
2014 Leadership Award Thomas Leva

BUDGET INFORMATION

Actual "vs" Budget Revenue for 2014

Funding Sources:	Actual Revenue	Budgeted Amount
Casco Township	$394,729.00	$394,729.00
City of South Haven	$496,985.00	$496,985.00
Geneva Township	$207,030.00	$207,030.00
South Haven Township	$265,927.00	$265,927.00
Van Buren County Ambulance	$399,119.00	$513,833.00
Ambulance User Fees	$817,131.00	$640,000.00
Interest Income	$7,279.00	$5,000.00
Miscellaneous	$21,649.00	$0.00
TOTAL	$2,609,849.00	$2,523,504.00

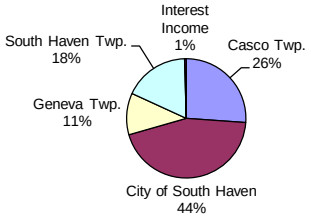
2014
Life Saving Award James D. Quinn



2014 FIRE & AMBULANCE REVENUE BUDGET

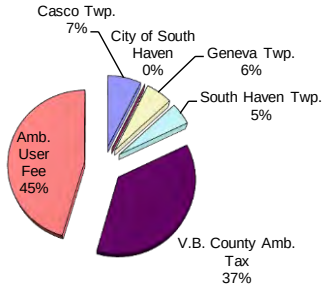
Fire Funding Sources:	Amount	Budget Percentage
Casco Township	$292,121.00	26.12%
City of South Haven	$496,985.00	44.44%
Geneva Township	$126,164.00	11.28%
South Haven Township	$198,059.00	17.71%
Interest Income	$5,000.00	0.45%
TOTAL	$1,118,329.00	100.00%

Fire Fund Revenues



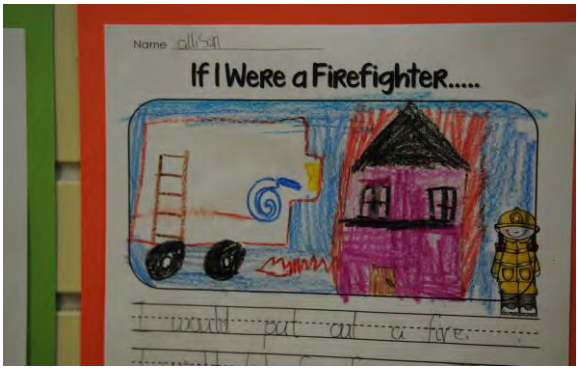
Ambulance Funding Sources:	Amount	Budget Percentage
Casco Township	$102,608.00	7.30%
City of South Haven	$0.00	0.00%
Geneva Township	$80,866.00	5.76%
South Haven Township	$67,868.00	4.83%
Van Buren County Ambulance Tax	$513,833.00	36.57%
Ambulance User Fees	$640,000.00	45.55%
TOTAL	$1,405,175.00	100.00%

Ambulance Fund Revenues



Treating and transporting the sick and injured

All types of weather



Elementary artwork

Classroom training

Handing out candy during 4th of July Parade

2014 - Apparatus Miles Driven

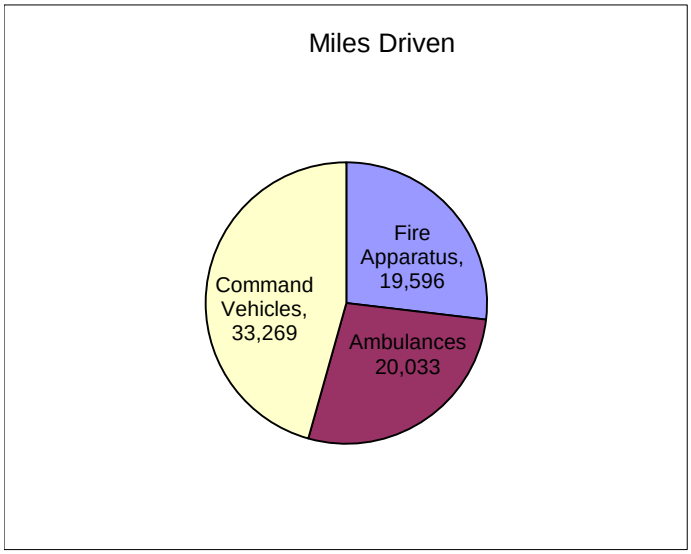
	Miles	Percentage	Percentage
Fire Trucks:			
Engine 1	596	3.04%	
Engine 2	1,314	6.71%	
Engine 3	2,462	12.56%	
Tower 1	144	0.74%	
Ladder 1	1,774	9.05%	
Rescue 1	902	4.60%	
Truck 3	3,705	18.91%	
Truck 4	70	0.36%	
Truck 5	6,278	32.04%	
Tanker 6	608	3.10%	
Tanker 7	774	3.95%	
Tanker 8	969	4.95%	
Total	19,596	100.00%	26.88%
Ambulances:			
Squad 1	14,251	71.14%	
Squad 2	5,247	26.19%	
Squad 3	535	2.67%	
Total	20,033	100.00%	27.48%
Command Vehicles:			
Command 1	14,014	42.12%	
Command 2	8,974	26.97%	
Dodge Van	10,281	30.90%	
Total	33,269	100.00%	45.64%
Grand Total	72,898		100.00%

SHAES staff moved out of job trailers into a newly renovated station

New maintenance bay under construction

2014 Miles Driven

	Miles	Percentage
Fire Apparatus	19,596	26.88%
Ambulances	20,033	27.48%
Command Vehicles	33,269	45.64%
Total Miles Driven	72,898	100.00%



SHAES kitchen and lounge area undergoing renovation

Training to sharpen skills

SHAES fire and water rescue boat

Personnel Hours - 2014

Description:	Payroll Hours	Percentage	Three Yrs. Average Hours	Percentage
On Duty Hrs.	25,986	55.63%	25,843	58.98%
Fire - Overtime Hrs.	1,229	2.63%	1,123	2.56%
Ambulance - Overtime Hrs.	3,520	7.54%	3,060	6.98%
Deputy Chief Hrs.	2,012	4.31%	2,013	4.59%
Chief Hrs.	2,502	5.36%	2,318	5.29%
Call Center	1,888	4.04%	1,517	3.46%
P.O.C. Fire Hrs.	3,119	6.68%	2,760	6.30%
P.O.C. Ambulance Hrs.	1,380	2.95%	846	1.93%
P.O.C. Station Staffing	1,692	3.62%	1,885	4.30%
P.O.C. Call Center	3,383	7.24%	2,451	5.59%
Total Hours for the Year	46,711	100.00%	43,816	100.00%

Discription:	Payroll Hours
On Duty Hrs.	25,986
Fire - Overtime Hrs.	1,229
Ambulance - Overtime Hrs.	3,520
Deputy Chief Hrs.	2,012
Chief Hrs.	2,502
Call Center	1,888
P.O.C. Fire Hrs.	3,119
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P.O.C. Station Staffing	1,692
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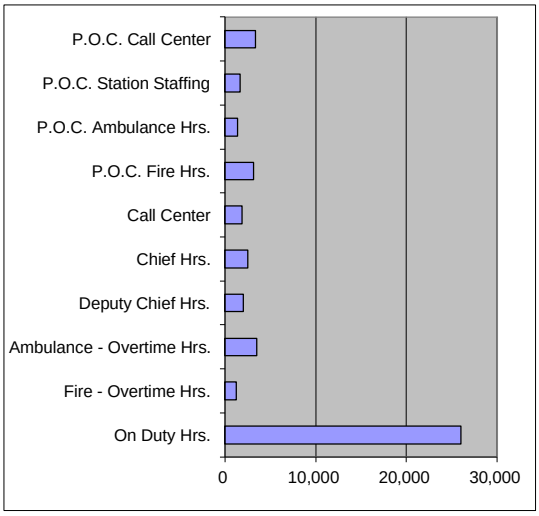


Code Blue call boxes

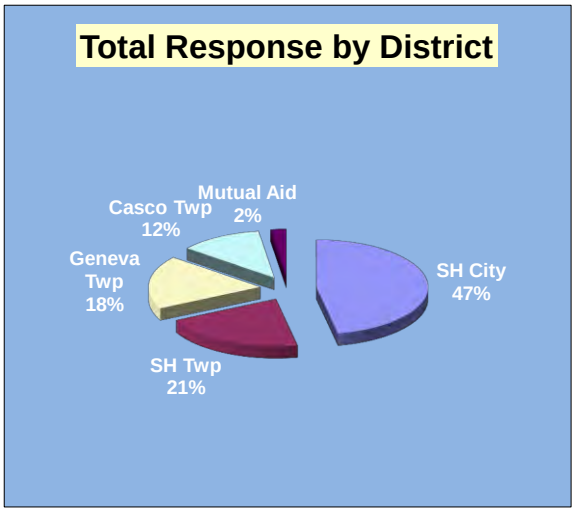
Fire safety fun fair escape drill

SHAES summer intern staff help with daily pier safety equipment check and the beach flag advisory system

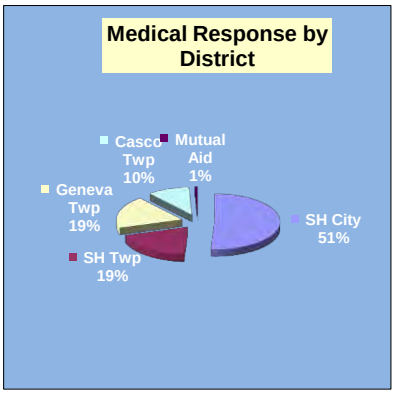
2014 Fire & Medical Responses

Working in very unique situations

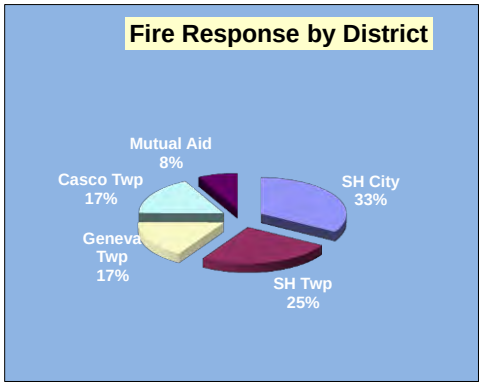
	Total	Amb	Fire
SH City	1038	870	168
SH Twp	457	329	128
Geneva Twp	403	320	83
Casco Twp	265	178	87
Mutual Aid	50	12	38
Total	2,213	1,709	504



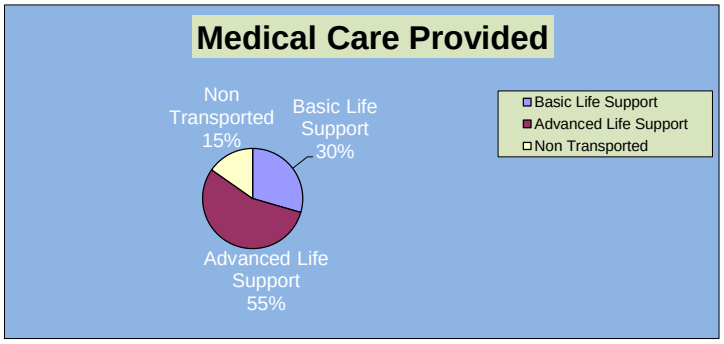
Keeping track of everyone



Rescued puppies from fire



Medical Care Provided	
Basic Life Support	471
Advanced Life Support	882
Non Transported	244
Total	1,561



Fire safety fun fair

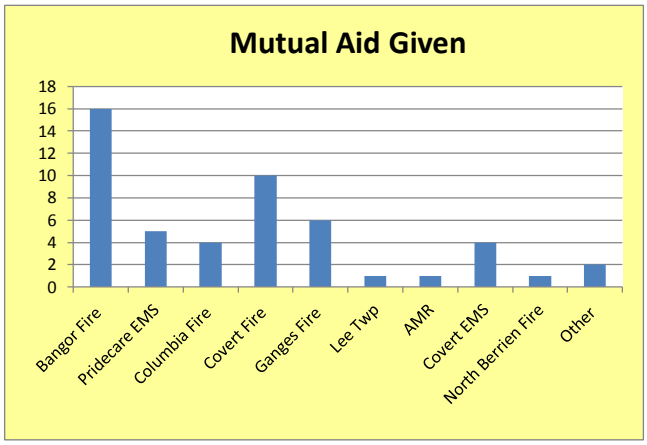
The power of Lake Michigan

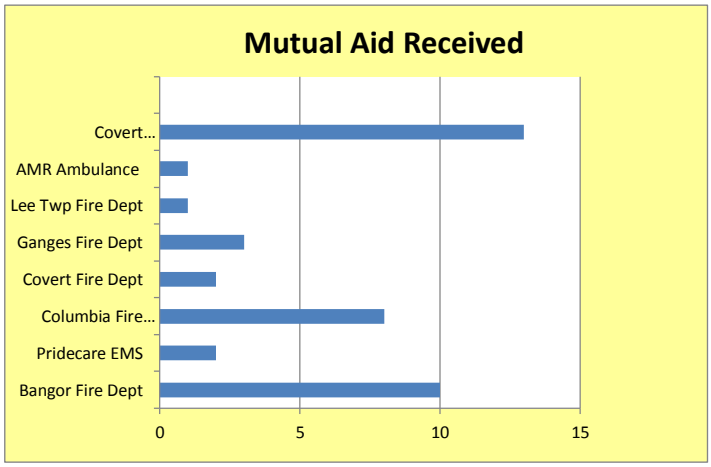
Assisting Bangor Fire Department with structure fire

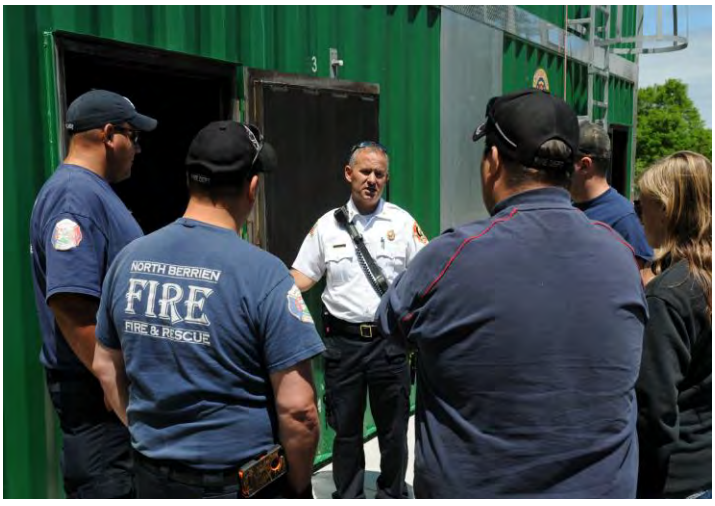
Bangor Fire Chief & SHAES Deputy Chief working together

Mutual Aid Given and Received 2014

Given		Received	
Bangor Fire	16	Bangor Fire Dept	10
Pridecare EMS	5	Pridecare EMS	2
Columbia Fire	4	Columbia Fire Dept	8
Covert Fire	10	Covert Fire Dept	2
Ganges Fire	6	Ganges Fire Dept	3
Lee Twp	1	Lee Twp Fire Dept	1
AMR	1	AMR Ambulance	1
Covert EMS	4	Covert Ambulance	13
North Berrien Fire	1		
Other	2		







SHAES and North Berrien Fire training together

Fire during hot and humid day requires many resouces

2014 Estimated Fire Loss

	Property Value:	Property Loss:	Property Saved:	Percent Lost:	Percent Saved:
South Haven City	$520,000	$2,000	$518,000	1.00%	99.00%
South Haven Twp	$820,000	$206,000	$614,000	25.00%	75.00%
Geneva Township	$605,000	$445,000	$160,000	74.00%	26.00%
Casco Township	$675,000	$26,000	$649,000	4.00%	96.00%
Total:	**$2,620,000**	**$679,000**	**$1,941,000**	**26.00%**	**74.00%**

Fire loss can be minimized by immediately identifying that an emergency exists, calling 9-1-1 and a rapid response by emergency personnel. Most large loss fires went unnoticed for some time before 911 was called which leads to a much larger loss of property.

2014	Injuries	Deaths
Civilian	2	0
Firefighters (in station)	0	0
Firefighters (training events)	1	0
Firefighters (on emergency scenes)	1	0
Total	4	0

Civilian injuries during 2014 included (1) smoke inhalation and (1) burns to face and hands.

Firefighter injuries during 2014 included (1) ankle sprain, (1) slip and fall and (1) dislocated knee during a special event.

SHAES fulltime staff complete a yearly physical assessment to ensure physical competency of the job.

Accident in Geneva Township

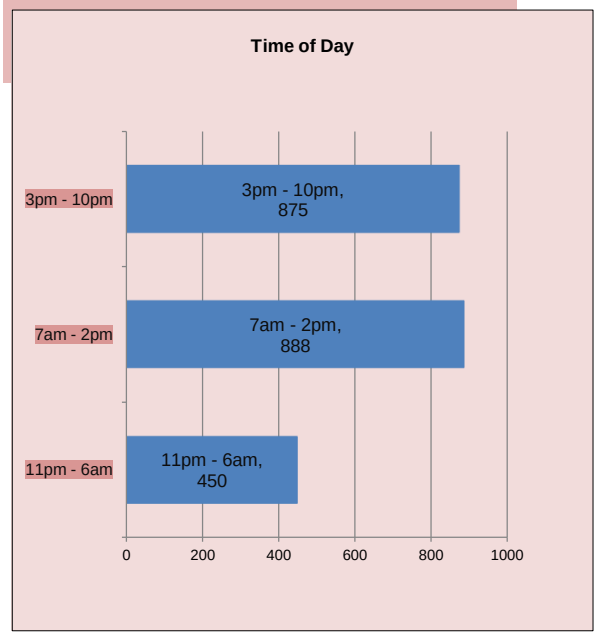
Trailer fire in South Haven Township

Fire prevention in the schools

Sharpening skills at training building

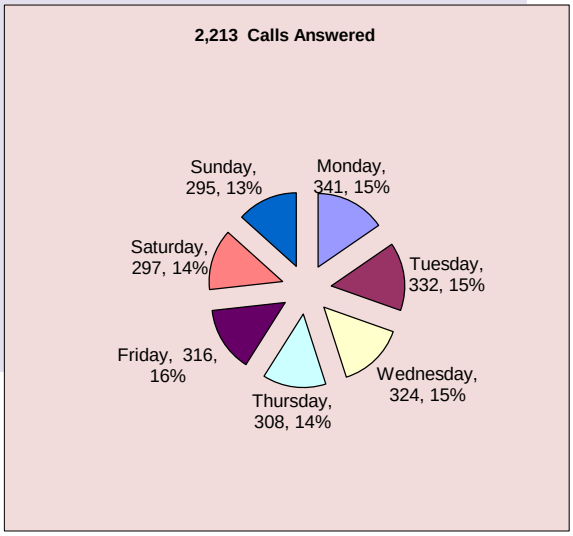
2014 Time of Day for Alarm

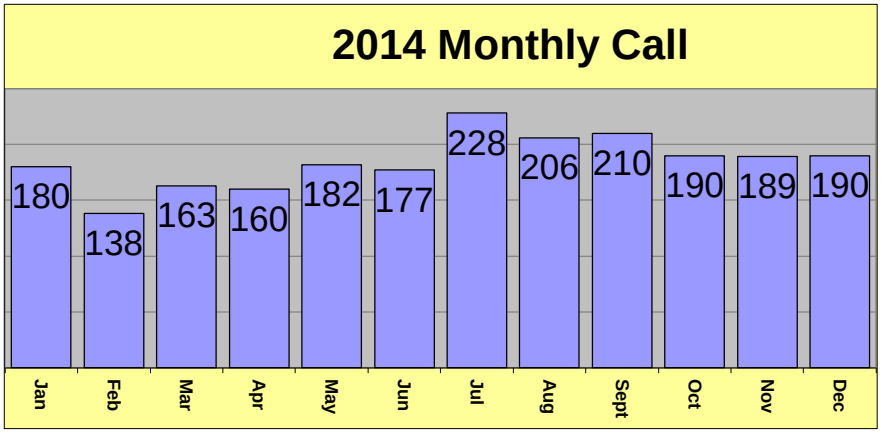
11pm - 6am	450
7am - 2pm	888
3pm - 10pm	875
Total	2,213



Day of the Week

Monday	341
Tuesday	332
Wednesday	324
Thursday	308
Friday	316
Saturday	297
Sunday	295
Total	**2,213**





SHAES honor guard 4th of July parade

Water rescue training

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

2013	Fire	Medical	Total
South Haven City	4 Minutes	4 Minutes	4 Minutes
South Haven Twp	6 Minutes	6 Minutes	6 Minutes
Geneva Twp	10 Minutes	9 Minutes	10 Minutes
Casco Twp	7 Minutes	7 Minutes	7 Minutes
SHAES Authority	7 Minutes	7 Minutes	7 Minutes

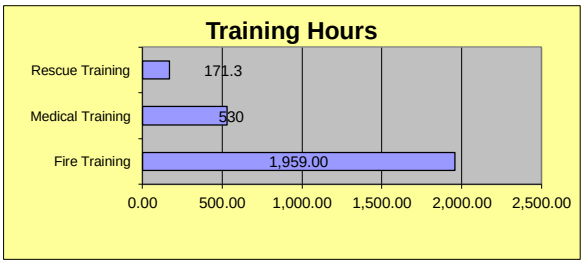
House fire in Geneva Township on CR-687

Average response times for specific types of incidents

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

2014 Training

	Staff Hours		Classes
Fire Training	1,959.00	Fire Training	43
Medical Training	530	Medical Training	20
Rescue Training	171.3	Rescue Training	6
Total	**2,660.30**	**Total**	**131**



Auto accident Blue Star Hwy & M-43

2014 fire prevention with students

Available 24/7 365 days/year

Beach safety messages

Fire extinguisher training at fire safety fun fair

Shuttling water to fight a structure fire

Beach flag program May 15 thru September 15

Firefighter Donald Quinn retired October 2014 after 20 years of service

Searching for lost ultra-lite plane in Casco Township

Stabilizing overturned vehicle training

Attacking structure fire in Geneva Township

Fire combat challenge course

Rotary members touring renovated station #3

Learning when it is safe to burn

Surface water rescue training

Ladder 1 pumping at scene of stucture fire

SHAES & Bangor firefighters working together

Going for gold badge