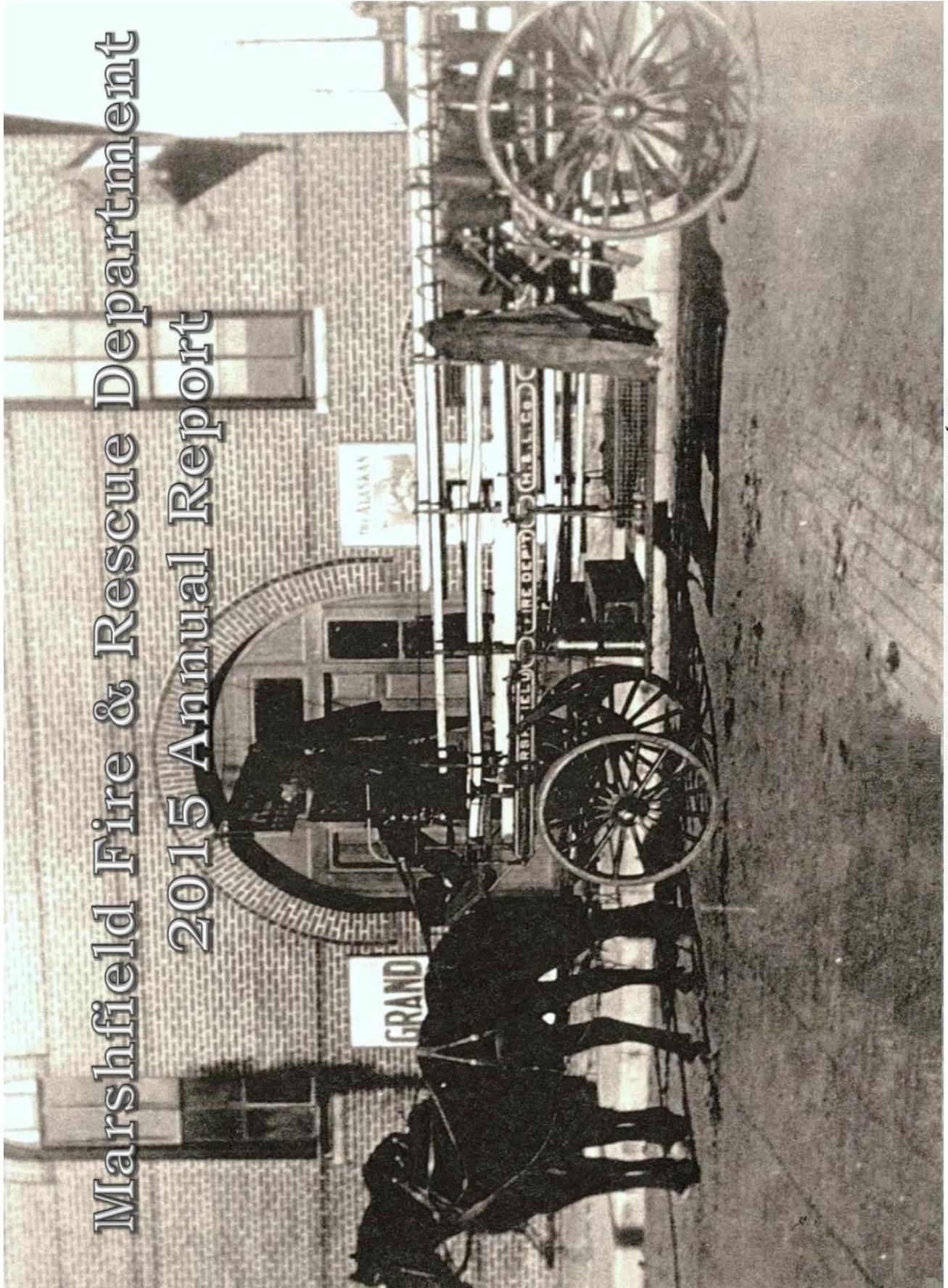


# Marshfield Fire & Rescue Department 2015 Annual Report



MARSHFIELD FIRE DEPARTMENT'S HOOK AND LADDER WAGON  
IN FRONT OF THE ADLER OPERA HOUSE - C. 1924

514 East Fourth Street  
Marshfield, WI 54449  
PHONE (715) 486-2094  
FAX (715) 384-8868  
mfrd@ci.marshfield.wi.us



Robert P. Haight III  
Fire Chief

## FIRE & RESCUE DEPARTMENT

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February 15, 2016

Mayor Chris Meyer  
Common Council Members  
Police and Fire Commission Members  
City Administrator Steven Barg  
City of Marshfield Residents

Ladies and Gentlemen:

I proudly present the 2015 annual report for the Marshfield Fire and Rescue Department (MFRD). This report reflects the summary narrative and statistics, which only begin to reflect the many accomplishments of our dedicated staff. These accomplishments would not have been possible if not for the vision and dedication of the Police and Fire Commission, the investment and support of the Common Council and elected or appointed officials, and ultimately the support from the public we proudly serve.

### Operational Review

MFRD saw an increase of 198 calls over 2014. Fire calls had an increase of 19, mainly in the area of Hazardous Conditions Standby and showed a decrease in the amount of fire loss as compared to 2014. EMS calls showed an increase of 179 calls over 2014.

We continue to monitor our response times to fire and emergency medical calls on a regular basis. Preemptive intersection lighting appears to be having a positive effect on reducing the degradation of response times within the City. Last year (2015) saw all intersections with lights being supplied with this technology. This equipment operates by switching all traffic lights to favor emergency equipment as they approach an intersection. However, the use of this technology is only one tool designed to minimize response times and there are still factors that are beyond our control (distance from apparatus, increasing community boundaries, number of concurrent calls, etc.).

The Regional Fire Training Center located at 2615 South Vine Avenue in Marshfield was developed through a partnership with Mid-State Technical College (MSTC) and the city of Marshfield in 2006. This facility continues to provide many opportunities to train our members and certify fire service students in the MSTC district.

The MFRD and those individuals expected to play key roles as outlined in our Emergency Operations Plan (EOP), continue to work to improve Marshfield's response to large scale emergencies. The establishment of the Rescue Task Force concept to handle incidents involving persons injured during an attack in which the Police have not been able to fully secure the scene of the attack. This is a continuation of our drill of a lone gunman at Marshfield High School in 2014. Every drill conducted by the Emergency Planning Committee advances our emergency response capabilities as well as helping to build a strong working relationship between those public and private agencies who will be working together.

### Financial Review

Overall, all three budgets administered by the MFRD operated within the 2015 budget parameters. Specifically, we continue to operate our fire prevention and protection budgets as anticipated. Our ambulance operation revenue has experienced a continued increase in write-offs, mainly due to increased write-offs, specifically in Medicare payments, which run around two thirds of our total ambulance trip billing. We have seen these write-offs grow from \$82,627 (10.3%) in 2009 to \$431,738 (33.7%) in 2015 of our total ambulance trip billing. This accounts for a \$349,111 increase in total Medicare write-offs over the last seven years. Closely monitoring fees and contracts has allowed us to continue to see a positive fund balance.

MFRD had previously developed an Apparatus Replacement Schedule with the assistance of the City's Finance Director and City Administrator, to minimize the financial impact in these large ticket purchases. This schedule has been embraced by both the Police and Fire Commission and the Common Council and is listed in this report for the first time

Lastly, we began actively working on accreditation of the MFRD through the Center for Public Safety Excellence (CPSE). This extensive process will take approximately three to four years to complete. One of the key benefits of this process is realized by receiving an internal along with a third party audit and evaluation of all services provided by the MFRD. If successful, the MFRD will be recognized as one of a growing number of fire departments throughout the nation that continue to strive for excellence.

With these changes, we will continue to provide the residents of the city of Marshfield with the type of fire and emergency medical services they expect and deserve.

### Summary

Overall, I am very pleased with the progress the department has made in 2015. In 2016, we will continue to evaluate and improve upon the services we provide and we are looking forward to the challenges of the future. We have planned another ambitious year and we will continue to seek improvements to serve our citizens in the most cost-effective and equitable manner as possible.

Respectfully,

Robert P. Haight III, Fire Chief  
Marshfield Fire and Rescue Department

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## FIRE AND RESCUE DEPARTMENT PROFILE

Emergency 911

Non-Emergency 715-486-2094

### Personnel

- 37 full-time members.
- Governed by a five member police and fire commission.

### Services Provided

#### Emergency Medical Service

- Advanced Life Support (ALS) and Basic Life Support (BLS) services for the city of Marshfield and thirteen townships and villages in the central Wisconsin area (314.895 square miles).
- Neonatal transports, pediatric transports, and paramedic intercepts for Ministry Saint Joseph's Hospital Spirit of Marshfield program.
- Falls prevention program.
- Emergency medical services education/internship for students from three technical college districts.
- Emergency medical services for special events.

#### Fire Prevention

- Fire inspections for the city of Marshfield businesses and multi-family residences (approximately 2,500 annually).
- Fire prevention perspective of development plan reviews for new construction.
- Pre-fire planning.
- Fire prevention education.
- Juvenile fire safety program for Marshfield and surrounding areas.
- Fire investigation services for Marshfield and Wood County.
- Under ground and above ground storage tank program (UST/AST) coordination.
- Sprinkler plan review.
- Emergency site plan development and updating for local businesses.

#### Fire Protection

- Fire suppression for the city of Marshfield (13.692 square miles).
- Hazardous materials response for the northern half of Wood County.
- Hazardous materials response for State of Wisconsin as a type III response.
- Fire protection education/internship for students from three technical college districts.
- Fire protection for special events.
- Co-management of Marshfield emergency management program.
- Special response rescue for central Wisconsin (confined space, trench collapse, elevated extrication, and collapse).
- Foam suppression units for central Wisconsin flammable liquid fires/releases.

## Financial Overview

- 2015 Fire and Rescue Department Expenditures
- 2015 Fire and Rescue Department Revenues

## Service Area

- Fire Service – City of Marshfield – 13.692 square miles
- Ambulance Service – City of Marshfield, three villages and ten townships, 314.895 square miles, population 31,913

## Typical Annual Response (five year average)

- 241 Fire Related Responses
- 2,529 Emergency Medical Responses

2015

MAYOR, CITY ADMINISTRATOR, AND MEMBERS OF THE COMMON COUNCIL

Mayor

Chris L. Meyer

City Administrator

Steve Barg

Alderspersons

1 <sup>st</sup> District		Michael Feirer
2 <sup>nd</sup> District		Alanna Feddick
3 <sup>rd</sup> District		Chris Jockheck
4 <sup>th</sup> District		Gordon Earll
5 <sup>th</sup> District		Ed Wagner
6 <sup>th</sup> District		Rich Reinart
7 <sup>th</sup> District	(President)	Gary Cummings
8 <sup>th</sup> District		Rebecca Spiros
9 <sup>th</sup> District		Tom Buttke
10 <sup>th</sup> District		Peter Hendler

2015

OFFICERS OF FIRE AND RESCUE DEPARTMENT ORGANIZATION

Police and Fire Commission

President	Andy Keogh
Vice President	Mike Meyers
Secretary	Nate Mueller
Commissioner	Terry Frankland
Commissioner	Randy Gershman

Fire Fighters Local 1021

President	Brad Breuer
Vice President	Lance Christopher
Secretary/Treasurer	Eric Lang
Executive Board	Peter Fletty
Executive Board	Ben Griesbach
Executive Board	Erik Jonas

# ADMINISTRATIVE STAFF



Fire Chief Robert Haight  
Date of Hire 06/10/1990  
Paramedic



\*Deputy Chief Ed Erickson  
Date of Hire 01/14/1990  
Fire Prevention Coordinator



\*Deputy Chief Scott Owen  
Date of Hire 07/08/1996  
EMS Coordinator



Sue Berger  
Administrative Assistant III  
Date of Hire 11/15/1995

\*Denotes one or more committee

# GREEN SHIFT



\* Deputy Chief Craig DeGrand  
Date of Hire 02/25/1986  
EMT  
Department Training Officer  
FTO/Apprenticeship Coordinator



Lieutenant Jon Lucareli  
Date of Hire 11/07/1994  
EMT  
Special Response Team



\* Fire Fighter Jeff Barth  
Date of Hire 06/17/1996  
EMT/Relief Lieutenant  
Special Response Team



\* Fire Fighter Jason Foth  
Date of Hire 06/26/1998  
Paramedic  
Special Response Team



\* Fire Fighter Brian Barnes  
Date of Hire 08/28/2000  
Paramedic/Relief Lieutenant  
Field Training Officer  
Special Response Team  
Child Passenger Safety  
Technician



\* Fire Fighter Jim Meyer  
Date of Hire 01/05/2004  
EMT  
Special Response Team



\* Fire Fighter Eric Lang  
Date of Hire 10/31/2005  
Paramedic  
Field Training Officer  
Special Response Team



Fire Fighter Jason Schad  
Date of Hire 04/03/2006  
Paramedic  
Field Training Officer



\* Fire Fighter Ben Griesbach  
Date of Hire 02/25/2008  
Paramedic  
SCBA Fit Test Technician



Fire Fighter Lucas  
Frydenlund  
Date of Hire 09/07/2010  
Paramedic  
SCBA Fit Test Technician



Fire Fighter Stephen Annen  
Date of Hire 09/23/2015  
Paramedic

\* denotes being a member of one or more committees

# BLUE SHIFT



\* Deputy Chief Jody Clements  
Date of Hire 09/03/1993  
EMT

Safety Committee Chair  
NEIMT and WI AHIMT Team member  
SCBA NFPA 1989 Compliancy Officer  
UST/AST Program Coordinator



\* Lieutenant Brad Breuer  
Date of Hire 09/09/1992  
EMT



Fire Fighter Dave Patton  
Date of Hire 10/27/1997  
Paramedic  
Sprinkler/Alarm Maintenance



\* Fire Fighter Pete Fletty  
Date of Hire 12/08/1997  
Paramedic/Relief Lieutenant  
UST/AST Tank Inspector  
SCBA Fit Test Tech.  
Field Training Officer  
Special Response Team



\* Fire Fighter Steve Bakos  
Date of Hire 07/13/1998  
Paramedic/Relief Lieutenant  
Elevator Maintenance  
Field Training Officer  
Special Response Team



Fire Fighter Joe Vanden Elzen  
Date of Hire 08/26/2002  
EMT  
Field Training Officer



Fire Fighter Lance Christopher  
Date of Hire 01/20/2003  
EMT  
Field Training Officer



\* Fire Fighter Erik Jonas  
Date of Hire 02/26/2007  
Paramedic  
Falls Prevention Coordinator  
JFS Coordinator



\* Fire Fighter Jon Altman  
Date of Hire 10/13/2008  
Paramedic  
Child Passenger Safety Tech.  
SCBA Fit Test Technician



Fire Fighter Matt Karnowski  
Date of Hire 03/24/2014  
Paramedic



Fire Fighter Anthony Luchini  
Date of Hire 08/10/2015  
Paramedic

\* denotes being a member of one or more committees

# RED SHIFT



\* Deputy Chief Roy Dolens  
Date of Hire 01/02/1988  
Paramedic  
Incident Management Team  
Fire Investigator IAAI-CFI  
Haz-Mat Coordinator  
Specialized Rescue Coordinator



\* Lieutenant Kelly Esker  
Date of Hire 09/15/1995  
EMT  
Fire Investigator IAAI-CFI  
UST/AST Tank Inspector  
Special Response Team



\* Fire Fighter Dan Jonas  
Date of Hire 07/16/1990  
EMT



\* Fire Fighter Rodney Bauer  
Date of Hire 05/05/1997  
EMT  
Field Training Officer  
Special Response Team



\* Fire Fighter Troy Weiland  
Date of Hire 08/02/1999  
Paramedic/Relief Lieutenant  
Field Training Officer  
Fire Investigator IAAI-CFI  
Special Response Team



\* Fire Fighter Pete Winistorfer  
Date of Hire 09/24/2001  
Paramedic/Relief Lieutenant  
Child Passenger Safety Tech.  
Special Response Team



\* Fire Fighter Everett Mueller  
Date of Hire 06/28/2004  
EMT  
Public Education Coordinator  
Special Response Team



Fire Fighter Bjorn Gilbertson  
Date of Hire 06/16/2008  
Paramedic



\* Fire Fighter Nate McNamara  
Date of Hire 07/06/2009  
Paramedic  
Extinguisher Maintenance  
SCBA Maintenance



Fire Fighter Jeni Sadauskas  
Date of Hire 06/23/2014  
Paramedic



Fire Fighter Zachary Miller  
Date of Hire 07/20/2015  
Paramedic

\* denotes being a member of one or more committees

DATA INVOLVING FIRE AND RESCUE DEPARTMENT PERSONNEL

Promotions

March 24, 2015	Fire Fighter/Paramedic Matthew Karnowski to Fire Fighter 1
June 30, 2015	Fire Fighter/Paramedic Jeni Sadauskas to Fire Fighter 1

Hired

July 20, 2015	Fire Fighter/Paramedic Zachary Miller
August 10, 2015	Fire Fighter/Paramedic Anthony Luchini
September 23, 2015	Fire Fighter/Paramedic Stephen Annen

Duty Incurred Disability

None

Retired

October 28, 2015	Fire Fighter/EMT Daniel Jonas
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Resigned

February 23, 2015	Fire Fighter/Paramedic Sam Tennessen
May 6, 2015	Fire Fighter/Paramedic Cody Thornberg
July 31, 2015	Fire Fighter/Paramedic Bronson Weyrauch

Terminated

None

Members Retired.....	1
Members Resigned.....	3
Members Hired .....	3
Total Number of Injuries .....	5
Total Number of Lost Time Injuries.....	2
Total Days Lost Time Injuries .....	6 days, 15 hours
Total Days Lost Due to Sickness .....	191 days, 16.25 hours
Total days Used for Family Leave.....	63 days, 0 hours

FIRE SERVICE COVERAGE

<u>City</u>	<u>Population</u>	<u>Square Miles</u>
Marshfield – Wood County	18,244	11.761
Marshfield – Marathon County	942	1.931
	<hr/>	<hr/>
TOTAL	19,186	13.692

AMBULANCE SERVICE COVERAGE

<u>City</u>		
Marshfield – Wood County	18,244	11.761
Marshfield – Marathon County	942	1.931
<u>Villages</u>		
Auburndale	707	2.130
Hewitt	827	0.800
Milladore	277	1.063
<u>Townships</u>		
Auburndale	843	30.200
Cameron	483	6.850
Fremont	1,265	36.000
Lincoln	1,572	34.132
Marshfield	777	16.726
McMillan	2,002	35.664
Milladore	684	32.938
Richfield	1,622	34.800
Rock	858	34.500
Sherry	810	35.400
	<hr/>	<hr/>
TOTAL	31,913	314.895

STATISTICS - CITY AND RURAL

Total Number of Fires Responded to in the City	40
Total Number of Hazardous Condition Alarms in the City	52
Total Number of False or Accidental City Fire Alarms	101
Total Number of Other Types of City Calls	75
<b>Total Number of City Fire Related Calls</b>	<b>268</b>
Total Number of Ambulance Calls (less false or accidental)	2,588
Total Number of Service Calls	5
Total Number of Good Intent Calls	50
Total Number of False or Accidental Ambulance Alarms	12
<b>Total Number of Ambulance Calls</b>	<b>2,655</b>
<b>Total Number of Calls Received by this Department (includes fire and ambulance)</b>	<b>2,923</b>
<hr/>	
5 Year Average "City Fire Loss" for which the Department was called	\$413,984.00
2015 "City Fire" Related Deaths	0
2015 "City Fire Loss" for which the Department was called	\$157,400.00
2015 Property Value Saved	\$24,767,500.00
2015 Estimated Fire Loss <u>Per Capita</u> for the City of Marshfield	\$8.20
Per Capita Cost of Maintaining the Fire Department	\$137.04
Per Capita Cost of Maintaining the Ambulance	\$0.00

## Marshfield Fire and Rescue Department 2015 Financial Statement

	Budgeted	Actual (Before Closing)
<b>Fire Prevention</b>		
Personnel, Operation and Maintenance	\$646,442.15	\$632,906.05
Revenue	\$59,929.00	\$62,757.00
Actual Cost (Budget less Revenue)	\$586,513.15	\$570,149.05
<b>Fire Protection</b>		
Personnel, Operation and Maintenance	\$2,153,823.86	\$2,069,770.63
Revenue	\$23,452.00	\$19,968.00
Actual Cost (Budget less Revenue)	\$2,130,371.86	\$2,049,802.63
<b>Total Actual Cost of Fire Protection &amp; Prevention</b>	<b>\$2,716,885.01</b>	<b>\$2,619,951.68</b>
Per Capita Cost of Maintaining the Fire Dept.	\$142.11	\$137.04

<b>The Ambulance Service is an Enterprise Fund and is self-supporting. This service is not supported by Tax Funds.</b>		
	Budgeted	Actual (Before Closing)
<b>Ambulance</b>		
Personnel, Operation and Maintenance	\$983,583.21	\$983,506.16
Revenue	\$1,244,888.00	\$1,255,318.00
Actual Cost (Budget less Revenue)	-\$261,304.79	-\$271,811.84
<b>Total Revenue Over Cost for Ambulance</b>	<b>\$261,304.79</b>	<b>\$271,811.84</b>
Per Capita Cost of Maintaining the Ambulance	\$0.00	\$0.00

<b>If the Ambulance Service was supported by tax dollars then the Per Capita cost of maintaining the Fire &amp; Rescue Department would be:</b>		
	Budgeted	Actual (Before Closing)
<b>Fire Prevention</b>	\$586,513.15	\$570,149.05
<b>Fire Protection</b>	\$2,130,371.86	\$2,049,802.63
<b>Ambulance</b>	-\$261,304.79	-\$271,811.84
	\$2,455,580.22	\$2,348,139.84
Per Capita Cost of Maintaining the Fire Dept.	\$128.44	\$122.82

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**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

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### MEMORANDUM

TO: Robert P. Haight III, Fire Chief

FROM: Scott M. Owen, Sr., Deputy Fire Chief of EMS

DATE: January 25, 2016

SUBJECT: 2015 Emergency Medical Services Program Overview

Since 1996 the Marshfield Fire and Rescue Department has been providing paramedic-level service to the city of Marshfield and the surrounding areas. Department personnel strive to provide those we serve with the highest level of professionalism and pre-hospital care possible. Department emergency medical technicians (EMTs) and paramedics make every effort to decrease response times while increasing the level of care delivered to each customer. A high level of service is only able to be provided by offering organized training, dependable equipment, and sufficient resources while remaining fiscally responsible.

Department members are cross-trained in both fire services and emergency medical care. This duality of skills and equipment provides a very efficient model for providing both EMS and fire services to the community at a very high level. Response time requirements based on progression timelines for both critical medical events and fires are very similar which makes the medical response pair well with the fire department infrastructure. In 2015 the fire department responded to nearly 3,000 calls for service with approximately 2,650 (90.8%) of them being emergency medical responses.

The Marshfield Fire and Rescue Department continues to participate with area technical schools by providing ride along experience for EMT's, paramedics, and respiratory therapists in training. This program allows the students to learn from our ambulance crews and experience firsthand those skills they are learning in school.

The number of advanced life support (paramedic and EMT-I) calls in 2015 totaled nearly 58%, an increase when compared to 47% in 2014. The remaining 42% of calls in 2015 were at the EMT level. Marshfield has only 18% of its population over the age of 65, yet this group accounts for 61% of our total ambulance calls. This group will account for over 74% of our total ambulance calls by the year 2030 based on the census bureaus projected population tables.

## 2015 Emergency Medical Services Program Overview

January 25, 2016

Page 2

Marshfield Fire and Rescue Department is in its seventh year working closely with the Central Wisconsin Falls Prevention Coalition. This is a proactive approach to reducing the number of ambulance contacts that this department will have with the 65 and older population. This endeavor will also allow us to help in matching persons in this population with any agencies that may be of assistance for services and adaptive equipment.

The Marshfield Fire and Rescue Department was very fortunate in 2015 to receive two LUCAS 2 Chest Compression Systems with one of them being donated by a local couple. These units perform mechanical chest compressions on victims in cardiac arrest, thus allowing EMS personnel to perform other life-saving interventions/procedures. We are very grateful to the couple that donated this important piece of equipment.

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FAX (715) 384-8868  
mfrd@ci.marshfield.wi.us



**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

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### MEMORANDUM

**TO:** Robert P. Haight III, Fire Chief

**FROM:** Everett G. Mueller; Public Education Coordinator  
Erik Jonas; Assistant Public Education Coordinator

**DATE:** January 21, 2016

**SUBJECT:** 2015 Public Education Report

Throughout 2015 the Public Education Committee has been busy with delivering quality educational programs to the citizens of Marshfield. These educational opportunities have been through direct delivery at the schools, tours of the station, special events, and public service announcements. The goal of each of these opportunities is to make the city of Marshfield a safe and pleasant place to call home.

Currently pre-K through sixth grade receives the most educational opportunities as we offer a wide range of activities during fire prevention week at the schools. We also visit the daycares and pre-schools to deliver education as well as offering stand-a-lone educational programs such as the Rainbow Valley Fire Department Curriculum that supplement our visits. Tours of the fire station are conducted throughout the year with many of the participants being of this age group. While the public education committee is responsible for planning these activities its delivery is the responsibility of all personnel on the fire department.

The Marshfield Fire and Rescue Department has been a part of the National Child Passenger Safety Program for a number of years. Throughout 2015 we have offered education and assistance in the safe installation of child passenger seats at the department by appointment. We were able to connect with sixteen families to provide these services and ensure they are confident in the safe use of their child passenger safety seats. In 2015, the department has partnered with Wood County Safe Kids Coalition to provide car seat clinics utilizing the apparatus bay. There will be multiple technicians on hand to provide education and accurate installation of car seats with no appointment necessary. The department is very committed to ensuring that this program is sustainable far into the future which will equate to a safer environment for the children who live in greater Marshfield area. We have successfully checked 27 child safety seats this past year. These seats were checked outside of the car seat clinics hosted by Wood County Health Department and Ministry Saint Joseph's Hospital.

In 2014 we checked nineteen seats. With that being said, we saw an increase of 42% in 2015. I believe as the word of mouth spreads of this service and a possible law change regarding child safety seats in 2016, we will continue to see an increase in these numbers. I would like to thank everyone involved for being supportive of this program. I truly believe this program is appreciated by the citizens we serve and is keeping children of the Marshfield area safer on the roads.

The Marshfield Fire and Rescue Department has partnered with Wood County Safe Kids Coalition to offer a car seat recycle program. Due to the volume and great interest of the annual car seat recycle day that was offered in April it was decided to offer this program throughout the year. The goal of this program is to take outdated car seats that no longer meet the safety requirements out of circulation. I would add in 2014 we destroyed 70 car seats and 2015 we had a total of 140 car seats that were destroyed and recycled.

The Marshfield Fire and Rescue Department implemented the Falls Prevention Program in April of 2010 to address the rising number of people sixty five years and older who are being injured or are dying as a result of falls within our service area. The Marshfield Fire and Rescue Department along with the Aging and Disability Resource Center of central Wisconsin, and the Pittsville Fire Department have partnered to form the Wood County Falls Prevention Coalition. The main goal of the Falls Prevention Program is to keep the target population living safely within their homes. The Marshfield Fire and Rescue Department continues to host the "Stepping On" course offered by the Aging and Disability Resource Center. This class highlights the importance of strength and balance training to prevent falls with the target age group. Current members of the Marshfield Fire and Rescue Department falls prevention team are Fire Chief Robert Haight and Fire Fighter/Paramedic Erik Jonas.

Thank you to all of the department members for your support of the Public Education Program and for your assistance in many of the program deliveries throughout the year. We would also like to thank the Marshfield Police and Fire Commission, the Common Council, and the Mayor for their support of this worthwhile program.

The last thank you goes to the truly dedicated members of this year's Public Education Committee, consisting of Deputy Chiefs Ed Erickson and Scott Owen, Fire Fighters Brian Barnes, Steve Bakos, Everett Mueller, Erik Jonas, Jonathan Altman, Lucas Frydenlund, and Matt Karnowski. Without the commitment of these individuals the programs we provide would never be a success.

We look forward to 2016 and strengthening our commitment to prevention through education within the community we serve.

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**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

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### MEMORANDUM

TO: Robert P. Haight III, Fire Chief

FROM: Ed Erickson, Deputy Fire Chief

DATE: January 11, 2016

SUBJECT: 2015 Fire Prevention Activities

Marshfield Fire and Rescue Department's Fire Prevention Program has six main focuses. The six focuses include fire inspections, building plan review, sprinkler plan review, pre-fire planning, annual evaluations for hydrants, and education. Each focus contributes to minimizing the city's fire loss. Fire affects more than just buildings. It routinely causes loss of business revenue, jobs, economic stability, health, personal property, and lives. It is with this knowledge that every member of this department continuously strives to strengthen the Fire Prevention Program.

The first focus of the program is fire inspections. In 2015, a total of 2,504 fire prevention inspections were performed. There were 1,018 violations found with 1,026 corrections. In 2015, we had a 100.79% clearance of violations. The 100 plus correction rate is from additional violations carried over from the previous year.

The second focus is on plan review. We were able to accomplish this by being a member of the Development Review Team (DRT) for the city of Marshfield. The team consists of representatives from Planning and Economic Development, Zoning, Engineering, Building Services, Marshfield Utilities, and the Marshfield Fire and Rescue Department. With the combined efforts of each department, we have been able to meet with the developers and answer all the questions and concerns that they may have. The DRT met five times in 2015 and provided input on three projects or potential projects for the city of Marshfield. The program allows us to provide investors/contractors information up front as to what each department's requirements and concerns are.

The third focus is fire sprinkler plan review and permit approval. We have been able to ensure the safety concerns of the Marshfield Fire and Rescue Department through the sprinkler plan review process. We had seven applications for sprinkler permits in 2015.

The fourth focus is our Pre-Fire Plan Program. Pre-fire planning provides essential information by providing building drawings, a list of all hazards found in the building, water flow calculations, and suggested firefighting tactics. We have been utilizing the same process for our pre-plan program since 2003. This department has completed slightly over 200 pre-fire plans and is currently in the process of creating and updating fifteen pre-fire plans.

The fifth focus is an annual evaluation of Marshfield's yearly street construction plans for the year. This focus is on the street layout and hydrant placement for existing and new street construction.

The sixth focus of education is detailed in the "Public Fire Education" report.

For the year 2016, we will continue to strive for an inspection violation correction ratio of over 85%. We will be continuing to make some technological advancement to build our occupancy and pre-fire planning section of FireRMS. We plan to keep working closely with various governmental agencies and businesses for the advancement of fire safety. For general fire inspections, we will continue to focus on vacant buildings by evaluating their condition and making them as safe as possible. We will be providing information to the Wood County Dispatch with updated contact information for all commercial properties. As in the past, Marshfield Fire and Rescue Department fire prevention officers look forward to the challenge of making Marshfield a fire safe city.

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**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

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### MEMORANDUM

TO: Robert P. Haight III, Fire Chief

FROM: Jody Clements, UST/AST Inspector  
Kelly Esker, UST/AST Inspector  
Pete Fletty, UST/AST Inspector

DATE: January 8, 2016

SUBJECT: 2015 UST/AST Program

In May of 1992, the Marshfield Fire and Rescue Department entered into a contract with the State of Wisconsin to engage the professional services of the Marshfield Fire and Rescue Department to carry out the responsibilities of the Wisconsin Department of Commerce pursuant to sections 101.02(15)(a) and 101.09, Stats. As an agent of the state, we can provide these services more economically and efficiently under contract. The Marshfield Fire and Rescue Department is willing to provide professional and capable service to the Department of Agriculture, Trade, and Consumer Protection. We are under contract to provide this service to the City of Marshfield, Town of Cameron, Town of Auburndale, Village of Auburndale, Town of Lincoln, Town of Arpin, Village of Arpin, Town of Rock, Village of Hewitt, Town of Marshfield, and Town of Richfield.

Our contract with the Wisconsin Department of Agriculture, Trade, and Consumer Protection provides the city with revenue that previously would have stayed at the state level. This program also provides our department with the control and knowledge of current systems, new products, and new systems that are entering the City of Marshfield and surrounding rural communities. We also provide services when systems are removed. Those services include but are not limited to environmental protection and public safety.

The UST/AST Program and its codes continue to be the most dynamic code in the State of Wisconsin due to new technologies and the advent of biofuels. In February of 2009, the Wisconsin Department of Agriculture, Trade, and Consumer Protection, Comm. 10 (now SPS 310) Flammable, Combustible and Hazardous Liquids Code, was updated and became law.

The Marshfield Fire and Rescue Department presently has three licensed Liquid Petroleum Officer's (LPO's). Inspectors include Deputy Chief Jody Clements, Lieutenant Kelly Esker, and Relief Lieutenant Peter Fletty.

Current Inspectors Clements, Esker, and Fletty attended continuing education training administered by the State of Wisconsin located in Tomah, Wisconsin both in the spring and fall for continuing educational credits. UST/AST Inspectors Clements and Esker renewed their certification and will be up for renewal again by November 30, 2017. Inspector Fletty will be up for renewal by November 30, 2016.

UST/AST inspectors completed thirty-five tank system inspections, two removals, and four newly installed systems in 2015. The program continued being proactive regarding the mitigation of violations. In the spring of 2015 our department was called to a tank system release within the city of Marshfield. REI was contracted to clean up the contamination. This system was Red Tagged (placed out of service) and was removed in the fall of 2015.

Due to 2010 regulations, many tank systems required updates to maintain compliance. These upgrades include but are not limited to auto shut-off overflow protection, corrosive protection on underground piping from an AST leak detection, and visual/audible alarms. On January 1<sup>st</sup>, 2012, the designation of Class A, Class B, and Class C operator was required.

The main goals of this program include public safety, environmental safety, and knowledge of current and newly installed systems, and to keep the program fiscally responsible. In 2015, we met those goals and will remain diligent to meet those goals again in 2016. Due to the state budget cuts, the UST/AST program continues to implement ways of staying fiscally sound while still being responsive to our customers. Fire departments around the state have not renewed contracts with the Department of Agriculture, Trade, and Consumer Protection due to budget issues. The Marshfield Fire and Rescue Department has been able to maintain the program by being fiscally responsible. We will be looking at the new contract this spring and hope to expand our inspection area.

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**MARSHFIELD**  
The City in the Center

**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

### MEMORANDUM

TO: Robert P. Haight III, Fire Chief

FROM: Jody Clements, Deputy Fire Chief

DATE: January 25, 2016

SUBJECT: 2015 Safety Committee Annual Report

The Safety Committee was established in 2005 to form a proactive group of employees to promote safety in the workplace. The committee meets on a quarterly basis to discuss safety concerns and potential hazards in the workplace, and receive some education to take back to their respective shifts.

The committee works to eliminate safety problems in and around the station as well as on emergency scenes. As problems or issues are found they are corrected, if possible. If immediate correction is not possible, the employees are made aware of the issues until a solution is found. The safety problems are usually found by the committee members conducting a walk around inspection of the premises or by reports from department members to their shift representatives.

The group reviews all workers compensation claims for the previous quarter looking at the nature of the injury and discusses ways of preventing the injury from occurring again, which has resulted in educational programs and/or adjusting protocols to prevent future injury.

The committee also reviews all new and revised Safety Data Sheets (SDS) for products brought into the fire station. These SDSs are reviewed for the products use, potential hazards, and the level of personal protection required to be used by the employees. Department members understand that when new products are brought into the station, they may not be used until all employees are aware of the hazards on the label, aware of the appropriate precautions to be taken, and the SDS is in the SDS library.

In 2015 the committee has challenged itself to be more proactive in using study based decisions to help prevent career and life shortening diseases. We are looking forward to 2016.

The current members of the safety committee are:

Fire Chief Robert Haight III	Deputy Chief Jody Clements, Chair
Deputy Chief Ed Erickson	Deputy Chief Scott Owen
Lieutenant Brad Breuer	Fire Fighter Dan Jonas
Lieutenant Kelly Esker	Relief Lieutenant Troy Weiland
Relief Lieutenant Brian Barnes	Fire Fighter Jim Meyer

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**MARSHFIELD**  
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**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

### MEMORANDUM

TO: Robert P. Haight III, Fire Chief

FROM: Roy Dolens, Deputy Fire Chief

DATE: January 24, 2016

SUBJECT: 2015 Response Overview (Non-Emergency Medical Services)

#### Structure Fires, Vehicle Fires, and Carbon Monoxide Responses

The 2015 structure fire loss in Marshfield decreased from the structure fire loss in 2014. 2015 saw a loss of \$157,400 on property valued at \$2,758,700 while 2014 saw a fire loss of \$559,000 on property valued at \$1,505,250.

2015 structure fires over \$10,000 damage:

<u>Address</u>	<u>Structure Fire Loss</u>
606 North Chestnut Avenue	\$60,000
507 East 10th Street	\$60,000

Vehicle fire loss for 2015 totaled \$8,050, which is a decrease over the 2014 vehicle fire loss of \$9,950.

This is the 22<sup>nd</sup> year tracking carbon monoxide (CO) related responses. This area of service is triggered by various factors. First, homeowners have become more aware and are installing carbon monoxide detectors. Second, homes are more energy efficient which leads to less fresh air infiltration. This can lead to increased carbon monoxide buildup if a source develops in the home. The number of carbon monoxide calls has remained consistent over the past several years. This is largely due to improvements in equipment reliability and public education to the dangers of carbon monoxide. In February of 2011, a new carbon monoxide law took effect requiring carbon monoxide detectors to be installed in every residential structure. Newly constructed homes need to have the carbon monoxide detectors hard wired to the building electrical system.

Marshfield Fire and Rescue Department responded to 28 CO related calls in 2015. This is less than the 29 CO calls in 2014. The level of CO detected is down from prior years with two homes having measurable amounts of CO. No homes had more than 35 ppm CO. More than 35 ppm requires immediate evacuation from the home. Fire fighters must wear self-contained breathing apparatus at this level of CO. Fire fighters will attempt to determine the source of the CO and notify service technicians to remedy the problem.

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**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

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### MEMORANDUM

TO: Robert P. Haight III, Fire Chief

FROM: Roy Dolens, Deputy Fire Chief, IAAI-CFI  
Kelly Esker, Lieutenant, IAAI-CFI  
Troy Weiland, Relief Lieutenant, IAAI-CFI

DATE: January 20, 2016

SUBJECT: 2015 Fire Investigation Report

The Marshfield Fire Investigation Team conducted five special fire investigations for the year 2015. Special fire investigations are only conducted on a small percentage of the total number of fires that occur in the city during a given year. Special fire investigations are initiated in the event of a serious fire related injury or fatality, a large fire loss, or the lack of an immediately apparent origin and cause determination. The following is a summary of investigations conducted:

April 1, 2015	Structure Fire 2215 South Maple Avenue, Lot 448 Origin: Laundry Area Cause: Battery Charger Estimated Dollar Loss: \$3,300
April 3, 2015	Structure Fire Norwood Health Center 1600 North Chestnut Avenue Origin: Mattress Cause: Incendiary Estimated Dollar Loss: \$1,000
May 10, 2015	Car Fire 514 West Upham Street Origin: Interior Center Console Cause: Unattended Candle Estimated Dollar Loss: \$2,450

August 15, 2015	Garage Fire 606 North Chestnut Avenue Origin: Southeast of Garage Cause: Incendiary Estimated Dollar Loss: \$60,000
October 15, 2015	Garage Fire 507 East 10 <sup>th</sup> Street Origin: Exterior East Wall Cause: Careless Use of Smoking Materials Estimated Dollar Loss: \$60,000

The total fire loss for 2015 special fire investigations is \$141,750. Dollar amount estimates are based on insurance company estimates and property valuation.

The Marshfield Fire Investigation Team consists of the following members:

<u>Fire/Rescue Personnel</u>	<u>Police Personnel</u>
Deputy Fire Chief Roy Dolens, IAAI-CFI	Detective Jason Parks
Lieutenant Kelly Esker, IAAI-CFI	Detective Kevin Hamill
Relief Lieutenant Troy Weiland, IAAI-CFI	

Marshfield fire investigators are members of the Wood County Fire Investigation Task Force, a multi-jurisdictional association that provides investigation assistance, education, and technical support. Relief Lieutenant Weiland serves as the president, Deputy Chief Dolens serves as the vice president, and Lieutenant Esker and Detective Parks serve on the executive board.

In 2015 Investigator Kelly Esker became a Certified Fire Investigator (CFI) through the International Association of Arson Investigators. To become nationally certified, an investigator must complete a complex application that uses a point based system involving years of experience, education, and training to challenge to take the national exam. Only a small percentage of fire investigators hold the CFI status. Currently there are four certified fire investigators in Wood County with three of them being employees of the Marshfield Fire and Rescue Department.

In May, Fire Investigators Dolens, Esker, and Weiland attended the International Association of Arson Investigators International training conference held in Chicago, Illinois. This was a unique opportunity as the international conference is held all over the nation and is rarely within driving distance. Several well-known speakers were present at the conference, such as Dr. John Dehaan who is considered an expert in the theories of fire science. Classes ranged from lecture to hands on demonstrations that involved burn cells. The Wood County Fire Investigation Task Force assisted in paying a portion of the investigators tuition.

These and other conferences coordinate experience and education to develop the skills and expertise necessary to accurately determine the origin and cause of a fire. Determining cause and origin helps to promote the development of improved fire prevention codes and practices and also helps secure the conviction of arsonists thus, making our community safer.

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**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

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### MEMORANDUM

TO: Robert P. Haight III, Fire Chief

FROM: Roy Dolens, Deputy Fire Chief

DATE: January 22, 2016

SUBJECT: 2015 Hazardous Incident Response Program

The world we live in has become more and more hazardous. Each year thousands of new chemicals are developed. Current inventories number in hundreds of thousands of known chemicals.

The city of Marshfield has three major highways, three pipelines, one railway, and one airport. Each train car or tractor trailer you see with a diamond shaped placard alerts everyone to the fact that a potential for an accidental release exists. Several facilities utilize radioactive isotopes.

The Marshfield Fire and Rescue Department Hazardous Materials Response Team celebrated its twenty-second anniversary in 2015. October 1, 2014 the new Wisconsin Hazmat System went online. Marshfield is a Level III Team for the State of Wisconsin. This partnership with the state has provided additional funding and training for our team plus increased the resources available statewide. The team is also contracted to provide Level B response in conjunction with Wisconsin Rapids Fire Department to all of Wood County. During 2015 the department responded to twenty-two potential incidents, sixteen spills (mostly petroleum based from vehicle accidents), and also mitigated six chemical emergencies.

In 1998, Marshfield Fire and Rescue implemented a Confined Space Rescue Team whose original focus was primarily confined space rescues but continues to be expanded to include most technical rescues (elevated extrication, trench, and collapse). Several businesses in Marshfield enter confined spaces as part of normal operations. The confined space rescue team is required by OSHA whenever employees enter a defined confined space.

In 2015, the team added an additional software license for PEAC incident management software to provide access in the city EOC/training room. The new software has an exhaustive database of chemicals. It features plume and explosion modeling software that provides rapid hazard zone identification and allows this information to be shared with other responders in a short

amount of time via text or email message. The software also holds our tier two facility data that was previously only available in hard copy. This enhances the safety of responders and the general public.

2015 also saw the addition of two Canberra radiation detectors which are placed on the first ambulance and first engine. The detectors continually monitor and alarm when crews encounter any radiological substance.

Thanks, in large part, to the additional state funding the department was able to send eight hazmat technicians to the annual Wisconsin Association of Hazmat Responders (WAHMR) conference in Stevens Point. Deputy Chiefs Dolens and Clements sit on the Wisconsin Hazmat System Coordinators work group.

2015 Hazardous Incident Response Personnel

Department personnel trained to Hazmat Awareness Level.....35  
Department personnel who completed the E.P.A. Technician Level Course.....31  
Department personnel who completed Confined Space Rescue and Ropes Rescue Training.....27

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**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

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### MEMORANDUM

TO: Robert P. Haight III, Fire Chief

FROM: Craig DeGrand, Deputy Fire Chief

DATE: January 1, 2016

SUBJECT: 2015 Summary of Emergency Operations Group

On July 27, 1999 the Common Council adopted Resolution 99-62 which resulted in the Marshfield Fire and Rescue Department being responsible for the city's Emergency Operation Plan. Section 1 of the resolution states... "That the City of Marshfield adopts the Emergency Operation Plan as written by the Marshfield Fire and Rescue Department"... . The Emergency Operation Plan is updated annually with updates being sent out in April to all plan holders.

The Emergency Operations Group is made up of different department heads throughout the city and some outside agencies like the Marshfield School District, Mid-State Technical College, Ministry Saint Joseph's Hospital, Marshfield Clinic, and others. The Emergency Operations Group is responsible for developing the annual disaster drills that are conducted. The intent of the drill is to show all city agencies just how taxing a disaster would be locally and if we would need help from the county, the state, and/or the federal government (FEMA).

In 2015 the Emergency Operations Group conducted a three day tabletop drill that required plan participants to be involved. The functional drill was put on by Deputy Chief Craig DeGrand. The drill scenario was a tornado touchdown in the southwest corner of the city causing major damage to the mobile home park on South Maple Avenue along with the apartment buildings on East 21<sup>st</sup> Street. The drill changed from day to day as plans were made to take care of issues that arose (such as debris cleanup, power restoration, shelter openings, recovery, etc.). The drill did make people inside the EOC communicate with each other. They found out that decisions they made were not necessarily the right ones. For example, a decision was made to use a certain area for debris removal when it was being used as a staging area. Overall the drill went well. We are looking forward to 2016 and continually preparing for all types of emergencies.

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**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

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### MEMORANDUM

TO: Robert P. Haight III, Fire Chief

FROM: Craig DeGrand, Deputy Fire Chief

DATE: January 1, 2016

SUBJECT: 2015 Training Overview

The training for 2015 consisted of various fire and emergency medical service (EMS) training that is required for all personnel. Continued training in department operations highlighted fire training. A constant training focus is the training of all current employees.

Fire training for 2015 included training of the three new recruits that started throughout the year. This training included utilizing the training center's burn building, confined space simulator, and training tower. These props are very valuable to the department allowing us to train for real situations in a safe environment. The training center is also used for our extrication training using the vehicles donated by Shaw's Wrecking Yard. Shaw's has been generously donating vehicles to this department for over 35 years.

A specific area of EMS training for 2015 was the Rescue Task Force training that was attended by department personnel. This training taught personnel how to enter "warm zones" during an active threat situation with police protection. This training was done in conjunction with the Marshfield Police Department and with volunteer students from Marshfield Senior High School. Department personnel also continue to keep up to date on the changes that are being made in the medical field.

We still continue to work with area technical colleges by allowing their EMT students to ride along with our department. The students are able to gain valuable skills and knowledge in this field while still being in school.

Department personnel completed a total of 4,883 hours of training in 2015.

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**MARSHFIELD**

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**Robert P. Haight III**  
Fire Chief

## FIRE & RESCUE DEPARTMENT

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### MEMORANDUM

TO: Robert P. Haight III, Fire Chief

FROM: Craig DeGrand, Deputy Fire Chief

DATE: January 1, 2016

SUBJECT: 2015 Summary of Apprenticeship Training Program

In January of 1981, the Apprenticeship Training Program for the Marshfield Fire and Rescue Department was put into service. This is a training program that was implemented by this department, with classes planned and records kept by the officers. This program is in accordance and cooperation with the Joint Council of Fire Service Organizations, the National Fire Protection Association of Fire Fighters Qualification Committee, the Bureau of Apprenticeship and Training, and the U. S. Department of Labor.

This training program operates in the following manner. All new entry level fire fighters, having successfully met all entrance requirements as established by the City of Marshfield Police and Fire Commission, would be required to serve and successfully complete the three year apprenticeship program. This includes on the job learning experiences and related technical instruction. This program has served as an excellent method of sharpening the skills of our current fire fighters.

Our Apprenticeship Committee has periodic meetings to evaluate the program. At present, Deputy Chief Craig DeGrand, Deputy Chief Scott Owen, Fire Fighter Pete Fletty, and Fire Fighter Jason Foth staff the committee.

Progress during 2015 was as follows:

- \* On March 24, 2015 Fire Fighter/Paramedic Matthew Karnowski to Fire Fighter 1.
- \* On June 30, 2015 Fire Fighter/Paramedic Jeni Sadauskas to Fire Fighter 1.

There were three fire fighters indentured into the apprenticeship program during 2015, they are Fire Fighter/Paramedics Zachary Miller, Anthony Luchini, and Stephen Annen.

## **AMBULANCE STATISTICS**

### **2015 Patient Contacts**

(Does not include false alarms.)

Month	Number of Patients	Loaded Miles	Accounts Receivable
January	189	950.1	\$94,733.42
February	183	954.5	\$91,445.80
March	217	842.9	\$109,646.92
April	241	1,018.6	\$115,930.68
May	250	1,216.3	\$121,409.36
June	196	937.0	\$98,521.58
July	243	1,417.9	\$114,529.62
August	245	1,109.7	\$123,279.98
September	209	1,058.9	\$98,790.34
October	211	913.1	\$92,590.16
November	201	968.6	\$90,850.10
December	258	1,290.3	\$121,729.62
Total	2,643	12,677.9	\$1,273,457.58

### **Number of Responses Not Including “No Pick-Ups”**

	<b><u>2015</u></b>	<b><u>2014</u></b>	<b><u>2013</u></b>
City of Marshfield	1,597	1,547	1,553
Wood County Calls/Less City	359	385	322
Neo-natal Calls	21	19	22
Other County Calls	13	54	52
Out of Service Area	36	23	27
Intercepts	49	41	63
TOTAL	2,075	2,069	2,039

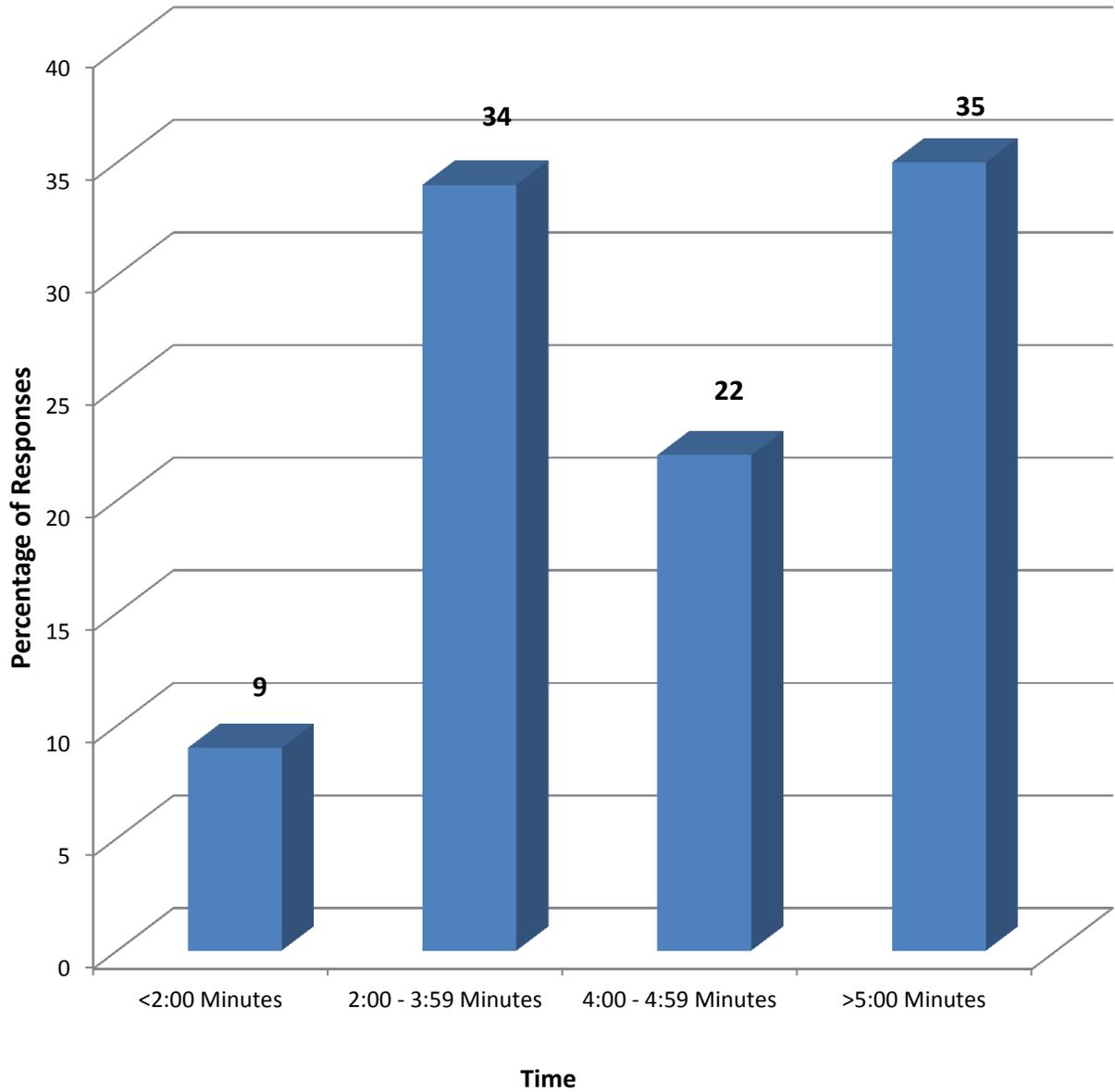


# Marshfield Fire and Rescue Department

## 2015 Ambulance Response Statistics

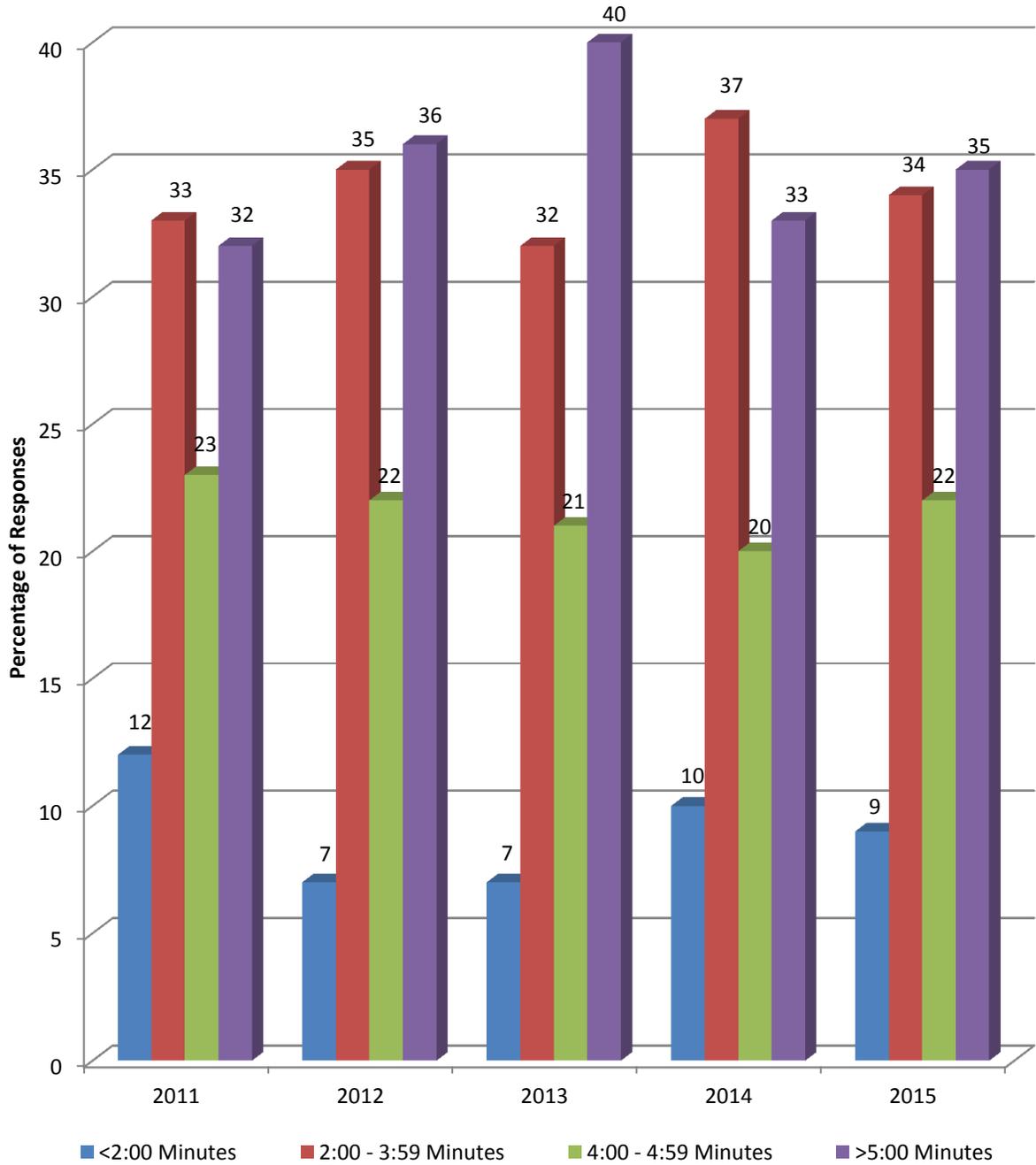
<u>Causes</u>	<u>Incidents</u>
300 – Rescue, emergency medical call (EMS) call, other	1
311 – Medical assist, assist EMS crew	7
321 – EMS call, excluding vehicle accident with injury	2,410
3210 – Peds Critical Care Transport with transport team	3
3211 – ALS Intercept, excluding vehicle accident	49
3212 – Neonatal Transport	19
3213 – Assist SNF (skilled nursing facility) with ALS skill	2
322 – Vehicle accident with injuries	78
3221 – MVC-ALS Intercept	5
323 – Motor vehicle/pedestrian accident	11
324 – Motor vehicle accident with no injuries (No Ambulance)	1
341 – Search for person on land	1
381 – Rescue or EMS Standby	1
<b>Total - Rescue and Emergency Medical Service Incidents</b>	<b>2,588</b>
550 – Public service assistance, other	1
551 – Assist police or other governmental agency	1
554 – Assist invalid	3
<b>Total - Service Call</b>	<b>5</b>
600 – Good intent call, other	2
611E – EMS: Dispatched & cancelled en route	37
622 – No incident found on arrival at dispatch address	11
<b>Total - Good Intent Call</b>	<b>50</b>
700 – False alarm or false call, other	9
740 – Unintentional transmission of alarm, other	3
<b>Total - False Alarm and False Call</b>	<b>12</b>
<b>Total <u>Ambulance</u> Responses for 2015</b>	<b>2,655</b>

**Marshfield Fire and Rescue Department**  
Ambulance Emergency Response - Percentage of Calls by Minutes  
City of Marshfield 2015



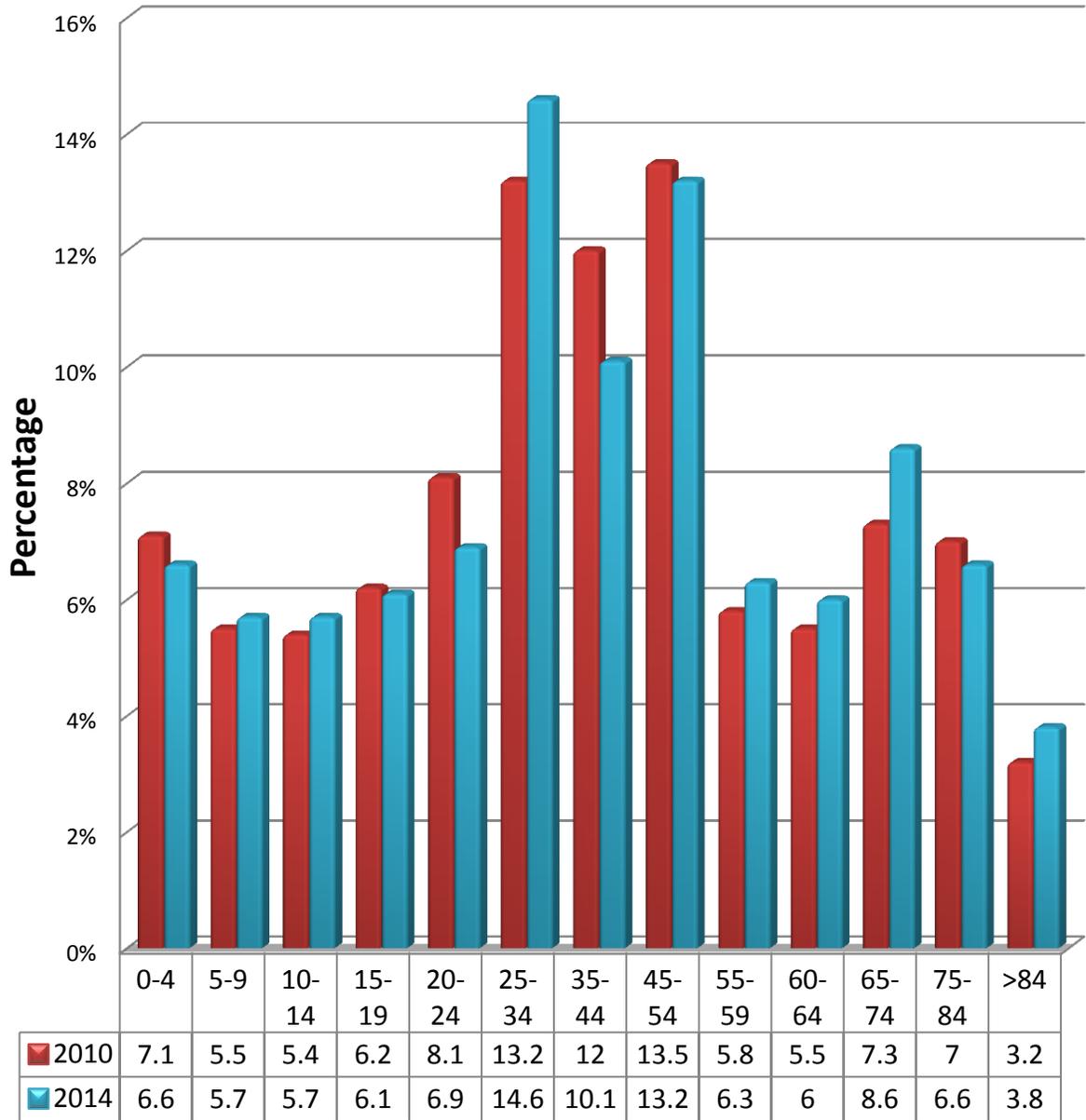
# Marshfield Fire and Rescue Department

Ambulance Emergency Response - Percentage of Calls by Minutes  
City of Marshfield 2011 - 2015



## Marshfield Fire and Rescue Department Marshfield Area Population by Percentage of Age

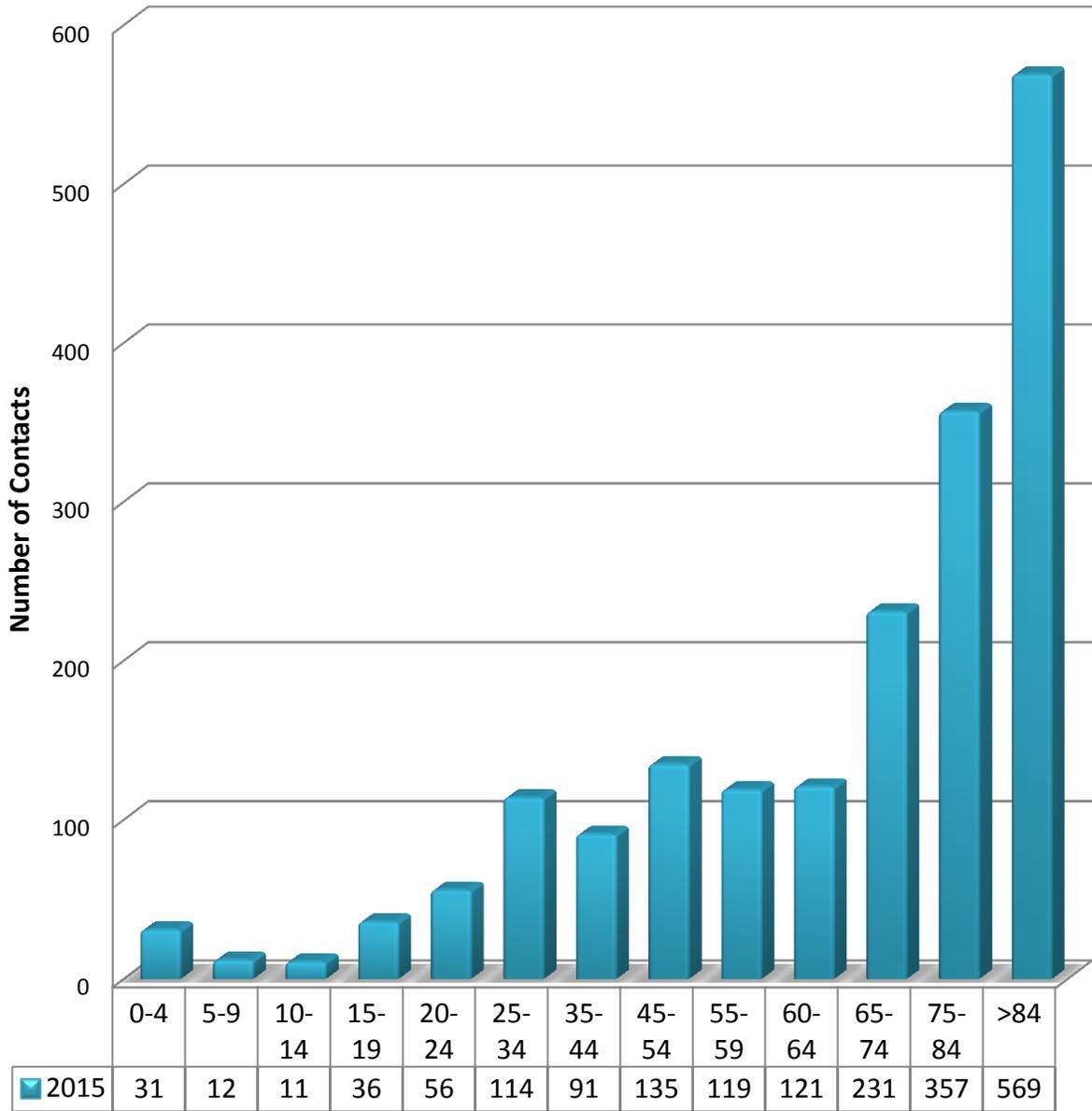
Source: US Census Bureau



**Age Group**

# Marshfield Fire and Rescue Department

2015 Ambulance Contacts by Age Group  
(Does not include Citizen's Assist)

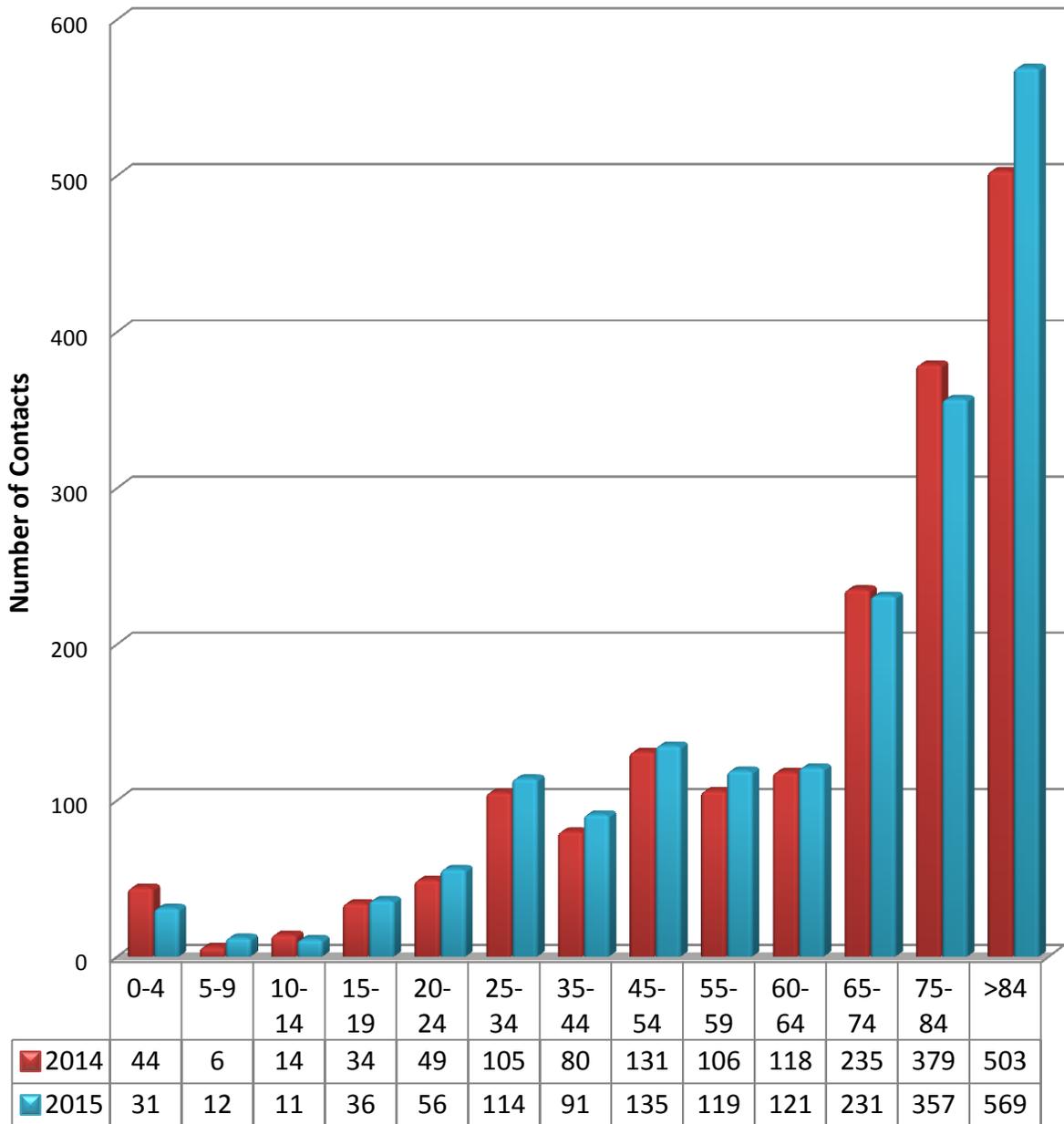


2015

## Marshfield Fire and Rescue Department

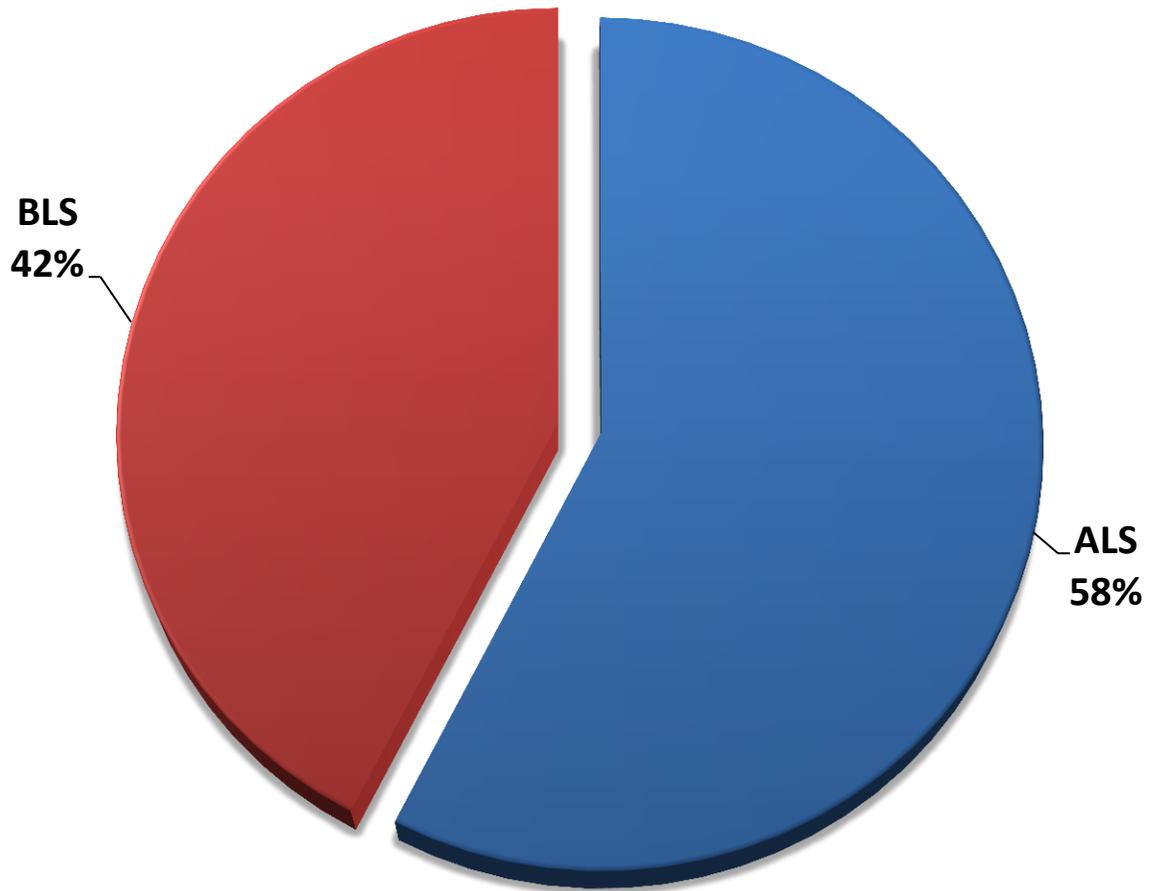
### 2014 to 2015 Ambulance Contacts by Age Group Comparison

(Does not include Citizen's Assist)



■ 2014      ■ 2015

## Marshfield Fire and Rescue Department Patient Level of Care Provided in 2015



■ ALS ■ BLS

2015

YEARLY FIRE INSPECTIONS

<u>Establishments</u>	<u>Inspect</u>	<u>Violations</u>	<u>Corrections</u>
Chapter 54 - Factory/Mercantile	1399	590	576
Chapter 55 - Assembly > 100 Capacity	97	47	55
Chapter 56 - Schools, Libraries	38	25	13
Chapter 57 - Residential	346	87	97
Chapter 58 - Health Care	18	1	4
Chapter 59 - Hazardous Occupancies	161	68	66
Chapter 60 - Child Day Care	16	3	0
Chapter 61 - CBRF – Over 8 Persons	22	19	22
Chapter 62 - Special Occupancies	23	10	0
Assembly - A-1, A-2, A-3, A-4, & A-5	34	31	34
Business - Group B	162	89	96
Educational - Group E	6	2	2
Factory & Industrial - F-1 & F-2	7	0	3
High Hazard - H-1, H-2, H-3, H-4, & H-5	0	0	0
Institutional - I-1, I-2, I-3, & I-4	12	5	3
Mercantile - Group M	50	27	35
Residential - R-1, R-2, R-3, & R-4	79	9	16
Storage - Groups S-1 & S-2	32	5	3
Utility - Groups U	2	0	1
	<hr/>	<hr/>	<hr/>
<b>2015 TOTALS</b>	<b>2504</b>	<b>1018</b>	<b>1026</b>

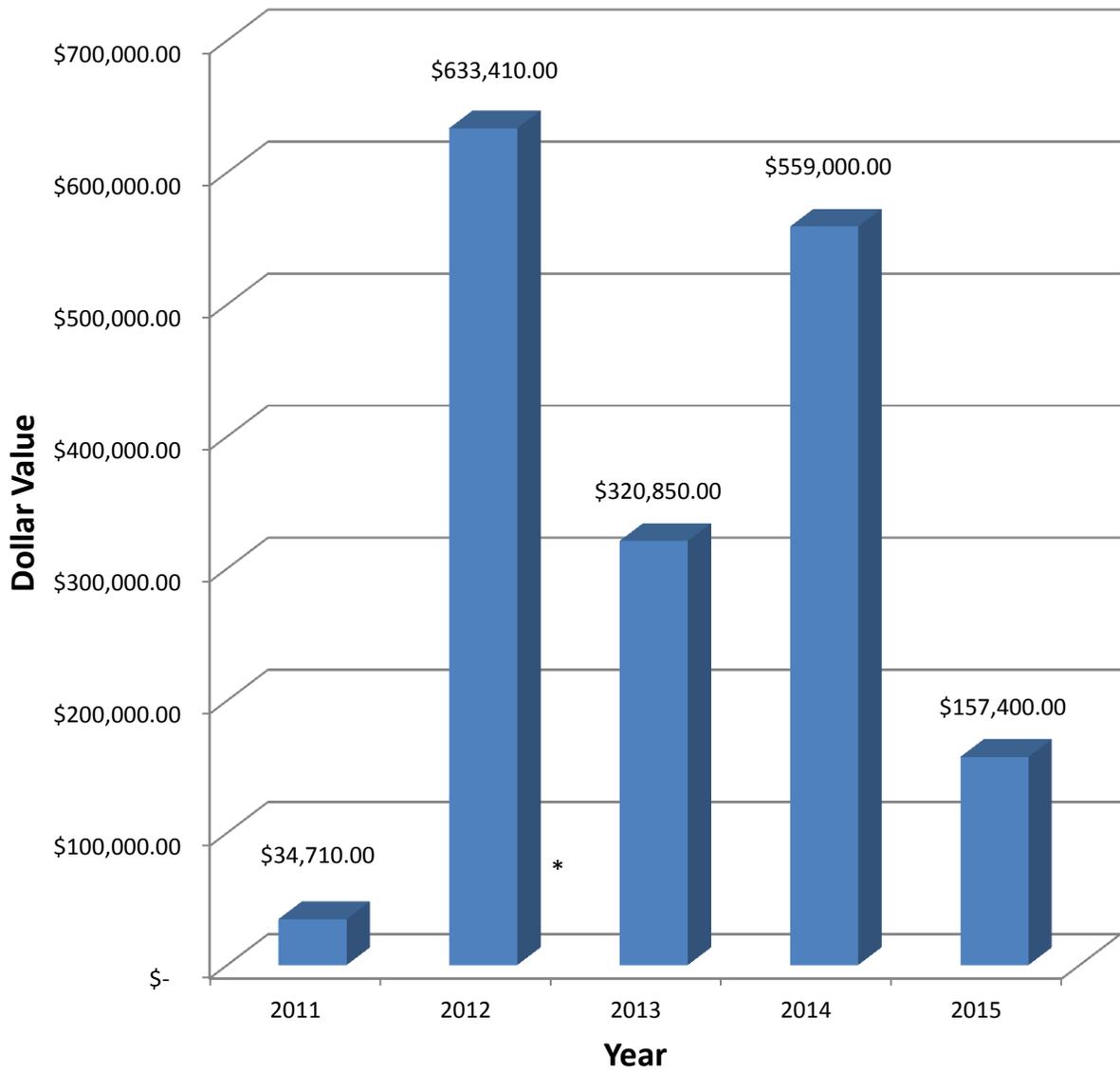
# Marshfield Fire and Rescue Department

## 2015 Causes of Fire Alarms – City of Marshfield

<u>Causes</u>	<u>Incidents</u>
111 – Building fire	12
112 – Fires in structures other than in a building	1
113 – Cooking fire, confined to container	6
114 – Chimney or flue fire, confined to chimney or flue	2
118 – Trash or rubbish fire, contained	2
131 – Passenger vehicle fire	4
142 – Brush, or brush and grass mixture fire	2
143 – Grass Fire	2
150 – Outside rubbish fire, other	1
151 – Outside rubbish, trash or waste fire	3
160 – Special outside fire, other	1
162 – Outside equipment fire	4
<b>Total - Fires</b>	<b>40</b>
320 – Emergency medical services, other	1
321 – EMS call, excluding vehicle accident with injury	1
324 – Motor vehicle accident with no injuries (No Ambulance)	3
353 – Removal of victim(s) from stalled elevator	6
356 – High angle rescue	1
381 – Rescue or EMS standby	2
<b>Total - Rescue &amp; Emergency Medical Service Incidents</b>	<b>14</b>
410 – Flammable gas or liquid condition, other	2
411 – Gasoline or other flammable liquid spill	5
412 – Gas leak (natural gas or LPG)	8
4221 – Chemical spill or leak (Vehicle fluids not gasoline)	6
4241 – No Carbon monoxide found	19
4242 – Carbon monoxide found < 35 ppm	2
442 – Overheated motor	1
445 – Arcing, shorted electrical equipment	6
461 – Building or structure weakened or collapsed	1
463 – Vehicle accident, general cleanup	1
480 – Attempted burning, illegal action, other	1
<b>Total - Hazardous Conditions (No fire)</b>	<b>52</b>
500 – Service call, other	4
520 – Water problem, other	1
531 – Smoke or odor removal	1
550 – Public service assistance, other	1
551 – Assist police or other governmental agency	1
552 – Police Matter	1
553 – Public service	1

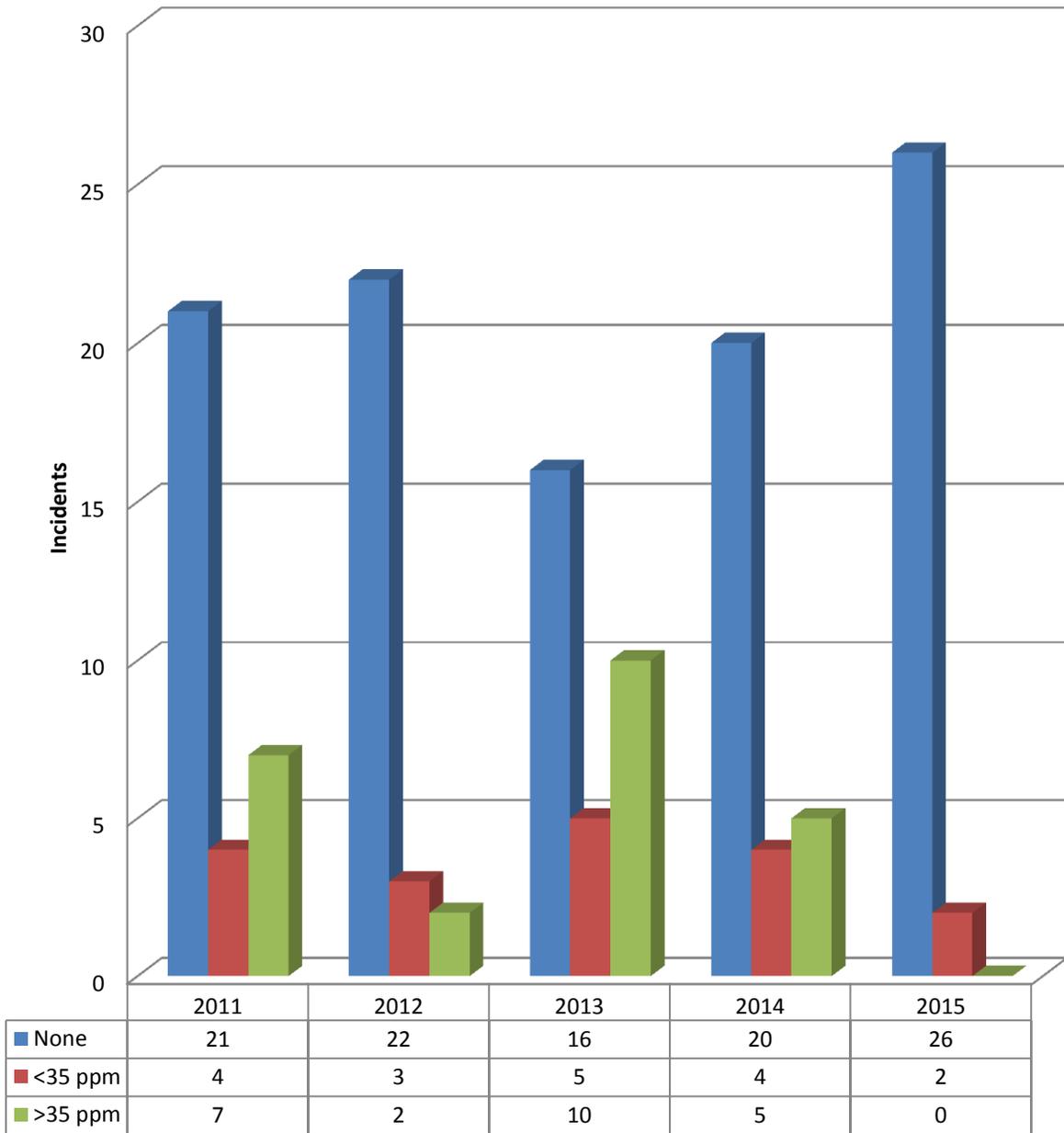
554 – Assist invalid	3
561 – Unauthorized burning	7
<b>Total - Service Call</b>	<b>20</b>
600 – Good intent call, other	3
611 – Dispatched & cancelled en route	14
622 – No incident found on arrival at dispatch address	2
631 – Authorized controlled burning	3
651 – Smoke scare, odor of smoke	10
652 – Steam, vapor, fog or dust thought to be smoke	1
671 – Hazmat release investigation w/no hazmat	2
<b>Total - Good Intent Call</b>	<b>35</b>
700 – False alarm or false call, other	5
712 – Direct tie to FD, malicious/false alarm	2
713 – Telephone, malicious false alarm	1
714 – Central station, malicious false alarm	2
730 – System malfunction, other	1
731 – Sprinkler activation due to malfunction	4
732 – Extinguishing system activation due to malfunction	1
733 – Smoke detector activation due to malfunction	7
734 – Heat detector activation due to malfunction	1
735 – Alarm system sounded due to malfunction	9
736 – CO detector activation due to malfunction	7
740 – Unintentional transmission of alarm, other	26
741 – Sprinkler activation, no fire - unintentional	3
743 – Smoke detector activation, no fire - unintentional	11
744 – Detector activation, no fire - unintentional	5
745 – Alarm system sounded, no fire - unintentional	16
<b>Total - False Alarm &amp; False Call</b>	<b>101</b>
900 – Special type of incident, other	1
911 - Citizen complaint	5
<b>Total - Special Incident Type</b>	<b>6</b>
<b>Total <u>Fire</u> Responses for 2015</b>	<b>268</b>
<b>Total <u>EMS</u> Responses for 2015</b>	<b>2,655</b>
<b>Total <u>Department</u> (Ambulance and Fire) Responses for 2015</b>	<b>2,923</b>

# Marshfield Fire and Rescue Department Fire Loss Comparison 2011 - 2015



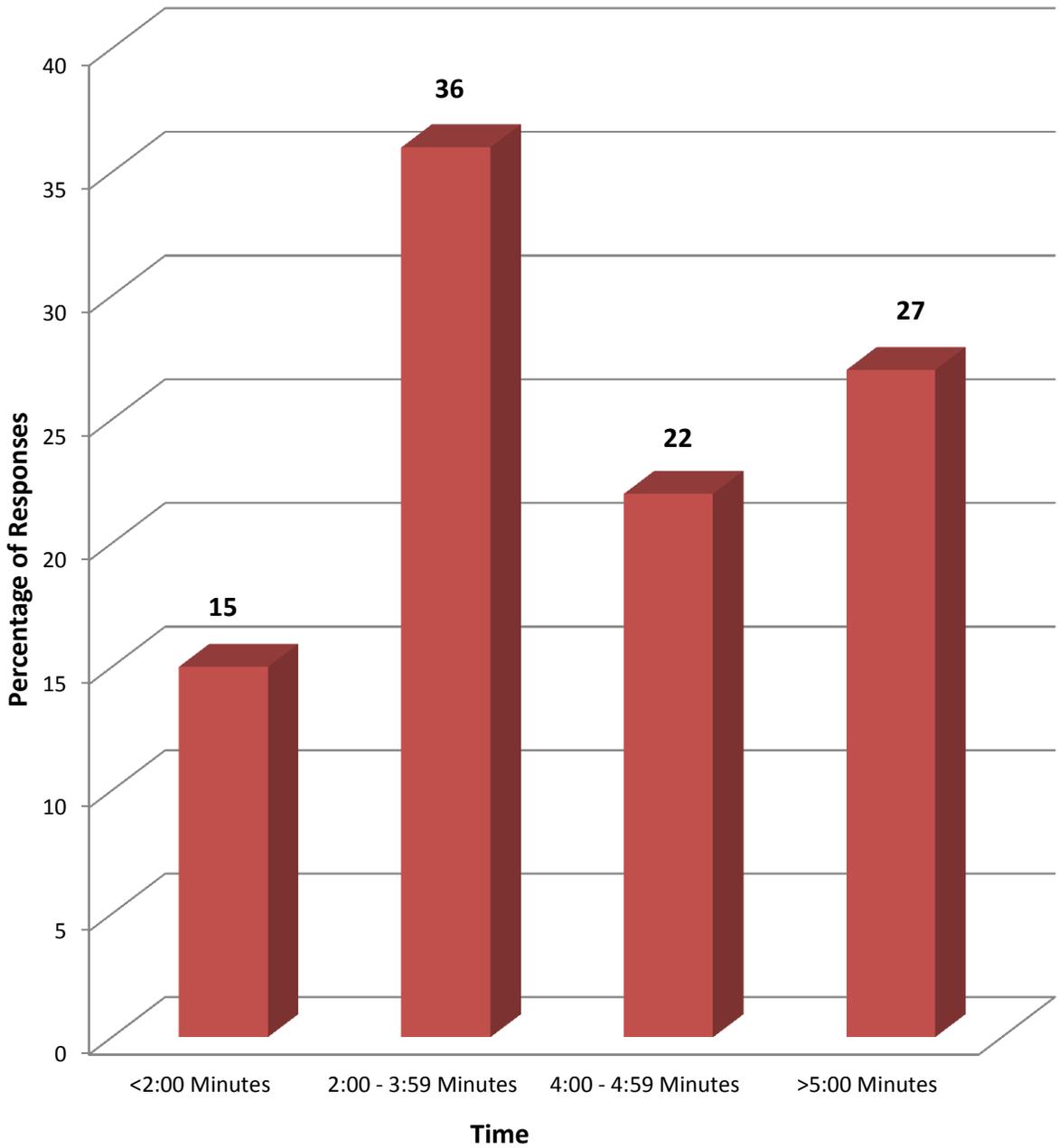
\* Does not reflect \$5,000,000.00 loss to Marshfield Door Systems on 7/11/2011 due to rupture of a pressure vessel.

## Marshfield Fire and Rescue Department Carbon Monoxide Incidents 2011 - 2015



# Marshfield Fire and Rescue Department

Fire Emergency Response - Percentage of Calls by Minutes  
City of Marshfield 2015



2015

APPARATUS VALUE AND DEPRECIATION SCHEDULE

<u>Vehicle</u>	<u>Assigned</u>	<u>Original Cost (\$)</u>	<u>Date Purchased</u>	<u>Dep. % Factor</u>	<u>Book Value (\$)</u>	<u>Retire In .</u>
Smeal Engine/Quint	E-1	\$573,122	06/04/13	6.67%	\$489,223	2034
Spartan GPM Pumper	E-2	\$363,848	03/19/08	6.67%	\$173,838	2029
Smeal 1250 GPM Pumper	E-3	\$85,205	11/13/85	6.67%	\$0	2006
Pierce 1250 GPM Pumper/ 61' Water Tower	E-4	\$404,220	04/10/01	6.67%	\$0	2022
Pierce 100' Aerial Ladder Platform	TR-1	\$440,188	02/04/93	20%	\$0	2013
Hazmat 1 Rescue Squad	Squad 1	\$161,980	12/31/04	6.67%	\$60,575	2029
Ford Medtech Ambulance	Amb. 96	\$114,579	10/01/04	8.33%	\$13,035	2016
Ford Foster Coach Ambulance	Amb. 97	\$130,207	02/14/11	8.33%	\$84,861	2023
Chevy Marque Ambulance	Amb. 98	\$133,730	01/31/07	8.33%	\$48,477	2019
Ford Braun Ambulance	Amb. 99	\$154,050	12/02/13	8.33%	\$131,317	2026
2007 Chevrolet	Car 5	\$13,144	12/01/15	20%	\$12,958	2025
Ford F250	Car 6	\$36,389	02/07/06	20%	\$5,317	2016
Ford F150 XLT Crew Cab	Car 7	\$24,981	04/06/11	20%	\$4,809	2021

## 2015

APPARATUS MECHANICAL AND MAINTENANCE REPORT

<u>Year and Model</u>	<u>Type</u>	<u>2015 Miles</u>	<u>2015 Run/Hours</u>	<u>Total Run/Hours</u>	<u>Total Mileage</u>
2013 Smeal Engine 1	Diesel 1500 GPM Pumper	1,063	164	730	11,884
2007 Challenger Engine 2	Diesel 1500 GPM Pumper	1,715	206	1,862	18,431
1986 Ford Engine 3	Diesel 1250 GPM Pumper	705	0	4,244	45,841
2001 Ford Engine 4	Diesel 1250 GPM Pumper / 61' Water Tower	545	57	3,304	28,678
1993 Pierce Truck 1	100' Aerial Platform	507	94	3,099	14,256
2004 Sterling Acterra Squad 1	Medium Duty Rescue	132	35	449	2,236
2004 Ford Ambulance 96	Module	7,226	N/A	N/A	75,152
2009 Ford Ambulance 97	Module	5,216	N/A	N/A	55,964
2006 Chevrolet Ambulance 98	Module	324	N/A	N/A	69,156
2014 Ford Ambulance 99	Module	17,118	N/A	N/A	33,312
2007 Chevrolet 1500 Pickup	Station Car 5	0	N/A	N/A	134,027
2005 Ford F-250 Pickup	Station Car 6	3,420	163	1,798	47,611
2011 Ford F-150 Pickup	Station Car 7	17,333	N/A	N/A	54,062

## Marshfield Fire Apparatus Replacement Schedule

Updated 2015

Year	Vehicle	Cost 5% year			
2015					
2016	Ladder 1	\$1,249,000.00			
2017				Car 6	
2018					
2019	E-3 Engine	\$703,550.21			
2020					
2021				Car 7	
2022					
2023	Squad 1	\$602,691.01			
2024					
2025					
2026	E-4 Quint	\$1,414,236.86			
2027					
2028					
2029					
2030					
2031					
2032					
2033	E-2 Engine	\$1,392,981.30			
2034					
2035					
2036	Ladder 1	\$3,836,333.17			
2037					
2038					
2039	E-1 -Quint	\$2,666,754.52			
2040					
2041					
2042					
2015 Vehicle Cost					
Engine		\$	525,000.00		
Quint		\$	750,000.00		
Ladder		\$	1,249,000.00		
Squad		\$	370,000.00		
<b>Current Fleet</b>	<b>Year Purchased</b>	<b>Frontline</b>	<b>Reserve</b>		
Engine 1	2013	2028	2038		
Engine 2	2007	2022	2032		
Engine 3	1985	2000	2010		
Engine 4	2001	2016	2026		
Ladder 1	1993	2013	N/A		
Squad 1	2004	2024	N/A		

