

# Annual Report 2012



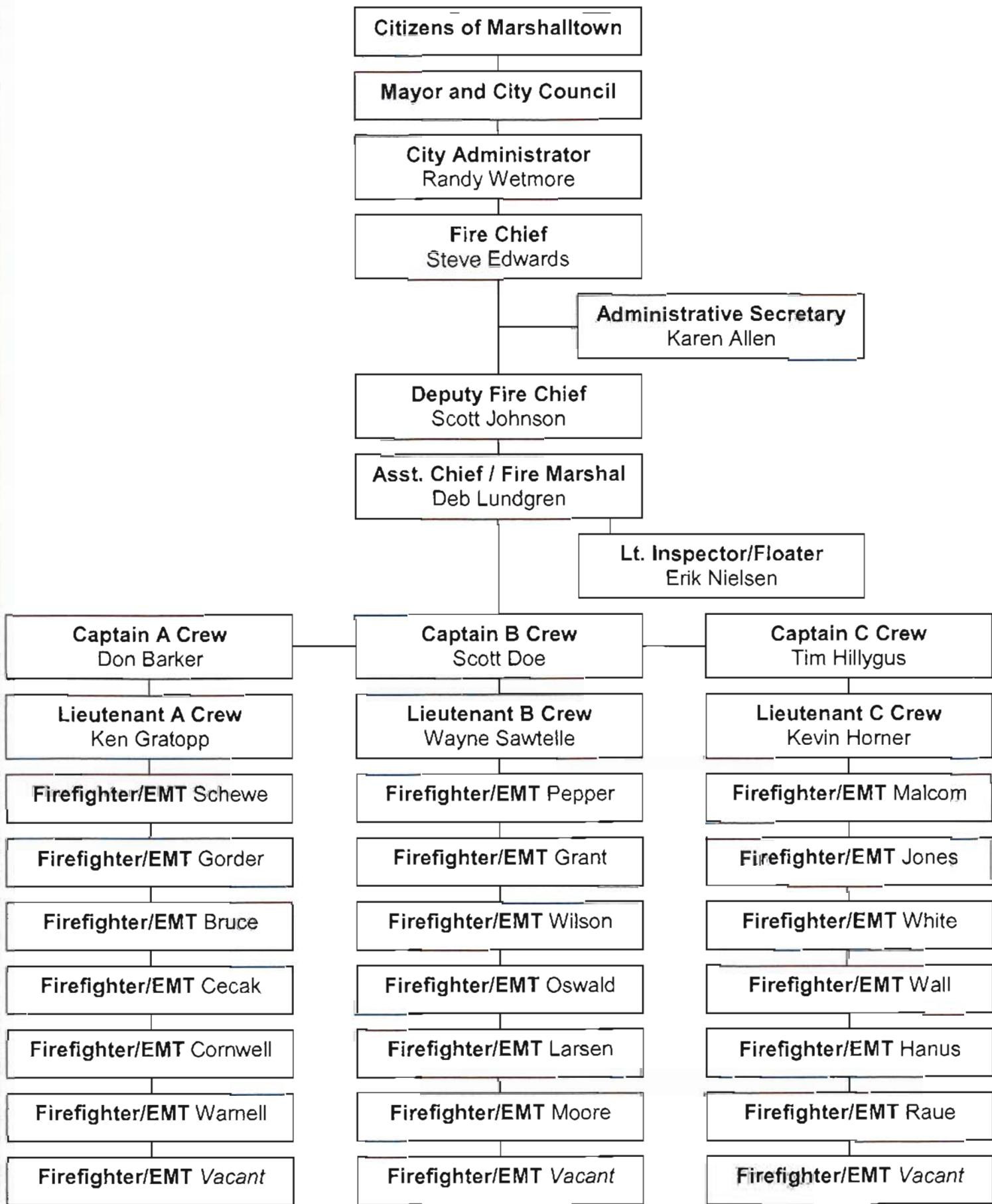
Photo Courtesy of Tammy Lawson

# Marshalltown Fire & Rescue



**“We’re There When You Need Us”**

Marshalltown Fire Department  
Organizational Chart 2013





**Marshalltown Fire Department**  
Steven D. Edwards, Fire Chief  
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**A Quality of Life Company**

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Honorable Thomas R. Thompson  
Mayor, City of Marshalltown  
24 N. Center Street  
Marshalltown, IA 50158

January 31, 2013

Dear Sir,

Submitted herein for your review is the annual report of the Marshalltown Fire Department for the year 2012.

As the year 2012 closed we would like to reflect on some of our highlights of the past year. We had a very busy and difficult year with an arsonist creating problems for our community, drownings and the passing of Mayor Beach. We also had some highlights with a visit from President Obama and RAGBRAI coming through Marshalltown. We had one firefighter resign and move to Wyoming and we hired a replacement in February, Jacob Moore. We tightened our belts and found ways to provide the services our citizens expect of us while at the same time becoming more efficient and saving tax dollars. We made it through the year without any fire related deaths to report. As you can see in our stats provided by our Fire Marshal, Deb Lundgren, our percent of property saved was at 94.88%, an improvement from the previous year of 76.54%. This figure is derived from the amount of property that was on fire (*not included was the property exposed to potential loss*) compared to what was actually saved. Even with these total losses we did a very efficient job of assuring that we did not lose adjacent properties from exposures to the main fires. We would like to think this is due in part to our numerous hours of training and hands-on approach to assessing our needs and getting additional manpower and equipment on scene early in the process of action plan development.

Due to the continued volume of calls for service, our equipment is having mechanical problems that can't be repaired locally. Our city mechanics have not been trained to work on these complex systems, so we must send them to the factory refurb shop in Wisconsin for repairs, creating some financial hardships for us. Both Engine 9 and Aerial 2 spent time at the factory facility (one for electrical problems and one for problems with our ladder leveling system). We did not meet our plan to annually send our three main vehicles (Engines 1, 9 and Aerial 2) to Cedar Rapids for thorough servicing and then have our mechanics do the needed balance of service during the year. We are hoping that improved maintenance will avoid breakdowns and prevent unnecessary repairs.

We are very proud of having completed our second Citizens Fire Academy designed and staffed by our firefighters in direction from Deputy Chief Johnson. This academy does a lot for getting out to the public we serve just exactly what we do and how much training our job requires. Even though the academy is just a small snapshot of what we do it does give interested citizens a hands-on perspective of what and how we do our jobs and the equipment we use in doing those jobs.

We continue to install smoke alarms in owner occupied homes in Marshalltown. We have now installed 361 alarms in 305 homes since beginning this program nearly five years ago.

I would like to bring your attention to the report submitted by Deputy Chief Johnson, which reflects the numerous hours of continuous training our personnel do each year to be prepared for whatever we may be presented with. Our training and all that we did this past year was focused around our theme for the year of "We're There When You Need Us". This training is the backbone of what we do to be prepared for any emergency. We try very hard to do all our training in house as well as offer training at various fire schools throughout the year.

Fire Marshal Lundgren's report shows the detailed breakdown of what all we did over the past year. This is a very interesting section that shows we are busy at all hours of the day, seven days a week with a wide variety of calls for services. Her report shows all the different disciplines we are asked to maintain skills for and be proficient at. Our business is very unpredictable. Her report includes our response statistics and other useful information about our activities for the year. These activities are in addition to the numerous hours we spend training to be ready for these emergencies.

I would like to make the following recommendations for your consideration along with supporting the recommendations suggested by Deputy Chief Johnson.

- Continue to move forward with planning for the move to a new fire facility within the next 5 years.
- Look at filling the three firefighter positions that are currently not filled and change our manning to a (7) seven man minimum to provide for better firefighter safety and more personnel for all responses. We would like to continue to apply for a grant to fund these positions during our tightened financial times.
- Look into our EMS program and see where we can improve our customer service.
- Look into implementing touch pads for our apparatus to store data, forms and other information, eliminating paperwork and assisting us in making better safer decisions.

I would like to thank the local media, Times Republican, KFJB, KDAO and our volunteer Chaplain David Shearer for their coverage of our activities and supporting our efforts. Without this assistance we would not be able to keep the public we serve informed about the services we provide and what they can expect from their fire department.

I want to thank the members of the Department for all their efforts over the past year and their continuing dedication to the Department and the citizens of Marshalltown. These contributions are greatly appreciated. We continue to provide the best safety protection possible with the resources available.

Respectfully submitted,



Steven D. Edwards, Fire Chief  
Marshalltown Fire Department

Marshalltown



# Mission Statement Marshalltown Fire Department

“Proactively protect life, property, and the environment from fire and other emergencies within the community.

This is accomplished through Public Education, Code Enforcement and Incident Response.

Yet never forgetting the safety and well being of those who serve.”

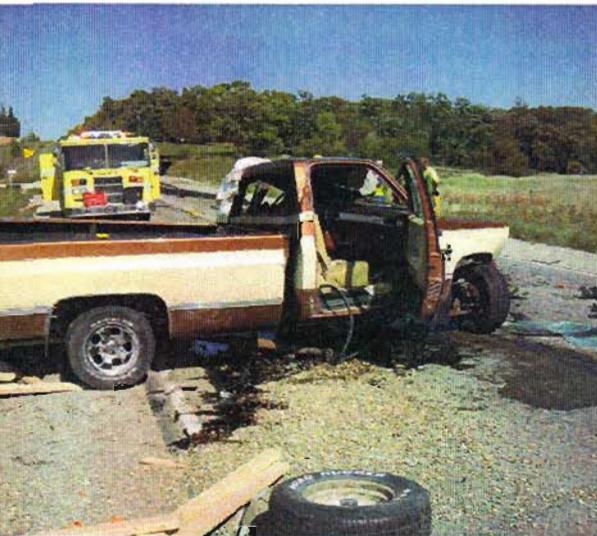
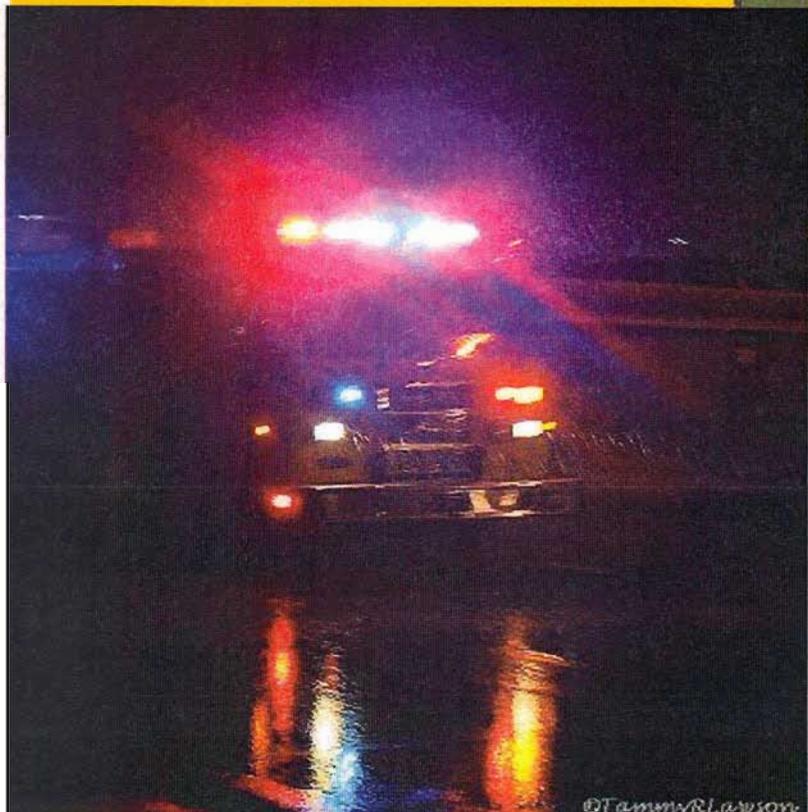


Marshalltown Fire Dept. Rolling Stock and Condition

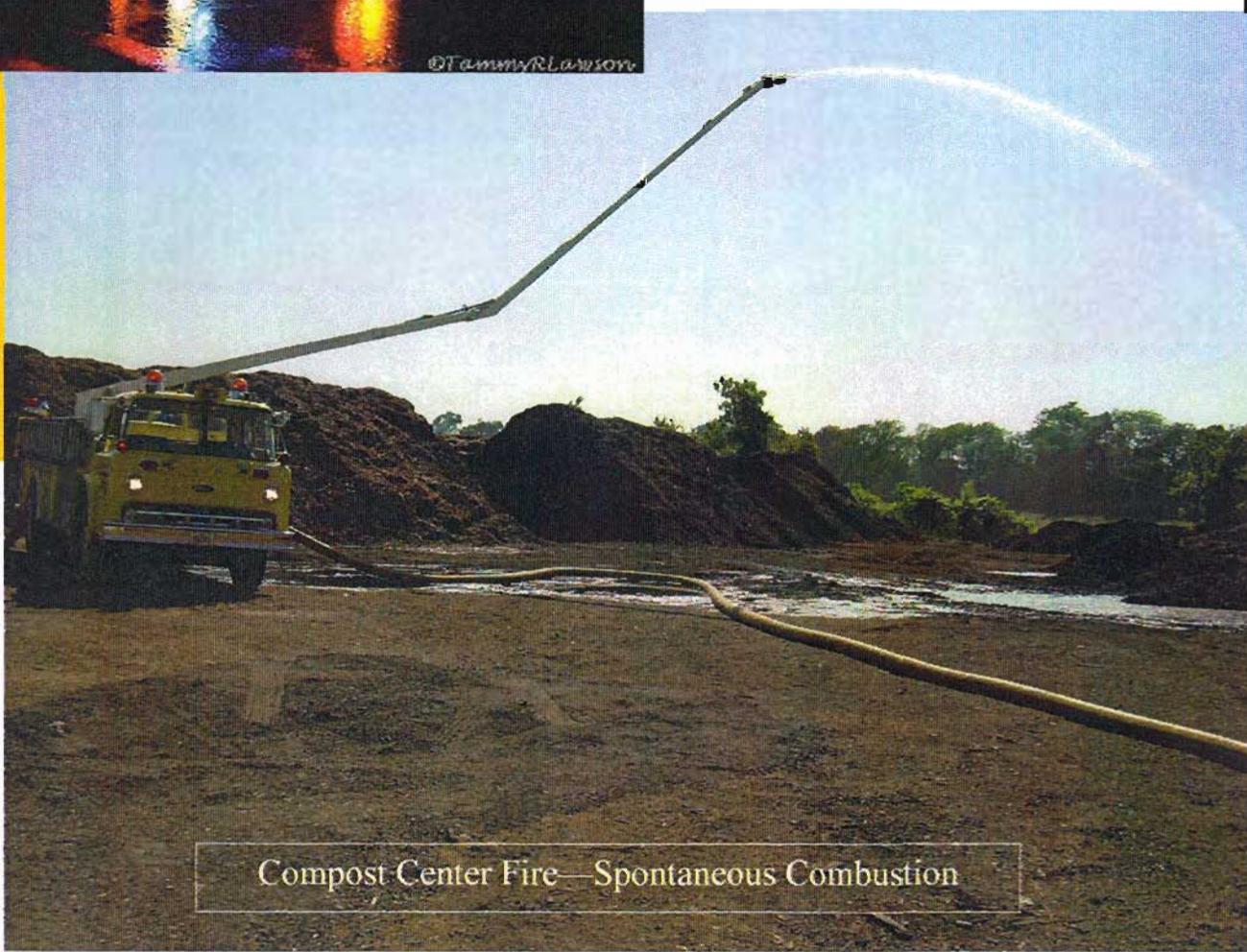
2012

	Year	Make	Mileage	Condition
#1	2008	Pierce Impel Pumper	21886	Excellent
#2	1992	Pierce Aerial	12609	Very good
#3	1974	Ford – Squrt	33119	Fair
#4	1989	Pierce Arrow - Pumper	72157	Good
#9	2004	Pierce Arrow - Pumper	64633	Very good
#11	1991	Chevy – Tanker	3515	Very good
#12	2006	GMC 4x4 Grass Rig	2415	Excellent
104	2000	Jeep	58071	Good
103	2010	Chevy Tahoe	14157	Excellent
102	2004	Dodge Dakota	43298	Very good
101	2013	Chevy Tahoe	302	Excellent

## Vehicle Extrication



Weather  
and  
Time of Day,  
Always  
Responding



Compost Center Fire—Spontaneous Combustion



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Mr. Steven Edwards, Fire Chief  
Marshalltown Fire Department  
107 South First Avenue  
Marshalltown, IA 50158

January 21st, 2013

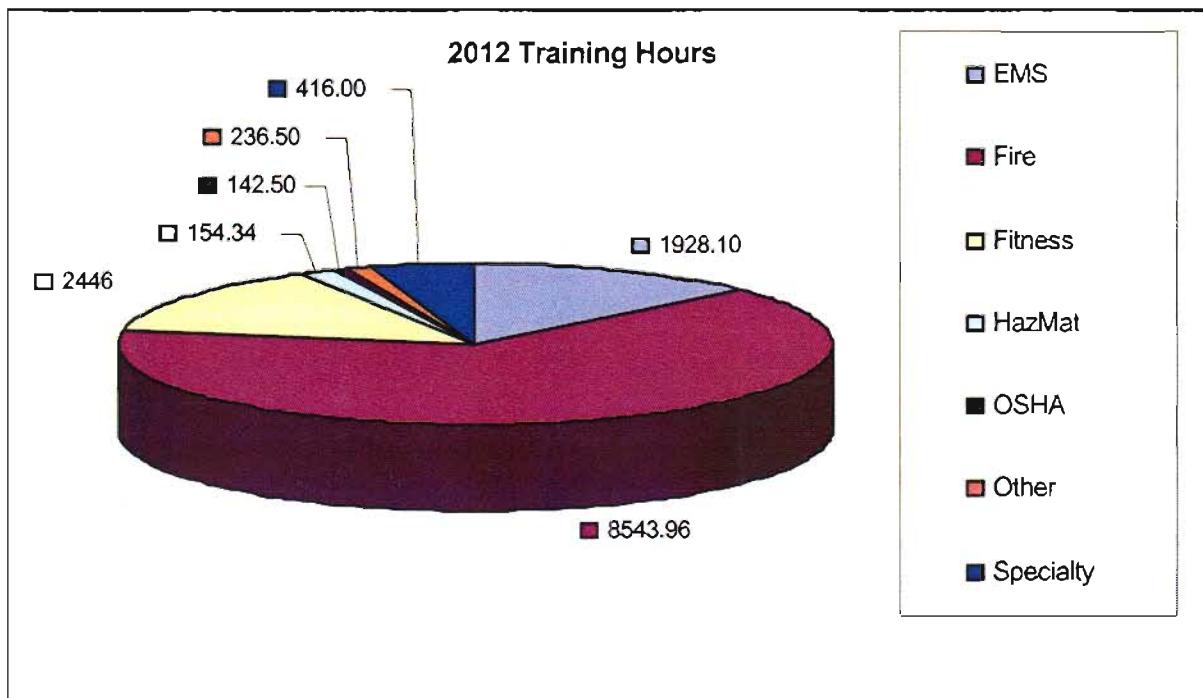
Dear Sir,

I herewith submit the Marshalltown Fire Department's annual training report for the year 2012 for your consideration and approval.

The fire department was very busy this past year refining our skills as firefighters as well as the many other disciplines that have become expected of us by the public we serve. In addition to numerous hours spent training on basic firefighting skills such as pump practices, ladders, ropes, hose handling, forcible entry, search and rescue, ventilation, fire behavior, building construction, and preplanning area businesses, we conducted the following focused training:

- Fit tested all personnel for self-contained breathing apparatus and N95 masks for the H1N1 threat.
- Performed ice rescue training through the ice at the retention pond.
- Conducted Radiological Monitoring refresher training and participated in the Duane Arnold Energy Center practice setup at the Marshall County Fairgrounds.
- Participated in drivers training.
- Conducted water rescue training at Sand Lake.
- Completed annual seven hour mandatory OSHA safety training.
- Tested our entire inventory of hose in the spring and early summer.
- Tested our fire pumps for annual certification standards.
- Tested all ground ladders and our aerial ladder. All passed this testing.
- Conducted live fire training for vehicle fires.
- Conducted business inspections, assisting Fire Marshal Lundgren.
- Participated in on site facility tours for confined spaces identified at IVH, Fisher controls, Interface Solutions and Lennox.
- Instructed and recertified all personnel in CPR.
- Participated in quarterly recertification on our defibrillator and King-tube.
- Conducted in-house recertification training for maintaining EMT licensing throughout the year. Started using new on-line classes to accomplish this.
- Conducted on the job training 4 week academy for one new hire.

Recorded training hours for our department were as follows:



- Fire: 64.0% (8,543.96 Hours)
- Emergency Medical Services: 13.0% (1,928.10 Hours)
- Fitness Training: 14.0% (2,446 Hours)
- OSHA: 1.0% (142.5 Hours)
- Specialty: 5.0% (416 Hours)
- Hazmat: 2.0% (154.34 Hours)
- Other Training: 1.0% (236.5 Hours)

Total recorded training hours = 13,867.40 Hours

Certifications, licenses and education for 28 personnel

Certified Fire Fighter I	28
Certified Firefighter II	28
Certified Instructor I	5
Certified Instructor II	1
Certified Officer I	3
Certified Officer II	1
Certified Fire/Expl. Investigator	1
Licensed EMT-B	27
Licensed EMT-I	0
Licensed EMT-P	1
Hazmat Operations Trained	28
Fire Science Certificate	2
Associate College Degree	4
Bachelors College Degree	4

Our department also participated in many volunteer activities for the department and community. Some of those activities were:

- Provided job shadow opportunities for Miller Middle school and MHS school students.
- Participated in safety week at Wal-Mart.
- Participated with Marshalltown Police Department's "Every Fifteen Minute" program at Marshalltown High School.
- Conducted second annual Citizens Academy for four weeks with a final day of live fire training at our training facility. 8 participants
- Went to Fisher Elementary school for lunch with birthday club kids.

The live fire training facility at the college campus was used by Marshalltown Fire Department and 2 other fire departments (Albion and Melbourne) to conduct training for 63 personnel and covering 162.5 hours of instruction and practice. This facility allowed us to conduct all required training for our personnel without having to acquire any used structures. All live fire and hands-on skills were performed and practiced at this facility.

This officer participated in the following personal development training:

- Attended a 5 day class on prevention and response to suicide bombing incidents in New Mexico.
- Attended a Life safety Initiative class at the fire station
- Attended Officer I class at winter fire school

I would like to make the following recommendations for your consideration, prioritized as follows:

1. Increase the training budget to allow for support of educational reimbursement for college classes for students working towards their fire science or other college degree.
2. Increase our protective clothing budget item to allow for replacement of aging Personal Protective Clothing.
3. Consider the addition of a New Central fire station to replace our decaying existing building and make for a more central location for response.

I would like to thank the local media, Times Republican, KFJB, and KDAO, for their coverage of our department's activities. Their presentation to the public of what services we provide and the training we participate in to become proficient at those services, is an invaluable tool to keep those we serve informed about what they can expect from their fire department.

Thank you to Fire Chief Edwards, FM Lundgren, all officers, and firefighters of the department for the many contributions they have made toward improving our skills through training. Once again thank you for your ideas, assistance, and support. Without input, recommendations, and follow up training we could not meet the expectations of the public we serve.

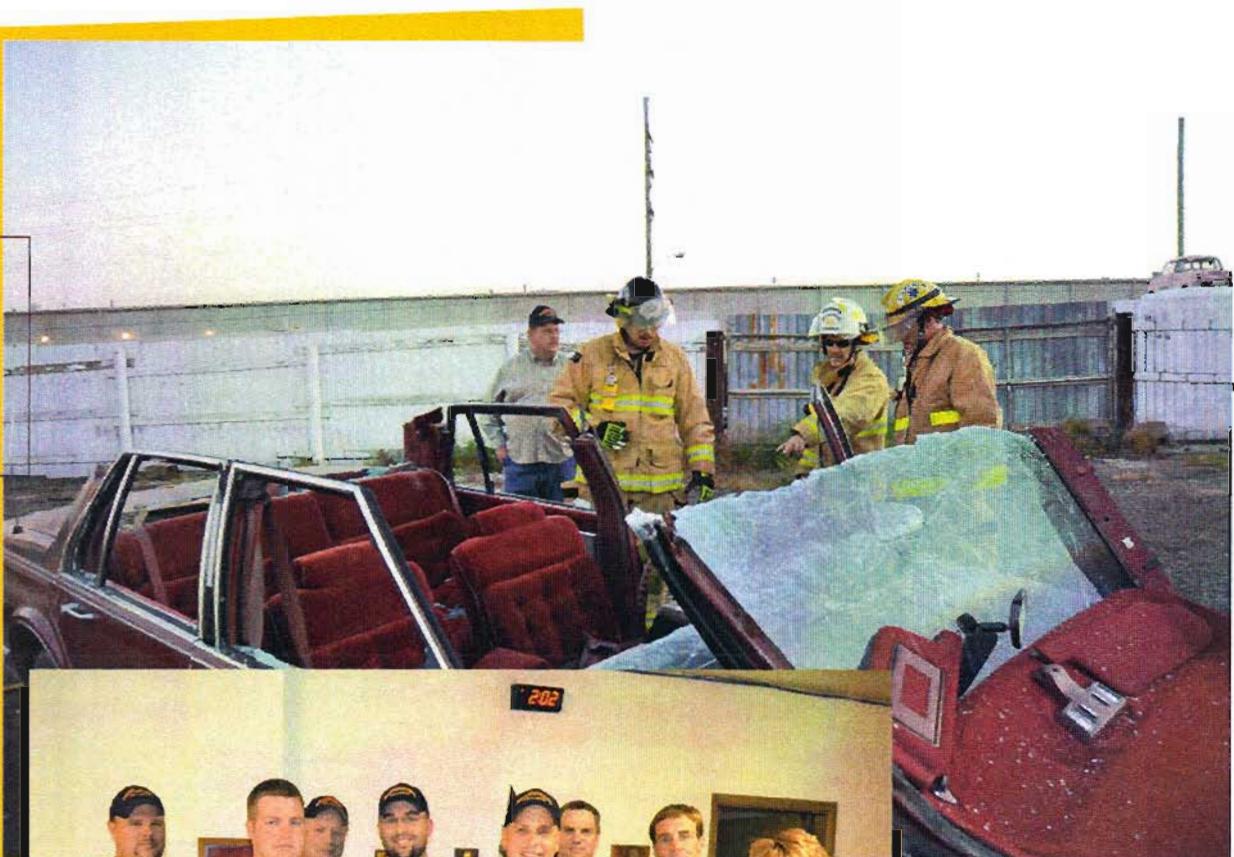
I submit this report for 2012 for your consideration and approval.

Respectfully submitted,



Scott A Johnson, Deputy Chief, Training Officer  
Marshalltown Fire Department

Citizens  
Academy  
Extrication  
At  
Hogeland's



Cancer  
Fund  
Raiser  
with  
MM&SC  
Foundation

High  
Angle  
Rescue  
Training





Marshalltown Fire Department  
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January 14, 2013

Mr. Steven Edwards, Fire Chief  
Marshalltown Fire Department  
107 South First Avenue  
Marshalltown, IA 50158

Dear Sir:

I hereby submit the annual report of the Marshalltown Fire Prevention Bureau for the year 2012 for your approval.

The Fire Prevention Bureau is currently enforcing the 2006 International Fire Code, State of Iowa Rules and Regulations and assisting with enforcement of the City of Marshalltown Housing Code.

Office services include research, correspondence, plan review, report preparation, data collection, processing and reporting. The Fire Prevention Bureau provides consultation services pertaining to fire prevention, safety and various code requirements for citizens, contractors and businesses. This office conducts fire investigations to determine origin and cause of fire including investigations pertaining to criminal matters.

Fire code inspections are conducted in occupancies that require a permit under the International Fire Code. Additional inspections conducted by this office include state licensed occupancies, complaint inspections and inspections by request. The fire crews continue to assist with permit inspections as does the Lt. Inspector when assigned to a 40-hour week.

Fire Prevention Education includes classes of instruction and demonstration concerning fire safety for businesses, schools, industries and the general public. Fire department personnel present these programs and those involved should be commended. Their dedication makes these programs successful.

Respectfully submitted,

Deb Lundgren, Assistant Chief, Fire Marshal  
Marshalltown Fire Department

**January 1, 2012 – December 31, 2012**

<b>Total Calls in 2012</b>	<b>2218</b>
Fire Related Deaths	0
Fire Related Calls	177
Rescue & Emergency Medical Services	1,625
Extrication of Victims from Vehicle	54
Hazardous Conditions – No Fire	45
Carbon Monoxide Incident	13
Overpressure/Rupture/Explosion	3
Service Calls/Good Intent	170
False Alarm & False Calls	124
Special Incident	7

**FIRE LOSS DATA**

Incident Type	Count	Total Values	Total Loss	Total Saved	% Lost	% Saved
Fires in structures other than building	5	\$48,800	\$38,650	\$10,150	79.20%	20.80%
Building Fire	25	\$11,856,819	\$506,250	\$11,350,569	4.27%	95.73%
Cooking Fire	3	\$135,525	\$1,025	\$134,500	0.76%	99.24%
Passenger Vehicle & Mobile Property Fire	18	\$84,400	\$64,251	\$20,149	76.13%	23.87%
Water Vehicle Fire	1	\$13,000	\$10,000	\$3,000	76.93%	23.17%
Brush/Grass/Grain Fires	21	\$100	\$50	\$50	50%	50%
Outside Dumpster/Trash Fire	96	\$6,200	\$1,100	\$5,100	17.74%	82.26%
<b>Grand Totals</b>	<b>169</b>	<b>\$12,144,844</b>	<b>\$621,326</b>	<b>\$11,523,518</b>	<b>5.12%</b>	<b>94.88%</b>

Total Percent Saved		Total Percent Lost	
2012	94.88%	2012	5.12%
2011	76.54%	2011	23.46%
2010	92.1%	2010	7.9%
2009	77.3%	2009	22.7%
2008	69.6%	2008	30.4%

#### Fire Department Emergency Calls by Year

2012	2,218	2008	2,274	2004	1,862	2000	1,952
2011	2,181	2007	2,052	2003	1,887		
2010	2,170	2006	1,996	2002	1,966		
2009	2,153	2005	1,879	2001	2,072		

#### Number of Calls by Day of Week

Sunday	297	Monday	332	Tuesday	343	Wednesday	292
Thursday	322	Friday	326	Saturday	306		

#### Calls by Time Frame

12 AM to 4 AM	192	4 AM to 8 AM	228	8 AM to 12 PM	463
12 PM to 4 PM	511	4 PM to 8 PM	468	8 PM to 12 AM	356

#### Property Use Summary

Assembly	4%	Educational	2%	Residential	63%	Business	4%
Manufacturing	2%	Storage	1%	Outside	15%	Health Care	6%

#### Average Response Time Per Building Fire

3 minutes, 30 seconds  
(2011 – 3 minutes, 49 seconds)

## **SMOKE ALARM PROGRAM**

—The Smoke Alarm Program for owner occupied homes continues. A total of more than 361 smoke alarms have been installed in 305 homes. The program is graciously supported by donations and grants.

To prevent fire deaths, working smoke alarms are the best protection residents can have. Working smoke alarms can increase chances of surviving a fire by 50%.

## **PUBLIC EDUCATION CONTACTS**

Fire Prevention Education includes classes of instruction and demonstration concerning fire safety for businesses, industries and the general public. Fire Safety Education is presented in all elementary schools, with additional classes on a request basis for other organizations.

This year fire department personnel made 63 contacts for 4060 individuals. In addition, the Fire Safety Poster Contest conducted by the Fire Department had 781 students from the second through fourth grade participate.

## **2012 INSPECTION TOTALS**

<b>TYPE</b>	<b>TOTAL</b>
Assembly	120
Assisted Living/Nursing Home	2
Business/Industrial/Lumber	51
Consult	84
Complaint	17
Educational/Daycare	22
Flammable/Combustible Liquids	17
Liquefied Petroleum	13
Municipal Housing/Residential	12
Repair Garage	19
Re-Inspections	184
<b>TOTAL</b>	<b>541</b>

2011 Total Inspections - 504

2010 Total Inspections - 524