

WARREN FIRE DEPARTMENT



2013 Annual Report



"... to protect and serve the people of Warren ..."

April 10, 2014



The Honorable James R. Fouts
Mayor

WARREN FIRE DEPARTMENT

23295 Schoenherr
Warren, MI 48089
(586) 756-2800

www.cityofwarren.org

RE: 2013 Annual Report

Mayor Fouts,

The responsibilities of the Fire Commissioner encompass providing an annual report to elected officials as mandated by the City Charter, I hereby submit the Fire Department Annual Report for the year ending December 31, 2013.

During 2013 the fire department responded to 15,512 alarms for the year representing an increase of 539 incidents or a 3.6% increase over 2012 totals. Of these responses 10,828 were emergency medical incidents, which makes up 69.8% of all emergency incidents responded to by the department. Additionally, the department also responded to three hundred twenty-five (325) fire incidents of all types during the year with the remainder of responses classified as general responses and totaling four thousand three hundred fifty-nine (4,359) incidents. Total incident responses for all companies amounted to 29,321 alarms requiring emergency responses from fire apparatus of all types depending upon the type of incident reported and responded to. There were eleven (11) reportable civilian injuries and two (2) civilian fatalities during the year as well as eighteen (18) serious injuries to firefighters resulting in 136 lost duty days from work or 3,222.25 total hours that firefighters were unavailable for assignment as emergency responders.

Estimated fire losses for the year 2013 exceeded \$2.2 million dollars in real property losses and \$1.1 million in personal property losses during the year. There were twenty-three (23) fires where the estimated total real property loss was greater than \$25,000.00, of which six (6) incidents sustained an estimated \$100,000.00 or greater of real property loss. The most significant fire loss during 2013 occurred in a multifamily dwelling in January on El Dorado Plaza with estimated real and personal property losses exceeded \$600,000.00. Two (2) other significant fire incidents during the year that were significant fires included a commercial fire on February 2nd at 8281 Eight Mile with combined real and personal property damages of \$250,000.00 and a fire at Joe Suds restaurant at 13791 Thirteen Mile on June 24th, which sustained \$175,000.00 in combined real and personal property damages.

On a more positive note on May 20, 2013 the department began implementing the Assistance to Firefighter Grant Staffing for Adequate Fire and Emergency Response (AFG - SAFER) grant award with the hiring of the first of eighteen (18) employees who are funded with federal funds for a two (2) year period of performance with the department. With the addition of the SAFER grant funded employees as well as the filling of the ten (10) vacant

positions created by retirements in late 2012 and early 2013 the department was able to right size our staffing level at one-hundred-twenty (120) operations personnel who are available for assignment on a daily basis to maintain all six (6) stations and all apparatus open, in service and operational. The right sizing of the department eliminated the browning out of stations and apparatus that was occurring in previous years while also improving EMS response capability through the addition of two (2) EMS squads that are in service on a near daily basis. Additionally the department also upgraded our medical designation for our Heavy Rescue Truck to a licensed ALS non transporting truck. On the fire side of the equation the SAFER grant funded positions also improved our fire response capability through improved daily minimum staffing, which ensures the department is able to assemble fourteen (14) firefighters on a fire scene within a five (5) minute response window, prepared to implement fire ground operations including rescue of victims, suppression of fire and conservation of real and personal property. With the award of the SAFER grant and the approval of the police and fire millage several years ago departmental staffing of cross trained firefighter / paramedics meets standards established by National Fire Protection Agency (NFPA), governing the number of emergency responders needed to perform all of the tasks to successfully mitigate all of the various types of emergency incidents the department responds to.

As Fire Commissioner I would like to again recognize the men and women of the Warren Fire Department for continuing to uphold the finest traditions of the fire service in a manner, which generates trust by the citizens and business owners of our community in performance of their duties in service to our community. In addition I would also like to recognize the efforts of the administrative staff including the efforts of Deputy Fire Commissioner and Deputy Fire Chief as well as the Command staff directly supervising and directing the workforce. Additionally I would also like to acknowledge the efforts of the secretarial staff whom without their knowledge and dedication in performing the administrative functions, which are critical to ensuring that the Fire Commissioner, command staff and all uniformed personnel are able to accomplish the department's mission of protecting the lives and property of the citizens, business owners and visitors to the great City of Warren Michigan.

I, as well as the entire department, look forward to 2014 and the challenges of continuing to deliver the high level of service to our community as we continue to recover from the great recession. I am extremely confident that the entire workforce will remain up to the challenge of providing the highest level of service expected by the citizens of Warren in the most efficient and cost effective model possible.

Professionally,

A handwritten signature in dark ink that reads "Wilburt McAdams". The signature is written in a cursive, flowing style.

Wilburt McAdams
Fire Commissioner

WARREN FIRE DEPARTMENT

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WARREN FIRE DEPARTMENT

Statements of Purpose

Mission Statement

The mission of the Warren Fire Department is to serve and protect the citizens of Warren and their property by providing a professional response in the areas of Fire Suppression, Emergency Medical Services, Hazardous Materials Incidents, Technical Rescue Incidents, Fire Prevention and Public Service.

Policy Statement

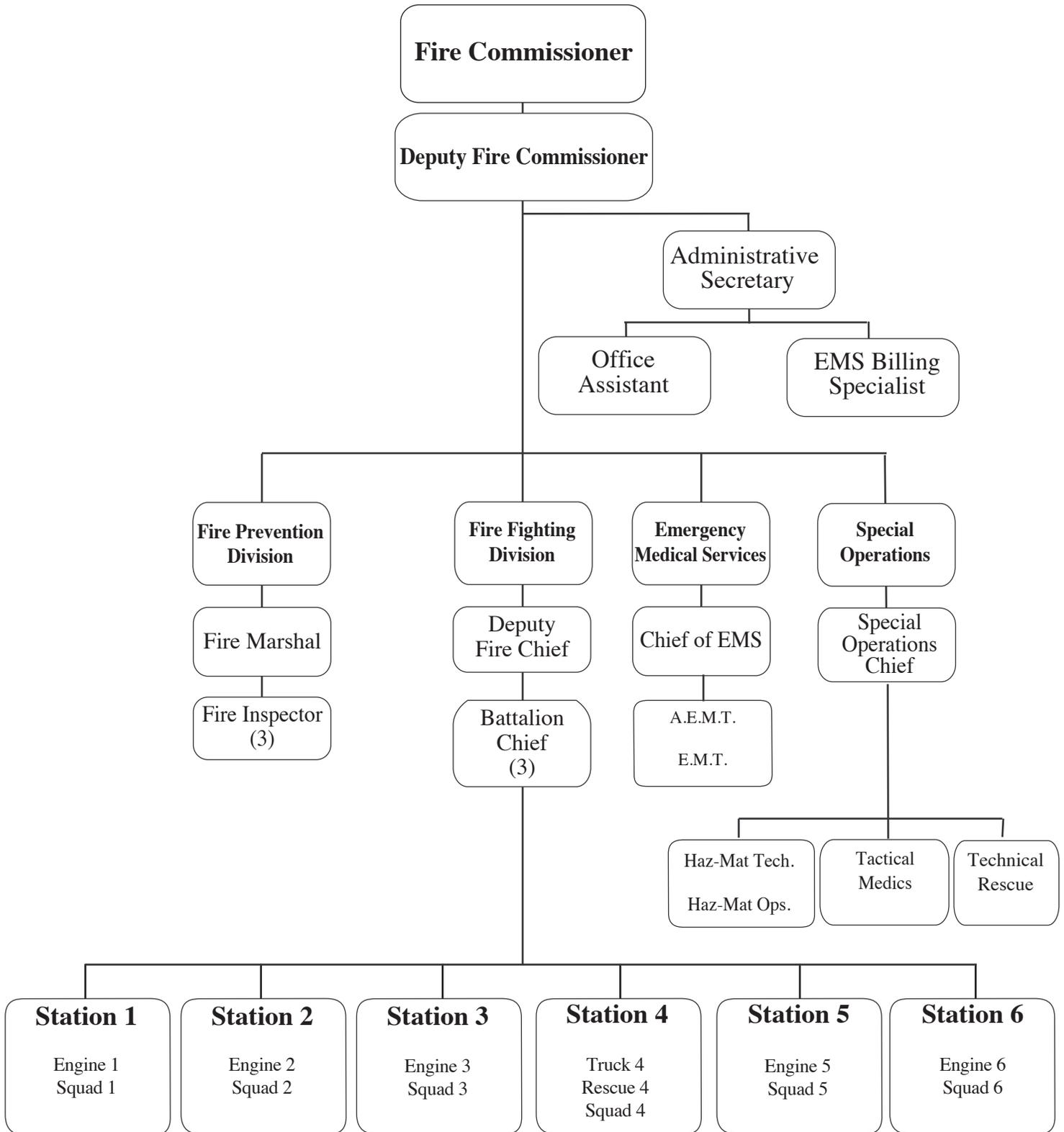
The Warren Fire Department will accomplish its mission by responding to any emergency situation which threatens Life, Safety, or Property. In cases where the Warren Fire Department is not the appropriate agency, is not capable of delivering the needed assistance, or if the situation is not a true emergency, an attempt will be made to place the caller in contact with the appropriate agency. The Warren Fire Department will dispatch the closest available unit or units with the capability to mitigate an emergency situation. The judgement of both dispatch and emergency personnel is an integral part of the decision process.

Values Statement

1. **Service** - We will be responsive to the needs of our community working to provide high quality service in a respectful and courteous manner.
2. **Integrity** - Our actions and decisions will embody honor, ethics, truthfulness and trustworthiness.
3. **Safety** - We will endeavor to create and maintain a safe working environment for the members of our department and the citizens we encounter in our profession.
4. **Teamwork** - We will establish and maintain good working relationships within our department, with our mutual aid partners, and with other agencies we encounter in our service.
5. **Professionalism** - We endeavor to maintain high professional standards as we serve the citizens in our community, City of Warren and the Warren Fire Department through compliance with recognized policies, guidelines, rules and regulations.
6. **Development** - We will grow through high quality training and education on a daily basis, increasing our effectiveness by broadening our professional potential and encouraging future leaders from within our department.

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Organizational Structure - December 31, 2013



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Personnel Changes

Effective January 8, 2013	
Chief of EMS Gregory Wolski	Retired
Lieutenant Mark Schimanski	Chief of EMS
Sergeant Robert Zwierzelewski	Lieutenant
FEO Alan Kitzens	Sergeant
Firefighter Kevin Kane	FEO
Effective March 25, 2013	
Battalion Chief Curt Behnke	Retired
Captain Terry Lamiman	Battalion Chief
Lieutenant Donald Tharrett	Captain
Sergeant Bruce May	Lieutenant
Firefighter Matthew Hotts	Sergeant
Effective April 15, 2013	
Battalion Chief William Miller	Retired
Battalion Chief Robert Gehrke	Retired
Battalion Chief Terry Lamiman	Retired
Fire Inspector Joseph Plotzke	Retired
Captain David Serafin	Retired
Captain James Golem	Retired
Captain Anthony Mastro	Retired
Lieutenant Christian Hartman	Retired
Captain John Lovins	Battalion Chief
Captain Kenneth Meyer	Battalion Chief
Captain Donald Tharrett	Battalion Chief
Lieutenant John Dalton	Captain
Lieutenant Curtis Thrift	Captain
Lieutenant Ronald Jewula	Captain
Lieutenant James Beck	Captain
Lieutenant Steven Sitek	Captain
Lieutenant Paul Sinda	Capain

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Sergeant Orrin Ferguson	Lieutenant
Sergeant Kevin Falkowski	Lieutenant
Sergeant/AEMT Joseph Sharrow, Jr.	Lieutenant
Sergeant Alan Kitzens	Lieutenant
Sergeant Matthew Hotts	Lieutenant
FEO Dean Kirkum	Lieutenant
Firefighter Roger Janas	Lieutenant
Firefighter/AEMT Amy Hart	Sergeant/AEMT
FEO Jeffrey Slone	Sergeant
FEO Patrick Kozlowski	Sergeant
FEO Kevin Kane	Sergeant
Firefighter/AEMT Scott Miller	Sergeant/AEMT
FEO Steven Zanin	Sergeant
Sergeant/AEMT Robert Hensley	Fire Inspector
Firefighter/AEMT Steven Titcombe	FEO
Firefighter/AEMT Steven Perna	FEO
Firefighter/AEMT John Simon	FEO

Effective May 15, 2013

Probationary Firefighter Sean Justman	Hired
Probationary Firefighter Brian Jacobs	Hired
Probationary Firefighter Jason Burcz	Hired
Probationary Firefighter Michael Esper	Hired
Probationary Firefighter Jose Suarez	Hired
Probationary Firefighter Steven Chauvin	Hired
Probationary Firefighter Dane Harvey	Hired
Probationary Firefighter Nicholas Clay	Hired
Probationary Firefighter Paul Sturgill	Hired

Effective May 20, 2013

Probationary Firefighter Eric Szalach	Hired
Probationary Firefighter Todd Jacobs	Hired

Effective June 24, 2013

Probationary Firefighter Scott Holzen	Hired
Probationary Firefighter Michael Owczarek	Hired

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Probationary Firefighter Christopher Lipka	Hired
Probationary Firefighter James Taite	Hired
Probationary Firefighter John Hendricks	Hired
Probationary Firefighter Kurt Nicholas	Hired
Probationary Firefighter Christopher Jenuwine	Hired

Effective June 28, 2013

FEO Kevin Watt	Firefighter
Firefighter/AEMT Jeffrey Whittaker	FEO

Effective July 31, 2013

Probationary Firefighter Joshua Sittaro	Hired
Probationary Firefighter Mark Polley	Hired
Probationary Firefighter Edward Elliott	Hired
Probationary Firefighter Adam Tanis	Hired
Probationary Firefighter Joel Ricketts	Hired
Probationary Firefighter Scott Tackaberry	Hired

Effective August 12, 2013

Sergeant Patrick Kozlowski	Fire Inspector
FEO Alexander Payne	Sergeant
Firefighter Robert Loring	FEO

Effective August 20, 2013

Probationary Firefighter Richard Breen	Hired
Probationary Firefighter Mitchell DeCook	Hired

Effective September 3, 2013

Probationary Firefighter Gregory Ford	Hired
Probationary Firefighter Anthony Salajka	Hired

Effective September 8, 2013

FEO David Sabins	Fire Inspector
Firefighter/AEMT Anthony Valletta	FEO

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Primary Incident Response Report For the Year 2013

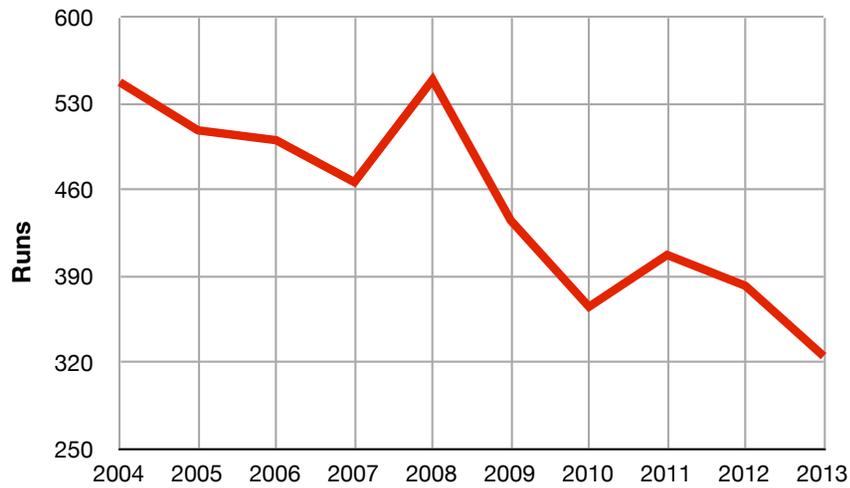
	Eng Co. 1	Eng Co. 2	Eng Co. 3	Eng Co. 5	Eng Co. 6	Truck Co. 4	Rescue Co. 4	Squad 1	Squad 2	Squad 3	Squad 4	Squad 5	Squad 6	Utility 1	Utility 2	Utility 3	Utility 6	EMS Chief	Total
1. Fire, Explosion With Fire, Crash With Fire	74	69	74	51	38	18	1	0	0	0	0	0	0	0	0	0	0	0	325
2. Overpressure, Rupture, Explosion (No Fire)	1	2	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
3. Rescue, Crash (No Fire), Emergency Care	1962	1547	1739	2259	1486	16	627	180	151	212	48	377	222	0	0	0	0	2	10828
4. Hazardous Condition	75	81	96	78	55	13	41	1	0	1	0	0	0	0	0	0	1	0	442
5. Public Service Call	277	300	253	445	286	23	80	18	20	42	3	47	37	1	2	13	0	0	1847
6. Good Intent Call	281	234	223	261	224	19	68	39	26	37	1	36	15	0	0	0	0	0	1464
7. False Alarm	113	90	81	128	82	56	37	0	0	7	0	3	3	0	0	0	0	0	600
8. Other Call	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Responses	2783	2323	2466	3223	2173	145	854	238	197	299	52	463	277	1	2	13	1	2	15512

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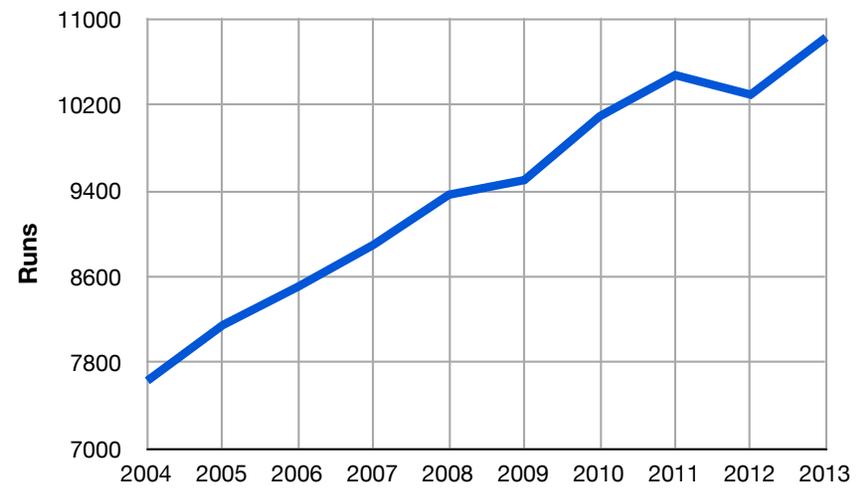
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Statistical Trends of the Last Decade

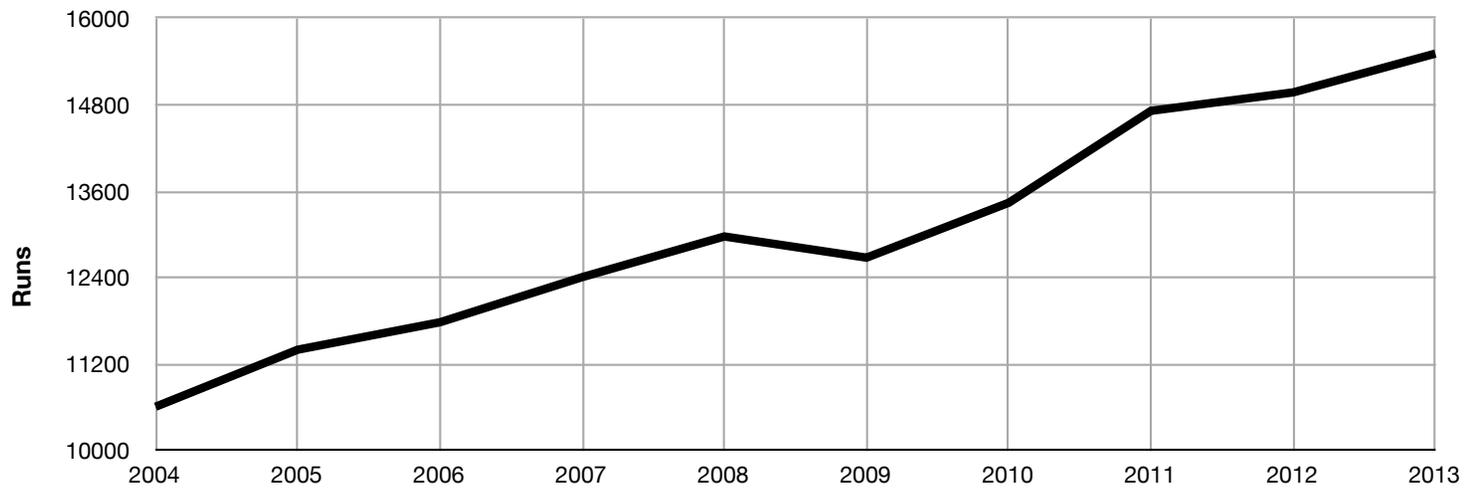
Fires



Medical/Rescue



Annual Totals



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ANALYSIS OF STATISTICS

In 2013 the Warren Fire Department had thirteen apparatus that responded to emergencies within our city and to surrounding communities during times of major incidents. These apparatus are comprised of five engine companies, one ladder truck, one rescue and six squads. In addition, our fleet contains two engines, one squad and one ladder truck in reserve to fill-in for our front line apparatus that are out of service for maintenance or repairs.

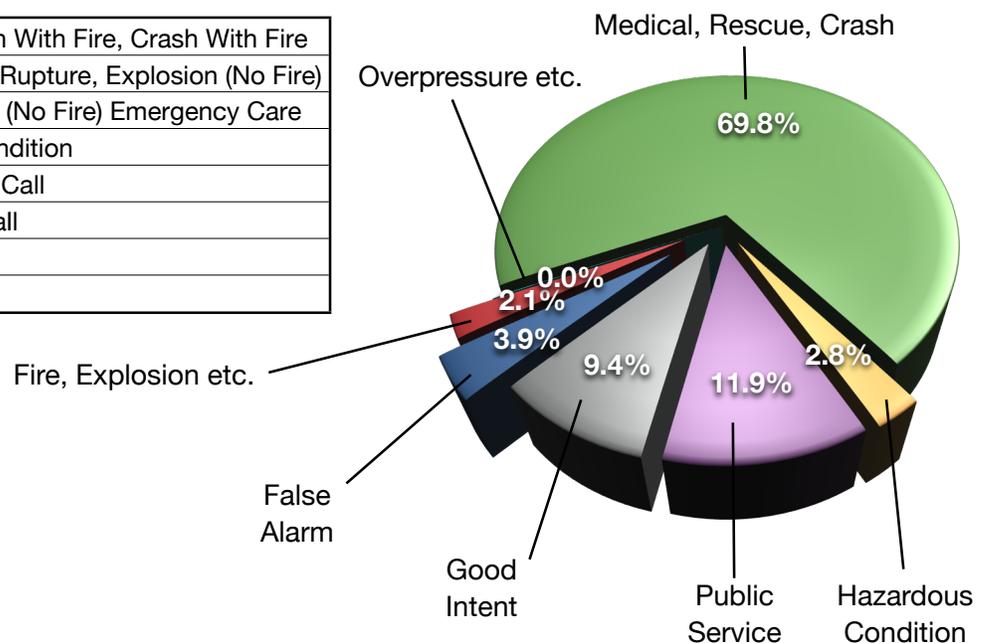
The Warren Fire Department responded to 15,512 incidents in 2013 which represents a 3.6% increase in run volume as compared to 2012. Since some incidents are more severe and require multiple companies, our total company responses for 2013 was 29,321. Overall, our incident totals are up 20% over the past 5 years and 46% over the past decade.

The following pages contain statistical information for the 2013 year. This information has been reported in several ways to provide a more complete and accurate accounting of incident response numbers and times.

Comparison of Primary Incident Types

01/01/2013 - 12/31/2013

325	Fire, Explosion With Fire, Crash With Fire
6	Overpressure, Rupture, Explosion (No Fire)
10828	Rescue, Crash (No Fire) Emergency Care
442	Hazardous Condition
1847	Public Service Call
1464	Good Intent Call
600	False Alarms
0	Other



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RUN TOTALS

Total Incidents.....	15512
Total Fires.....	325
Total Medical/Rescue.....	10828
Other Incidents.....	4359
Total Apparatus Responses..	29321

FIRE RESPONSES PER ENGINE

Engine 1.....	134
Engine 2.....	99
Engine 3.....	96
Engine 5.....	65
Engine 6.....	65

MEDICAL RESPONSES PER ENGINE & RESCUE

Engine 1.....	1967
Engine 2.....	1563
Engine 3.....	1749
Engine 5.....	2280
Engine 6.....	1495
Rescue 4.....	709

RESPONSES BY UNIT

UNIT 1.....	9866
UNIT 2.....	9416
UNIT 3.....	10039

INCIDENTS BY UNIT

UNIT 1.....	5219
UNIT 2.....	4980
UNIT 3.....	5313

TOTAL APPARATUS RESPONSES

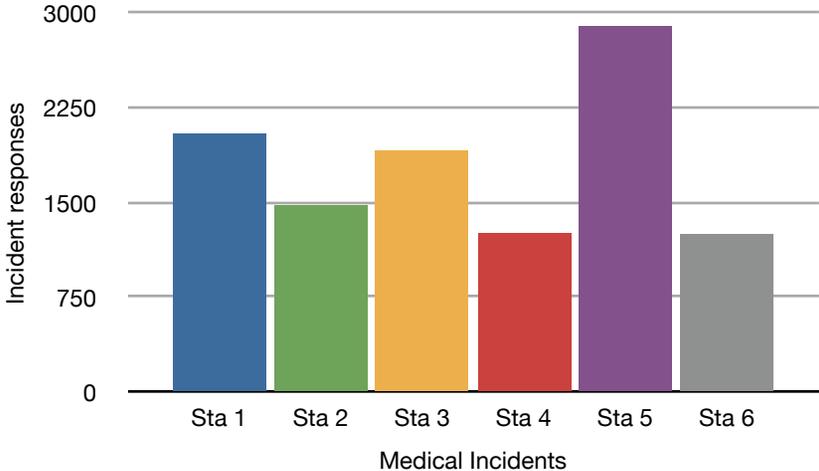
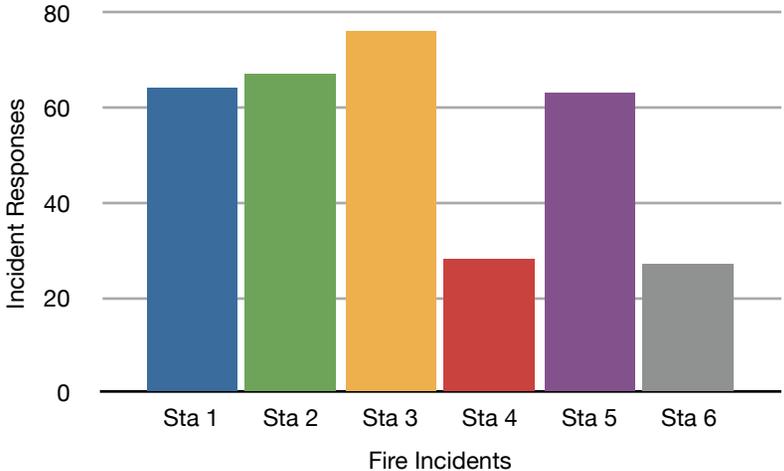
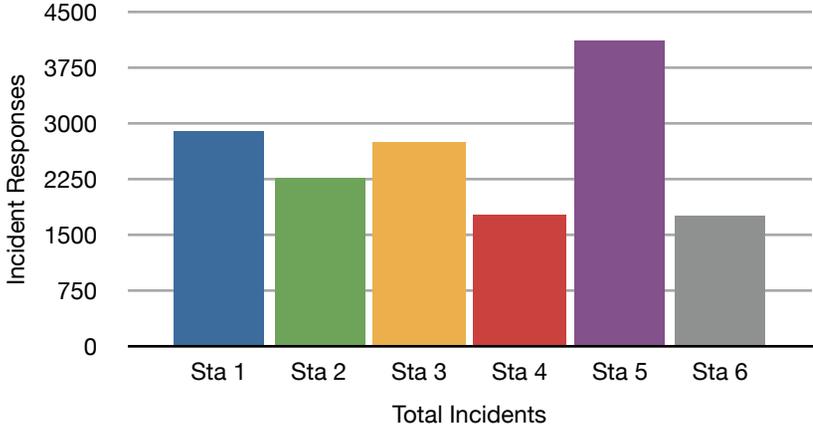
<u>Company</u>	<u>Total</u>	<u>Per Day</u>
Engine 1.....	3029	8.3
Engine 2.....	2488	6.8
Engine 3.....	2646	7.2
Engine 5.....	3369	9.2
Engine 6.....	2388	6.5
Truck 4.....	856	2.9
Rescue 4.....	1311	4.4
Squad 1.....	2109	5.8
Squad 2.....	2465	6.8
Squad 3.....	2676	7.3
Squad 4.....	293	5.0
Squad 5.....	3115	8.5
Squad 6.....	2549	7.0

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Station Run District Responses

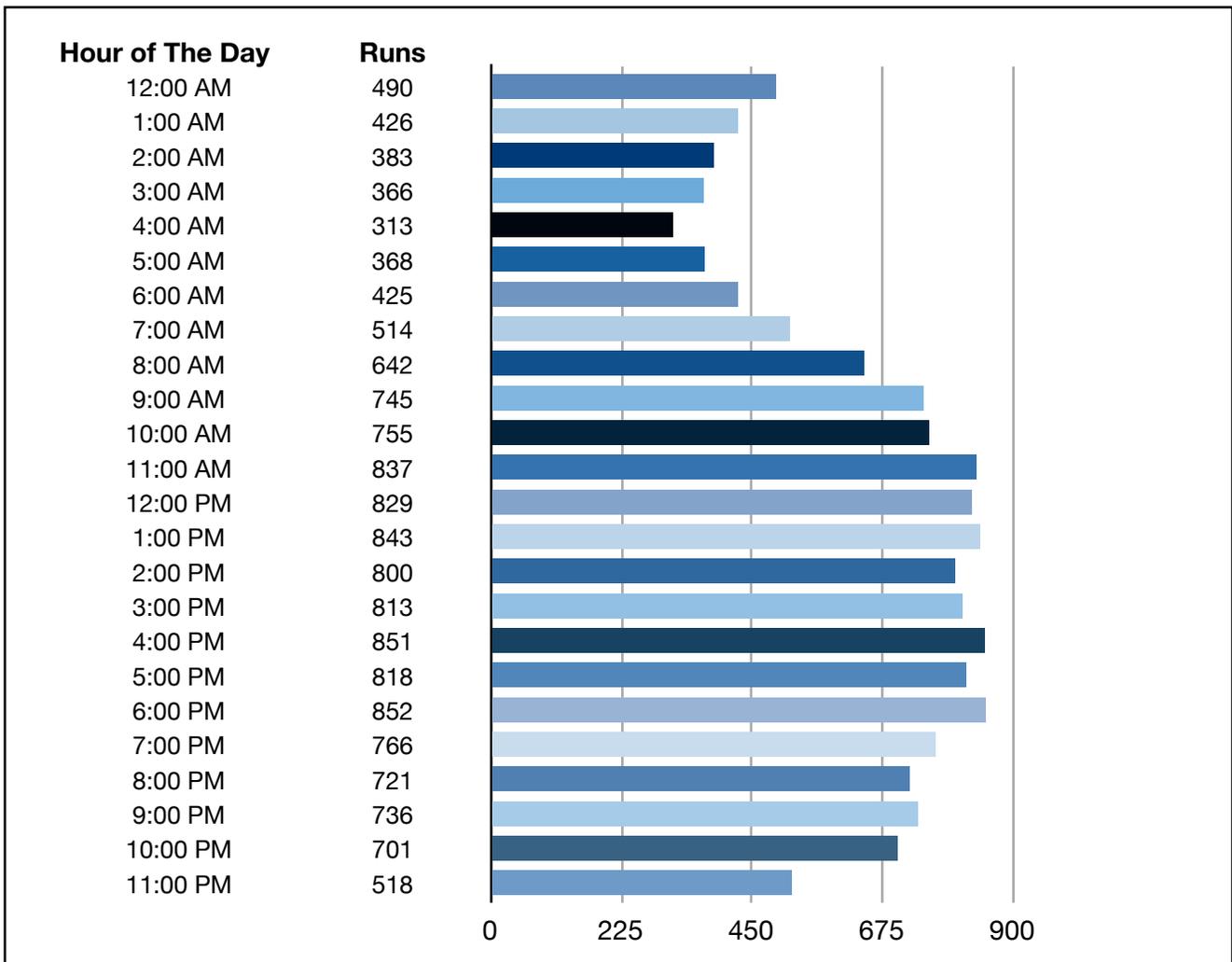
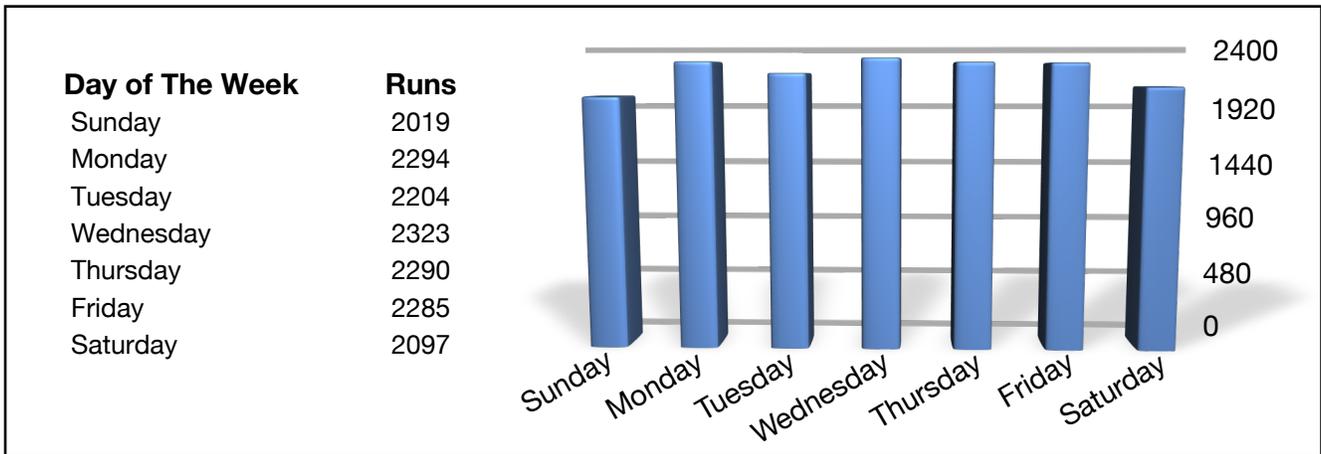


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Incidents By Day of The Week and Hour of The Day

From: 01-01-2013 To: 12-31-2013



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MANPOWER and EQUIPMENT OUT of SERVICE REPORT

Sick, Injured & Leave Time

Category	January	February	March	April	May	June	July	August	September	October	November	December	Total
Sick	39	46	46	45	58	49	36	26	17	14	22	59	457
Workmens Comp	13	0	8	20	5	0	0	14	12	15	33	16	136
Quarter Time	7	18	18	10	9	0	0	0	0	0	0	0	62
Military Leave	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	59	64	72	75	72	49	36	40	29	29	55	75	655

Vacation & Personal Leave

Category	January	February	March	April	May	June	July	August	September	October	November	December	Total
Vacation	42	87	85	94	68	118	155	137	57	41	101	102	1087
Personal Leave	33	12	21	8	5	14	20	27	24	16	22	21	223
Totals	75	99	106	102	73	132	175	164	81	57	123	123	1310

Low Manpower Call-Ins

Category	January	February	March	April	May	June	July	August	September	October	November	December	Total
Call-Ins	25	39	36	93	58	28	10	7	5	10	0	2	313
Totals	25	39	36	93	58	28	10	7	5	10	0	2	313

Number of Apparatus Out of Service

Category	January	February	March	April	May	June	July	August	September	October	November	December	Total
Out of Service	32	39	47	56	54	27	32	13	8	20	20	29	377
Totals	32	39	47	56	54	27	32	13	8	20	20	29	377

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MUTUAL AID REPORT

The Warren Fire Department responded to requests for mutual aid assistance in accordance with standing mutual aid agreements. Aid is rendered or received based on a predetermined matrix that takes into account the requesting agency, the location of the incident and the level of the alarm. First alarm incidents are generally managed within each individual department. The Warren Fire Department entered into a different kind of mutual aid pact with Roseville in 2013 to provide reciprocal EMS transport. During 2013, the Warren Fire Department provided mutual aid eleven times and received mutual aid seven times.

	January	February	March	April	May	June	July	August	September	October	November	December
Rendered	2	0	3	3	0	0	0	1	0	1	0	1
Received	1	1	0	1	0	0	0	2	0	2	0	0
Total	3	1	3	4	0	0	0	3	0	3	0	1

Date	Rendered/Received	City	Equipment	Remarks
January 25	Rendered	Eastpointe	Engine 2	Commercial Fire
January 25	Rendered	Sterling Heights	Engine 5	Medical
January 26	Received	Macomb County	Engines/Truck	Condominium Fire
February 20	Received	Sterling Heights	Engine	Medical
March 5	Rendered	Roseville	Engine 5	Station Fill-in
March 24	Rendered	Harrison TWP	Rescue 4	Commercial Fire
March 25	Rendered	Sterling Heights	Rescue 4	Haz Mat
April 6	Rendered	Centerline	Truck 4	Residential Fire
April 10	Received	Roseville	Engine/Squad	Medical
April 21	Rendered	St. Clair Shores	Engine 2	Station Fill-in
April 21	Rendered	Eastpointe	Engine 2	Commercial Fire
August 17	Rendered	Eastpointe	Engine 2/Squad 2	Medical
August 28	Received	Roseville	Squad	EMS Transport
August 28	Received	Hazel Park	Squad	EMS Transport
October 10	Rendered	St. Clair Shores	Engine 2	Commercial Fire
October 13	Received	Macomb County	Engines/Truck	Apartment Fire
October 14	Received	Sterling Heights	Engine/Rescue	Multi-Car Accident
December 19	Rendered	Roseville	Squad 5	EMS Transport

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EMS DIVISION

The Warren Fire Department responded to 10,828 EMS runs and treated 10,775 patients in 2013, a 5.2% increase in run volume over the year 2012.

Run priorities and totals are listed as follows:

	2010	2011	2012	2013	+/-
Priority 1	453	544	465	608	+143
Priority 2	4,357	4,770	5,033	5,000	-33
Priority 3	5,049	4,802	4,407	4,910	+503
Priority 4	226	269	264	257	-7
Total	10,085	10,385	10,169	10,775	+606

Chief of EMS

As Chief of EMS, I am primarily responsible for all of the emergency medical training for the Paramedics and EMTs of the Warren Fire Department. As such, I am required to maintain a Paramedic license and an Instructor Coordinator (IC) license issued by the State of Michigan Department of Community Health. I am also responsible for maintaining the license of the Warren Fire Department as an Advanced Life Support provider. I must also maintain with the State our EMS Program Sponsorship. Which allows us more flexibility in our training dates and better suits our shift schedules. In 2013 we added 9 additional IC's to assist with and further advance our training regimen.

EMS Training/Education

The Michigan Department of Community Health requires 45 continuing education credits for Paramedics and 30 continuing education credits for EMTs in topics related to their specializations throughout their respective licensing periods. 26 Paramedics and 9 Basic EMTs renewed their licenses through the continuing education classes provided by the Warren Fire Department. All Paramedics are ACLS (Advanced Cardiac Life Support) certified as mandated by Macomb County Medical Control Authority Protocols. Warren Fire provided 3,079 man hours of EMS training in 2013.

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Personnel

The Warren Fire Department currently has 82 Paramedics, 43 Basic EMT's, 1 EMT-S, and 2 Medical First Responders. We hired 28 Paramedics in 2013, greatly increasing the percentage of personnel who are Paramedics. We are finding that the newly hired Paramedics are very ambitious, fitting in well and representing the Warren Fire Department as young, professional "go-getters" that are eager to learn and proud to be working among some of the best in the business.

EMS Transport

The WFD continues to prove that transport has been a resounding success since taking over from private EMS. 2013 proved to be a progressive year for the fire department. We maintained our existing 5 ALS (Advanced Life Support) Engine Companies, while increasing the license level of our heavy rescue vehicle to provide ALS from our sixth station. With the addition of our **sixth** transporting Squad in October of 2013, the citizens of Warren continue to receive emergency care that is second to none in this region of the State. Through collections using a third party billing company, we've been able to generate revenue to the City of Warren in excess of \$9,000,00.00 since transport resumed in January of 2010.

Innovations and Accomplishments

During 2013, exciting things transpired in the EMS division. First, in late spring we purchased King Vision Endotracheal blade/camera systems for each of our 6 transporting Squads. This is a new "tool" that allows our Paramedics the capability of the fastest possible time in providing an airway for our patients that have stopped breathing. This is accomplished via a tiny camera and an attached color mini-viewing screen, giving us an absolutely clear view to quickly and accurately establish an airway. Also, the WFD participated in a mock-disaster drill that simulated a mass shooter situation at Davenport University in Warren. This training not only helped us to prepare for the unthinkable, but it also gave us the opportunity to work with other agencies and departments throughout the county. We again displayed professionalism and set the standard for the other departments in the county to follow. Finally, we have been recognized by St. John Macomb Hospital in Warren for the exceptionally short "door-to-balloon" times we have provided for our citizens and visitors alike.

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Many lives have been saved due to our fast response times and the dedicated, knowledgeable Paramedics and EMT's of the Warren Fire Department. They are second to none!

Tactical EMS

As Chief of EMS, I am responsible for the additional training needed for the 9 member Tactical EMS Team. The Warren Police Special Response Team continues to benefit from the Tactical EMS duties that WFD Tactical Medics provide. 9 of our paramedics have taken the required additional EMS classes (Pre-Hospital Trauma Life Support and Pediatric Advanced Life Support) and have attended and successfully passed the tactical training. The Warren Fire Department's Tactical EMS Team trains 864 hours annually and participates in numerous practice drills to stay sharp and at the ready when our police department responds to an incident. The team is able to assist the Warren Police team in a variety of situations, such as: high risk warrants, hostage rescue, barricaded suspects, sniper situations, armed fugitive arrests, civil disturbances and clandestine drug lab raids. Our team has set the bar high and other nearby departments are now modeling their team after us. This kind of commitment is unique to the eastern section of our Country as we continue to provide a service to our brothers and sisters in blue and to our community.

For the Future

Efforts are underway to purchase 3 new Paramedic Squads to maintain our fleet as one of the most elite in the area and to provide safe, fast and comfortable transportation to the emergency room for our citizens. My goal remains to train and certify all the paramedics in PHTLS (Pre-Hospital Trauma Life Support) and PALS (Pediatric Advanced Life Support) prior to the end of this year. I will provide our members with improved and innovative equipment, allowing them to provide quality care to the citizens of Warren. I will ensure our Tactical Medics will continue to support the Warren Police Emergency Response Team in a safe and professional manner. I will represent the Warren Fire Department EMS Division in a professional manner, providing leadership and support for EMS personnel.

Mark Schimanski
Chief of EMS

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2013 EMS Transport Receipts

The Warren Fire Department EMS treatment and transport service generated almost \$2.4 million in gross receipts during the 2013 calendar year. These receipts are used to offset and subsidize the cost of providing fire and emergency medical service to residents, business owners and visitors to our community. Although the revenues generated by the department are significant, the total cost of providing fire department emergency response averages \$20 million on a fiscal year basis.

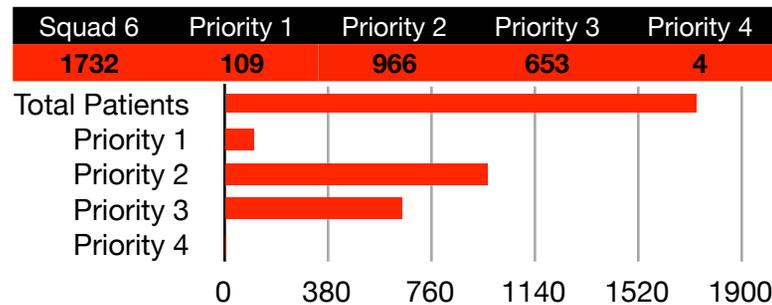
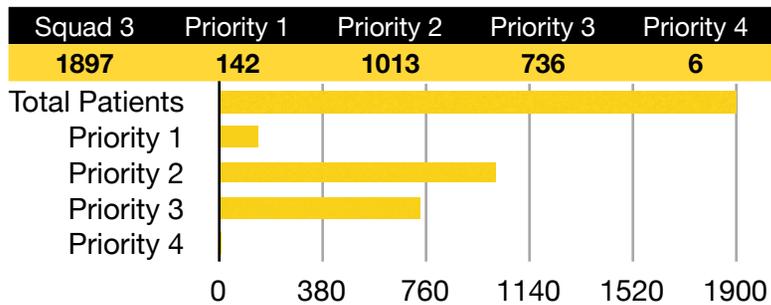
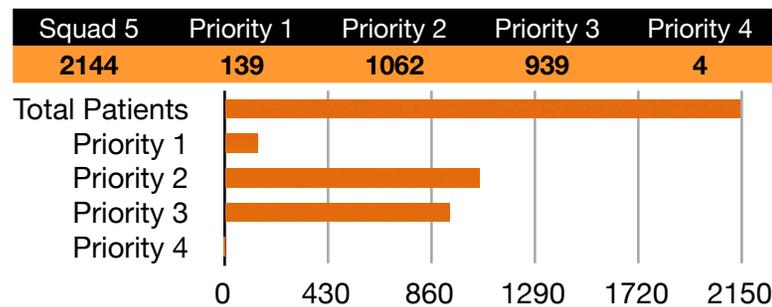
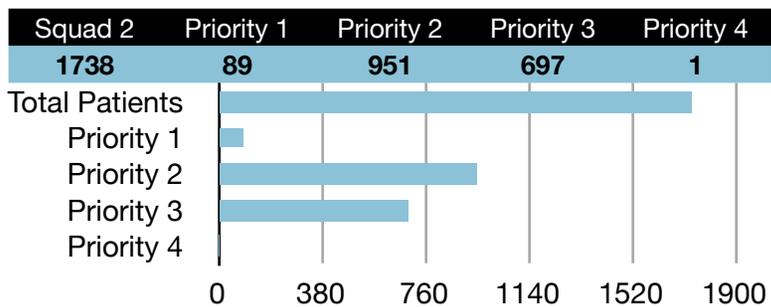
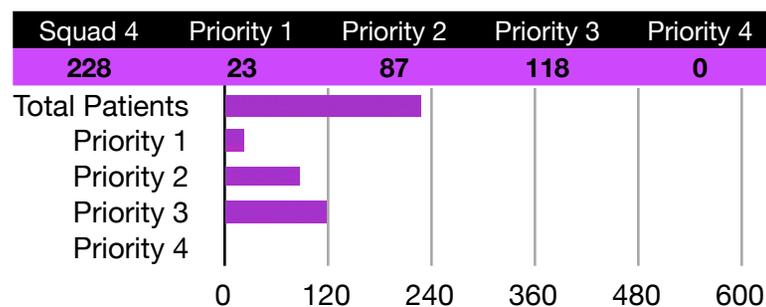
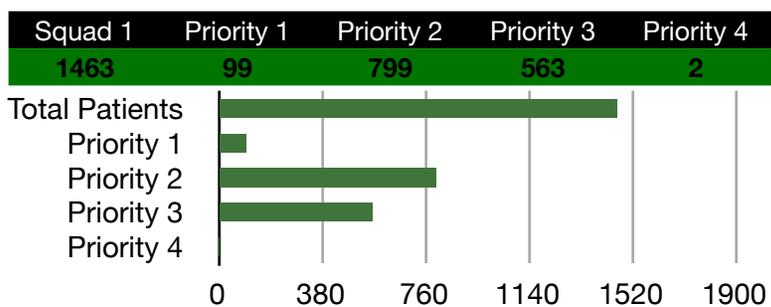
Month	Beginning Balance	Ending Balance	Revenue
January	\$6,604,836.00	\$6,759,689.00	\$154,853.00
February	\$6,759,689.00	\$6,938,712.00	\$179,023.00
March	\$6,938,712.00	\$7,237,139.00	\$298,427.00
April	\$7,237,139.00	\$7,509,100.00	\$271,961.00
May	\$7,509,100.00	\$7,718,321.00	\$209,221.00
June	\$7,718,321.00	\$7,865,799.00	\$147,478.00
July	\$7,865,799.00	\$8,043,488.00	\$177,689.00
August	\$8,043,488.00	\$8,178,790.00	\$135,302.00
September	\$8,178,790.00	\$8,383,161.00	\$204,371.00
October	\$8,383,161.00	\$8,570,957.00	\$187,796.00
November **	\$570,957.00	\$816,176.00	\$245,219.00
December	\$816,176.00	\$1,004,648.00	\$188,472.00
		Total Revenue	\$2,399,812.00

*** Special Note - On 10/29/13, \$8,000,000.00 transferred from EMS Revenue Account into other City accounts*

WARREN FIRE DEPARTMENT

2013 Annual Report

Patient Care Report Totals By Squad and Priority



Patient Care Reports Agency Run Statistics

Warren Fire Department

2013	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
AGENCY TOTAL	911	795	871	794	913	889	899	942	940	952	868	1,001	10,775
<i>Priority #1</i>	47	42	47	37	38	54	55	48	64	61	54	61	608
<i>Priority #2</i>	427	388	437	402	471	459	377	417	372	436	374	440	5,000
<i>Priority #3</i>	418	343	357	340	378	355	445	459	486	437	416	476	4,910
<i>Priority #4</i>	19	22	30	15	26	21	22	18	18	18	24	24	257
Aborted	2	1		3	2		1		2	3	1	3	18
Refused	113	82	109	93	101	108	113	114	107	96	92	95	1,223
Transport	769	677	716	668	762	741	752	790	804	821	743	866	9,109
Other	27	35	46	30	48	40	33	38	27	32	32	37	425
Sex: Male	425	360	385	366	413	407	412	404	385	445	409	431	4,842
Female	486	435	486	428	500	482	487	538	555	507	459	570	5,933
Age: < 1	11	9	7	8	6	8	7	9	8	11	4	7	95
1 - 10	26	17	30	14	18	15	25	17	25	23	18	25	253
11 - 17	19	17	18	21	24	16	23	27	26	35	28	30	284
18 - 25	69	51	72	71	83	95	86	100	93	94	83	88	985
26 - 35	77	76	86	72	98	75	85	99	79	66	74	100	987
36 - 45	99	71	89	101	101	97	109	102	92	90	81	101	1,133
46 - 55	119	128	135	122	156	153	140	121	132	147	124	138	1,615
56 - 65	132	130	115	116	118	114	121	149	132	145	131	130	1,533
> 65	351	290	306	263	300	311	301	315	343	335	321	368	3,804
Unknown	8	6	13	6	9	5	2	3	10	6	4	14	86
TOTAL RUNS	911	795	871	794	913	889	899	942	940	952	868	1,001	10,775
Acute Abdominal	30	32	18	26	32	30	28	29	31	39	30	35	360
Allergy Reaction	3	5	2	6	3	6	4	8	6	7	8	4	62
Behavioral	19	10	17	24	25	22	22	13	31	29	19	24	255
Burns	1	1	1	2	1	3	1	1	2	1	1	3	18
Cardiac	77	79	89	74	62	75	86	87	88	92	73	87	969
Chemical/Poison				5	2	1			5	2	1	2	18
Diabetic	27	31	28	30	43	45	31	39	36	30	31	21	392
Domestic Violence					1		2	3	2	1	3		12
Drug/Overdose	23	20	23	21	29	31	30	26	29	22	23	28	305
Environmental	3	2		2	1				4	3		3	18
Motor Veh Trauma Res/Un	24	21	21	30	32	34	31	34	29	31	26	34	347
Neonatal							1		1	2	1		5
OB/GYN	10	13	24	8	14	18	14	13	10	13	11	19	167
Other Illness	394	319	369	303	384	343	360	346	351	365	371	378	4,283
Other Trauma	130	113	106	109	113	120	147	169	150	149	117	136	1,559
Pedestrian vs M Veh	2		2	3	3		5	3	1	4	1	5	29
Respiratory Distress	89	79	75	83	70	85	72	84	76	70	73	107	963
Seizure/Convulsions	48	38	57	36	52	40	34	55	48	45	40	65	558
Stroke/CVA/TIA	14	11	15	16	21	9	9	10	17	11	16	15	164
Unconscious Unknown	17	21	24	16	25	27	22	22	23	36	23	35	291

Patient Care Reports Agency Run Statistics

Warren Fire Department

2013	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
RESPONSE TIMES													
1 - 5 Minutes	302	214	276	264	305	335	384	398	385	402	363	396	4,024
6 - 10 Minutes	544	513	516	455	533	497	474	478	478	490	444	533	5,955
11 - 15 Minutes	52	60	61	56	57	45	29	51	57	43	52	59	622
> 15 Minutes	13	8	18	14	17	11	10	11	14	13	8	13	150
Unreported				5	1	1	2	4	6	4	1		24
HOSP RUNS BY PRI													
Beaumont Royal Oak	12	19	15	12	13	8	12	16	9	21	11	13	161
<i>Priority #1</i>	4	1	1	2	3	1	3	3	3	7	3	4	35
<i>Priority #2</i>	6	14	8	7	7	6	3	10	3	9	6	7	86
<i>Priority #3</i>	2	4	6	3	3	1	6	3	3	5	2	2	40
Beaumont Troy	4	2	4	1	3	3	6	4	3	1	1	2	34
<i>Priority #1</i>					1								1
<i>Priority #2</i>	2	1	3	1	2	1	4	2		1	1		18
<i>Priority #3</i>	2	1	1			2	2	2	3			2	15
Detroit Childrens Hospital	5	1	2			2	3	4	2	1	2	1	23
<i>Priority #1</i>						1			1		1		3
<i>Priority #2</i>	4		2			1	2	3	1	1	1		15
<i>Priority #3</i>	1	1					1	1				1	5
Detroit Receiving Hospital	1	1	1	1			1	1	2	1	1	1	11
<i>Priority #1</i>				1				1	2			1	5
<i>Priority #2</i>	1	1	1				1				1		5
<i>Priority #3</i>										1			1
Henry Ford Detroit						1	1						2
<i>Priority #1</i>													
<i>Priority #2</i>							1						1
<i>Priority #3</i>						1							1
Henry Ford Macomb		4	2	2		1				1			10
<i>Priority #1</i>													
<i>Priority #2</i>		4	1	1		1				1			8
<i>Priority #3</i>			1	1									2
McLaren Macomb	1	2	2	2	3	3	2	3	2	4		2	26
<i>Priority #1</i>	1	1		1	1	2		1					7
<i>Priority #2</i>			1	1	2	1	1	2	1	4		1	14
<i>Priority #3</i>		1	1				1		1			1	5
Mt Clemens Regional	2								2	1			5
<i>Priority #1</i>	1												1
<i>Priority #2</i>	1								1	1			3
<i>Priority #3</i>									1				1
St John Detroit	4	9	3	5	10	6	13	6	11	7	3	7	84
<i>Priority #1</i>	2	5	1	3	3		2	3	6	2	2	1	30
<i>Priority #2</i>	2	4	2		4	5	7	3	5	3	1	5	41
<i>Priority #3</i>				2	3	1	4			2		1	13

Patient Care Reports Agency Run Statistics

Warren Fire Department

2013	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
St John Macomb	557	451	503	479	499	510	530	563	577	560	549	638	6,416
<i>Priority #1</i>	31	23	33	24	21	36	40	31	44	36	43	39	401
<i>Priority #2</i>	316	269	314	298	323	315	257	291	259	296	276	333	3,547
<i>Priority #3</i>	210	159	156	157	155	159	233	241	274	228	230	266	2,468
St John Oakland	157	162	167	148	203	180	171	171	184	216	166	197	2,122
<i>Priority #1</i>	6	12	12	6	9	13	9	9	8	16	5	14	119
<i>Priority #2</i>	83	83	94	83	108	112	92	101	96	114	81	92	1,139
<i>Priority #3</i>	68	67	61	59	86	55	70	61	80	86	80	91	864
HOSP TOTAL	743	651	699	650	731	714	739	768	792	813	733	861	8,894

WARREN FIRE DEPARTMENT

2013 Annual Report

Fire Prevention Division

In 2013, the Fire Prevention Division continued to perform the 3 main duties of Fire Prevention; community education, fire code enforcement and fire investigation.

With the addition of 2 new Fire Inspectors to the Fire Fighting Division, we tripled the number of annual inspections conducted by the division as compared to 2012. In addition to annual inspections, we performed certificate of compliance inspections for compliance with the adopted fire code. We performed acceptance tests on fire suppression and alarm systems. We reviewed site plans, building plans, alarm system plans and fire suppression system plans for fire code compliance. We investigated citizen complaints. We provided Phase One Environmental Reviews, Community Development Block Grant reports and processed FOIA requests as needed. We also distributed approximately 400 Knox Box applications and were instrumental in getting 218 Knox Boxes installed on commercial buildings while enforcing the City's revised Knox Box ordinance.

We continued to investigate fires for the purpose of origin and cause determination. Together with the Warren Police Department, we investigated arson fires and assisted them in the prosecution and conviction of the perpetrators. We also investigated accidental fires to ascertain if specific household or commercial appliances and devices create an inherent risk of starting fires.

We continued to educate the public in the area of fire prevention, both in schools and in other community arenas. Our elementary school Fire Prevention Week classes were very popular in 2013, again providing classes for preschool, elementary school and even high school students.

The inspection numbers below are based on the Fire Inspector Activity Report:

Inspection Number and Type	Number of Reports
1. Certificate of Compliance	448
2. Annual Inspections	401
3. Final Inspections	000
4. Re-inspections	397
5. Alarm Tests	037

WARREN FIRE DEPARTMENT

2013 Annual Report

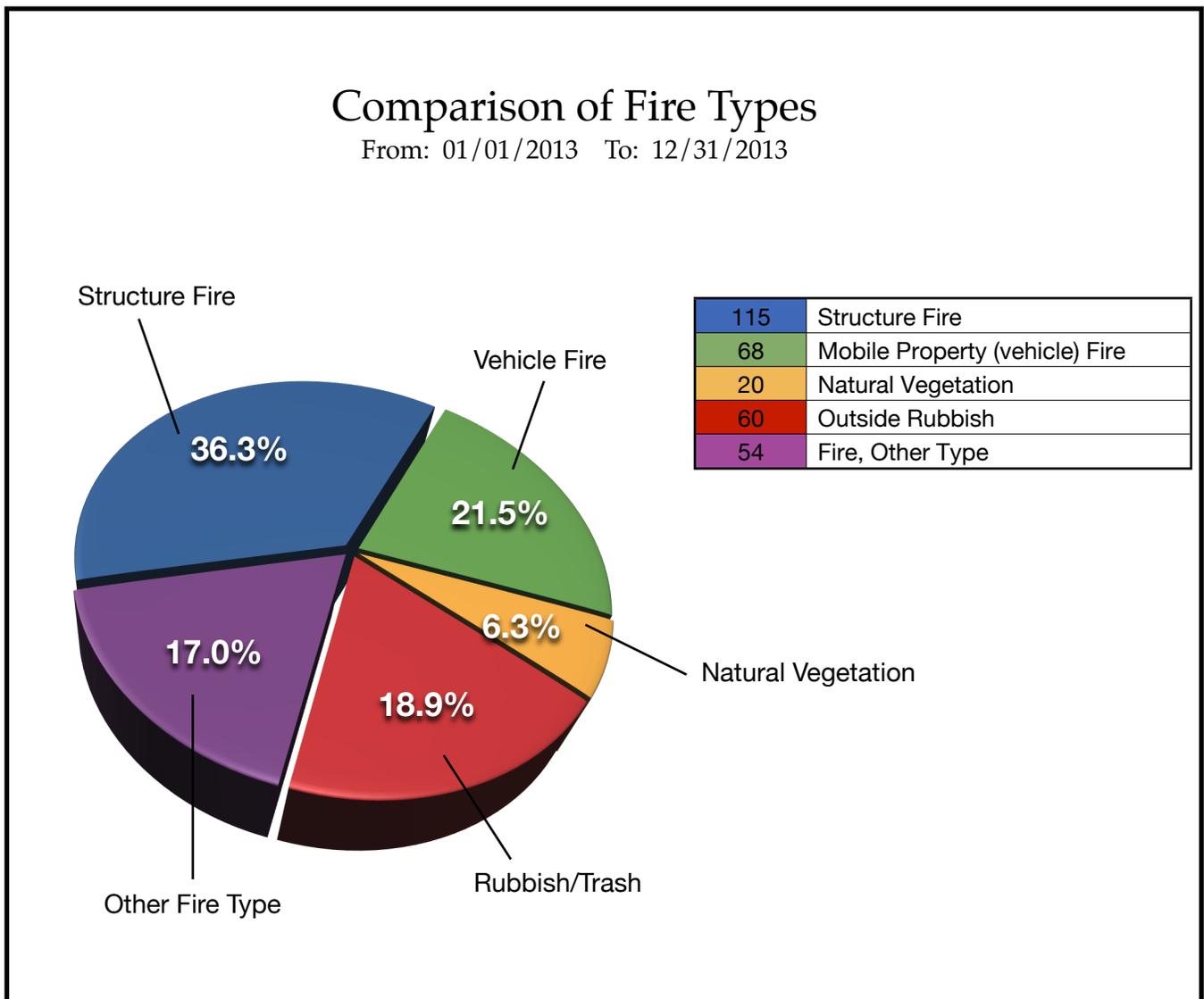
6.	Site Plan Reviews	083
7.	Building Plan Reviews	005
8.	City Hall Mail	135
9.	Fire Investigations	061
10.	Fire Investigation Reports	049
11.	Court/District Appearances	000
12.	Court/Circuit Appearances	000
13.	Complaints	039
14.	Phase One Environmental Site Reviews	032
15.	CDBG Site Reviews	016
16.	Letters/Correspondences	004
17.	Code Compliance Meetings	010
18.	Fire Safety Programs/Schools	019
19.	Fire Safety Programs/Private	005
20.	Code Research	007
21.	Other/Misc Activities	049
22.	Hydrant Flow Tests	009
23.	Acceptance Tests - Fire Suppression Non Water	001
24.	Sprinkler System Hydro Tests	022
25.	Sprinkler System Underground Flushes	001
26.	School/Training Classes	054
27.	Annual/Monthly/Daily Reports	016
28.	FOIA Requests	022
29.	Haz Mat Related Activities	000
30.	Fire Department Staff Meetings	018
31.	Pre-final Walk Throughs	013
32.	Fire Suppression Plan Reviews	046
33.	Fire Alarm Plan Reviews	035
34.	Fire Suppression Puff Tests	013
35.	License Compliance Inspections	026
36.	Knox Box Compliance/Inspections	150
37.	NFIRS Report Compliance Reviews	203
38.	Evidence Transported to MSP Crime Lab	011
39.	Tech Committee Meetings	000
40.	Office Work	007
41.	Fireworks Inspections	016
<hr/>		
	Total Inspector Activities	2460

WARREN FIRE DEPARTMENT

2013 Annual Report

2013 Fire Statistics

The Fire Prevention Division also administers the National Fire Incident Reporting System (NFIRS). All the incident data and statistics in this annual report are derived from the NFIRS incident reports.



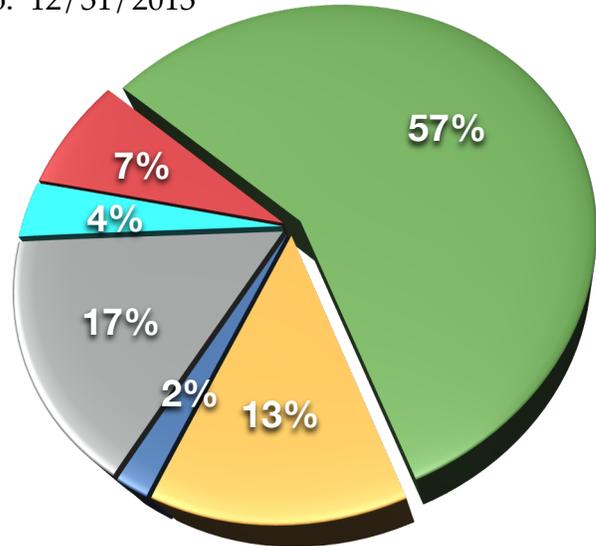
WARREN FIRE DEPARTMENT

2013 Annual Report

Comparison of Fire Causes

From: 01/01/2013 To: 12/31/2013

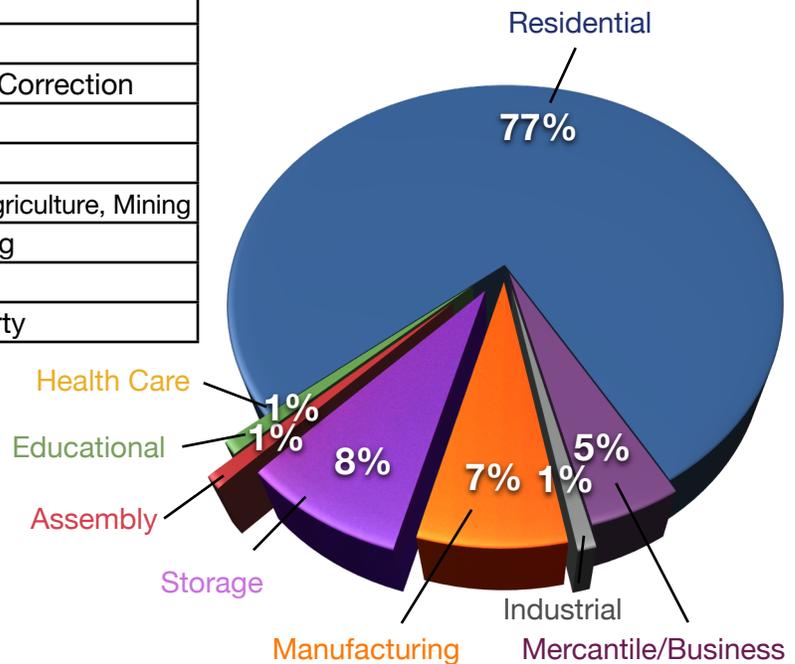
16	Intentional
122	Unintentional
28	Failure of Equipment
4	Act of Nature
0	Under Investigation
36	Undetermined
8	Other (Exposure Fire)



Building Fires by Property Class

From: 01/01/2013 To: 12/31/2013

1	Assembly
1	Educational
0	Health Care, Detention & Correction
84	Residential
5	Mercantile, Business
1	Industrial, Utility, Defense, Agriculture, Mining
8	Manufacturing, Processing
9	Storage
0	Outside or Special Property

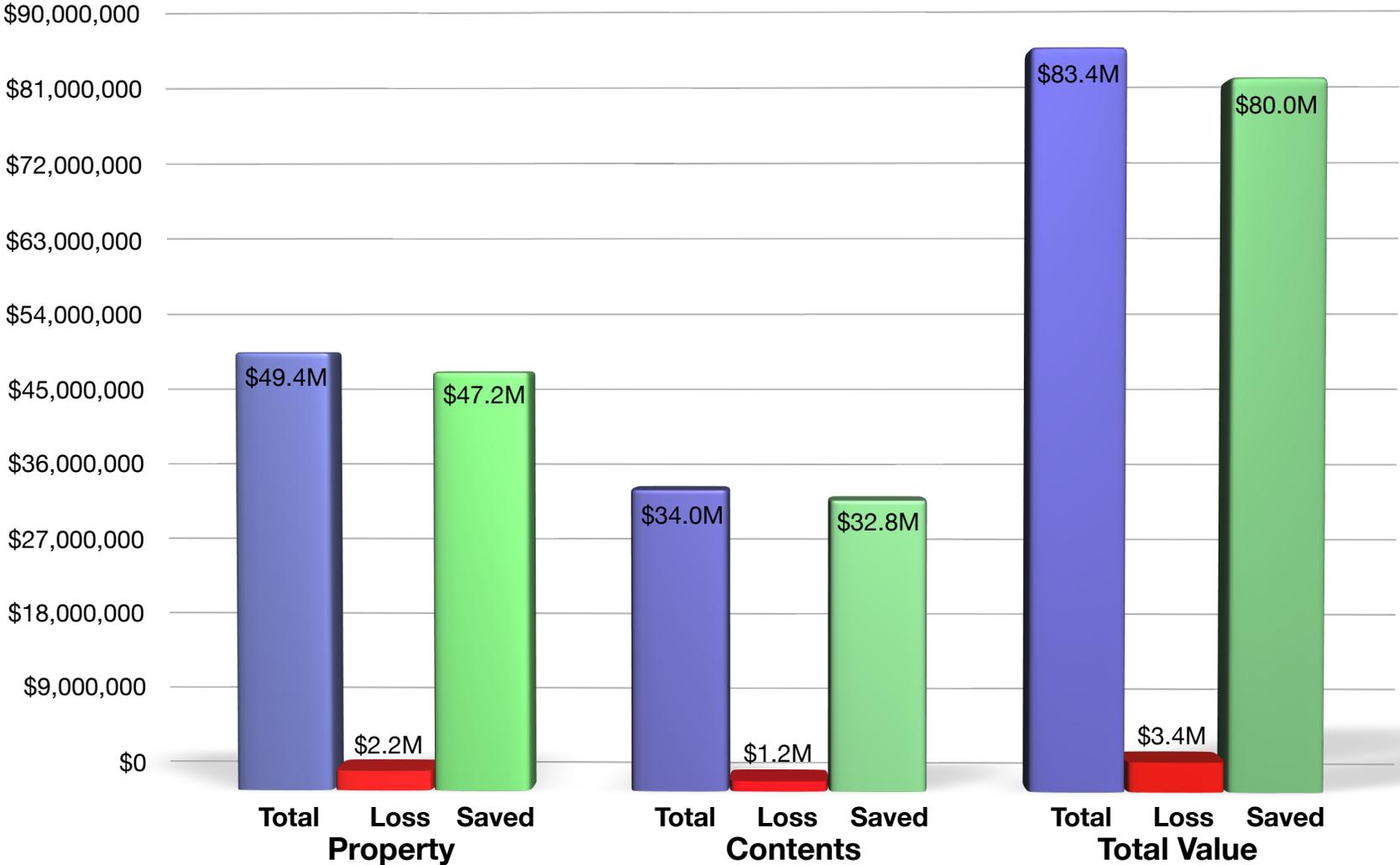


WARREN FIRE DEPARTMENT

2013 Annual Report

Comparison of Property Value, Loss & Saved in Fires

From: 1/1/2013 To: 12/31/2013



WARREN FIRE DEPARTMENT

2013 Annual Fire Report

Fires With Property Loss of \$25,000 or Greater

Incident Number	Date	Incident Address	Property Type	Property Loss	Contents Loss	FF Injuries	Civilian Injuries	Civilian Deaths	Summary
00088	1/3	13471 St Andrews	Residential	\$30,000	\$10,000	0	1	0	Single family dwelling. Fire origin in living room. Fire cause is unintentional.
00627	1/15	2445 Thirteen Mile	Residential	\$50,000	\$10,000	0	0	1	Single family dwelling. Fire origin in living room. Fire cause is undetermined.
01112	1/26	29468 El Dorado Plaza	Multifamily Dwelling	\$200,000	\$100,000	0	0	0	Townhouse condo fire. Fire origin in upstairs bedroom. Fire cause is undetermined.
01112	1/26	29480 El Dorado Plaza	Multifamily Dwelling	\$100,000	\$50,000	0	0	0	Townhouse condo fire. Fire origin in attic. Fire cause is exposure from adjacent condo..
01112	1/26	29460 El Dorado Plaza	Multifamily Dwelling	\$100,000	\$50,000	0	0	0	Townhouse condo fire. Fire origin in attic. Fire cause is exposure from adjacent condo..
01172	1/27	28801 Imperial	Multifamily Dwelling	\$50,000	\$20,000	0	0	0	Apartment fire. Fire origin in kitchen. Fire cause is unintentional.
01423	2/2	8281 Eight Mile	Commercial	\$100,000	\$150,000	0	0	0	Commercial Auto Repair. Fire origin in shop area. Fire cause is unintentional.
01818	2/12	4215 Garbor	Residential	\$25,000	\$5,000	0	0	0	Single family dwelling. Fire origin in kitchen. Fire cause is failure of equipment.
02954	3/14	8287 Hudson	Residential	\$50,000	\$20,000	0	0	0	Single family dwelling. Fire origin in attic. Fire cause is unintentional

WARREN FIRE DEPARTMENT

2013 Annual Fire Report

Fires With Property Loss of \$25,000 or Greater

Incident Number	Date	Incident Address	Property Type	Property Loss	Contents Loss	FF Injuries	Civilian Injuries	Civilian Deaths	Summary
03200	3/19	11779 Eight Mile	Vehicle Fire	\$25,000	\$5,000	0	1	0	Motor Vehicle Accident with resulting vehicle fire. Severe civilian injury due to fire. Fire cause is unintentional.
03488	3/27	27227 Thomas	Residential	\$40,000	\$20,000	1	0	1	Single family dwelling. Fire origin in living room. Fire cause is undetermined.
06235	6/3	11366 Vulcan	Residential	\$50,000	\$10,000	0	0	0	Single family dwelling. Fire origin in kitchen. Fire cause is undetermined.
07127	6/24	13791 Thirteen Mile	Commercial	\$100,000	\$75,000	0	0	0	Restaurant/Bar fire. Fire origin in attic. Fire cause is unintentional.
07301	6/27	3020 Thirteen Mile	Residential	\$25,000	\$15,000	0	1	0	Single family dwelling. Fire origin in living room. Fire cause is undetermined.
09064	8/6	6898 Lozier	Commercial	\$70,000	\$30,000	0	0	0	Single family dwelling attached to a party store. Fire origin in basement. Fire cause is intentional.
10129	8/30	11412 Cadillac	Residential	\$40,000	\$15,000	0	0	0	Single family dwelling. Fire origin in rear bedroom. Fire cause is undetermined.
10983	9/15	2716 Emmons	Residential	\$30,000	\$15,000	0	0	0	Residential detached garage. Structure was a total loss. Fire cause is undetermined.
11384	9/24	21312 Helle	Residential	\$25,000	\$15,000	0	0	0	Single family dwelling. Fire origin in rear of house with damage to kitchen. Fire cause is undetermined.

WARREN FIRE DEPARTMENT

2013 Annual Fire Report

Fires With Property Loss of \$25,000 or Greater

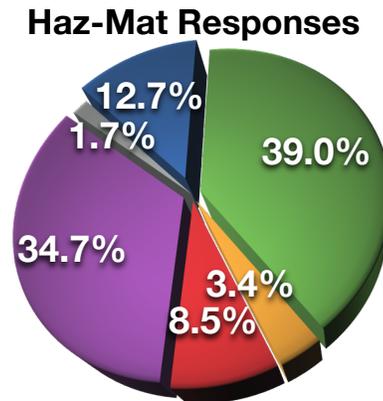
Incident Number	Date	Incident Address	Property Type	Property Loss	Contents Loss	FF Injuries	Civilian Injuries	Civilian Deaths	Summary
12248	10/13	04169 Frazho	Residential	\$125,000	\$20,000	0	1	0	2- story apartment. Fire origin in lower apartment - unit 102. Fire cause is undetermined.
12696	10/23	22249 Columbus	Residential	\$30,000	\$1,000	0	0	0	Vacant single family dwelling. Fire origin in living room. Fire cause is intentional.
13151	11/3	29256 Lloyd	Residential	\$50,000	\$25,000	0	0	0	Single family dwelling. Fire origin in basement. Fire cause is failure of equipment.
14469	12/2	21430 Sherwood	Residential	\$25,000	\$25,000	0	0	0	Residential detached garage fire. Fire origin in vehicle. Fire cause is unintentional.
15355	12/22	11570 Fisher	Residential	\$35,000	\$0	0	0	0	Single family dwelling. Fire origin is unknown. Fire cause is intentional
Totals				\$1,375,000	\$686,000	1	4	2	

Special Operations Division

Hazardous Materials Report

In 2013 the Warren Fire department responded to 118 incidents identified as involving some type of hazardous substance release.

15	Flammable/Combustible Liquid or Gas
46	Natural Gas or Propane Leak
4	Oil or Other Combustible Liquid
10	Chemical Hazard & Environmental Monitoring
41	Carbon Monoxide
2	Other including BIO-hazards



Hazardous Materials Training

During 2013, the WFD Hazardous Materials Team, consisting of 21 members, received 208 man hours of training in 5 training sessions. 4 members attended a Hands-on Chemical ID and Explosives Workshop and 2 members attended Improvised Explosive and Threat Awareness Training; the first sponsored by the FBI and the other by Thermo Scientific. The County Team received 466 man hours of training in 8 training sessions.

Macomb County Hazardous Materials Response Team

The County Team consists of 40 Haz/Mat Technicians, 9 of which are Warren Fire Haz/Mat Technicians. During 2013, the County Team participated in a Region 2 exercise and 2 County all hazard CBRNE exercises. Warren is one of 4 sponsoring agencies for this team. All of the departments involved will continue to maintain their individual Hazardous Materials response capability.

New Equipment Acquisitions

The Warren Fire Department purchased a hydrogen cyanide sensor and calibration gas for the MultiRae plus gas monitor. The cost to upgrade the monitor was \$800. This equipment will enhance our ability to monitor fire and Haz/Mat scenes for the presence of cyanide so the fire department can implement protective actions and treatment to our citizens and fire fighters. The Macomb County Haz/Mat Team Urban Area Security Initiative (UASI) grant monies were used to upgrade the WFD's Smith Haz/Mat ID Chemical Identifier at a cost of \$15,000.



2013 Annual Report

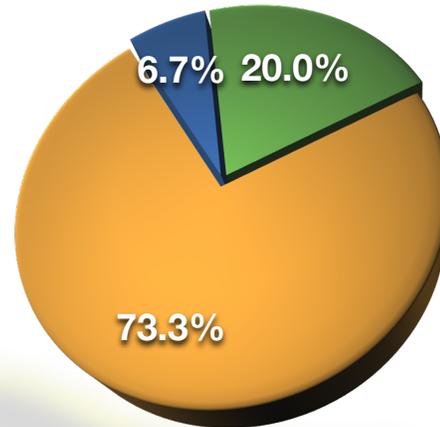
Special Operations Division

Technical Rescue

In 2013 the Warren Fire Department responded to 15 incidents identified as involving some type of technical rescue expertise.

1	Partial/Total Building Collapse
3	Confined Space Rescue/Elevator Rescue
11	Vehicle Extrication
0	Ropes/Hi Angle Rescue
0	Trench Rescue

Tech Rescue Responses



Technical Rescue Training

During 2013 the 20 member Tech Rescue Team received 256 man hours of training in 5 training sessions. MMRS grant monies provided an additional training opportunity for 3 of the team members to attend the 40 hour Building Collapse Operations class. Jay-Dee Contractors sponsored a 20 hour Department of Labor Tunnel Confined Space class for 12 members of our department. This training will enable us to conduct a tunnel rescue in the county's drain project if needed. Additionally, these 12 members are certified nationally and may be called upon to assist in Tunnel and Cave rescues nationwide. Macomb County conducted 2 training exercises in Cell Tower Rescue and the Business Exposition. Training was attended by 5 of our members for a total of 16 hours.

Macomb County Technical Rescue Team

Macomb County Tech Rescue Team is a combined team and became deployable for the first time this year. It is comprised of 45 rescue specialist trained personnel from around the county. There are 9 personnel from Warren on the County's team. This cooperative effort will bring additional monies for training and equipment to all of the participants. All of the departments will continue to maintain their individual tech rescue response capability.

Michigan Task Force One

Warren Fire Department added 1 member to the MI-TF1 Regional Response Team in 2013. Warren currently has 2 members on the team and they will be used statewide if they are needed.

New Equipment Acquisitions

During 2013 the Warren Fire Department Tech Rescue Team updated and retrofitted the MSA Confined Space Escape Respirators at a cost for \$500. This allows team members to use their new MSA firefighting face mask for confined space entry.



2013 Annual Report