

WARREN FIRE DEPARTMENT



2011 Annual Report



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



April 23, 2012

The Honorable James R. Fouts
Mayor

Re: 2011 Annual Report

WARREN FIRE DEPARTMENT

23295 Schoenherr
Warren, MI 48089
(586) 756-2800
www.cityofwarren.org

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, 2011.

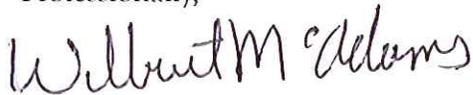
During 2011, the department responded to 14,717 alarms for the year representing an increase of 1,277 incidents, or a 9% increase over 2010 totals. Of these responses, 10,477 were emergency medical incidents, which makes up 71% of all emergency incidents responded to by the department. Additionally, the department also responded to four hundred and seven (407) fire incidents of all types during the year with the remainder of responses classified as general responses of all types totaling three thousand eight hundred and thirty-three (3,833) incidents. Total incident responses for all companies amounted to 34,045 alarms requiring emergency responses from fire apparatus of all types, depending upon the type of incident reported and responded to. There were thirteen (13) reportable civilian injuries and zero (0) civilian fatalities, as well as two (2) significant injuries to firefighters resulting in lost work days for fire department employees. Also during the year there were thirty-one (31) non-fire duty injuries to firefighters resulting in one hundred and fourteen (114) total days of work lost or two thousand seven hundred and thirteen (2,713) hours of lost man hours. Estimated fire losses for the year 2011 exceeded \$4.3 million dollars in real property losses and \$2.6 million in personal property losses during the year. There were forty-one (41) fires where the estimated property loss was greater than \$25,000.00, of which seven (7) incidents exceeded an estimated \$100,000.00 or greater of real property loss. The most significant fire loss during 2011 occurred at 14350 Nine Mile Road in a grocery store, with the estimated real and personal property loss of \$700,000.00. Additionally, the building explosion and fire occurring at 23780 Hoover generated considerable media attention and public interest due to the high profile nature of the incident and the number of businesses and residential properties that were affected by the explosion and fire generated by the intentional natural gas explosion.

Again, as Fire Commissioner, I would like to 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 instills trust by the citizens and business owners of our community and as representatives of the department and the city of Warren. In addition, I would also like to

recognize the efforts of the Administrative staff, including the efforts of the Deputy Fire Commissioner and Deputy Fire Chief, as well as the Command staff directly supervising and direction to 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 our mission of protecting the lives and property of the citizens, business owners and visitors to the great City of Warren, Michigan.

Myself, as well as the entire department, look forward to 2012, and the challenges it will present given the economic challenges we are facing as a community, state and country. I am extremely confident that the entire workforce will be up to the challenge of continuing to provide the highest level of service demanded by the citizens of Warren in the most efficient and cost effective model possible.

Professionally,

A handwritten signature in black ink that reads "Wilburt McAdams". The signature is written in a cursive style with a large, prominent "W" and "M".

Wilburt McAdams
Fire Commissioner

WARREN FIRE DEPARTMENT

2011 Annual Report

Table of Contents

	<u>Page</u>
Guiding Principles.....	1
Organizational Structure.....	2
Personnel Changes.....	3-5
Primary Incident Response Report	6
Statistical Trends of the Last Decade.....	7
Analysis of Statistics.....	8
2011 Run Statistics.....	9
Station Run District Responses.....	10
Incidents by Day and Hour.....	11
Manpower Report.....	12
2011 Employee Run Totals.....	13-14
Mutual Aid Report.....	15
EMS Division.....	16-18
2011 EMS Transport Receipts.....	19
PCR Run Totals by Squad and Priority.....	20
2011 Patient Care Reports - Agency Run Statistics.....	21-23
Fire Prevention Division.....	24-25
2011 Fire Statistics.....	26-28
Fire Reports with Property Loss of \$25,000.....	29-33
Apparatus Division.....	34-35
Special Operations Division.....	36-37

2011 Annual Report

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

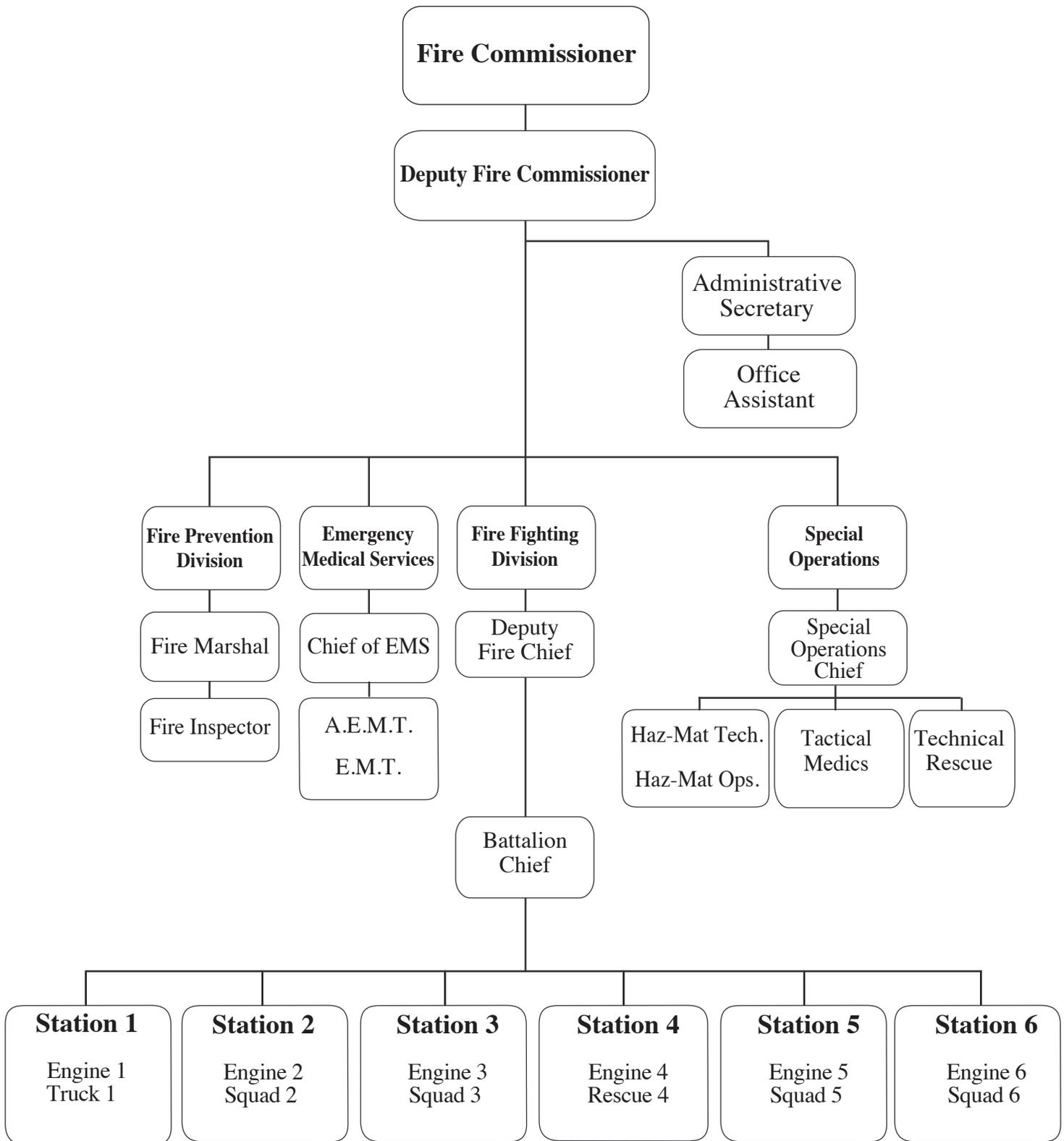
The Warren Fire Department will accomplish its mission by responding to any emergency situation which threatens Life, Safety, or Property. In cases where the Warren Fire Department is not the appropriate agency, is not capable of delivering the needed assistance, or if the situation is not a true emergency, 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.

WARREN FIRE DEPARTMENT

Organizational Structure - December 31, 2011



WARREN FIRE DEPARTMENT

2011 Annual Report

Personnel Changes

Effective February 17, 2011	
FEO Jason Boman	Non-Duty Retirement
Effective March 4, 2011	
Fire Marshal Christopher Popp	Retired
Deputy Fire Marshal Daniel Simpson	Fire Marshal
Effective April 1, 2011	
Lieutenant/AEMT Keith Akers	Retired
Effective April 15, 2011	
Chief of Training Arthur Jasniak	Retired
Acting Administrative Operations Chief Michael Kosek	Retired
Battalion Chief Kurt Reppenhagen	Retired
Lieutenant Daniel Ross	Retired
Lieutenant/AEMT Leo Francis	Retired
Lieutenant Thomas Swofford	Retired
Firefighter Robert Semaan	FEO
Effective May 2, 2011	
Lieutenant William Miller	Battalion Chief
Lieutenant Patrick Kensicki	Battalion Chief
Effective June 12, 2011	
Firefighter Steven Dettloff	Resigned
Firefighter Kyle Simon	Resigned
Effective July 11 2011	
Firefighter Justin Mason	Hired
Firefighter Gregory Oliverio	Hired
Firefighter Joseph Roth	Hired
Firefighter Jeremy Wroblewski	Hired
Effective August 2, 2011	
Lieutenant/AEMT James Theisen	Retired
Hazardous Materials Operations Chief David Frederick	Deputy Fire Commissioner
Lieutenant Kenneth Stefanski	Special Operations Chief
Lieutenant Ronald Barton	Captain
Lieutenant Thomas Bauer	Captain
Lieutenant Robert Gehrke	Captain

WARREN FIRE DEPARTMENT

2011 Annual Report

Lieutenant Terry Lamiman	Captain
Lieutenant David Serafin	Captain
Lieutenant James Golem	Captain
OOO Lieutenant John Dalton	Lieutenant
Sergeant/AEMT Curtis Thrift	Lieutenant
Sergeant Ronald Jewula	Lieutenant
Sergeant James Beck	Lieutenant
Sergeant Steven Sitek	Lieutenant
Sergeant Paul Sinda	Lieutenant
Sergeant Leonard Miree	Lieutenant
Sergeant/AEMT Christian Hartman	Lieutenant
Sergeant Kurt Reidt	Lieutenant
Sergeant Paul Lesnau	Lieutenant
Sergeant Ronald Laszcak	Lieutenant
Sergeant/AEMT Mark Schimanski	Lieutenant
Sergeant/AEMT David Clancy	Lieutenant
FEO Jeffrey Plotzke	Sergeant
FEO Robert Zwierzelewski	Sergeant
FEO Bruce May	Sergeant
FEO Orrin Ferguson	Sergeant
FEO Kevin Falkowski	Sergeant
Firefighter/AEMT Joseph Sharrow, Jr.,	Sergeant/AEMT

Effective August 12, 2011

Firefighter/AEMT Gregg Altimore	FEO
Firefighter/AEMT Ted Garwood	FEO
Firefighter/AEMT Scott Salyers	FEO
Firefighter/AEMT James Gallagher	FEO

Effective September 1, 2011

Firefighter Jeffrey Knudsen	Hired
Firefighter Richard Spackey	Hired

Effective September 4, 2011

Firefighter Gregory Oliverio	Resigned
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Effective September 14, 2011

Chief of Apparatus Gary Wilkinson	Deputy Fire Chief
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Effective November 4, 2011

Captain Thomas Bauer	Retired
Lieutenant Anthony Mastro	Captain
Sergeant Jeffrey Plotzke	Lieutenant

WARREN FIRE DEPARTMENT

2011 Annual Report

Effective November 26, 2011

Chief of EMS Henry Criscuolo	Retired
Captain Ronald Barton	Retired
Lieutenant Gregory Wolski	Chief of EMS
Captain Robert Gehrke	Battalion Chief
Lieutenant John Lovins	Captain

Effective November 27, 2011

Battalion Chief Patrick Kensicki	Retired
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WARREN FIRE DEPARTMENT

2011 Annual Report

Primary Incident Response Report For the Year 2011

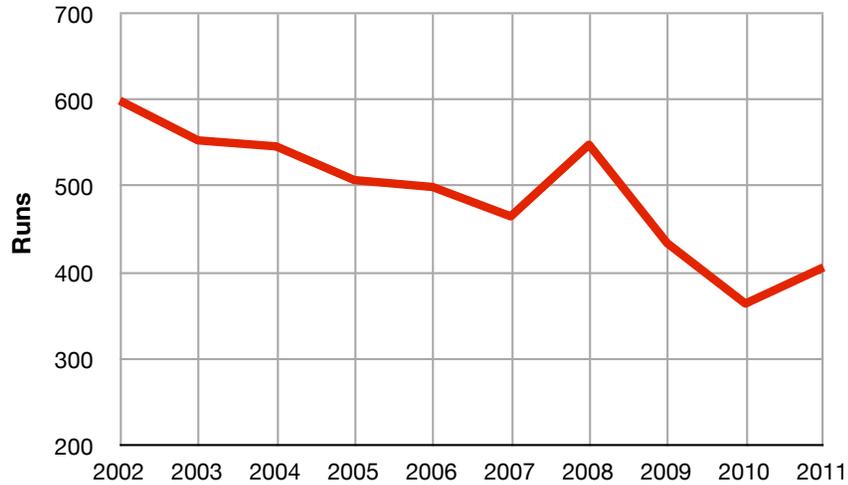
	Eng Co. 1	Eng Co. 2	Eng Co. 3	Eng Co. 4	Eng Co. 5	Eng Co. 6	Truck Co. 1	Rescue Co. 4	Squad 2	Squad 3	Squad 5	Squad 6	Utility 3	Total
1. Fire, Explosion With Fire, Crash With Fire	80	81	100	12	67	53	10	4	0	0	0	0	0	407
2. Overpressure, Rupture, Explosion (No Fire)	4	1	1	0	1	0	0	0	0	0	0	0	0	7
3. Rescue, Crash (No Fire), Emergency Care	1980	1680	1850	680	2507	1682	7	25	12	21	20	13	0	10477
4. Hazardous Condition	87	73	85	17	89	69	24	44	0	0	0	0	0	488
5. Public Service Call	259	238	300	85	342	252	11	6	2	6	2	1	2	1506
6. Good Intent Call	268	281	236	74	265	213	19	24	0	2	5	3	0	1390
7. False Alarm	56	50	58	33	81	54	35	68	0	0	1	1	0	437
8. Other Call	0	0	2	0	2	0	0	0	1	0	0	0	0	5
Total Responses	2734	2404	2632	901	3354	2323	106	171	15	29	28	18	2	14717

WARREN FIRE DEPARTMENT

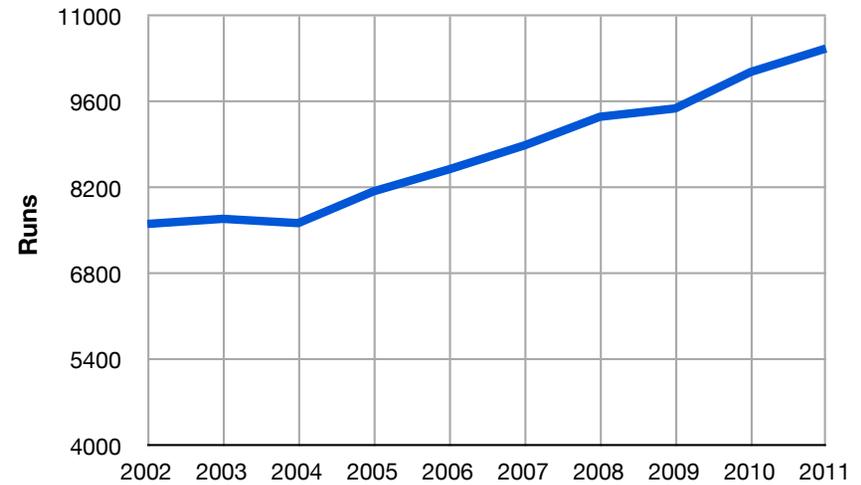
2011 Annual Report

Statistical Trends of the Last Decade

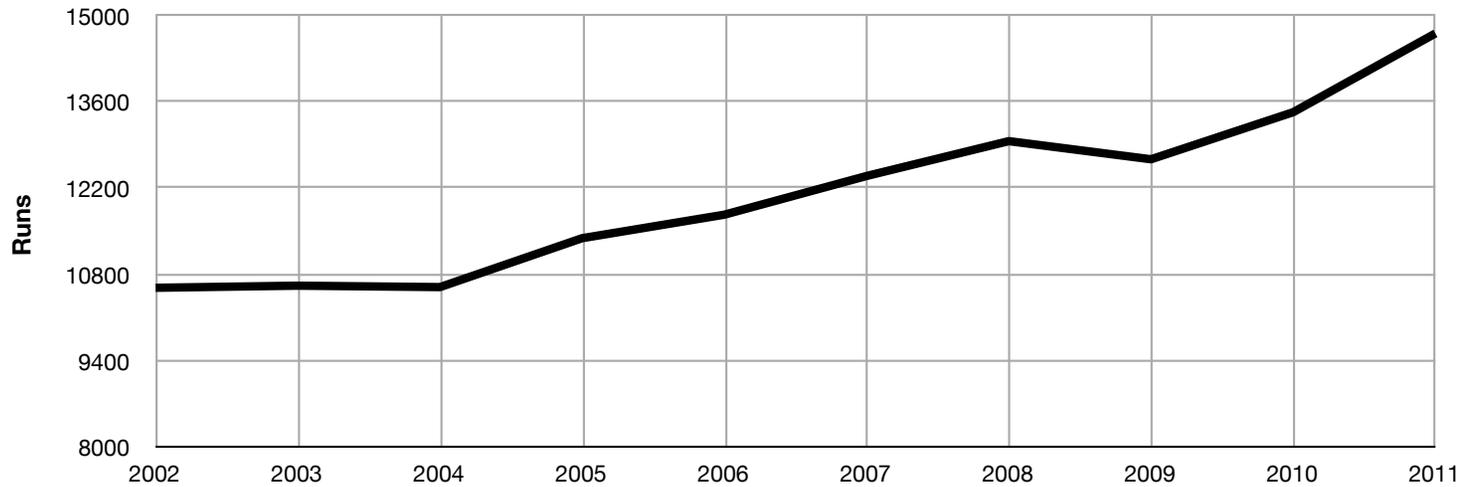
Fires



Medical/Rescue



Annual Totals



WARREN FIRE DEPARTMENT

2011 Annual Report

ANALYSIS OF STATISTICS

In 2011 the Warren Fire Department had twelve apparatus that responded to emergencies within our city and to surrounding communities during times of major incidents. These apparatus are comprised of six engine companies, one ladder truck, one rescue and four squads. In addition, our fleet contains one engine, three squads and one ladder truck in reserve to fill-in for our front line apparatus that are out of service for maintenance or repairs.

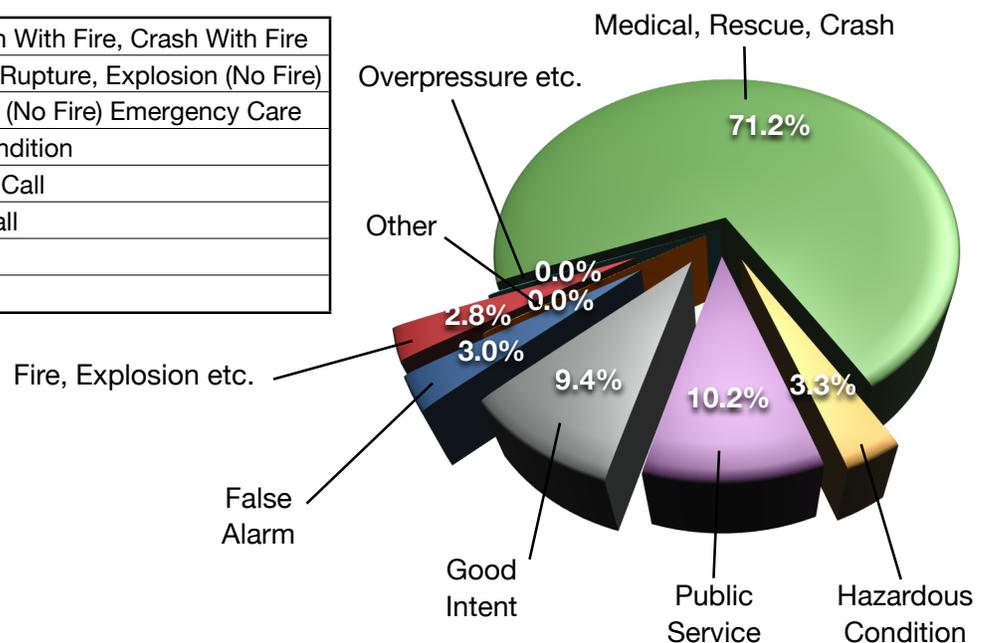
The Warren Fire Department responded to 14,717 incidents in 2011 which represents a 9.5% increase in run volume as compared to 2010. This was an astounding increase of 1277 more incidents than the previous year! Since some incidents are more severe and require multiple companies, our total company responses for 2011 was 34,045. Overall, our incident totals are up 16% over the last 2 years as compared to an 11% increase in the previous 5 years. This dramatic increase in run volume has strained department resources as the Warren Fire Department strives to maintain the same level of service to Warren residents in the midst of a struggling economy.

The following pages contain statistical information for the 2011 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

01/01/2011 - 12/31/2011

407	Fire, Explosion With Fire, Crash With Fire
7	Overpressure, Rupture, Explosion (No Fire)
10477	Rescue, Crash (No Fire) Emergency Care
488	Hazardous Condition
1506	Public Service Call
1390	Good Intent Call
437	False Alarms
5	Other



WARREN FIRE DEPARTMENT

2011 Annual Report

RUN TOTALS

Total Incidents.....	14717
Total Fires.....	407
Total Medical/Rescue.....	10477
Other Incidents.....	3833
Total Apparatus Responses..	34045

FIRE RESPONSES PER ENGINE

Engine 1.....	147
Engine 2.....	117
Engine 3.....	137
Engine 4.....	18
Engine 5.....	87
Engine 6.....	76

INCIDENTS BY UNIT

UNIT 1.....	4947
UNIT 2.....	4847
UNIT 3.....	4923

MEDICAL RESPONSES PER ENGINE

Engine 1.....	1987
Engine 2.....	1683
Engine 3.....	1855
Engine 4.....	681
Engine 5.....	2509
Engine 6.....	1689

RESPONSES BY UNIT

UNIT 1.....	11480
UNIT 2.....	11050
UNIT 3.....	11515

TOTAL APPARATUS RESPONSES

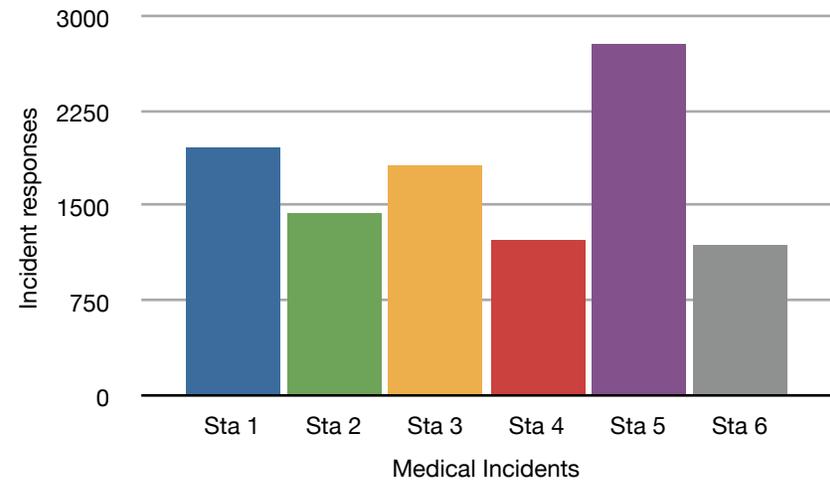
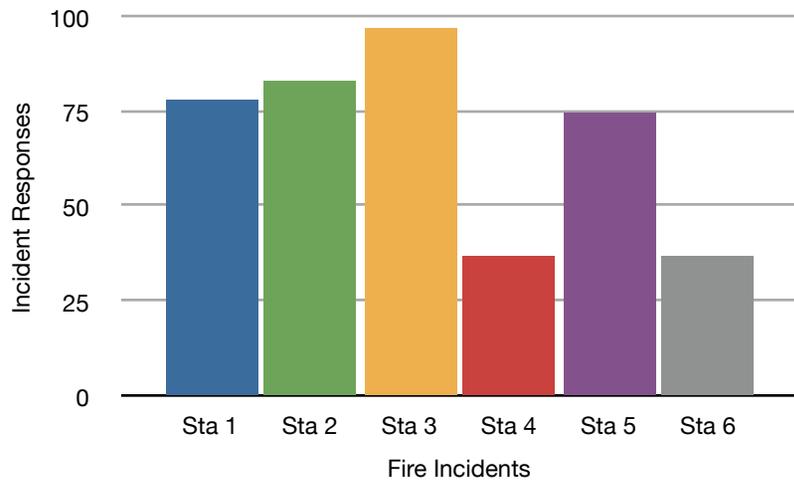
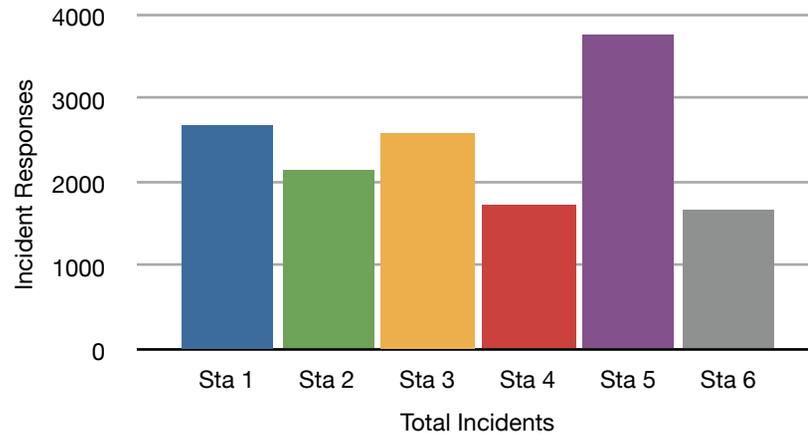
<u>Company</u>	<u>Total</u>	<u>Per Day</u>
Engine 1.....	3432.....	9.7
Engine 2.....	2860.....	7.8
Engine 3.....	3112.....	8.5
Engine 4.....	1126.....	5.6
Engine 5.....	3737.....	10.2
Engine 6.....	2831.....	7.8
Truck 1.....	1289.....	3.5
Rescue 4.....	1369.....	3.8
Squad 2.....	3628.....	9.9
Squad 3.....	3521.....	9.6
Squad 5.....	3682.....	10.1
Squad 6.....	3360.....	9.2

2011 Annual Report

WARREN FIRE DEPARTMENT

2011 Annual Report

Station Run District Responses

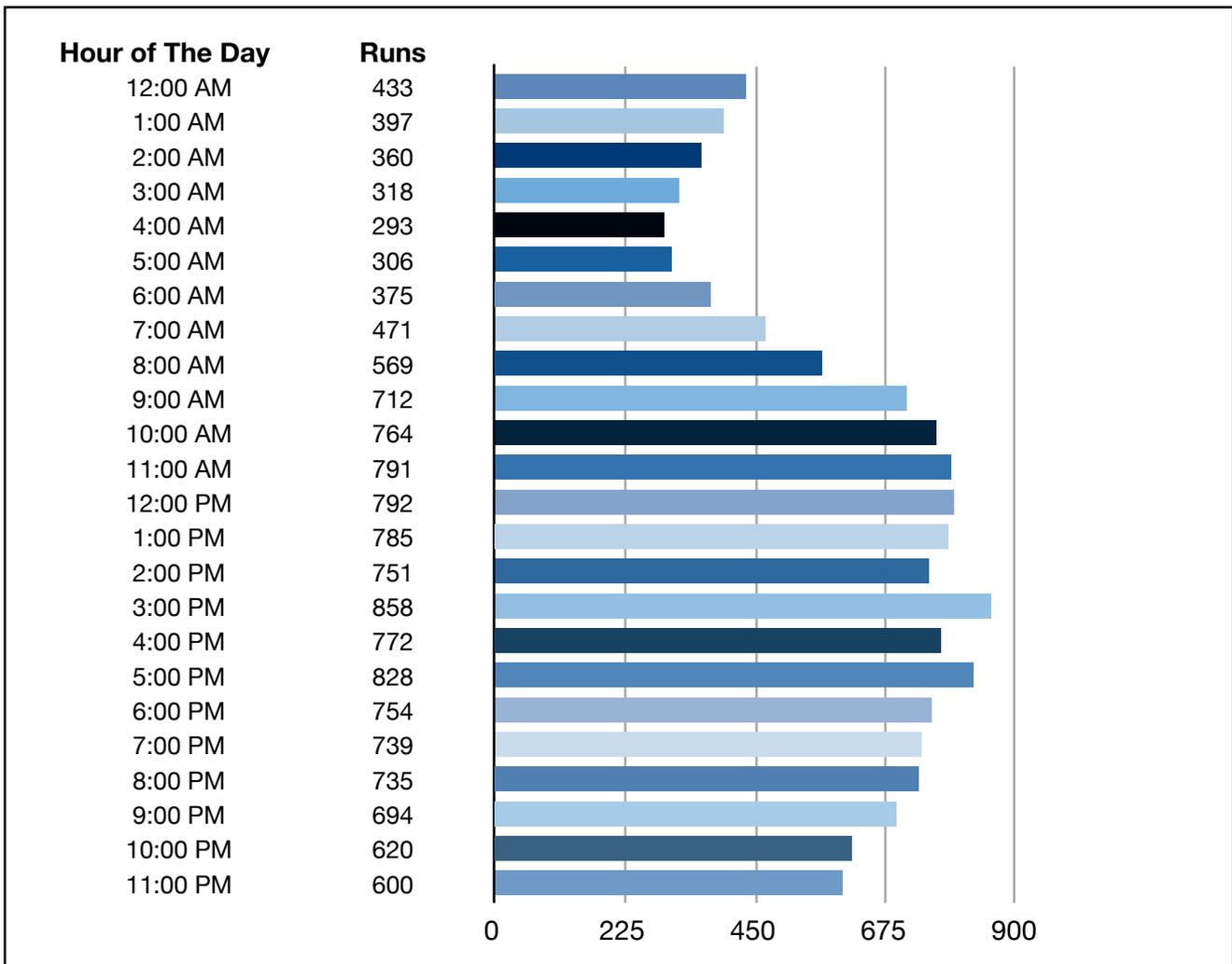
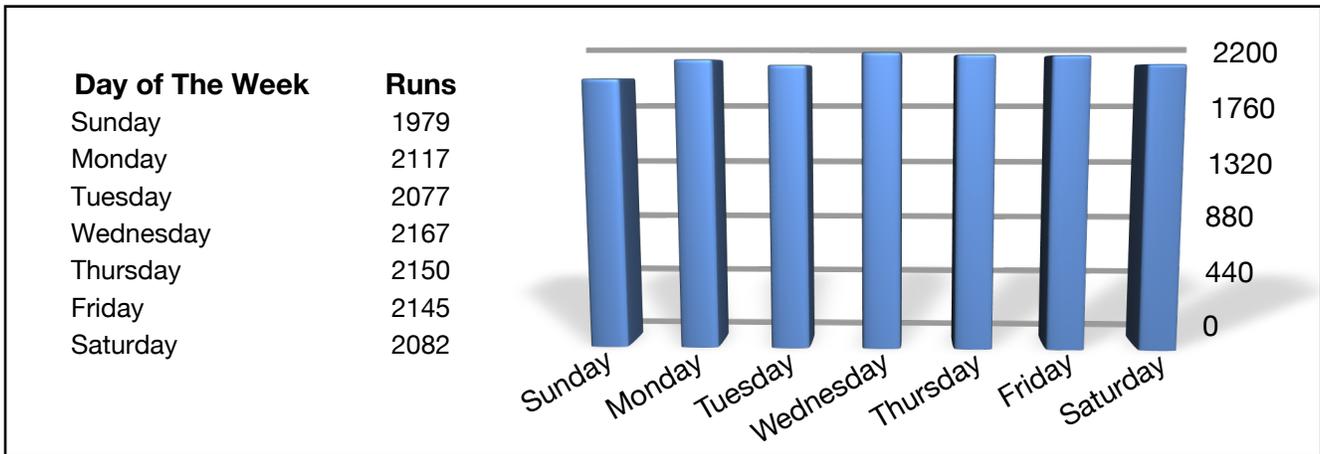


WARREN FIRE DEPARTMENT

2011 Annual Report

Incidents By Day of The Week and Hour of The Day

From: 01-01-2011 To: 12-31-2011



WARREN FIRE DEPARTMENT

2011 Annual Report

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	16	23	23	21	38	35	41	41	41	36	34	39	388
Workmens Comp	21	25	28	32	24	25	30	10	9	15	14	22	255
Quarter Time	11	15	10	4	0	0	0	0	0	0	0	0	40
Military Leave	1	1	1	0	2	1	5	0	0	0	1	1	13
Totals	49	64	62	57	64	61	76	51	50	51	49	62	696

Vacation, Personal Leave & Floating Holiday

Category	January	February	March	April	May	June	July	August	September	October	November	December	Total
Vacation	23	47	54	82	95	165	213	224	107	76	119	140	1345
Personal Leave	46	31	46	15	7	0	1	0	4	11	7	6	174
Floating Holiday	21	17	11	13	7	0	1	1	5	12	5	15	108
Totals	90	95	111	110	109	165	215	225	116	99	131	161	1627

Apparatus Out of Service

Category	January	February	March	April	May	June	July	August	September	October	November	December	Total
Apparatus Out of Service	1	7	6	14	18	27	31	29	14	12	16	36	211
Totals	1	7	6	14	18	27	31	29	14	12	16	36	211

WARREN FIRE DEPARTMENT

2011 Annual Report

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 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. During 2011, the Warren Fire Department provided mutual aid five times and requested mutual aid three times.

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

Date	Rendered/Received	City	Equipment	Remarks
February 18	Rendered	Eastpointe	Engine 2	House Fire
April 24	Rendered	Eastpointe	Engine 2	Commercial Fire
May 4	Received	Macomb County	Engine/Truck	Building Explosion
May 7	Received	Macomb County	Engine/Truck	Commercial Fire
June 21	Received	Detroit Tank Arsenal	Truck	Commercial Fire
October 28	Rendered	Hazel Park	Engine 2	House Fire
November 19	Rendered	Eastpointe	Engine 2	House Fire
December 9	Rendered	Eastpointe	Engine 2	House Fire

WARREN FIRE DEPARTMENT

2011 Annual Report

EMS DIVISION

The Warren Fire Department responded to 10,477 EMS runs and treated 10,385 patients in 2011, a 3.0% increase in patients treated over the year 2010. The Warren Fire Department transported 8,683 patients, transferred care 463 times and maintained care by riding with Universal Ambulance 14 times.

Run priorities and totals are listed as follows:

	2009	2010	2011	+/-	
Priority 1	362	453	544	+91	+20%
Priority 2	3,406	4,357	4,770	+413	+9.5%
Priority 3	5,410	5,049	4,802	-247	-4.9%
Priority 4	268	226	269	+43	+19%
Total	9,446	10,085	10,385	+300	+3.0%

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 license issued by the 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 successfully completed the I/C class put on by LSTI (Life Support Training Institute) and have applied to take the state exam in Lansing. I will then be responsible for WFD's certification by the State as an EMS Program Sponsor. This allows the department to be more flexible in our training dates, which better suits our shift schedules.

WARREN FIRE DEPARTMENT

2011 Annual Report

EMS Training/Education

The Michigan Department of Community Health requires paramedics and EMTs to obtain a certain number of continuing education credits in various topics throughout their respective licensing periods. There were 2,236 man hours of EMS training in 2011. Last year, 21 Paramedics and 17 Basic EMTs renewed their licenses through the continuing education classes held by the Warren Fire Department.

All paramedics are ACLS certified (Advanced Cardiac Life Support) as mandated by Macomb County Medical Control Authority Protocols. All personnel renewed their BLS cards in 2010 and are due to renew April of 2012.

Personnel

There currently are 59 Paramedics, 49 Basic EMTs, one EMT-S, and two Medical First Responders.

EMS Transport

The WFD has proven transport to be a successful adventure. Using trucks that were mothballed in 2004 and with a plan for “soft-billing” our residents, the Warren Fire Department returned to transport on January 25, 2010 with two paramedic squads. On March 4th a third squad was added, and on May 6th a fourth squad was placed in service. A fifth squad has been inservice intermittently this past year. An immediate goal is to have five squads continually in service, with a sixth intermittently inservice if manpower permits. Transport and billing has been a resounding success. Our residents are very happy with their Fire Department providing transport again. Through collections using a third party billing company, we’ve been able to generate revenue to cover costs and plan capital improvements for the future, something that hasn’t been done in many years.

WARREN FIRE DEPARTMENT

2011 Annual Report

Tactical EMS

As Chief of EMS, I am responsible for all EMS training, including the additional training needed for the nine member Tactical EMS Team. The Warren Police Special Response Team has requested that the Warren Fire Department take over the Tactical EMS duties that were previously performed by Universal Ambulance. Nine 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 Department of Homeland Security approved tactical training classes. Using Grant funding we were able to order the necessary specialized ensembles to outfit and train them. The Warren Fire Tactical EMS Team is fully operational and can assist the Warren Police Department in a variety of situations such as: high risk warrants, hostage rescue, barricaded suspects, sniper situations, armed fugitive arrests, civil disturbances and clandestine drug labs. This kind of commitment is unique to the eastern section of the United States. The Warren Fire Department continues to be innovative and progressive, finding ways to provide additional services throughout the City of Warren and in neighboring communities.

Future Goals

It is my goal to add two new paramedic squads by the end of this year. It is also my goal 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 work to expand the number of Tactical Medics necessary to support the Warren Police Department's Emergency Response Team. I will continue to improve the quality of care to the citizens of Warren by becoming more familiar with managing and organizing a solid EMS system.

Greg Wolski
Chief of EMS

WARREN FIRE DEPARTMENT

2011 Annual Report

2011 EMS Transport Receipts

The Warren Fire Department EMS treatment and transport service generated \$2.5 million in gross receipts during the 2011 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.

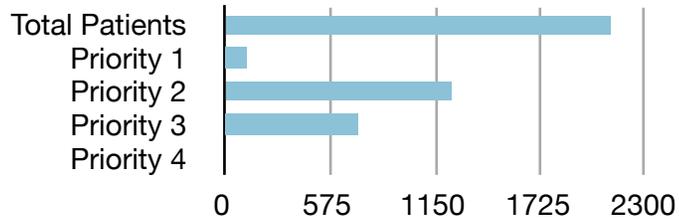
Month	Beginning Balance	Ending Balance	Revenue
January	\$1,605,689.00	\$1,740,810.00	\$135,121.00
February	\$1,740,810.00	\$1,845,471.00	\$104,661.00
March	\$1,845,471.00	\$2,057,222.00	\$211,751.00
April	\$2,057,222.00	\$2,461,606.00	\$404,384.00
May	\$2,461,606.00	\$2,739,427.00	\$277,821.00
June	\$2,739,427.00	\$2,997,339.00	\$257,912.00
July	\$2,997,339.00	\$3,233,660.00	\$236,321.00
August	\$3,233,660.00	\$3,418,218.00	\$184,558.00
September	\$3,418,218.00	\$3,559,942.00	\$141,724.00
October	\$3,559,942.00	\$3,750,694.00	\$190,752.00
November	\$3,750,694.00	\$3,965,198.00	\$214,504.00
December	\$3,965,198.00	\$4,134,984.00	\$169,786.00
		Total Revenue	\$2,529,295.00

WARREN FIRE DEPARTMENT

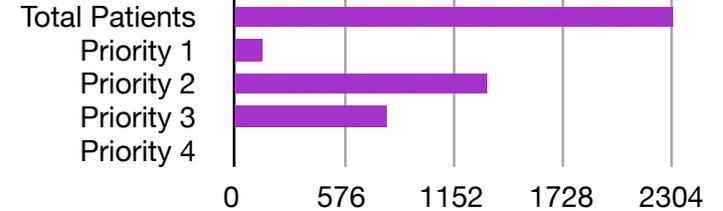
2011 Annual Report

Patient Care Report Totals By Squad and Priority

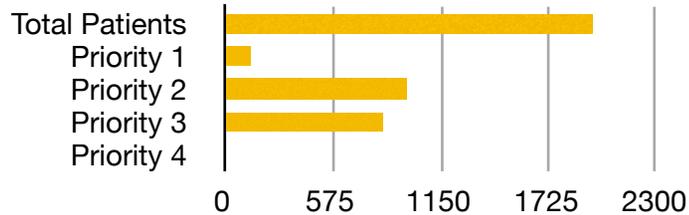
Squad 2	Priority 1	Priority 2	Priority 3	Priority 4
2112	123	1251	734	4



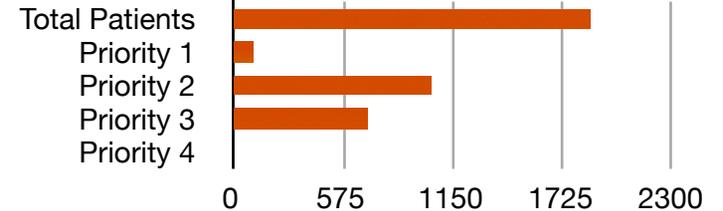
Squad 5	Priority 1	Priority 2	Priority 3	Priority 4
2304	150	1337	810	7



Squad 3	Priority 1	Priority 2	Priority 3	Priority 4
1959	147	967	843	2



Squad 6	Priority 1	Priority 2	Priority 3	Priority 4
1868	116	1042	707	3



Patient Care Reports Agency Run Statistics

Warren Fire Department

2011	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
AGENCY TOTAL	868	888	890	810	892	870	873	855	864	874	825	876	10,385
<i>Priority #1</i>	48	45	43	35	44	42	45	55	55	42	46	44	544
<i>Priority #2</i>	355	315	423	415	447	412	398	361	401	441	402	400	4,770
<i>Priority #3</i>	441	501	406	341	383	389	402	416	386	371	360	406	4,802
<i>Priority #4</i>	24	27	18	19	18	27	28	23	22	20	17	26	269
Aborted				2	3	1	1	1	5	7	1	3	24
Refused	122	125	124	87	83	102	113	109	91	91	92	88	1,227
Transport	719	725	730	683	768	726	716	707	733	738	696	742	8,683
Other	27	38	36	38	38	41	43	38	35	38	36	43	451
Sex: Male	387	397	392	338	416	365	400	386	393	400	356	413	4,643
Female	480	491	498	472	476	505	473	469	471	473	469	462	5,739
Age: < 1	6	6	8	3	5	7	9	12	3	5	6	3	73
1 - 10	11	19	23	19	10	23	25	17	14	23	22	17	223
11 - 17	27	24	36	27	30	24	24	21	29	22	26	24	314
18 - 25	82	76	72	75	81	80	77	72	86	75	71	67	914
26 - 35	78	89	90	76	101	82	71	76	74	70	73	81	961
36 - 45	106	114	105	108	117	96	129	93	110	103	103	95	1,279
46 - 55	127	136	136	121	136	140	124	134	133	148	140	141	1,616
56 - 65	87	92	81	94	88	111	108	117	120	109	106	121	1,234
> 65	335	325	325	283	319	304	299	307	287	314	273	322	3,693
Unknown	9	7	14	4	5	3	7	6	8	5	5	5	78
TOTAL RUNS	868	888	890	810	892	870	873	855	864	874	825	876	10,385
Acute Abdominal	37	33	34	26	37	32	31	42	38	34	17	27	388
Allergy Reaction	3	4	6	4	3	8	1	3	2	3		4	41
Behavioral	21	16	22	20	27	25	24	29	19	15	20	16	254
Burns	2	1	3	1	1		1	2	3		3	3	20
Cardiac	71	82	70	67	87	55	52	70	73	76	72	78	853
Chemical/Poison	2	1				1	1	1	3		1		10
Diabetic	28	26	30	30	39	30	33	26	29	36	30	31	368
Domestic Violence	3	1		3	4	3	1	1	4	1	2	1	24
Drug/Overdose	15	37	39	37	44	38	41	24	43	29	27	27	401
Environmental	2	1		1	5	2	7	1	2	1			22
Motor Veh Trauma Res/Un	35	37	40	35	19	47	36	34	34	38	36	39	430
Neonatal									1				1
OB/GYN	10	8	6	9	7	12	16	10	12	16	11	10	127
Other Illness	362	338	335	284	314	316	322	296	312	360	336	336	3,911
Other Trauma	126	127	115	132	136	140	146	157	140	108	112	140	1,579
Pedestrian vs M Veh	1		1	1	3	2	1	3	2	5	3	3	25
Respiratory Distress	75	94	90	75	81	72	80	75	77	78	78	72	947
Seizure/Convulsions	44	48	60	52	43	37	46	45	41	37	44	52	549
Stroke/CVA/TIA	12	17	19	14	21	18	12	17	9	12	15	12	178
Unconscious Unknown	19	17	20	19	21	32	22	19	20	25	18	25	257

Patient Care Reports Agency Run Statistics

Warren Fire Department

2011	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
RESPONSE TIMES													
1 - 5 Minutes	250	230	279	274	259	259	320	303	284	299	278	269	3,304
6 - 10 Minutes	527	539	522	464	544	531	475	498	502	506	489	527	6,124
11 - 15 Minutes	70	98	65	57	74	60	61	42	64	57	48	66	762
> 15 Minutes	18	21	23	13	14	16	15	12	12	10	10	10	174
Unreported	3		1	2	1	4	2		2	2		4	21
HOSP RUNS BY PRI													
Beaumont Royal Oak	2	4	5	4	4	5	6	5	11	12	15	9	82
<i>Priority #1</i>	1		1	2		1	1	1	2	2	5	1	17
<i>Priority #2</i>	1	1	2	2	1	2	5	4	7	10	7	7	49
<i>Priority #3</i>		3	2		3	2			2		3	1	16
Beaumont Troy			2		1	1		2	4	2	2	3	17
<i>Priority #1</i>													
<i>Priority #2</i>			1		1	1		1	2			1	7
<i>Priority #3</i>			1					1	2	2	2	2	10
Detroit Childrens Hospital		1	1			1	1		1	1	5	5	16
<i>Priority #1</i>						1			1		2	1	5
<i>Priority #2</i>		1	1				1			1	3	3	10
<i>Priority #3</i>												1	1
Detroit Receiving Hospital							1	1	3	1	1	5	12
<i>Priority #1</i>								1	2			4	7
<i>Priority #2</i>							1		1		1	1	4
<i>Priority #3</i>										1			1
Henry Ford Detroit				1		1	1		1		1		5
<i>Priority #1</i>											1		1
<i>Priority #2</i>				1			1		1				3
<i>Priority #3</i>						1							1
Henry Ford Macomb	1		1	3	8	5	4	11	9	11	2	2	57
<i>Priority #1</i>								2	1				3
<i>Priority #2</i>			1		7	4	2	5	6	7	1	2	35
<i>Priority #3</i>	1			3	1	1	2	4	2	4	1		19
Henry Ford Macomb-Warren	189	179	140	154	178	150	175	146	146	144	135	141	1,877
<i>Priority #1</i>	11	12	11	12	8	6	7	8	10	7	7	10	109
<i>Priority #2</i>	102	80	75	91	111	85	93	77	73	84	76	67	1,014
<i>Priority #3</i>	76	87	54	51	59	59	75	61	63	53	52	64	754
Mt Clemens Regional			1				1		2			2	6
<i>Priority #1</i>			1									2	3
<i>Priority #2</i>							1		2				3
<i>Priority #3</i>													
St John Detroit	8	3	2	1	4	4	12	6	4	11	6	6	67
<i>Priority #1</i>	1	1			2	1	5	2	2	3	3	2	22
<i>Priority #2</i>	4	1	2	1		3	3	2	2	7	3	4	32
<i>Priority #3</i>	3	1			2		4	2		1			13

Patient Care Reports Agency Run Statistics

Warren Fire Department

2011	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
St John Macomb	281	294	345	319	348	326	297	318	332	349	357	353	3,919
<i>Priority #1</i>	25	19	22	11	22	15	12	25	22	16	21	18	228
<i>Priority #2</i>	137	149	225	204	219	207	197	171	198	226	233	212	2,378
<i>Priority #3</i>	119	126	98	104	107	104	88	122	112	107	103	123	1,313
St John Oakland	194	199	189	165	187	176	180	181	183	176	146	175	2,151
<i>Priority #1</i>	9	13	8	10	12	18	19	16	14	14	7	6	146
<i>Priority #2</i>	103	75	101	107	95	83	81	89	98	91	69	91	1,083
<i>Priority #3</i>	82	111	80	48	80	75	80	76	71	71	70	78	922
HOSP TOTAL	675	680	686	647	730	669	678	670	696	707	670	701	8,209

WARREN FIRE DEPARTMENT

2011 Annual Report

Fire Prevention Division

In 2011, the Fire Prevention Division continued to perform the 3 main duties of Fire Prevention; education, prevention and fire investigation.

We performed annual inspections, certificate of occupancy inspections and final 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 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.

In cooperation with the Fire Fighting Division, 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 2011 with 690 preschool through 3rd grade students and 130 high school students attending fire prevention classes.

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

Inspection Number and Type	Number of Reports
1. Certificate of Occupancy	279
2. Annual Inspections	140
3. Final Inspections	007
4. Re-inspections	078
5. Alarm Tests	035
6. Site Plan Reviews	112
7. Building Plan Reviews	003

WARREN FIRE DEPARTMENT

2011 Annual Report

8.	Fire Investigations	090
9.	Fire Investigation Reports	109
10.	Court/District Appearances	000
11.	Court/Circuit Appearances	004
12.	Complaints	049
13.	Phase One Environmental Site Reviews	021
14.	CDBG Site Reviews	022
15.	Code Compliance Meetings	036
16.	Fire Safety Programs/Schools	015
17.	Fire Safety Programs/Private	000
18.	Hydrant Flow Tests	012
19.	Acceptance Tests - Fire Suppression Non Water	001
20.	Sprinkler System Hydro Test	017
21.	Sprinkler System Underground Flushes	005
22.	School/Training Classes	022
23.	FOIA Requests	033
24.	Haz Mat Related Activities	005
25.	Pre-final Walk Throughs	042
26.	Fire Suppression Plan Reviews	033
27.	Fire Alarm Plan Reviews	029
28.	Fire Suppression Puff Tests	022
29.	License Compliance Inspections	039
30.	Knox Box Compliance/Inspections	023

	Total Inspection Activities	1283

WARREN FIRE DEPARTMENT

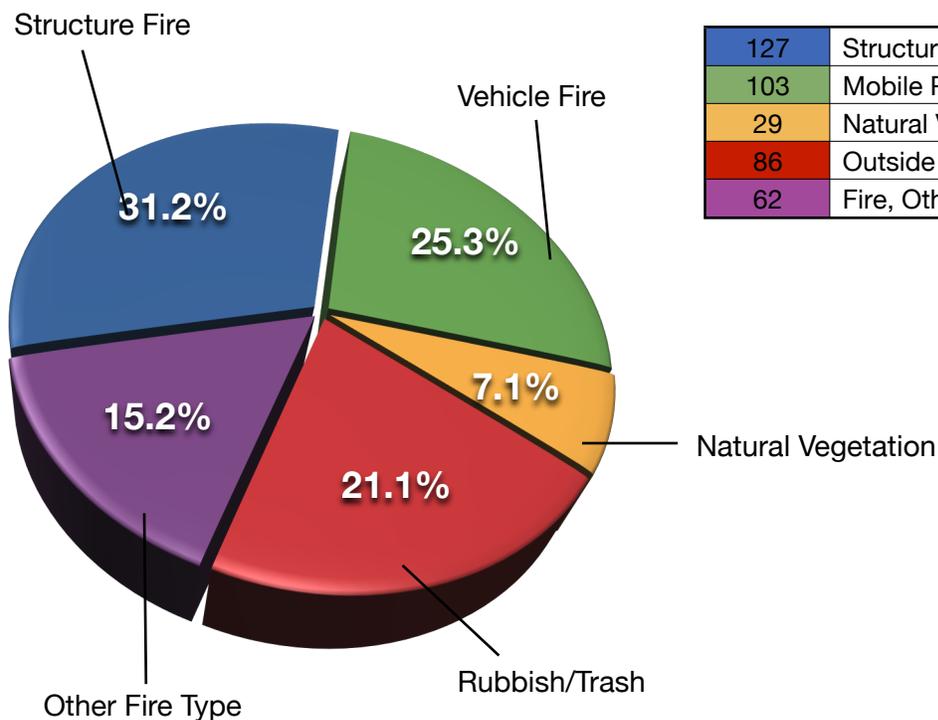
2011 Annual Report

2011 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.

Comparison of Fire Types

From: 01/01/2011 To: 12/31/2011



127	Structure Fire
103	Mobile Property (vehicle) Fire
29	Natural Vegetation
86	Outside Rubbish
62	Fire, Other Type

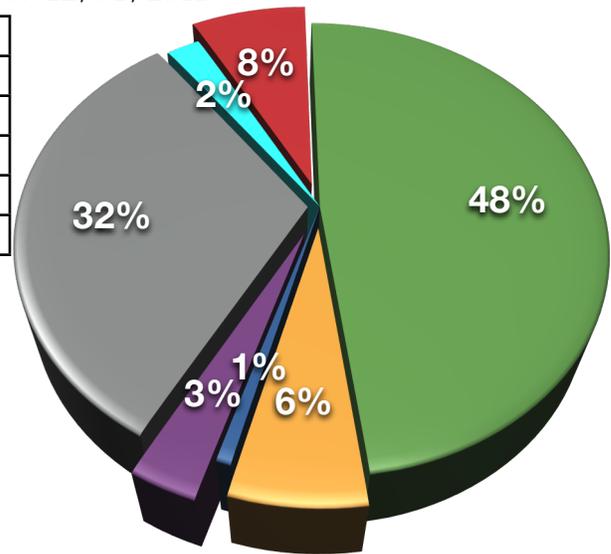
WARREN FIRE DEPARTMENT

2011 Annual Report

Comparison of Fire Causes

From: 01/01/2011 To: 12/31/2011

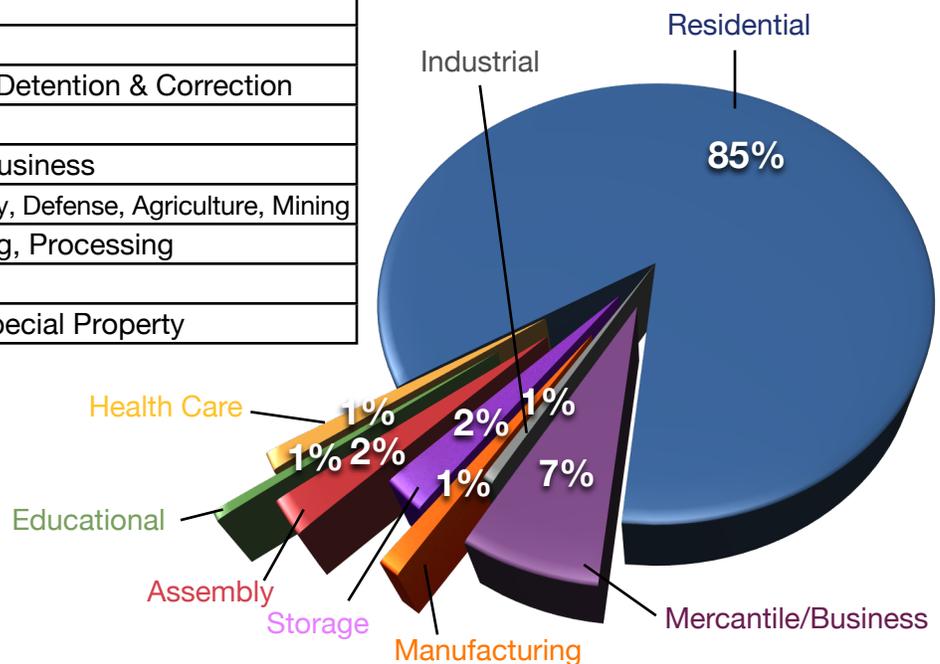
21	Intentional
134	Unintentional
18	Failure of Equipment
2	Act of Nature
9	Under Investigation
88	Undetermined
6	Other (Exposure Fire)



Comparison of Property Class

From: 01/01/2011 To: 12/31/2011

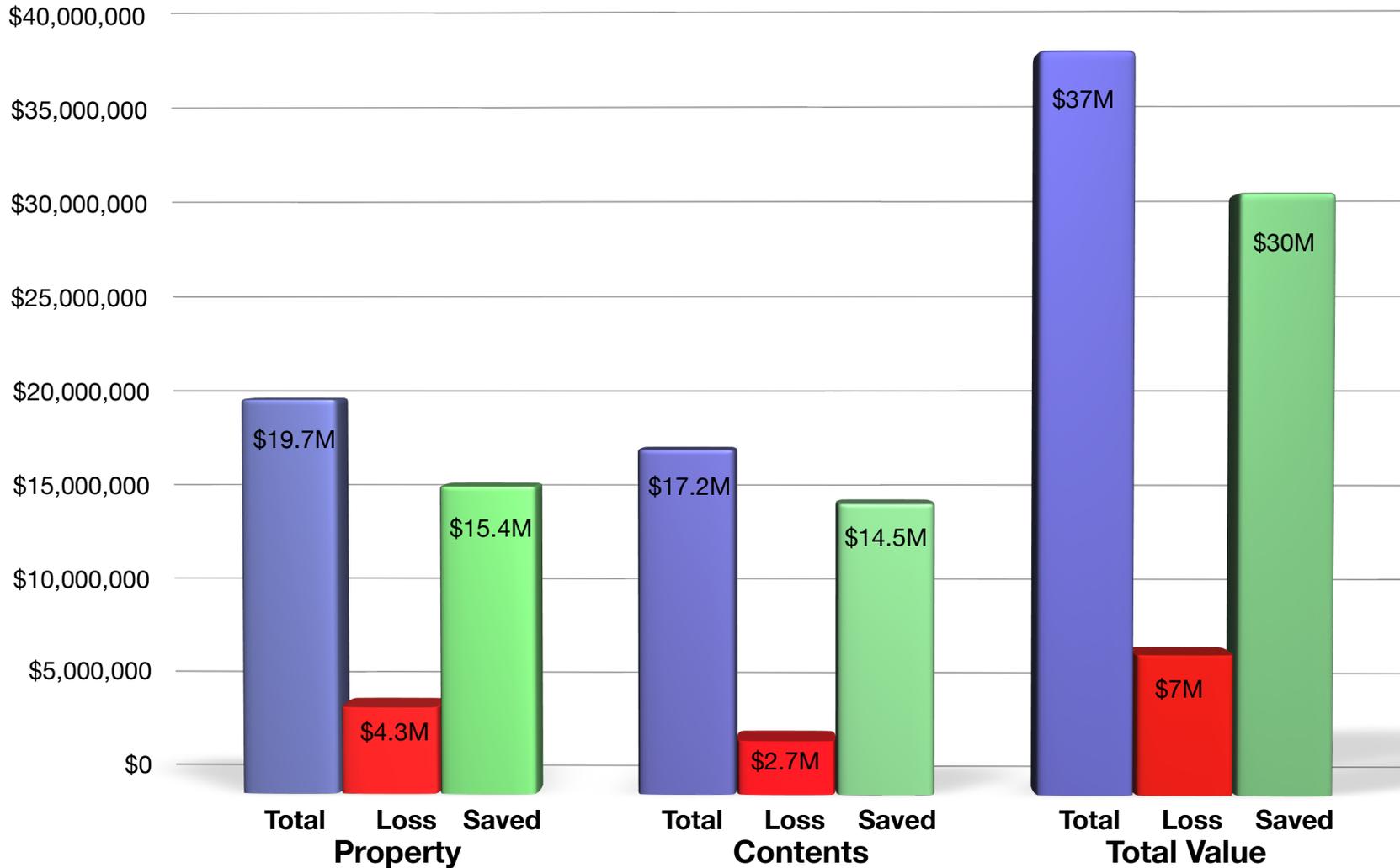
4	Assembly
1	Educational
2	Health Care, Detention & Correction
149	Residential
12	Mercantile, Business
1	Industrial, Utility, Defense, Agriculture, Mining
2	Manufacturing, Processing
4	Storage
0	Outside or Special Property



WARREN FIRE DEPARTMENT

2011 Annual Report

Comparison of Property Value, Loss & Saved in Fires
From: 1/1/2011 To: 12/31/2011



WARREN FIRE DEPARTMENT

2011 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
00495	1/13	2189 Jarvis	Residential	\$25,000	\$20,000	0	0	0	Fire origin in rear bedroom. Fire cause is unintentional.
00605	1/16	3743 Otis	Residential	\$90,000	\$20,000	0	0	0	Fire origin is undetermined. Fire cause is undetermined.
00709	1/19	24620 Stewart	Residential	\$50,000	\$30	0	1	0	Fire origin in bedroom. Fire cause is undetermined.
01212	2/2	26156 Buster	Residential	\$60,000	\$5,000	0	0	0	Fire origin in bedroom. Fire cause is undetermined.
02122	2/23	27454 Marilyn	Residential	\$80,000	\$50,000	0	0	0	Fire origin in the kitchen. Fire cause is unintentional.
02409	3/2	23822 Eureka	Residential	\$25,000	\$8,000	0	0	0	Fire origin in the kitchen. Fire cause is unintentional.
02514	3/5	20781 Elroy	Residential	\$60,000	\$10,000	0	0	0	Fire origin in the kitchen. Fire cause is unintentional.
02614	3/7	14095 Stephens	Multifamily dwelling	\$30,000	\$1,000	0	0	0	Fire origin in kitchen. Fire cause is unintentional.
02632	3/7	12740 Prospect	Residential	\$30,000	\$10,000	0	0	0	Possible fire origin in utility room. Fire cause is unintentional.

WARREN FIRE DEPARTMENT

2011 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
03015	3/18	25651 Firwood	Residential	\$70,000	\$25,000	0	0	0	Fire origin in utility room. Fire cause is undetermined.
03097	3/20	7512 Nine Mile	Commercial	\$150,000	\$150,000	0	0	0	Fire origin in attic. Fire cause is undetermined.
03293	3/24	22066 Panama	Residential	\$70,000	\$35,000	0	1	0	Fire origin in kitchen. Fire cause is unintentional.
03329	3/25	11212 Sherman	Residential	\$45,000	\$30,000	0	0	0	Fire origin in living room/hallway. Fire cause is undetermined.
03960	4/11	11305 Maxwell	Residential	\$45,000	\$15,000	0	0	0	Fire origin in living room. Fire cause is undetermined.
04451	4/24	8260 Hupp	Residential	\$30,000	\$5,000	0	0	0	Fire origin on 2nd floor of bungalow. Fire cause is undetermined..
04691	4/30	29200 Gloede	Multifamily dwelling	\$250,000	\$40,000	0	0	0	Fire origin in kitchen of 1st floor unit. Fire cause is undetermined.
04839	5/4	23780 Hoover	Commercial	\$250,000	\$125,000	0	0	0	Commercial bldg explosion. Natural Gas. Total loss. Fire cause is intentional.
04876	5/5	11800 Nine Mile	Commercial	\$100,000	\$100,000	0	0	0	Commercial roof fire extending into upstairs storage space. Fire cause is undetermined.

WARREN FIRE DEPARTMENT

2011 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
04935	5/7	13251 Stephens	Commercial	\$100,000	\$500,000	0	0	0	Fire origin in the area of a large paint booth. Fire damage confined to area of origin. Fire cause is unintentional.
05039	5/10	7504 Jackson	Residential	\$45,000	\$5,000	0	0	0	Fire origin in the basement. Fire cause is undetermined.
05804	5/28	14920 Alberta	Residential	\$70,000	\$10,000	0	0	0	Fire origin in kitchen or laundry room. Fire cause is unintentional.
06467	6/11	8250 Nine Mile	Commercial	\$200,000	\$100,000	0	0	0	Commercial building fire. Roof collapsed. Fire cause is intentional.
06493	6/11	21419 Van Dyke	Commercial	\$50,000	\$15,000	0	0	0	Fire origin in the kitchen. Careless cook. Fire cause is unintentional.
06826	6/21	2243 Nine Mile	Commercial	\$75,000	\$30,000	0	0	0	Fire origin near rear overhead door. Fire cause is intentional.
07061	6/26	24964 Beierman	Residential	\$138,000	\$100,000	0	0	0	Fire origin in basement. Fire cause is undetermined.
07091	6/27	12100 Masonic	School property	\$30,000	\$0	0	0	0	Outside storage fire. No building involved. Fire cause undetermined.
07739	7/12	31025 Ryan	Commercial	\$40,000	\$90,000	0	0	0	Car wash/ service station. Fire cause is intentional.

WARREN FIRE DEPARTMENT

2011 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
08262	7/23	25301 Loretta	Residential	\$60,000	\$6,000	0	0	0	Single family dwelling. Origin in attic. Fire cause is unintentional.
08389	7/26	26029 Virginia	Residential	\$25,000	\$5,000	0	0	0	Single family dwelling. Origin in kitchen. Fire cause is undetermined.
09172	8/14	29340 Dequindre	Multifamily dwelling	\$200,000	\$10,000	0	0	0	Fire origin in bedroom of 2nd floor unit, 201. Fire cause is unintentional.
09709	8/26	7275 Dodge	Residential	\$55,000	\$15,000	0	0	0	Natural gas explosion. House is total loss. Fire cause is undetermined.
11759	10/14	26867 Crystal	Residential	\$30,000	\$10,000	0	0	0	Single family dwelling. Fire origin in basement. Fire cause is undetermined.
12323	10/26	22270 Eastwood	Residential	\$45,000	\$0	0	0	0	Single family dwelling. Natural gas explosion. Fire cause is undetermined.
12679	11/5	26613 Hoover	Commercial	\$50,000	\$50,000	0	0	0	Commercial restaurant. Fire origin in kitchen. Fire cause is undetermined.
13332	11/20	14350 Nine Mile	Commercial	\$300,000	\$400,000	0	0	0	Grocery store. Fire origin in mechanical room. Fire cause is unintentional.
13803	12/3	31777 Flynn	Commercial	\$30,000	\$40,000	1	0	0	Commercial florist shop. Fire origin in front storage room. Fire cause is undetermined.

WARREN FIRE DEPARTMENT

2011 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
14098	12/11	8491 Timken	Residential	\$40,000	\$30,000	0	2	0	Single family dwelling. Fire origin in kitchen. Fire cause is undetermined.
14383	12/18	8062 Studebaker	Residential	\$40,000	\$30,000	0	0	0	Single family dwelling. Fire origin in bedroom. Fire cause is intentional.
14801	12/28	8235 Toepfer	Residential	\$40,000	\$10,000	0	1	0	Single family dwelling. Fire origin in vicinity of electric meter. Fire cause is undetermined.
14873	12/30	5120 Trailwood Ln	Residential	\$100,000	\$20,000	0	0	0	Single family dwelling. Fire origin in basement. Fire cause is unintentional.
14937	12/31	3630 Shampo	Residential	\$90,000	\$65,000	0	0	0	Single family dwelling. Fire origin in bedroom. Fire cause is unintentional.
Totals				\$3,313,000	\$2,190,030	1	5	0	

WARREN FIRE DEPARTMENT

2011 Annual Report

APPARATUS DIVISION

The Apparatus Division underwent major changes in 2011. On July 1, 2011 the DPW took over all fleet maintenance and repairs. This consolidation of services has brought better efficiency and cost savings, but has created new challenges in the areas of logistics and coordination of the two departments. The City also bought and placed in service four new EMS Transport Squads in 2011. These are GM chassis/AEV units that are smaller, lighter, and better riding than our traditional Squads. These units offer a more comfortable patient environment during transport to the hospital. They also cut Squad operating expenses by 60%, from \$60,247 in 2010, to \$23,504 in 2011.

Two unforeseen events took a toll on the department's fleet and placed some strain on the department's apparatus resources.

Feb 2011: Engine 1 was totaled in a roll over accident.

Mar 2011: Engine 7 was retired due to heavy rust damage to the frame.

In preparation for the upcoming 2012 fire department ISO inspection, the department apparatus, equipment, training and procedures were scrutinized to determine what could be done to maintain or improve the previous ISO inspection's *4 - excellent* rating. To that effect, we replaced items not thought to meet ISO standards. In doing so we incurred additional costs of \$28,746.73. Even though we have less equipment and manpower than our last inspection in 1984, I believe we will hold onto our excellent rating of 4 and possibly move up to a 3. This has the potential to save Warren residents & business owners considerable money on their fire insurance costs.

Total expenditures for the year came to \$236,180.21. This is a 10% jump from last year's \$211,939.24. Most of the increase was due to preparing for the ISO inspection. The department ordered 4 new fire engines with delivery expected in the summer of 2012. This should drastically reduce expenditures on apparatus repair and maintenance in 2012.

Our Fire fleet is comprised of 7 pumpers, 7 squads, 2 aerials, 1 heavy rescue and 23 light duty vehicles. Of the \$236,180.21 spent in 2011, 65% or \$154,599.56 went directly into maintenance & repairs of the fleet.

Below is a breakdown of expenditures on apparatus, testing and equipment:

WARREN FIRE DEPARTMENT

2011 Annual Report

APPARATUS DIVISION

Engine 1: \$3,780.34 (auctioned)

Engine 9: \$5,216.43

Engine 2: \$18,329.95

Truck 1: \$11,611.59

Engine 3: \$14,524.98

Truck 4: \$8,624.29

Engine 4: \$7,472.51

Rescue 4: \$9,848.76

Engine 5: \$19,672.31

Reserve Squads: \$23,390.11
(6 rigs - 3 Freightliners & 3 Internationals)

Engine 6: \$14,697.02

EMS Transport Squads: \$114.00
(4 New Chevrolet rigs, all under warranty)

Engine 7: \$0 (auctioned)

Engine 8: \$10,597.80

TOTAL MAINTENANCE & REPAIRS = \$236,180.21

Fire Engines = \$83,693.54

Fire Pump Testing = \$1,750

Reserve Fire Engine = \$10,597.80

Fire Hose Testing = \$6,917.40

Aerial Trucks = \$20,235.88

Electrical Glove & Cutter Testing = \$500

Heavy Rescue = \$9,848.76

Hurst Tool Testing & Repairs = \$1,325.86

EMS Transport Squads = \$23,504.11

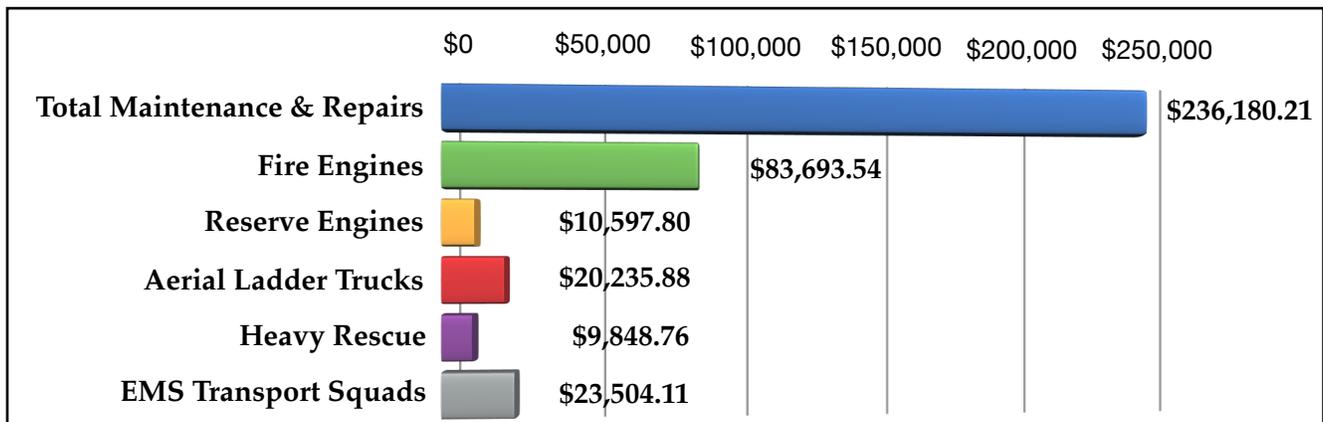
ISO Equipment Replacement = \$28,746.73

SCBA Testing & Repairs = \$8,661.72

Light Fleet (23 Vehicles) = \$10,316.38

Aerial & Ladder Testing = \$2,327.50

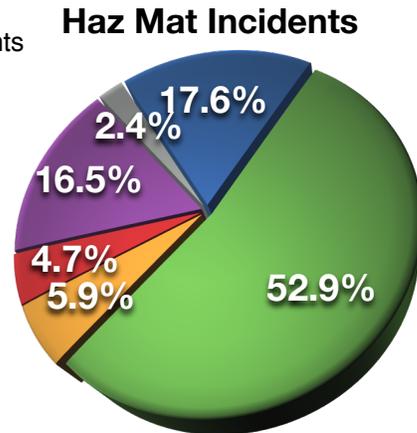
Equipment & Supplies = \$27,754.53



Special Operations Division Hazardous Materials Report

In 2011 the Warren Fire Department responded to 85 incidents identified as involving some type of hazardous substance release.

15	Flammable/Combustible Liquid or Gas
45	Natural Gas or Propane Leak
5	Oil or Other Combustible Liquid
4	Chemical Hazard (No Spill)
14	Carbon Monoxide
2	Other



Hazardous Materials Training

During 2011 the Hazardous Materials Team received 739.5 man hours of training in 9 training sessions. The average attendance at monthly training was 15 personnel which represents about 65% of the members currently assigned to the team. Hazardous Materials Team training sessions provide an average annual training of 31 hours 50 minutes per member. Our Fire Department had an additional total of 340 man hours of training in Haz-Mat recognition for 2011.

Macomb County Hazardous Materials Response Team

In 2011 The four Regional Response Teams in Macomb County, Warren, Sterling Heights, Clinton Township, and Shelby Township had progressed to a single Regional Response Team and a County Hazardous Materials Team. The concept is complete and a formal agreement has been signed by the respective legal departments. The team is expected to be up and running by May of 2012. It is comprised of 45 hazardous materials technician or specialist trained personnel from around the county. Warren Fire currently have 10 personal on the team. This cooperative effort will bring additional monies for training and equipment to our departments. All of the departments will continue to maintain their individual hazardous materials response capability and this new consortium will be an additional resource in the county.

New Equipment Acquisitions

During 2011, the Warren Fire Department was able to secure some additional equipment by way of a Metropolitan Medical Response System (MMRS) Grant. The new equipment is valued at \$13,900 and has added new capabilities to our department.

March 7, 2011 - The Fire Department received 8 MSA 4 Gas meters and a Calibration machine at a cost of \$7,700. These meters replaced meters that were out of service 4 years ago. In May our department also purchased 8 Will-Burt tac sticks to check for power in DTE wires down.



December 15 2011- The department purchased a Radiological Calibrator for all our 23 Gamma dosimeters. The value of this purchase was \$4,100

2011 Annual Report

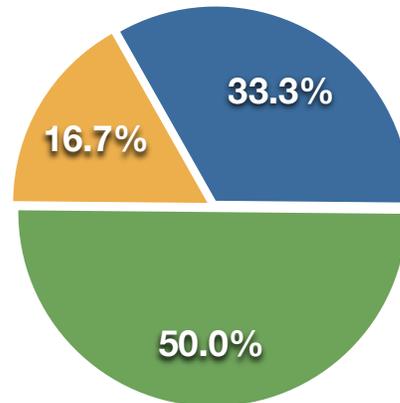
Special Operations Division

Technical Rescue

In 2011 the Warren Fire department responded to 6 incidents identified as involving some type of technical rescue expertise.

2	Elevator Rescue
3	Partial/Total Building Collapse
1	Trench Extrication

Tech Rescue Responses



Technical Rescue Training

During 2011 the Tech Rescue Team received 221 man hours of training in 3 training sessions; 2 county training exercises and 1 city exercise. Training sessions provided an average training of 10 hours per member. MMRS Grant monies provided additional training for 18 of our city team members, enhancing our knowledge and response capabilities in 4 different rescue disciplines.

Macomb County Technical Rescue Team

In 2011 the four Regional Response Teams in Macomb County, Warren, Sterling Heights, Clinton Township, and Shelby Township had progressed to a single Regional Response Team and a County Hazardous Materials Team. A formal agreement has been signed by the respective city legal departments. The team is now deployable. 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 our departments. All of the departments will continue to maintain their individual tech rescue response capability and this new consortium will be an additional resource in the county.

