

# ***“An Ounce of Prevention is Worth a Pound of Cure”***

*Benjamin Franklin*



The fire service as a whole receives well deserved praise for heroic efforts in the face of imminent danger. In actuality, most damage is done and most lives are lost before any emergency vehicles arrive. It's much better to prevent the problem from ever happening.

This plaque is dedicated to the unsung heroes of the fire service who have saved untold thousands of lives without Medals of Valor and the related fanfare. You don't read their names in the paper or see them getting awards from the City Council but they're heroes just the same. They are the Officers of the Fire Prevention Bureau. They save lives and property by planning ahead, teaching fire safety, and enforcing codes. It's not exciting but it's worth many, many pounds of cure.



## WINONA FIRE DEPARTMENT

*Serving Since November 1, 1889*

Headquarters - 451 E. 3rd St.

Winona, MN 55987-3912

FAX: 507/452-0345

[www.cityofwinona-mn.com](http://www.cityofwinona-mn.com)

### 2012 Fire Department Annual Report

Mayor, City Council and City Manager,

There was a slight drop in the number of calls for help in 2012. In 2012 we received 2,124 calls for help, a drop from 2011's record high of calls 2,176 calls. There was a slight increase in our overlapping calls from 165 in 2011 to 171 in 2012. These are calls for help while the Fire Department has not cleared a previous call. Approximately 71% of our calls are non-fire related. They are calls for emergency medical services (EMS), Rescue, etc.

A new rescue/pumper was delivered in 2012 replacing a 1985 pumper. The new unit is housed at the West Station.

In 2012 our radio system was replaced with the new state 800MHZ system. This is part of a state wide radio system and brought the city and county into compliance with FCC regulations. The cost of mobile radios, portable radios and new pagers for all first responder and fire departments in Winona County was 90% covered by a one million dollar federal grant. The logistics of the change was covered by Mike Peterson, Winona County Dispatch Supervisor and Joel Corcoran, Winona Fire Captain/Paramedic.

Also in 2012 a large industrial insulation vacuum was purchased to remove insulation from attics involved in fire. It is transported on a trailer and housed at the Central Fire Station.

Six new part time firefighters started basic training in January 2013.

This report contains detailed information on the activities and statistics of the department. You are encouraged to contact this office for any further explanation or to tour our facilities.

Respectfully Submitted,

A handwritten signature in black ink that reads "Ed Krall".

Ed Krall

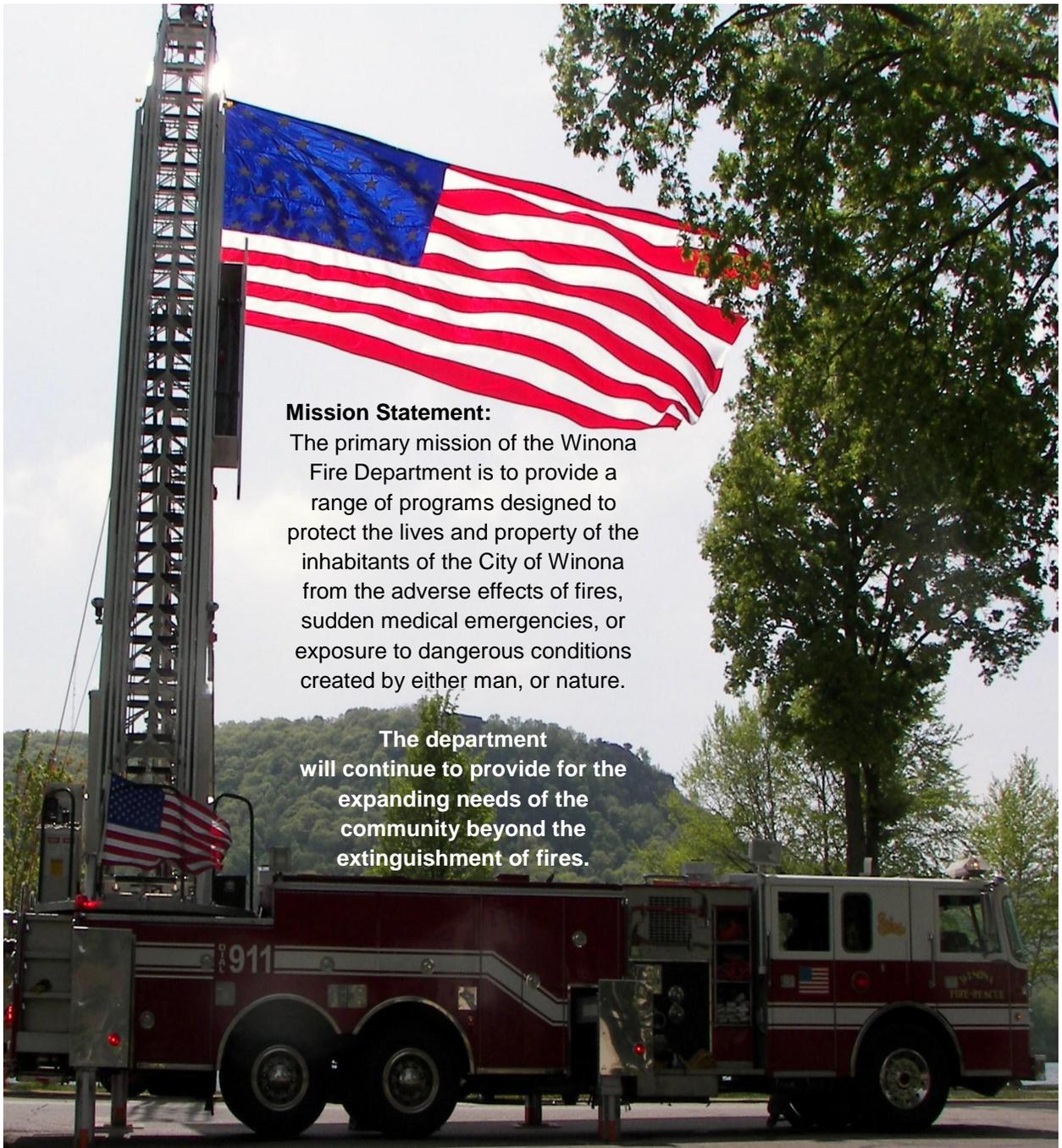
Fire Chief

# City of Winona Mayor – Jerry Miller

## Council members:

1 <sup>st</sup> Ward	Allyn Thurley
2 <sup>nd</sup> Ward	Gerry Krage
3 <sup>rd</sup> Ward	Deb Salyards
4 <sup>th</sup> Ward	George Borzyskowski
At-Large	Michelle Alexander
At-Large	Debbie White

Interim City Manager Judy Bodway



### **Mission Statement:**

The primary mission of the Winona Fire Department is to provide a range of programs designed to protect the lives and property of the inhabitants of the City of Winona from the adverse effects of fires, sudden medical emergencies, or exposure to dangerous conditions created by either man, or nature.

The department will continue to provide for the expanding needs of the community beyond the extinguishment of fires.

# Winona Fire Department

## Code of Ethics

The Winona Fire Department is dedicated to the protection and preservation of life and property against fire, emergency medical conditions and other emergencies coming under its jurisdiction. Towards this endeavor, members of the department strive to live according to ethical principles consistent with professional conduct and shall;

Maintain the highest standards of personal integrity, be honest and straightforward in dealing with others and avoid conflicts of interest.

Place the public's safety and welfare and the safety of firefighters above all concerns; be supportive of training and education which promote safe living and working conditions.

Be mindful of the needs of others  
And assist them freely in developing their skills, abilities, and talents to the fullest extent; offer encouragement to those trying to better themselves, the Department and the Fire Service.

Be supportive of the Minnesota State Fire Code, and the fire protection needs of the City of Winona.

Foster creativity and be open to consider innovations that may better enable the performance of the duties and responsibilities of the Winona Fire Department.



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## Jurisdiction Protected

The Winona Fire Department protects:    24 sq. miles in the city  
27,561 people in the city

The department responds with extrication services outside of its normal jurisdiction by contract with the Town of Buffalo, WI. There are mutual aid contracts with Wilson, Goodview, Lewiston, Pickwick, and Fountain City, WI. The City of Goodview also contracts with Winona for hazardous material responses.

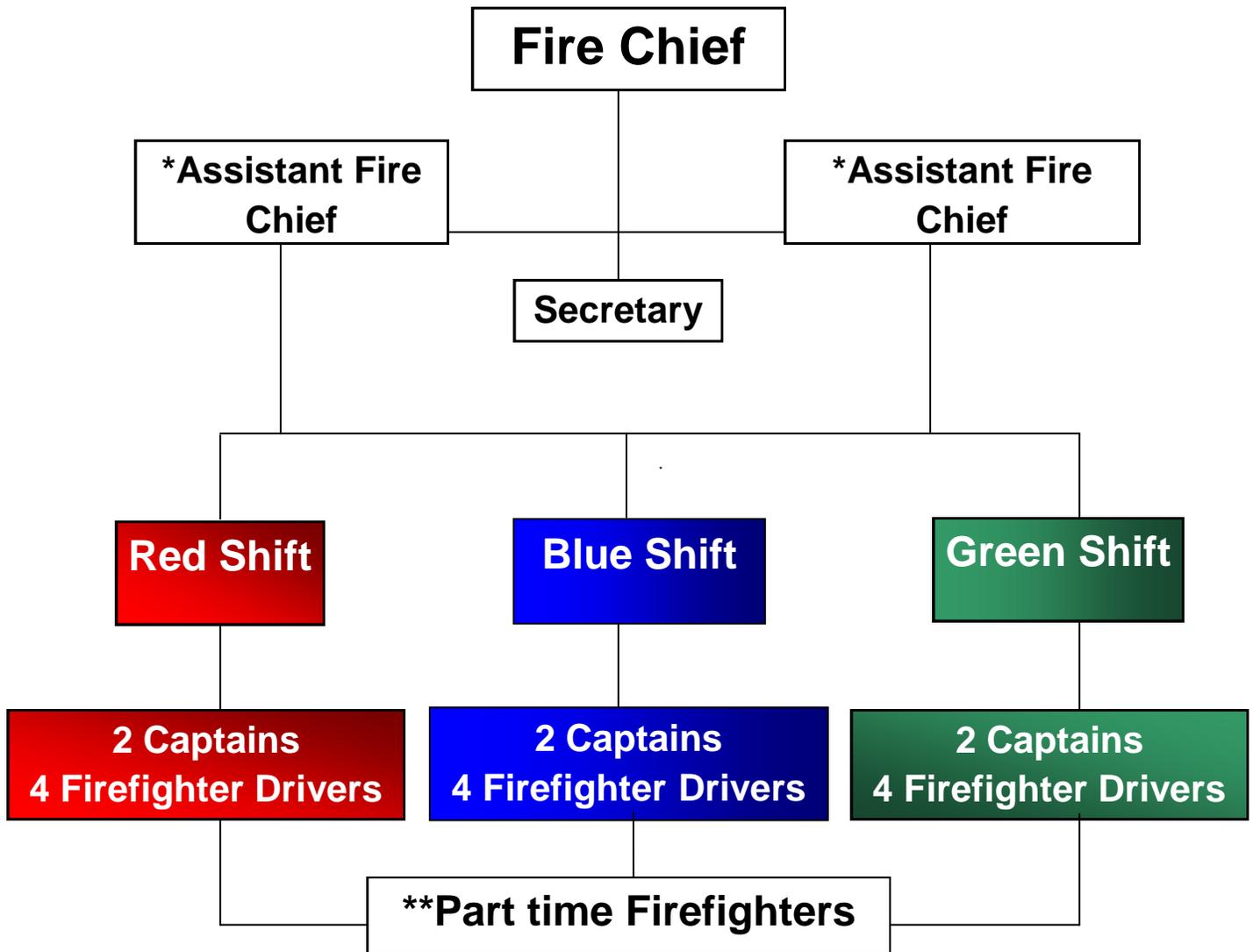
Within the city limits are one airport, one hospital, three nursing homes, two universities with associated off-campus student dwelling units, one technical college. Student populations include 8,896 students enrolled at Winona State University, approximately 5,688 students enrolled at St. Mary's University as traditional undergraduate students and 3,327 at Minnesota State College Southeast Technical.



There are 10,033 households. Thirty-five percent of the households are rental units. Over seventy-five percent of the homes pre-date the 1950's with more than forty-five percent of those pre-dating the turn of the century.

There is an older downtown business area with structures in excess of 100 years in age. A portion of these is protected with built-in systems monitored at remote locations.

# Winona Fire Department



\*One Assistant Chief is primarily responsible for Fire Prevention, Public Education, Investigations, etc.

\*One Assistant Chief is primarily responsible for training, part time program, hazardous material, etc.

\*\*There are a minimum of 15 and a maximum of 30 part time firefighters. The numbers will vary.

Winona Fire Department  
Organizational Statement  
Per OSHA 1910.156 and NFPA 1500, Chapter 2 (1992 Edition)

January 1, 2013  
Date



Fire Chief

### **Organizational Chart**

The organizational chart of the Winona Fire Department, as of January 1, 2013, is attached to this statement. As of that date, the department is authorized:

- 1 Fire Chief
- 2 Assistant Chiefs
- 6 Captains
- 12 Firefighter / Drivers
- 19 Active Part-time Firefighters
- 1 Part-time Firefighter Military Leave

The Fire Chief and two Assistant Chiefs work a 40-hour work week. One Assistant Chief is in charge of fire prevention and public education; and the other Assistant Chief is in charge of training and the part time program. Both Assistant Chiefs are of equal rank and answer directly to the Fire Chief. The six Captains and 12 career firefighters/drivers are normally assigned to 24-hour shifts averaging 56 hours per week. The 18 career personnel that are assigned to 24-hour shifts are divided into three shifts – Red, Blue and Green. Each shift has two officers (Captains) assigned to it, plus 4 firefighter/drivers. The Captain at the Central Station is the “Company Officer”. The part time firefighters are paid on call.

### **Training**

Prior to becoming a career firefighter, an individual must successfully complete Basic Firefighting training and be a certified Firefighter I by the State Fire Service Certification Board, and be certified as an Emergency Medical Technician by EMS Regulatory Board.

Fire Department training is divided into several general areas including; firefighting, emergency medical services, hazardous material, and rescue. It is recognized that much of this training overlaps; however, these are general guidelines for record keeping purposes.

One Assistant Chief is in charge of training and maintaining training records. A hard copy is printed annually and inserted into an individual training binder for each member of the department, and available for inspection to any regulatory agency or the individual.

Copies of all certificates, diplomas and other training received outside of the Winona Fire Department are also maintained in this binder. The originals are issued back to the individual. Training for career (full time) Personnel usually occurs between Mondays and Fridays but can occur at any time. Personnel are encouraged to attend outside training such as sectional, regional and state fire schools. The City does NOT have the resources to pay overtime for attending such training sessions. However, all tuition registrations, meals and lodging expenses are covered for individuals that volunteer to go to these training sessions. In-house training is scheduled by the Assistant Chief in charge of training, and may be conducted by an Assistant Chief, Captain, or Firefighter Specialized in a particular area, or an outside instructor.



Part time personnel usually train the first three Wednesday nights of the month for three hours each night. Part time personnel are also encouraged to attend outside training sessions.

One Assistant Chief oversees all training records, establishes training schedules, monitors training conducted by Captains, and generally monitors the entire training program of the Department.

One Assistant Chief is in charge of Fire Prevention Programs, Plan Reviews, Facility Management and Apparatus Maintenance.

## **Functions at the Workplace**

Career and part time personnel maintain fire department facilities, apparatus, vehicles, and equipment. Major repairs beyond the expertise and time constraints of personnel, are performed at the City of Winona Central Garage, or contracted out.

## **Performance of Duties**

All personnel are expected to perform the arduous tasks of an interior structural firefighter. Additionally, members are expected to perform emergency medical services, rescue operations and certain corrective actions at hazardous material incidents.

It is the intention of the Winona Fire Department to ensure that its members are properly trained and equipped to perform the tasks expected of them, to provide for their safety and be in compliance with all regulatory agencies. No member of the Department is ever expected to perform duties beyond the scope and intention of their training, personal protective equipment, and emergency response equipment.

The Winona Fire Department does provide, at no cost to any member, a periodic physical examination to ensure that the member is physically capable to perform the duties of an interior structural firefighter, and hazardous material technician physical exams to full time personnel.

## **Emergency Response**

Currently the Fire Department maintains 5 personnel on duty, 24 hours per day, every day of the year, per City Council Resolution of March 21, 1994, April 6, 1998, and again on July 19, 1999. This was reconfirmed at a budget meeting on August 25, 2009 and again in 2010 at budget meetings. The 5 personnel are divided between the two stations and come together for training, apparatus maintenance and certain social events.

Shift Captains are authorized to “page” off duty and part time personnel whenever the need is recognized and shall page all personnel for all confirmed structure fires.



## Emergency Medical Services – By Captain Curt Bittle

The Winona Fire Department responded to 1511 medical calls in 2012. This is a .98% decrease from 2011 although with the baby boom generation aging all projected studies suggest increase of 20% - 25% on medical calls per year for the next few decades. This will have a trickledown effect on wear and tear of front line vehicles.

To keep pace with the ever increasing call volume, the department has invested time and money in personnel and equipment. All shift personnel

are registered as Emergency Medical Technicians, thirteen of these are Paramedics. The Paramedics are capable of performing more advanced life support (ALS) procedures. A breakdown of ALS procedures and medication used in 2012 are as follows:



## Advanced Life Support (ALS) Procedures in 2012

Defibrillations	3 Times
EKG Monitoring	61 Times
IV Therapy	26 Times
Albuterol	9 Times
Epinephrine	2 Times
Nitroglycerin	16 Times
Aspirin	22 Times
Dextrose 50%	0 Times
Oral Glucose	15 Times
EPI Pen	2 Times

# 2012 Full Time Roster

<b>40 Hour Per Week Personnel</b>	<b>Anniversary Date</b>
Fire Chief, Ed Krall	11/10/72
Assistant Fire Chief, Jim Multhaup	1/8/80
Assistant Fire Chief, Britt Hendrickson	3/22/88
<hr/> <b>Captains</b> <hr/>	
Jim Pelley	3/31/86
Larry Vogen	2/7/90
Curt Bittle	8/18/92
Duane Chadbourn	8/18/92
Brandon Luehmann	11/5/05
Joel Corcoran	4/19/02
<hr/> <b>Firefighter / Drivers</b> <hr/>	
William Heitman	8/21/79
Mark Vieth	5/23/07
<hr/> <b>Firefighters / Drivers / Paramedics</b> <hr/>	
Jason Theusch	10/14/99
Shawn Kohner	4/13/02
Mark Allred	12/24/04
Matt Lisowski	12/23/05
Kirk Skogebo	3/26/09
Matt Yackel	12/15/10
Nathan Speltz	6/21/11
Shaun Bartelson	7/21/11
Derick Ritter	9/25/11
*Brandon Czaplewski	4/29/12
 <i>*Entrance Firefighter</i>	
<hr/> <b>Secretary</b> <hr/>	
Crystal Howe (20 Hours/Week)	8/13/12
<hr/> <b>Retired</b> <hr/>	
Kim Bartelson	2/3/81 5/25/12

## Part Time Program

Part time firefighters go through the same hiring process as the full time city employees, including a written test, agility test, and interview. They are paid an hourly rate based upon their level of certification. The part time program started in June of 1992. Below is a listing of the various certification levels of part-time personnel.

Last Name	First Name	Step	Certification Level	EMS/Paramedic	Haz/Mat
Allred	Mike	E	II	EMT-P	OPER
Anderson	Brent	D	II	EMT	OPER
Brueggen	Peter	D	II	EMT	AWARE
Casperson	Charles	C	I	FR	OPER
Cottrel	Daniel	D	II	FR	AWARE
Douglas	Paul	D	II	FR	AWARE
Felix	Dustin	A	I		
Harris	Jeffery	C	I	FR	AWARE
Klaver	Jacob	D	II	EMT	AWARE
Knights	Chris	D	II	FR	OPER
Larson	Chad	D	II	EMT	OPER
Lisson	Andrew	D	II	EMT	OPER
Lossen	Alex	D	II	EMT	OPER
Mayer	Charles	D	II	EMT	AWARE
Merchlewitz	Rodney	D	II	FR	OPER
Passehl	Craig	D	II	EMT	OPER
Schmelzer	Josh	D	II	EMT	AWARE
Thill	David	C	I	FR	AWARE
Van Brunt	Bill	D	II	EMT	AWARE

Firefighter certification is a voluntary certification program, conducted by the Minnesota Fire Service Certification Board, in cooperation with the Technical College System. The certification tests require both written and “hands on” testing of basic firefighting skills.

In 2009, the Minnesota Legislature adopted Minnesota Statute Section 299N.05 which requires the MN Board of Firefighter Training and Education to License all full time firefighters by 7/1/2011. The Winona Fire Department licensed all full time and Part time personnel in June of 2011. Every 3 years a licensed firefighter must complete 72 hours of continuing education.

Part time personnel usually train on the first three Wednesday nights of each month. They are also given opportunities to attend training outside of the department.

In addition to regular training part time personnel are allowed to do “ride-alongs”. While doing a ride-along personnel will assist full time personnel in building maintenance and become familiar with apparatus.



For 2012, the Part Time personnel responded to 16 general pages and 1 shift page, and had a total of 2,665 hours in training and ride-alongs.

For 2012 the part time personnel averaged 55% page in response and 140 hours of training which includes Firefighter I, EMT and Paramedic classes. In 2012 part time personnel attended 552 hours of ride along hours. These are hours that the part time personnel requested.



On January 3, 2013 6 new part-time personnel started Firefighter I/II training.

## 2012 Statistics

The National Fire Protection Agency (N.F.P.A.) in a news release dated August 14, 1993, published a Tentative Interim Amendment (T.I.A.) to their standard known as N.F.P.A. 1500. This T.I.A. defines a Working Structural Fire as follows:

“Any fire that requires the use of a 1 ½ inches or larger fire attack hose line and that also requires the use of self-contained breathing apparatus for members entering the hazardous area.”

The recent history of this type of fire is:

2001	7
2002	11
2003	13
2004	7
2005	17
2006	8
2007	11
2008	8
2009	10
2010	7
2011	16
2012	8



## Emergency Record

	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Fire & Fire Related	586	431	548	480	502	606	654	515	553	635	613
EMS/Rescue	941	958	1017	1209	1261	1427	1436	1463	1517	1541	1511
<b>TOTAL</b>	<b>1527</b>	<b>1389</b>	<b>1565</b>	<b>1689</b>	<b>1763</b>	<b>2033</b>	<b>2090</b>	<b>1978</b>	<b>2070</b>	<b>2176</b>	<b>2124</b>

## Overlapping Calls

These are calls for assistance prior to clearing the scene of a previous call. The record for this type of call is

2008	157
2009	149
2010	136
2011	165
2012	171

It would be extremely difficult to respond to these calls in a timely manner with less than the mandated 5 person response crew.

## Incident Report Summary 2012

	Incident type	Count	Percent of Incident
<b>1</b>	<b>Fire</b>		
111	Building Fire	19	0.89%
113	Cooking Fire, confined to container	5	0.23%
114	Chimney or Flue Fire, confined to chimney	1	0.04%
118	Trash or Rubbish Fire, contained	2	0.09%
131	Passenger Vehicle Fire	8	0.37%
132	Road Freight or Transportation Vehicle Fire	3	0.14%
138	Off-Road Vehicle or Heavy Equipment Fire	1	0.04%
140	Natural Vegetation Fire, other	1	0.04%
141	Forest, Woods or Wild Land Fire	1	0.04%
142	Brush or Brush-and-grass Mixture Fire	2	0.09%
143	Grass Fire	7	0.32%
151	Outside Rubbish, Trash or Waste Fire	12	0.56%
152	Garbage Dump or Sanitary Landfill Fire	1	0.04%
153	Construction or Demolition Landfill Fire	1	0.04%
154	Dumpster or other outside trash receptacle	2	0.09%
160	Special Outside Fire, other	1	0.04%
162	Outside Equipment Fire	3	0.14%
	<b>Total</b>	<b>70</b>	<b>3.21%</b>

<b>2</b>	<b>Overpressure Rupture, Explosion, Overheat (no fire)</b>		
200	Overpressure Rupture, Explosion, Overheat	1	0.04%
	<b>Total</b>	<b>1</b>	<b>0.04%</b>

<b>3</b>	<b>Rescue &amp; Emergency Medical Service Incident</b>		
300	Rescue, EMS Incident, other	1	0.04%
311	Medical Assist, assist EMS crew	697	32.81%
3111	Medical Assist, assist EMS crew	57	2.68%
321	EMS call, Excluding vehicle accident with	606	28.53%
322	Motor Vehicle Accident with Injuries	35	1.64%
323	Motor Vehicle/Pedestrian Accident (MV PED)	6	0.28%
324	Motor Vehicle Accident with no injuries	30	1.41%
342	Search for Person in Water	2	0.09%
350	Extrication, Rescue, other	1	0.04%
351	Extrication of victim(s) from	1	0.04%
352	Extrication of victim(s) from Vehicle	3	0.14%
353	Removal of victim(s) from Stalled Elevator	10	0.47%
356	High-angle Rescue	1	0.04%
360	Water, Ice-related Rescue, other	1	0.04%
362	Ice Rescue	1	0.04%
365	Watercraft Rescue	2	0.09%
381	Rescue or EMS standby	57	2.68%
	<b>Total</b>	<b>1,511</b>	<b>71.13%</b>

	Incident Type	Count	Percent of Incident
<b>4</b>	<b>Hazardous Condition (no fire)</b>		
411	Gasoline or Other Flammable Liquid Spill	1	0.04%
412	Gas Leak (natural gas or LPG)	22	1.03%
413	Oil or other Combustible Liquid Spill	4	0.18%
424	Carbon Monoxide Incident	16	0.75%
440	Electrical wiring/equipment problem, other	1	0.04%
441	Heat from short circuit (wiring)	1	0.04%
442	Overheated Motor	1	0.04%
444	Power Line Down	5	0.23%
445	Arcing, Shorted Electrical Equipment	9	0.42%
463	Vehicle Accident, general cleanup	7	0.32%
	<b>Total</b>	<b>67</b>	<b>3.15%</b>

<b>5</b>	<b>Service Call</b>		
500	Service Call, other	2	0.09%
510	Person in Distress, other	1	0.04%
511	Lock-out	1	0.04%
522	Water or Steam Leak	2	0.09%
531	Smoke or Odor Removal	15	0.70%
5311	Smoke or Odor Removal – Investigation only	41	1.93%
542	Animal Rescue	3	0.14%
550	Public Service Assistance, other	2	0.09%
551	Assist Police or other Governmental Agency	6	0.28%
553	Public Service	5	0.23%
554	Assist Invalid	20	0.94%
555	Defective Elevator, no occupants	1	0.04%
561	Unauthorized Burning	18	0.84%
	<b>Total</b>	<b>117</b>	<b>5.50%</b>

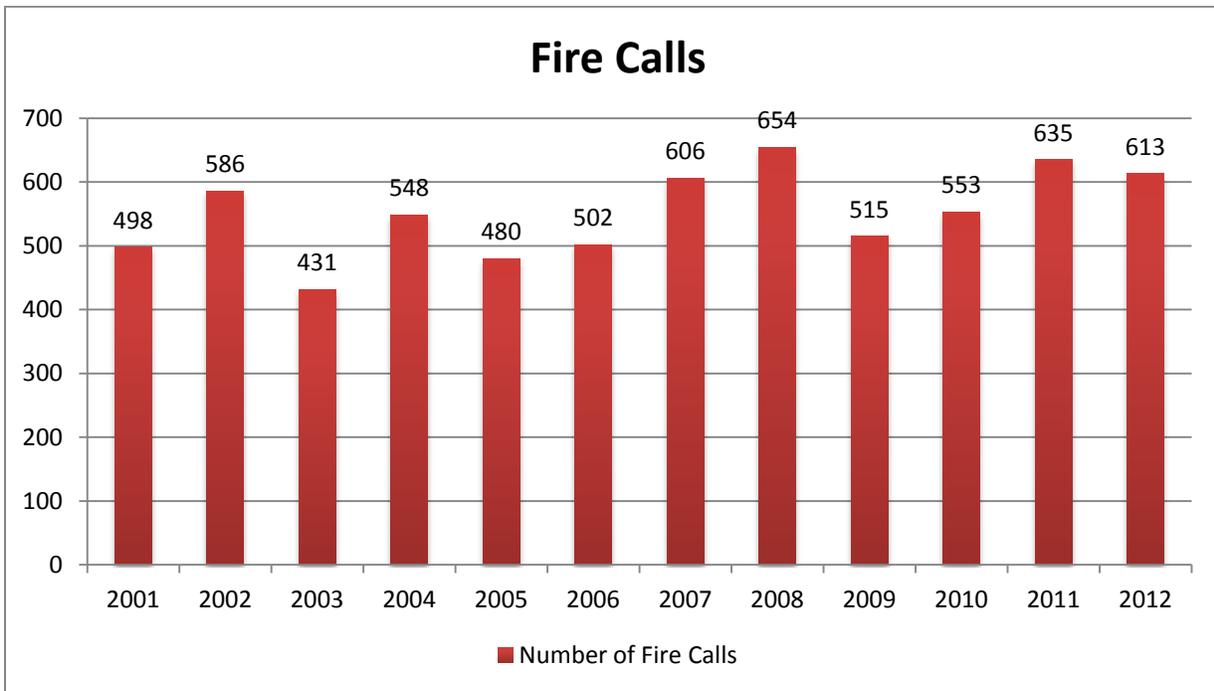
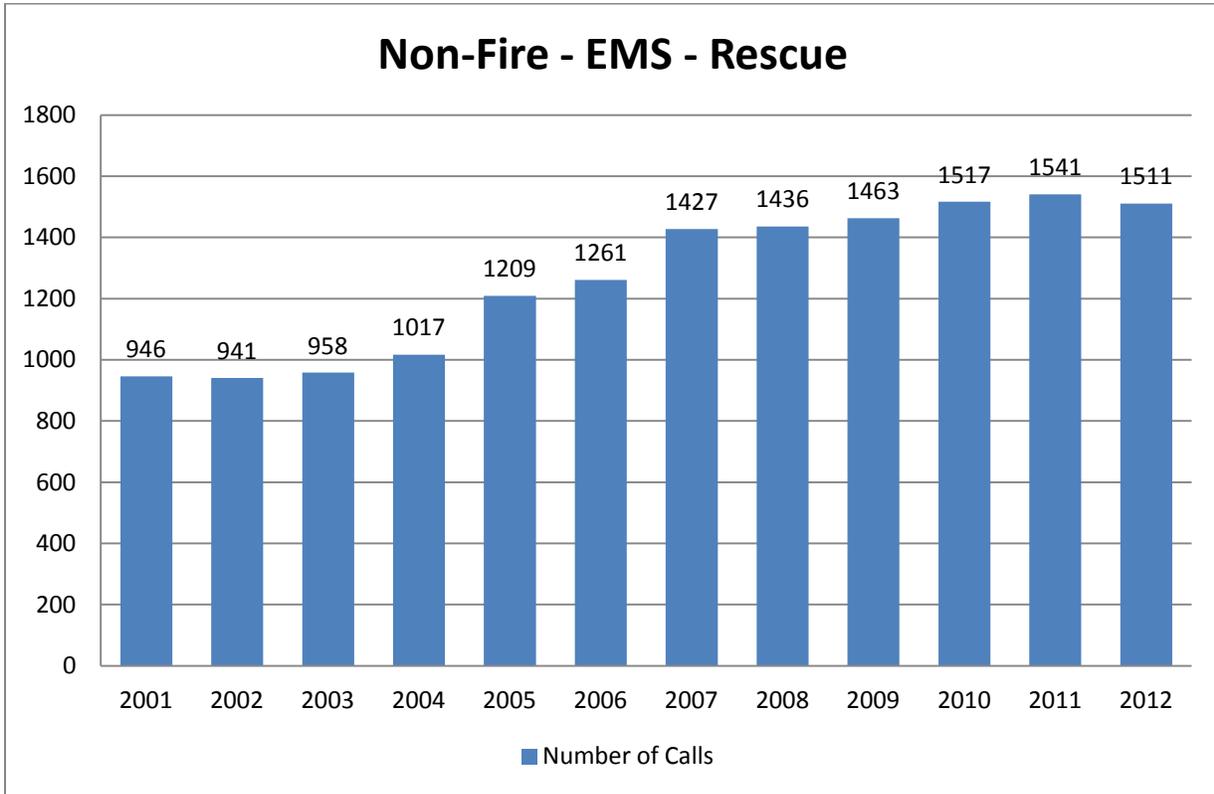
<b>6</b>	<b>Good Intent Call</b>		
600	Good Intent Call, other	2	0.09%
611	Dispatched & Cancelled en route	79	3.71%
621	Wrong Location	2	0.09%
622	No Incident Found on Arrival at Dispatch	45	2.11%
631	Authorized Controlled Burn	1	0.04%
651	Smoke Scare, Odor of Smoke	1	0.04%
652	Steam, Vapor, Fog or Dust thought to be	1	0.04%
653	Smoke from Barbecue, Tar Kettle	2	0.09%
671	HazMat Release Investigation w/no HazMat	3	0.14%
	<b>Total</b>	<b>136</b>	<b>6.40%</b>

	Incident Type	Count	Percent of Incident
<b>7</b>	<b>False Alarm &amp; False Call</b>		
700	False Alarm or False Call, Other	13	0.61%
710	Malicious, Mischievous False Call, Other	1	0.04%
711	Municipal Alarm System, Malicious False	3	0.14%
714	Central Station, Malicious False Alarm	1	0.04%
715	Local Alarm System, Malicious False Alarm	6	0.28%
730	System Malfunction, other	1	0.04%
731	Sprinkler Activation due to malfunction	2	0.09%
733	Smoke Detector Activation due to	24	1.12%
735	Alarm System Sounded due to malfunction	22	1.03%
736	CO Detector Activation due to malfunction	13	0.61%
740	Unintentional Transmission of Alarm, other	4	0.18%
741	Sprinkler Activation, no fire	5	0.23%
742	Extinguishing System Activation	1	0.04%
743	Smoke Detector Activation, no fire	58	2.73%
744	Detector Activation, no fire	9	0.42%
745	Alarm System Activation, no fire	40	1.88%
746	Carbon Monoxide Detector Activation, no co	14	0.65%
	<b>Total</b>	<b>217</b>	<b>10.21%</b>

<b>9</b>	<b>Special Incident Type</b>		
911	Citizen Complaint	5	0.23%
	<b>Total</b>	<b>5</b>	<b>0.23%</b>

**Total Incident Count: 2124**



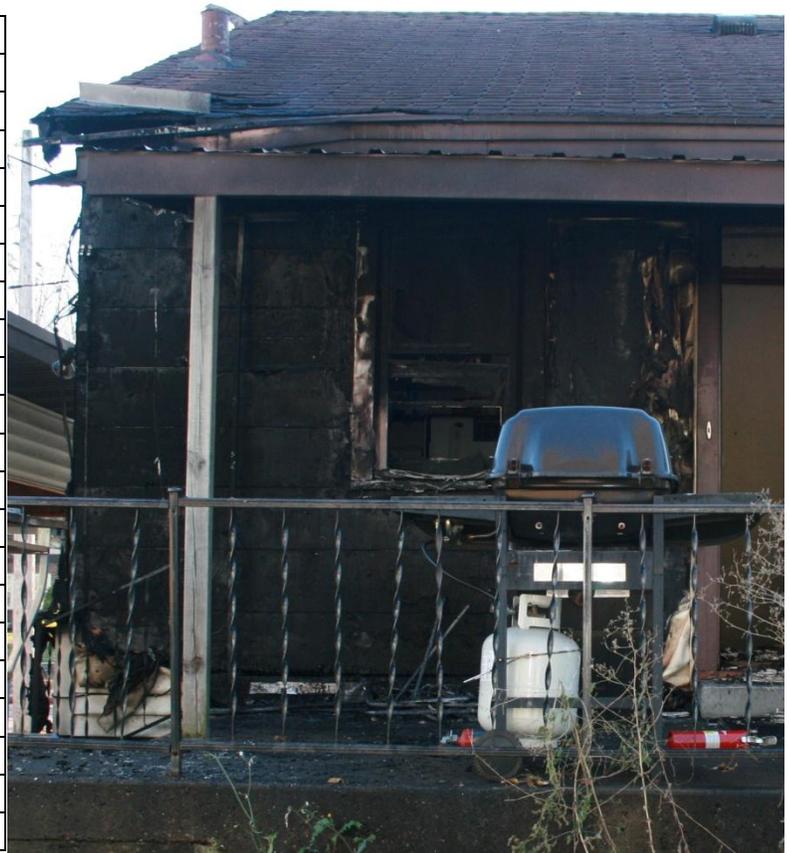


# Comparable Fire Loss



Year	Alarm Calls	Fire Loss
1970	279	\$15,609
1971	268	\$798,804
1972	275	\$304,547
1973	276	\$163,950
1974	317	\$655,511
1975	316	\$122,348
1976	334	\$428,531
1977	378	\$234,993
1978	338	\$349,953
1979	350	\$71,456
1980	437	\$292,601
1981	577	\$435,775
1982	618	\$1,054,417
1983	737	\$194,350
1984	738	\$173,055
1985	883	\$136,513
1986	847	\$418,813
1987	941	\$238,541
1988	916	\$371,628
1989	922	\$221,314
1990	943	\$595,922
1991	864	\$1,186,198

Year	Alarm Calls	Fire Loss
1992	957	\$452,264
1993	1117	\$311,185
1994	1207	\$1,109,279
1995	1202	\$324,468
1996	1346	\$496,889
1997	1321	\$588,735
1998	1482	\$562,250
1999	1469	\$603,040
2000	1391	\$245,300
2001	1444	\$835,900
2002	1527	NA
2003	1389	\$534,140
2004	1565	\$171,974
2005	1689	\$722,371
2006	1763	\$1,259,701
2007	2033	\$419,776
2008	2090	\$911,849
2009	1978	\$729,575
2010	2070	\$560,050
2011	2176	\$2,000,585
2012	2124	\$1,028,301



## Injuries

Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Civilians	0	0	0	1	2	2	2	0	0	5	1
Firefighters	1	2	10	5	8	11	7	9	5	9	6
Totals	1	2	10	6	10	13	9	9	5	14	7

## Deaths

Year	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Civilians	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0

## Fire Deaths

There were no fire-related deaths from 2002 through 2012.

## Mutual Aid

Winona Fire Department did not receive any mutual aid, but we gave mutual aid a total of 4 times.

## Response Time

The Winona Fire Department Measures response time from the time that we get the call, until the first unit is on the scene.

Our average response time for 2012 was 3:46 minutes.



# Pages

Fire Officers are authorized to page off-duty personal and part time personnel whenever the need arises. They are to page for assistance at all confirmed structure fires.



There were 15 **General Pages** in 2012.

Year	Pages
2001	29
2002	25
2003	18
2004	12
2005	23
2006	15
2007	21
2008	19
2009	10
2010	10
2011	21
2012	15

Average number of personnel responding to General Pages excluding chief officers:  
General Pages (All Shifts)

Within	5	Minutes	3.6	Personnel
Within	10	Minutes	5.2	Personnel
Within	15	Minutes	5.0	Personnel
Within	20	Minutes	1.8	Personnel

These numbers do not include the minimum staff level of five (5) or chief officers.



Accumulative totals of off-duty personnel responding to a general page:

Within	5	Minutes	3.6	Personnel
Within	10	Minutes	8.8	Personnel
Within	15	Minutes	13.8	Personnel
Within	20	Minutes	15.6	Personnel

# Apparatus 2012

The City took delivery of a new rescue/pumper late in 2012. This unit (#234) replaced a 1985 pumper. It is housed at the West Station as a “Front Line” unit. This allowed the former front line unit at the West Station to be moved into “back up” status. This unit (#233) is a 1996 unit with over 95,000 miles on it and is prone to numerous repairs. Hopefully in back up service we can get several more years out of it. At the time of this writing the 2013 budget contains funds for another new rescue/pumper to replace a 1989 unit (#232).

Also in 2012 the department purchased an industrial insulation vacuum. This equipment is utilized to remove insulation from an attic that is involved in a fire.

## Unit #231

2006 Pierce 1500 gpm Pumper  
Mileage: 26,880  
Function: Front Line  
Pumper, Central Station  
1,202 Runs 2012



## Unit #232

1989 Pierce 1250 gpm Pumper  
Mileage: 64,516  
Function: Backup Pumper  
Central Station  
387 Runs 2012



## Unit #234

2012 Rosenbauer  
1500 gpm Pumper  
Mileage: 2,435  
Function: Front Line  
Pumper West Station  
134 runs 2012



## Unit #233

1996 Pierce 1500 gpm Pumper  
With 50' Telesquirt  
Mileage: 95,121  
Function Backup Pumper  
West Station  
445 Runs 2012



**Unit #236**

2003 Freightliner/Custom  
Mileage: 3,185  
Function: 2,000 gallon Water  
Tanker with 500 gpm pump  
Central Station  
11 Runs 2012



**Unit #238**

1993 Pierce with 105' aerial ladder;  
1,500 gpm pump  
500 gallons of water.  
Mileage: 37,479  
Function: Front Line aerial device, can  
also be used as a pumper  
198 Runs 2012



**Unit #244**

1988 Chevrolet Step Van  
Mileage: 139,957  
Function: Command Post,  
Haz/mat Equipment, confined space  
rescue equipment, cold water rescue,  
high level rescue.  
3 Runs 2012



**Unit # 005**

2000 Ford Excursion  
Mileage: 60,222  
Function: Assistant Chief  
in Charge of Training  
32 Runs 2012



**Unit #222**

Ford F-250  
Pickup Truck  
Mileage: 5,386  
43 Runs 2012



**Unit #230**  
Ford  
Mileage: 1,723  
Function: Light Rescue / Rehab  
14 Runs 2012



**Unit # 1106**  
Impala  
Mileage: 8,432  
Function: Fire Chief  
8 Runs 2012



**Unit #004**  
2000 Ford  
Mileage: 48,266  
Function: Assistant Chief  
6 Runs 2012



**Unit #996**  
1999 Ford  
Mileage: 41,881  
Function: Public Education  
Classes  
9 Runs 2012



1981 16' Polar Kraft Boat  
2000 35hp Johnson motor  
Function:  
Used for Water Rescue  
8 Runs 2012



Generator Trailer  
5k Generator  
Runs 2012



2011 Enclosed Trailer  
Function: Trench Rescue  
Confined Space Rescue  
0 Runs 2012



2012 Insulation Vacuum  
Function: Remove  
Insulation from an attic that is  
involved in a fire.



# Annual Service Testing of Fire Hose Submitted by Captain Duane Chadbourn

All Winona Fire Department fire hose on apparatus or in storage is inspected and pressure tested annually in accordance with the recommendations of N.F.P.A. Standard 1962. The purpose of the service test is to insure the safety and reliability of the fire hose when it is used at an incident. Each hose section is numbered and corresponding records are maintained during its lifetime regarding the date placed in service, testing, damage, repairs and the date taken out-of-service. Hose is taken out of service due to irreparable damage, or it has reached the department retirement guideline of 35 years of age.



CL	Cross Lay - Preconnected
HR	Hi Rise Pack
HB	Hose Bed
MU	Make Up Line
B	Blitz Line – Preconnected

## Hose Summary 2012

	1 ½"	1 ¾"	2 ½"	3"	5"
Engine 1		400 PC	1000 HB		500 HB
		200 HR	200 PC		50 MU
Engine 2		400 PC	1000 HB	500 HB	1000 HB
		100 HR			50 MU
Engine 3		400 PC	800 HB		500 HB
		100 HR	200 PC		50 MU
Engine 4	200 HR	500 PC	1000 HB		500 HB
			200 PC		50MU
Ladder 1		400 PC	750 HB		500 HB
		200 HR	200 PC		50 MU
Tanker 1	600 HB		500 HB	50	
Apparatus Total Feet	800	2,700	5,850	550	3,250
Boat	50				
Hose Tower or Storage	450	2,250	1,300	100	250
Bought New		200			
Retired	200	50	150		100
Not Accounted For		150	200		
Total Feet WFD Inventory	1,300	4,950	7,150	650	3,500

## Bureau of Fire Prevention

The Prevention office is headed by Assistant Chief Jim Multhaup. Jim works with the building officials, architects and designers to ensure that new construction meets the State Fire Code. Additionally Jim reviews all plans for fire protection systems to help ensure compliance with current codes.

## Fire Prevention Through Education



While basing our program on the importance of public relations, our primary objectives continue to emphasize the prevention of fire, public education and fire investigation. It is through these objectives that enhanced attitudes and safer properties can be produced, with the occurrence and severity of fires being greatly reduced.



## Public Education

Education continues to be an important part of the Fire Prevention program. Last year our program reached a total of 61 groups that ranged from pre-school children to adults. The fifth grade Junior Fire Inspector program included approximately 308 students. This program is conducted by firefighters with direction provided by Firefighter/Driver Mark Vieth. In addition, station tours and truck visits, including approximately 12 groups, with 521 persons. There were also approximately 250 people who attended our annual open house during Fire Prevention Week. All total, there were approximately 2258 people present. Success of the program has been realized by the safety evacuations from fire, and increased effective public use of fire extinguishers.



## Fire Investigations

A total of 11 formal cause and origin fire investigations were conducted by the bureau, with 9 being determined accidental and 2 being determined incendiary. Of these fires, 2 were extinguished by civilians prior to any structural damage.



## Inspections and Plan Review

An important concept of fire prevention is that of conducting physical inspections of properties. During 2012, there were a total of 168 inspections conducted by the bureau. As a result of the



inspections, 237 fire code deficiencies or hazards were addressed in a formal response as requiring correction. A total of 101 compliance inspections were conducted with a result of 175 deficiencies and hazards being corrected.

In both existing properties and new construction, there were 41 plans reviewed for construction projects, automatic suppression systems and fire alarm systems. As final approval, 54 acceptance tests were conducted.

Projects completed include the installation of 8,179 sprinkler heads and 1,445 fire alarm system devices.

Based upon ordinary hazard coverage, the sprinkler protection would constitute a total protected area of 1,063,270 sq. ft. or approximately 24.4 acres.

## Permits, Licenses & Certificates

Last year, the bureau issued a total of 77 permits, licenses and certificates, for the purpose of flammable liquid installations, extinguishing system installations, maintenance of portable extinguishers and extinguishing systems and burn authorizations.

## City-Owned Fire Extinguishers

As an annual requirement, part time firefighter Jake Klaver, conducted the inspections and necessary maintenance of 397 city-owned fire extinguishers. The inspections are crucial for the assurance of immediate access and proper mechanical operation. Results of the inspections include the following corrective actions:

Hydro Tested	14 Extinguishers
Six-Year Maintenance	23 Extinguishers
Recharged	17 Extinguishers
Condemned & Replaced	7 Extinguishers



## Lock Boxes

The "Lock Box" program started in 1985 with 41 lock boxes. Bringing the total to 259, there were 2 new lock boxes installed within the city. These boxes have proven themselves effective in providing undamaged building access during emergency responses.

# Bureau of Fire Prevention



<b>Regular Inspections</b>	<b>89</b>
<b>Requested Inspections</b>	<b>65</b>
<b>Re-Inspections</b>	<b>101</b>
<b>Final Inspections</b>	<b>14</b>
<b>Violations Found</b>	<b>237</b>
<b>Violations Corrected</b>	<b>175</b>
<b>Plan Reviews</b>	<b>41</b>
<b>Sprinkler Heads Installed</b>	<b>8,179</b>
<b>Alarm Devices Installed</b>	<b>1,445</b>
<b>Chemical suppression system</b>	<b>9</b>
<b>Acceptance Tests</b>	<b>54</b>
<b>Investigations</b>	<b>11</b>
<b>Written Notices</b>	<b>110</b>
<b>Complaints</b>	<b>12</b>
<b>Licenses &amp; Permits Issued</b>	<b>77</b>
<b>Classes or Seminars Attended</b>	<b>3</b>
<b>Fire Prevention Classes &amp; Demos Held</b>	<b>43</b>

## Complaints

With all being effectively resolved, 12 property complaints were reviewed and processed by the bureau.

# Public Fire Prevention and Safety Education Sessions

Date	Location	Type	Number of People
1/22/12	Explorer's Group	Extinguisher Training	7
1/26/12	Senior High Speech Class	Extinguisher Training	26
3/27/12	Boelter Industries	Extinguisher Training	12
4/12/12	D.O.C. Life Skills	General Fire Safety	8
5/9/12	Winona County Employees	Extinguisher Training	25
5/16/12	Malt Europ	Extinguisher Training	24
5/24/12	St. Mathews Pre School	West Station Tour	37
6/7/12	Young At Heart Group	General Fire Safety	58
6/11/12	Bay State Milling	Extinguisher Training	80
6/20/12	Legend Group	Central Station Tour	12
8/17/12	Winona State R.A.s	Safety & Extinguishers	68
8/21/12	County Jail Staff	Extinguisher Training	22
8/23/12	W.S.U. Security Guards	Safety & Extinguishers	28
8/28/12	County Jail Staff	Extinguisher Training	20
8/29/12	Senior High Teachers	Safety & Extinguishers	6
9/13/12	Day Care Providers	Safety & Extinguishers	12
9/14/12	Day Care Providers	Safety & Extinguishers	5
9/18/12	Winona County Staff	Extinguisher Training	29
9/20/12	Miller Felpax	Extinguisher Training	26
9/27/12	Day Care Providers	Safety & Extinguishers	6
9/28/12	Madison Kindergarten	Class Room Visit	36
10/1/12	Head Start Staff	Safety & Extinguisher	14
10/4/12	W.S.U. Theater Group	Safety & Extinguisher	18
10/8/12	St. Stans 5 <sup>th</sup> Grade	Jr. Fire Inspectors	42
10/8/12	St. Martins 5 <sup>th</sup> Grade	Jr. Fire Inspectors	16
10/8/12	Winona Middle School 5 <sup>th</sup> Grade	Jr. Fire Inspectors	52
10/9/12	St. Matthews 5 <sup>th</sup> Grade	Jr. Fire Inspectors	16
10/9/12	Winona Middle School 5 <sup>th</sup> Grade	Jr. Fire Inspectors	52
10/10/12	Winona Middle School 5 <sup>th</sup> Grade	Jr. Fire Inspectors	52
10/10/12	Winona Day Care Kids	Central Station Tour	37
10/10/12	R.T.P.	Extinguisher Training	71
10/10/12	R.T.P.	Extinguisher Training	73
10/10/12	Central Station	Open House	175
10/10/12	West Station	Open House	75
10/11/12	Winona Middle School 5 <sup>th</sup> Grade	Jr. Fire Inspectors	52
10/11/12	R.T.P.	Extinguisher Training	66
10/11/12	R.T.P.	Extinguisher Training	38
10/11/12	R.T.P.	Extinguisher Training	69
10/11/12	Winona Middle School 5 <sup>th</sup> Grade	Jr. Fire Inspectors	52
10/11/12	W-K-Kindergarten	Central Station Tour	25
10/12/12	Bluffview Montessori 5 <sup>th</sup> Grade	Jr. Fire Inspectors	26
10/12/12	W-K Kindergarten	Central Station Tour	40
10/14/12	Bluffview Montessori 5 <sup>th</sup> Grade	Jr. Fire Inspectors	26
10/15/12	East Recreation Center	Truck Visit	13
10/16/12	St. Mary's Pre School	Central Station Tour	48
10/16/12	Redeemer Pre School	Classroom Visit	8
10/17/12	St. Mary's School	3 Truck Visits	73
10/17/12	Technigraph Corp.	Extinguisher Training	26

10/17/12	Technigraph Corp.	Extinguisher Training	13
10/18/12	Technigraph Corp.	Extinguisher Training	19
11/1/12	Family & Children Staff	Extinguisher Training	14
11/8/12	Jefferson Kindergarten	West Station Tour	42
11/10/12	Senior High School Flipping Books	Truck Visit	150
12/14/12	Bluffview Montessori 5 <sup>th</sup> Grade	Jr. Fire Inspectors	26
12/17/12	St. Stans 5 <sup>th</sup> Grade	Jr. Fire Inspectors	42
12/17/12	St. Martins 5 <sup>th</sup> Grade	Jr. Fire Inspectors	16
12/17/12	Winona Middle School 5 <sup>th</sup> Grade	Jr. Fire Inspectors	52
12/18/12	St. Matthews 5 <sup>th</sup> Grade	Jr. Fire Inspectors	16
12/18/12	Winona Middle School 5 <sup>th</sup> Grade	Jr. Fire Inspectors	52
12/19/12	Winona Middle School 5 <sup>th</sup> Grade	Jr. Fire Inspectors	52
12/20/12	Winona Middle School 5 <sup>th</sup> Grade	Jr. Fire Inspectors	52
		Total	2,258

## Sprinkler Heads Installed

Date	Location	Number of Heads
1/4/12	St. Anne Extended Healthcare	3
1/13/12	Darrel Krueger Library	532
1/25/12	R.T.P.	30
3/6/12	Signatures Restaurant	142
3/8/12	Lamberton Home	12
3/12/12	National Guard Armory	152
3/13/12	Fastenal Company	32
4/20/12	Bay State Milling	500
6/13/12	Fastenal Rack Storage	1202
6/21/12	Fastenal Rack Storage	2713
7/11/12	Sugar Loaf Care Center	975
7/25/12	Tastee Bakery	21
8/2/12	Morey/Shephard Halls	469
8/2/12	Winona State Dorms	393
8/14/12	LaSalle Hall	46
8/15/12	Gotta Dance	6
8/30/12	Riverway Learning Center	32
11/1/12	Winona 7 Theatres	34
11/6/12	S.E. Technical College	216
11/7/12	Roger Bacon Center	634
11/15/12	St. Anne Extended Care	1
11/29/12	Community Bible Church	27
12/20/12	Bruski's	7
Total		8,179

## Fire Alarms Installed

Date	Location	Number of Alarms
1/18/12	103 E. 5 <sup>th</sup> Apartments	22
1/24/12	302 W. 4 <sup>th</sup> Apartments	15
2/7/12	Fairway Woods Apartments	198
3/5/12	Watlow	104
3/8/12	Lamberton Home	6
4/9/12	St. Stans School	95
4/12/12	273 Orrin Street	5
4/20/12	L.E.C.	67
4/24/12	National Guard Armory	43
5/10/12	217 W. Broadway Apartments	16
5/11/12	217 W. Broadway Apartments	7
6/21/12	Sprint	20
7/25/12	Mango's Restaurant	10
7/25/12	Home & Community Options	16
8/1/12	Fastenal	24
8/3/12	Home & Community Options	60
8/7/12	St. Mary's University Dorm	219
8/8/12	Morey/Shephard Halls	12
8/14/12	LaSalle Hall	110
8/15/12	St. Mary's University Dorm	8
8/20/12	Roger Bacon Hall	50
8/22/12	Riverport Inn	38
9/10/12	Sugar Loaf Care Center	231
9/24/12	Sugar Loaf Care Center	8
10/15/12	Verivon	10
10/31/12	264 W. Wabasha Apartments	33
11/9/12	S.E. Technical College	14
11/28/12	Roger Bacon Center	4
	Total	1,445

## Suppression Systems Installed

Date	Location	Number of Systems
3/1/13	Colorware	2
3/14/12	Signatures Restaurant	1
6/21/12	Sprint	1
9/18/12	Sugar Loaf Care Center	1
10/7/12	McDonalds East	1
11/2/12	Riverway Learning Center	1
	Total	7

## Physical Fitness by Captain Jim Pelley



Whether station duty, training or on an emergency run, firefighters need to maintain a high level of fitness. To ensure safety for our crews or those we serve, the ability to carry out our duties in a professional manner is of utmost importance. Members of the Winona Fire Department take this to heart and are involved in activities both on and off duty to maintain ourselves.

You will find us in health clubs, or participating in outdoor activities on off days, and in our fitness rooms while on duty. Department policy provides workout time in the 24 hour shift. We must meet the challenges each day offers us and keep ourselves prepared for the future events. Our health and fitness is individually important, and is needed and expected by the community we serve.

## Training



Assistant Chief Hendrickson heads our training program. Training is one of the best investments that can be made as an organization. It is a never-ending process with new technology, increasing and changing regulations and a part time program, which represents a constantly changing workforce. Constant training is the key to handling the large variety of emergency calls that we receive.



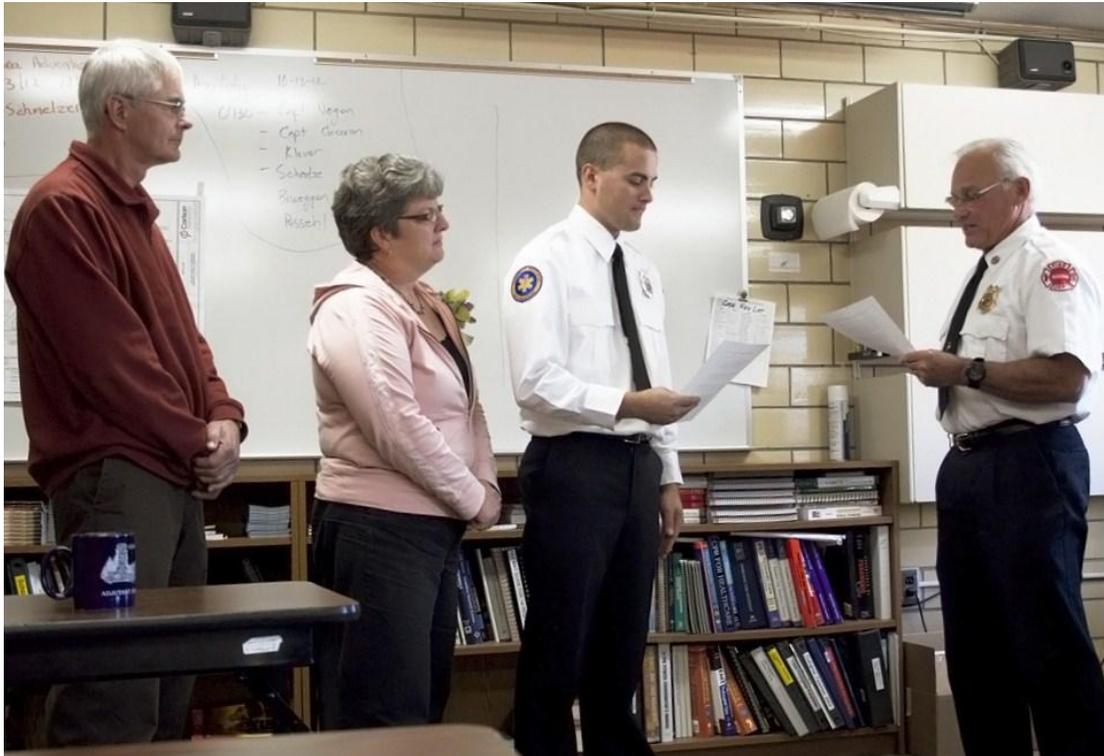
There were a total of 7,997 hours dedicated to training in 2012 plus 2,408 hours devoted to maintenance of apparatus, equipment and buildings in 2012.



## 2012 News

On October 12, 2012 Derick Ritter was sworn in as a full time Firefighter with the Winona Fire Department.

Pictured with Derick is his Father David Ritter, a retired fire captain, His Mother, Kayla Ritter and Fire Chief Ed Krall. Derick is a paramedic plus has a degree in fire science. He started in the fire service as an explorer and went on to become a part time firefighter in Winona. He successfully completed a one year probation and fire apparatus driver class prior to being sworn in.



### Certificates of Appreciation

Brothers Scott and Michael Stueve received certificates of appreciation for their quick actions in noticing the smell of fire from the neighbor's house, helping evacuate a mother, her 2 year old and infant children. Also making several trips back in to carry out 3 family dogs. Scott was chosen Fire Chief of his class in the fifth grade Junior Fire Inspectors program and also got to ride on the Winona Ladder Truck

during the Steamboat Days Parade because of his Fire Safety Attitude. Pictured is (left to right) Shawn Bartelson, Assistant Chief Jim Multhaup, Scott Stueve, Michael Stueve, Jason Theusch and Captain Duane Chadbourn.

Fire Captain Kim Bartelson's last shift at the Winona Fire Department was Monday, May 21<sup>st</sup>. Kim started with the department on February 3, 1981 and rose through the ranks to the position of Fire Captain. His mechanical expertise kept the fire apparatus running and pumping for 30 years.



He gladly shared his knowledge and trained many firefighters in the maintenance and repair of fire apparatus. Captain Bartelson was also an expert in trench rescue and trained firefighters in this rescue work. His years of experience will be missed by the department.

Firefighter/paramedic Joel Corcoran has been promoted to Fire Captain and has received much training under Captain Bartelson. Joel was responsible in getting laptops computers installed in the fire

apparatus. Plus, he updated all the "pre-plan" information to be stored in the newly installed computers. Joel also was very instrumental in the conversion of the city's radio system to the new 800 MHz state radio system.

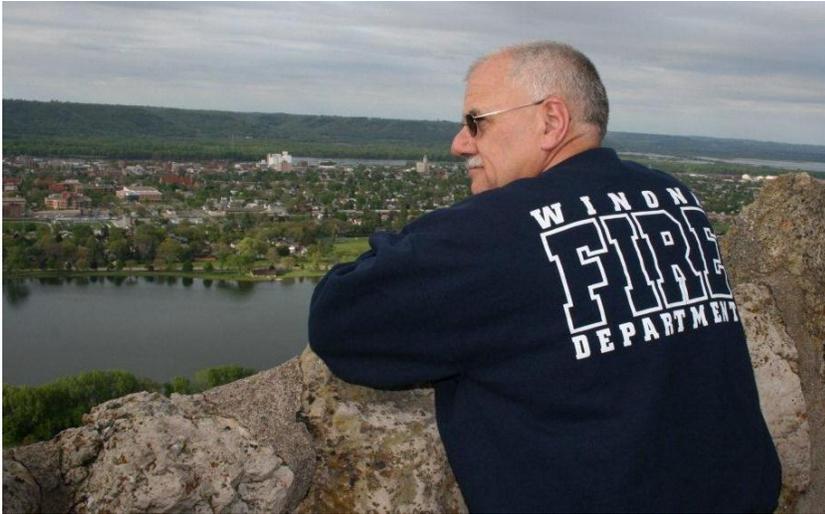
Pictured from the right of Joel is newly promoted Firefighter/Paramedic Brandon Czaplowski. Brandon was promoted from the part-time to full-time status. Brandon used to work for an organization that sold fire equipment including fire apparatus. Plus, he is a training officer for an area fire department. Brandon brings a strong background in firefighting to the Winona Fire Department.



### **Walk a Mile in Her Shoes**

Shaun Bartelson, firefighter/paramedic, along with firefighters, Jake Klaver and Andrew Lisson, participated in the event "Walk a Mile in Her Shoes". This is an event where men receive sponsors then walk a one mile loop through town in high heels. The funds received are donated to local rape crisis centers, domestic violence shelters and other sexualized violence education, prevention and remediation programs.

This is a great way to raise awareness and help a great cause all while having fun and modeling those fancy shoes!



Firefighter David Thill retired from the part-time program; his last day of service was December 31, 2012. David was a member of the Winona Fire Department for 15 years. He was a Step C, Level I firefighter, a first responder and was haz/mat aware at the time of his retirement.

Thank you David, for your years of service.



### **George Hoepfner Memorial**

Thanks to the collective efforts of the family of George Hoepfner, the International Association of Fire Fighters Local 575 and the Biesanz Stone Company, the West Fire Station Has this memorial to honor one of its veteran firefighters and his 35 years of service to the department. Also an extended gratitude to the Hoepfner Family for its generous monetary gift.