

Winona Fire Department 2011 Annual Report





WINONA FIRE DEPARTMENT

Serving Since November 1, 1889

Headquarters - 451 E. 3rd St.

Winona, MN 55987-3912

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www.cityofwinona-mn.com

2011 Fire Department Annual Report

Mayor, City Council and City Manager

The Fire Department responded to a record number of calls in 2011, 2,176. This represents a 5% increase over 2010. There were 165 "overlapping calls", a 21% increase over 2010. These are calls for assistance while the Department has not cleared a previous call. Approximately 70% of our calls are related to emergency medical services and/or rescue work.

Towards the end of 2011, the City experienced a rash of house fires. Some of these fires were determined to be intentionally set and remain under investigation.

At the end of 2011, a contract was signed to build a new rescue/pumper for the City. It will take approximately one year before this new unit is delivered. A 1985 unit will be traded in.

In 2011, the City received an ISO (Insurance Services Office) inspection. It's a pleasure to report that the City not only retained its Class 3 designation but moved closer to a Class 2 rating.

This report contains more detailed information on the activities and status of the department. The reader of this report is 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

Councilmembers:

1st Ward Allyn Thurley

2nd Ward Gerry Krage

3rd Ward Deb Salyards

4th 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 other 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.

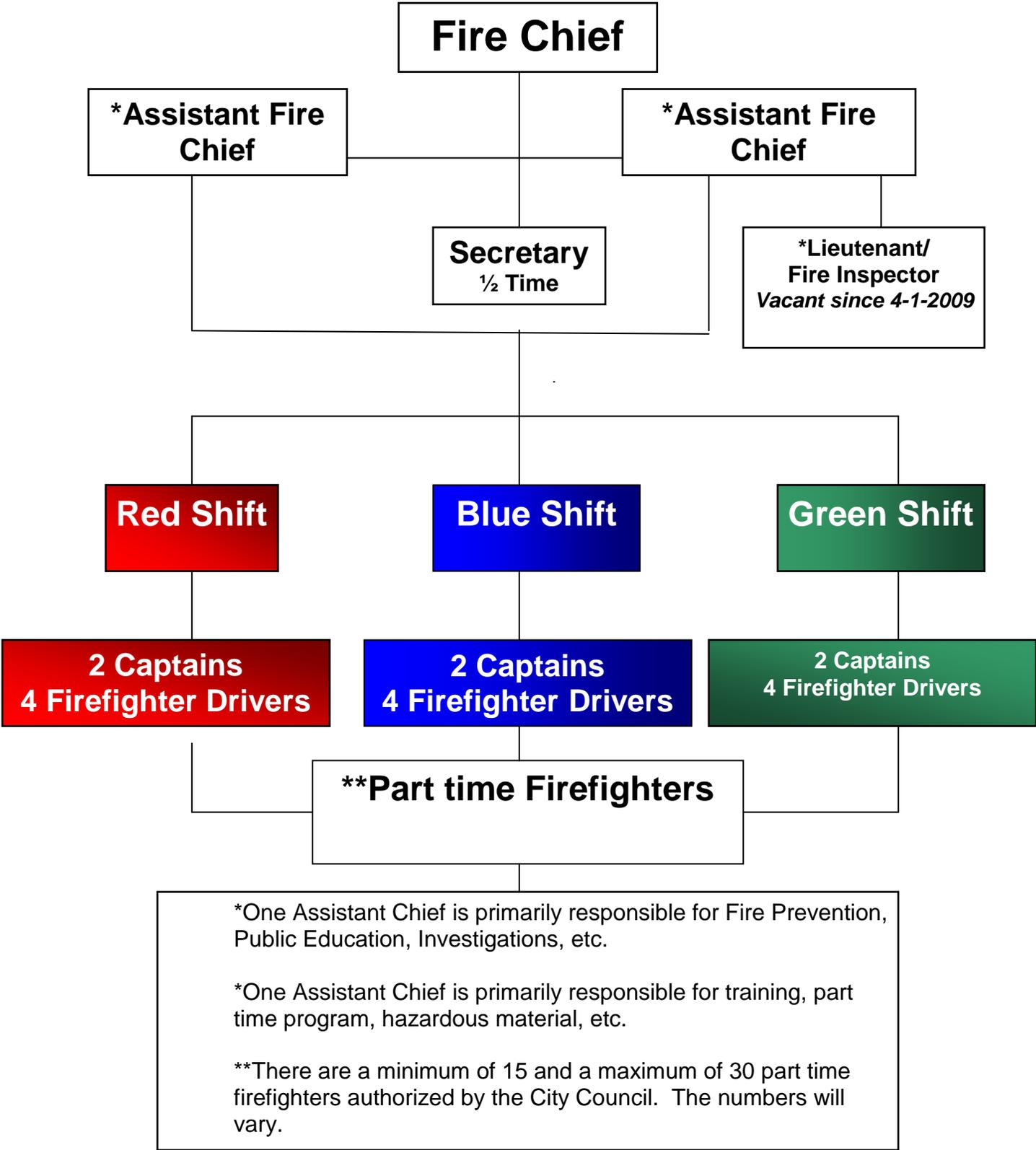
Be supportive of the Minnesota State Fire Code, and the fire protection needs of the City of Winona.

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

Table of Contents

Jurisdiction Protected	1
Organizational Chart	2
Organizational Statement.....	3
Training	3
Functions at the Workplace.....	5
Performance of Duties.....	5
Emergency Response	5
2011 Full Time Roster	6
Emergency Medical Services	7
Part Time Program.....	7
2011 Statistics.....	8
Emergency Record.....	9
Overlapping Calls.....	9
Incident Report Summary.....	10
Comparable Fire Loss	12
EMS and Fire Runs Charts	13
Fire Deaths.....	14
Mutual Aid	14
Time of Day and Response Time	14
Pages	15
Apparatus.....	16
Annual Service Testing of Fire Hose	20
Bureau of Fire Prevention	21
Fire Prevention through Education.....	21
Fire Investigations	22
Inspections and Plan Review	22
Public Education	22
Permits, Licenses & Certificates.....	22
City-Owned Fire Extinguishers.....	23
Lock Boxes.....	23
Complaints	23
Bureau of Fire Prevention	24
Public Fire Prevention and Safety Educations Sessions.....	25
Sprinkler Heads Installed	26
Fire alarms Installed.....	27
Suppression Systems Installed	27
Physical Fitness	28
Training	29
Poster Contest Winners in 2011.....	30
Thank You.....	31

Winona Fire Department



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

01/01/12

Date

Fire Chief

Organizational Chart

The organizational chart of the Winona Fire Department, as of January 1, 2011, is attached to this statement. As of that date, the department is authorized:

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

The Fire Chief and two Assistant Chiefs work a 40-hour workweek. 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 firefighter/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 a Emergency Medical Technician by the EMS Regulatory Board.

Fire Department training is divided into several general areas including; firefighting, emergency medical service, 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.

2011 Full Time Roster

40 Hour Per Week Personnel

Anniversary Date

Fire Chief, Ed Krall	11/10/72
Assistant Fire Chief Jim Multhaupt	1/8/80
Assistant Fire Chief Britt Hendrickson	3/22/88

Captains

Kim Bartelson	2/3/81
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

Firefighter/Drivers

William Heitman	8/21/79
Mark Vieth	5/23/07

Firefighter/Driver/Paramedics

Mark Allred	12/24/04
Joel Corcoran	4/19/02
Shawn Kohner	4/13/02
Jason Theusch	10/14/99
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

**Entrance Firefighter*

Secretary

Position Part Time at the Fire Department
and Part Time at the Police Department
Nancy Nelson

3/1/77

Retired

Kurt Lossen	6/23/81	6/26/2011
Dave Ritter	5/26/81	7/29/2011
Randy Lau	10/8/98	10/1/2011

Emergency Medical Services –by Captain Curt Bittle

The Winona Fire Department responded to 1,541 medical calls in 2011. This is a 14% increase from 2010. With the baby boom generation aging all projected studies suggest increases of 20% - 25% on medical calls per year for the next few decades. This will have a trickle down 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, eleven of these are paramedics. The paramedics are capable of performing more advanced life (ALS) procedures. A breakdown of ALS procedures and medications used in 2011 are as follows:

Advanced Life support (ALS) procedures in 2011

Defibrillations	3 Times
EKG Monitoring	47 times
IV Therapy	17 times
Albuterol	11 times
Epinephrine 1:10,000	0 time
Nitroglycerin	17 times
Aspirin	22 times
Dextrose: 50%	2 times
Oral Glucose	6 times
EPI Pen	1 time

Part Time Program

Part time firefighters go through the same hiring process as 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.



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 firefighter 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. Plus, they are 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. Part time personnel responded to 20 General and 1 Shift pages in 2011, and had a total of 4,100 hours of training and ride-alongs in 2011.

For 2011, the Part Time personnel averaged 59% page-in responses, and 170 hours in 2011 of training which includes Firefighter I, EMT, and Paramedic class.

*In 2011 part time personnel attended 584 hours of ride along hours. These are hours that the part time personnel requested.

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	C	I	EMT	AWARE
Casperson	Charles	C	I	FR	OPER
Cottrel	Daniel	C	I	FR	AWARE
Czaplewski	Brandon	E	II	EMT-P	AWARE
Douglas	Paul	D	II	FR	AWARE
Felix	Dustin	A			
Harris	Jeffery	C	I	FR	AWARE
Klaver	Jacob	C	I	EMT	AWARE
Knights	Chris	D	II	FR	OPER
Larson	Chad	D	II	EMT	OPER
Lisson	Andrew	C	I	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	C	I	EMT	AWARE
Stachowitz	Ross	C	I	EMT	AWARE
Thill	David	C	I	FR	OPER
Van Brunt	Bill	D	II	EMT	AWARE

2011 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



Emergency Record

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Fire & Fire Related	498	586	431	548	480	502	606	654	515	553	635
EMS/Rescue	946	941	958	1017	1209	1261	1427	1436	1463	1,517	1541
TOTAL	1444	1527	1389	1565	1689	1763	2033	2090	1978	2,070	2176

Overlapping Calls

These are calls for assistance prior to clearing the scene of a previous call. A record of these calls is:

2008	157
2009	149
2010	136
2011	165

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

Incident Report Summary 2011

	Incident Type	Count	Percent of Incidents
1	Fire		
111	Building fire	22	1.01%
113	Cooking fire, confined to container	9	0.41%
115	Incinerator overload or malfunction, fire	1	0.04%
130	Mobile property (vehicle) fire, other	1	0.04%
131	Passenger vehicle fire	9	0.41%
134	Water vehicle fire	1	0.04%
138	Off-road vehicle or heavy equipment fire	1	0.04%
142	Brush or brush-and-grass mixture fire	1	0.04%
143	Grass fire	1	0.04%
151	Outside rubbish, trash or waste fire	14	0.64%
154	Dumpster or other outside trash receptacle	5	0.22%
160	Special outside fire, other	2	0.09%
161	Outside storage fire	2	0.09%
162	Outside equipment fire	1	0.04%
	Total	70	3.21%
2	Overpressure Rupture, Explosion, Overheat (no fire)		
200	Overpressure rupture, explosion, overheat	2	.09%
	Total	2	0.09%
3	Rescue & Emergency Medical Service Incident		
300	Rescue, EMS incident, other	6	0.27%
311	Medical assist, assist EMS crew	671	30.83%
3111	Medical assist, assist EMS crew	82	3.76%
321	EMS call, excluding vehicle accident with	582	29.74%
322	Motor vehicle accident with injuries	36	1.65%
323	Motor vehicle/pedestrian accident (MV Ped)	6	0.27%
324	Motor Vehicle Accident with no injuries	25	1.14%
341	Search for person on land	1	0.04%
351	Extrication of victim(s) from	2	0.09%
352	Extrication of victim(s) from vehicle	1	0.04%
353	Removal of victim(s) from stalled elevator	16	0.073%
356	High-angle rescue	1	0.04%
361	Swimming/recreational water areas rescue	2	0.09%
365	Watercraft rescue	2	0.09%
381	Rescue or EMS standby	108	4.96%
	Total	1,541	70.81%
4	Hazardous Condition (No Fire)		
400	Hazardous condition, other	1	0.04%
411	Gasoline or other flammable liquid spill	1	0.04%
412	Gas leak (natural gas or LPG)	17	0.78%
413	Oil or other combustible liquid spill	2	0.09%
422	Chemical spill or leak	3	0.13%
424	Carbon monoxide incident	24	1.10%
440	Electrical wiring/equipment problem, other	1	0.04%
441	Heat from short circuit (wiring),	1	0.04%
443	Breakdown of light ballast	1	0.04%
444	Power line down	8	0.36%
445	Arcing, shorted electrical equipment	8	0.36%
451	Biological hazard, confirmed or suspected	1	0.04%
463	Vehicle accident, general cleanup	19	0.87%
480	Attempted burning, illegal action, other	1	0.04%
445	Total	88	4.040%

5	Service Call		
500	Service Call, other	4	0.18%
510	Person in distress, other	1	0.04%
511	Lock-out	1	0.04%
531	Smoke or odor removal	11	0.50%
5311	Smoke or odor removal-investigation only	45	2.06%
541	Animal problem	1	0.04%
550	Public service assistance, other	1	0.04%
551	Assist police or other governmental agency	7	0.32%
552	Police matter	2	0.09%
553	Public service	2	0.09%
554	Assist invalid	4	0.18%
555	Defective elevator, no occupants	1	0.04%
561	Unauthorized burning	21	0.96%
571	Cover assignment, standby, moveup	2	0.09%
	Total	103	4.73%
6	Good Intent Call		
611	Dispatched & cancelled en route	75	3.44%
621	Wrong location	1	0.04%
622	No Incident found on arrival at dispatch	50	2.29%
631	Authorized controlled burning	1	0.04%
651	Smoke scare, odor of smoke	7	0.32%
652	Steam, vapor, fog or dust thought to be	4	0.18%
661	EMS call, party transported by non-fire	5	0.22%
671	HazMat release investigation w/no HazMat	7	0.32%
	Totals	150	6.89%
7	False Alarm & False Call		
700	False alarm or false call, other	11	0.50%
710	Malicious, mischievous false call, other	4	0.18%
711	Municipal alarm system, malicious false	8	0.36%
713	Telephone, malicious false alarm	5	0.22%
714	Central station, malicious false alarm	1	0.04%
715	Local alarm system, malicious false alarm	1	0.04%
730	System malfunction, other	5	0.22%
731	Sprinkler activation due to malfunction	4	0.18%
732	Extinguishing system activation due to	1	0.04%
733	Smoke detector activation due to	39	1.79%
735	Alarm system sounded due to malfunction	40	1.83%
736	CO detector activation due to malfunction	21	0.96%
740	Unintentional transmission of alarm, other	3	0.13%
741	Sprinkler activation, no fire -	5	0.22%
742	Extinguishing system activation	2	0.09%
743	Smoke detector activation, no fire –	27	1.24%
744	Detector activation, no fire –	15	0.68%
745	Alarm system activation, no fire –	22	1.01%
746	Carbon monoxide detector activation, no CO	7	0.32%
	Totals	221	10.15%
9	Special Incident Type		
911	Citizen complaint	1	0.04%
	Total	1	0.04%
	Total Incident Count	2,176	
	Estimated Loss	\$81,000	

Comparable Fire Loss

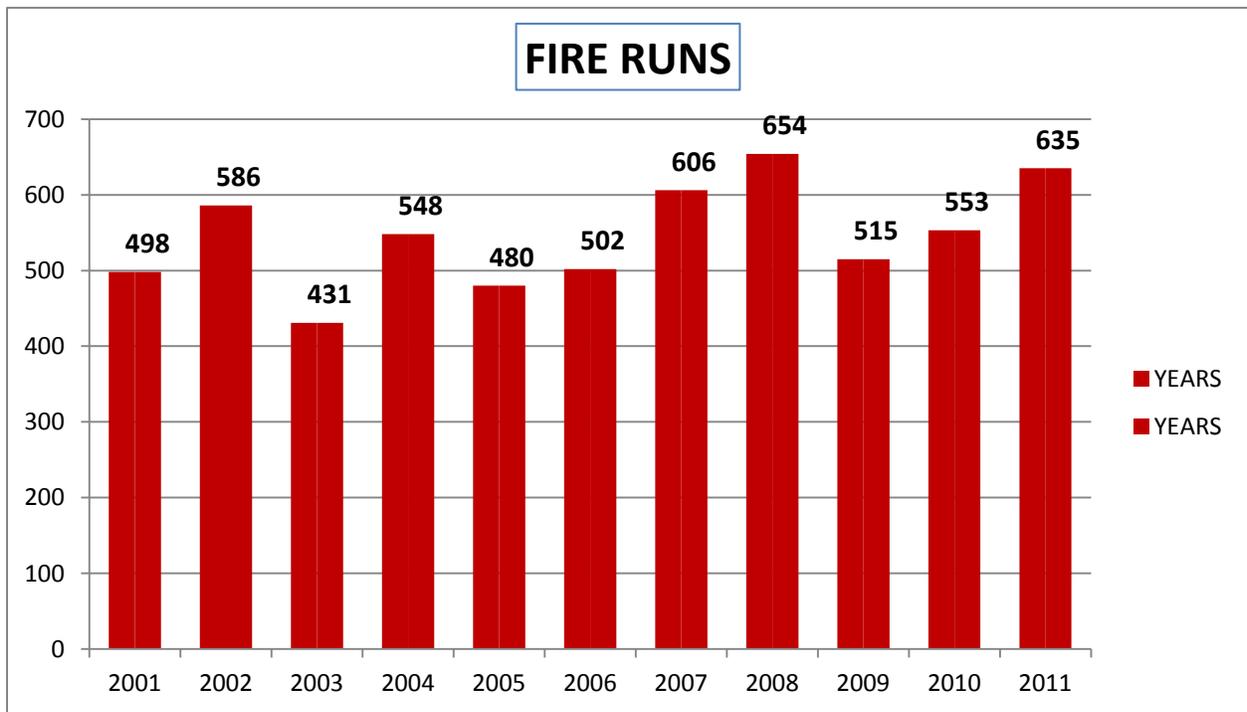
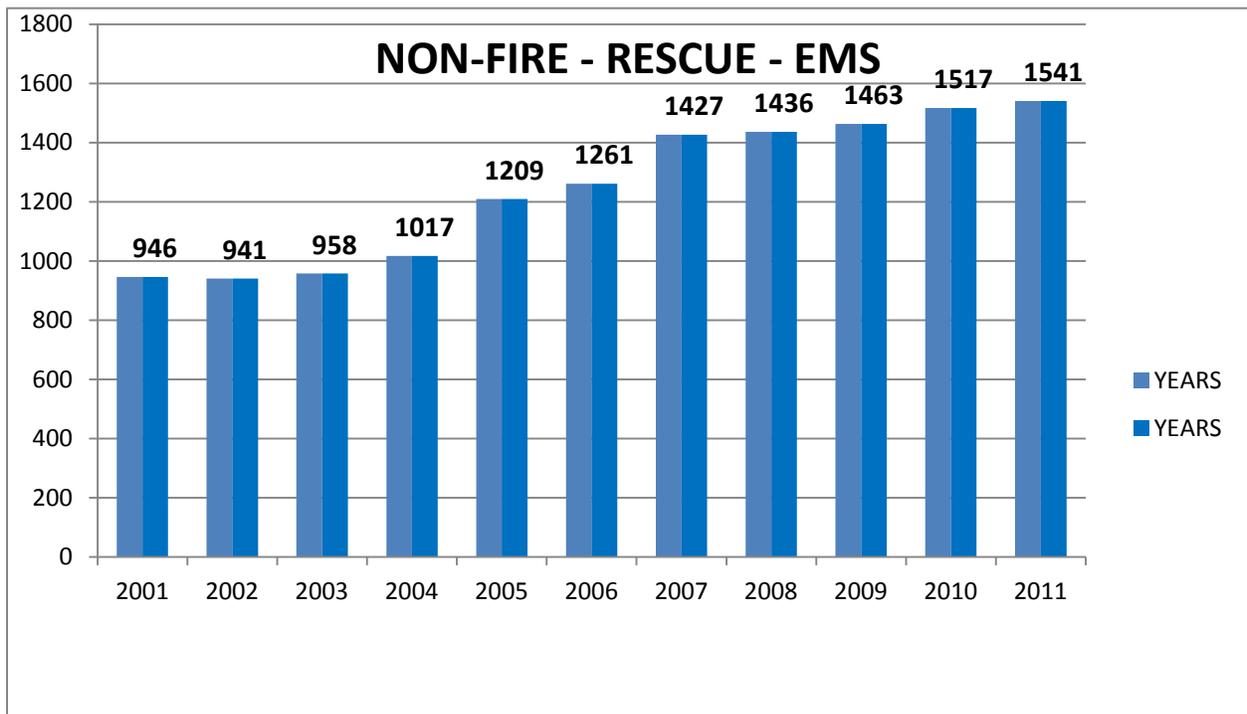


Year	Number of Alarm Calls	Fire Loss
1970	279	\$15,609
1971	268	\$798,804
1972	275	\$304,547
1973	276	\$163,950
1974	317	\$655,511
1975	316	\$122,348
1976	334	\$428,531
1977	378	\$234,993
1978	338	\$349,953
1979	350	\$71,456
1980	437	\$292,601
1981	577	\$435,775
1982	618	\$1,054,417
1983	737	\$194,350
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

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	no information is available
2003	1389	\$534,140
2004	1565	\$171,974
2005	1689	\$722,371
2006	1763	\$1,259,701
2007	2033	\$419,776.34
2008	2090	\$911,849
2009	1978	\$729,575
2010	2070	\$560,050
2011	2176	\$2,000,585



Winona Fire Department fire loss figures are based upon insurance payouts and may not be complete at this writing.



Injuries	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Civilians	4	3	1	1	0	0	0	1	2	2
Firefighters	3	9	6	5	1	2	10	5	8	11
Total Injuries	8	12	7	6	1	2	10	6	10	13

Injuries	2008	2009	2010	2011						
Civilians	2	0	0	5						
Firefighters	7	9	5	9						
Total Injuries	9	9	5	14						

Deaths	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Civilians	0	1	0	0	2	0	0	0	0	0

Deaths	2007	2008	2009	2010	2011					
Civilians	0	0	0	0	0					

Fire Deaths

There were no fire-related deaths from 2002 through 2011.

Mutual Aid

Winona Fire Department Received Mutual Aid one time. We gave Mutual Aid 2 times, once to Goodview and once to Fountain City, WI.

Time of Day and 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 2011 was 3:34 minutes.



Pages

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

There were 21 General Pages in 2011.

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



Average number of personnel responding to pages excluding chief officers: General pages (All shifts)

Within	5	minutes	2.7	personnel
Within	10	minutes	5.8	personnel
Within	15	minutes	6.9	personnel
Within	20	minutes	3.1	personnel

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



Accumulative totals of off-duty personnel responding to general page

Within	5	minutes	2.7	personnel
Within	10	minutes	8.5	personnel
Within	15	minutes	15.4	personnel
Within	20	minutes	18.5	personnel

Apparatus 2011

Towards the end of 2011 a new rescue/pumper was ordered. The 1985 pumper, Unit 234 will be traded-in on the new unit. The 1996 pumper, Unit 233, will be taken out of front line service and placed as a backup pumper at the West Station.

Also in 2011, the Department was awarded a FEMA grant to purchase an enclosed trailer. This trailer is used for trench rescue and confined space rescue equipment. This allowed the department to sell a 1985 delivery truck that was converted to haul this rescue equipment.

<p>Unit #231 2006 Pierce 1500 gpm Pumper Mileage 22,162 Function: Front Line Pumper, Central Station 1,161 Runs 2011</p>	
<p>Unit #232 Make: 1989 Pierce 1250 gpm Pumper Mileage: 61,895 Function: Backup Pumper Central Station 50 Runs 2011</p>	
<p>Unit #233 Make: 1996 Pierce 1500 gpm pumper With 50' Telesquirt Mileage 91,658 Function: Front line pumper, West Station 974 Runs 2011</p>	
<p>Unit #234 Make: 1985 Pierce 1250 gpm pumper Mileage 44,642 Functions: Back-up Pumper West Station 92 Runs 2011</p>	

Unit #236
 Make: 2003 Freightliner/Custom
 Mileage: 2,709
 Function: 2,000-gallon water tanker with
 500-gpm pump
 housed at Central Station
 3 Runs 2011



Unit #238
 Make: 1993 Pierce with 105' aerial ladder,
 1,500 gpm pump
 500 gallons of water
 Mileage 35,539
 Function: Front line aerial device, can also be used as
 pumper
 225 Runs 2011



Unit #244
 Make: 1988 Chevrolet Step Van
 Mileage: 139,881
 Function: Command Post,
 Haz/mat Equipment,
 confined space rescue equipment,
 cold water rescue, high level rescue.
 4 Runs 2011



Unit #005
 Make: 2000 Ford Excursion
 Mileage: 47,246
 Function: Reassigned from inspections to
 Assistant Chief in Charge of Training
 30 Runs 2011



Unit #222
 Make – Ford F-250
 Pickup Truck
 Mileage 3,823
 40 Runs 2011



Unit 230
Make – Ford
Mileage 1,468
Function – Light Rescue/Rehab
25 Runs 2011



Unit #1106
Make - Impala
Function- Fire Chief
Mileage: 5,535
14 Runs 2011



Unit #004
Make: 2000 Ford
Mileage: 43,536
Function: Asst. Chief
15 Runs 2011



Unit #996
Make: 1999 Ford
Mileage: 38,628
Function: Asst. Chief
3 Runs 2011



1981 16' Polar Kraft Boat
Make: 2000 35 hp Johnson motor
Function: Used for Water Rescue
6 Runs 2011



Generator Trailer
5K Generator
2 Runs 2011



2011 Enclosed Trailer
Function – Trench Rescue
and Confined Space Rescue
1 Run 2011



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 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.

Hose Summary 2011					
	1 1/2"	1 3/4"	2 1/2"	3"	5"
Engine 1		400 PC	1000 HB		500 HB
		200 HR	200 PC		50 MU
Engine 2		400 PC	1000HB	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		50 MU
Ladder 1		400 PC	750 HB		500 HB
		200 HR	200 PC		50 MU
Tanker 1	600 HC		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

CL= Cross Lay – preconnected
 HR = Hi Rise Pack
 HB = Hose Bed

MU = Make Up Line
 B = Blitz Line – preconnected

Bureau of Fire Prevention

According to the Red Cross, 80% of Americans do NOT know that home fires are the most common disaster in the United States. With heating costs rising as much as 25% this winter 42% of families polled stated that they are using alternatives to heat their homes, such as space heaters, fireplaces, or wood/coal stoves to stay warm.

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

With the retirement of Lt. Larry Strange on March 31, 2009 and this position being left vacant due to an unallotment in Local Government Aid (LGA).

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.





Fire Investigations

A total of 17 formal cause and origin fire investigations were conducted by the bureau, with 13 being determined accidental and 4 being determined incendiary. Of these fires, 1 was reported by fire alarm notification, and 2 were extinguished by automatic sprinklers.

Inspections and Plan Review

An important concept of fire prevention is that of conducting physical inspections of properties. During 2011, there were a total of 155 inspections conducted by the Bureau. As a result of the inspections, 168 fire code deficiencies or hazards were addressed in formal response as requiring correction. A total of 33 compliance inspections were conducted with a result of 168 deficiencies and hazards being corrected.



In both existing properties and new construction, there were 37 plans reviewed for construction projects, automatic suppression systems and fire alarm systems. As final approval, 81 acceptance tests were conducted.

Projects completed include the installation of 3,143 sprinkler heads and 1,896 fire alarm system devices. Based upon ordinary hazard coverage, the sprinkler protection would constitute a total protected area of 408,590 sq. ft. or approximately 9.4 acres.

Public Education

Education continues to be an important part of the Fire Prevention program. Last year, our program reached a total of 63 groups that ranged from pre-school children to adults. The fifth Grade Junior Fire Inspector program included approximately 376 students. This program is conducted by Mark Vieth, Firefighter/Driver. Preschool, kindergarten, first and second grade presentations involved approximately 176 students. In addition, station tours and truck visits, included approximately 6 groups, with 402 persons. There were also approximately 190 people who attended our annual open house during Fire Prevention Week. All total, there were approximately 2,674 people presented. Success of the program has been realized by the safety evacuations from fire, and increased effective public use of fire extinguishers.

Permits, Licenses & Certificates

Last year, the Bureau issued a total of 85 permits, licenses and certificates, for the purpose of flammable liquid installations, extinguishing system installations, maintenance of portable extinguishers and extinguishing systems and open burn authorization.

City-Owned Fire Extinguishers

As an annual requirement, Jake Klaver along with assistance from Andy Lisson, conducted the inspections and necessary maintenance of 393 city-owned fire extinguishers. The inspections are crucial for the assurance of immediate access and proper mechanical operation. Results of the inspections included the following corrective actions.

Hydro Tested	19 extinguishers
Six-Year Maintenance	57 extinguishers
Recharged	13 extinguishers
Condemned and Replaced	1 extinguisher
Obsolete by N.F.P.A. Standards and Replaced	1 extinguisher

Lock Boxes

The “Lock Box” program started in 1985 with 41 boxes. Bringing the total to 257, there were 4 new lock boxes installed within the city. The boxes have proven themselves effective in providing undamaged building access during emergency responses.

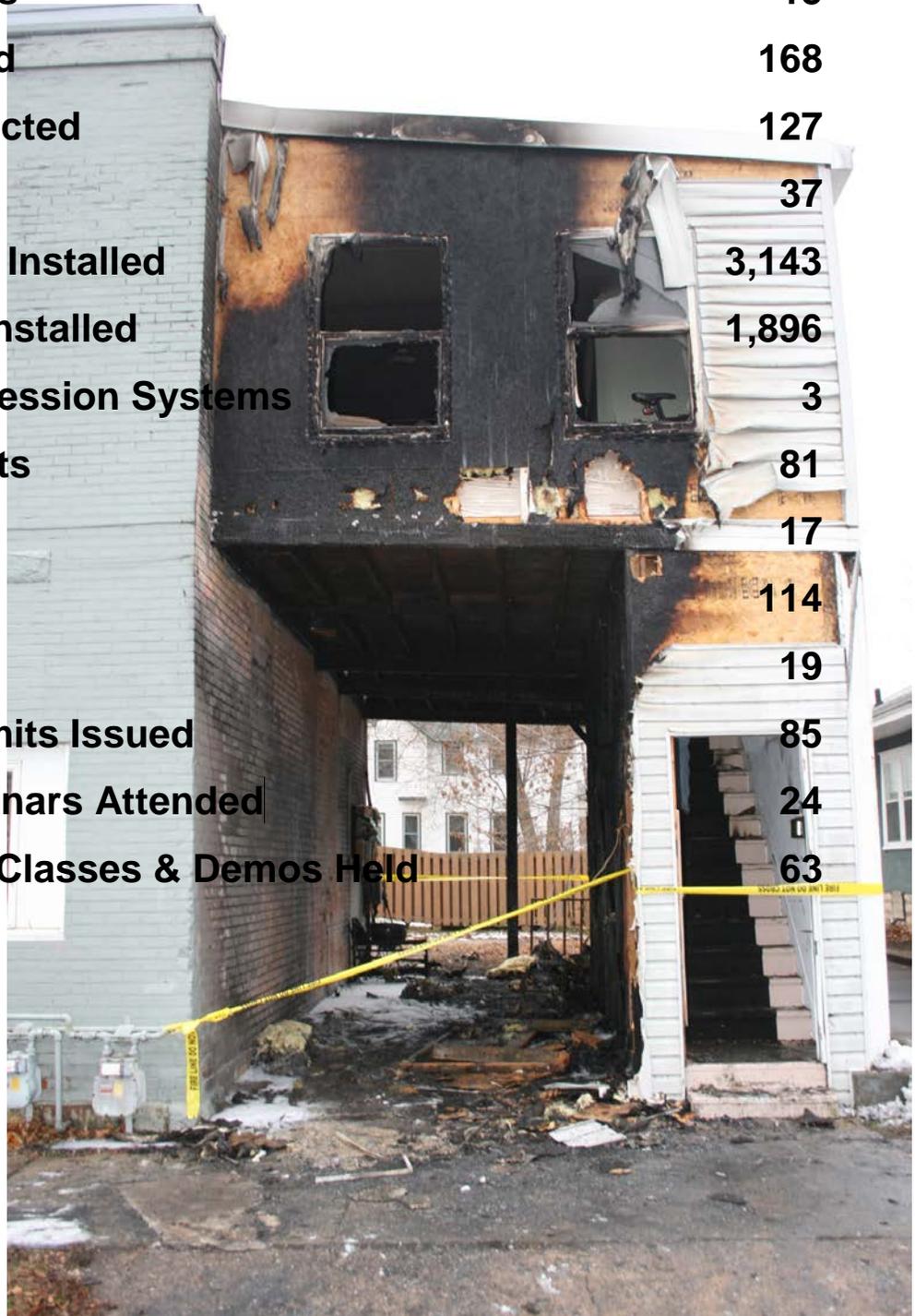
Complaints

With all being effectively resolved, 19 property complaints were reviewed and processed by the Bureau.



Bureau of Fire Prevention

Regular Inspections	57
Requested Inspections	83
Re-Inspections	33
Final Inspections	15
Violations Found	168
Violations Corrected	127
Plan Reviews	37
Sprinkler Heads Installed	3,143
Alarm Devices Installed	1,896
Chemical Suppression Systems	3
Acceptance Tests	81
Investigations	17
Written Notices	114
Complaints	19
Licenses & Permits Issued	85
Classes or Seminars Attended	24
Fire Prevention Classes & Demos Held	63



Public Fire Prevention and Safety Education Sessions

Date	Location	Type	Number of People
12/13/2010	WMS Blacklock and Pflughoeft	Junior Fire Inspectors	87
12/20/2010	WMS Beske and Prudoehl	Junior Fire Inspectors	57
01/05/2011	WMS Bittle and Lawler	Junior Fire Inspectors	57
01/07/2011	St. Stans	Junior Fire Inspectors	46
01/28/2011	ORC	Extinguisher Training	24
02/23/2011	St. Matthews	Junior Fire Inspectors	26
02/23/2011	St. Martins	Junior Fire Inspectors	21
02/28/2011	WMS Bittle and Lawlor	Junior Fire Inspectors	59
02/28/2011	WMS Blacklock and Pflughoeft	Junior Fire Inspectors	57
03/02/2011	WMS Beske and Prudoehl	Junior Fire Inspectors	57
03/02/2011	Bluffview	Junior Fire Inspectors	27
03/02/2011	WMS Frie and Stoos	Junior Fire Inspectors	57
03/04/2011	St. Stans	Junior Fire Inspectors	46
04/07/2011	Doc Living Skills Class	Fire Safety and Extinguishers	8
05/15/2011	Winona Health Kids Day	Fire Safety	250
05/25/2011	Winona County Employees	General Safety and Extinguishers	17
06/03/2011	Winona Senior High	Extinguisher Demo	18
07/21/2011	Winona County	Fire Safety and Extinguishers	22
08/09/2011	Winona State R.A.'s	Fire Safety and Extinguishers	80
08/14/2011	Harvest States	Fire Safety and Extinguishers	12
08/22/2011	Saint Mary's University R.A.'s	Fire Safety and Extinguishers	35
08/23/2011	County Highway Department	Fire Safety and Extinguishers	32
08/23/2011	County Jail Staff	Fire Safety and Extinguishers	16
10/03/2011	Jefferson 1 st Grade	Central Station Tour	70
10/03/2011	St. Matthew's Preschool	Fire Safety	18
10/04/2011	St. Matthew's Preschool	Fire Safety	17
10/04/2011	St. Matthew's 5 th Grade	Junior Fire Inspectors	23
10/06/2011	Redeemer Preschool	Fire Safety	16
10/06/2011	Saint Mary's University	Extinguisher Training	60
10/06/2011	Doc Life Skills	Fire Safety/Extinguisher Training	6
10/08/2011	K-Mart	Truck Visit	50
10/11/2011	St Stans	Junior Fire Inspectors	40
10/11/2011	WMS East	Junior Fire Inspectors	57
10/11/2011	Redeemer Lutheran	Truck Visit	15
10/11/2011	Wincraft	Extinguisher Training	14
10/11/2011	Wincraft	Extinguisher Training	9
10/12/2011	Central Station	Open House	125
10/12/2011	West Station	Open House	65
10/13/2011	St. Mary's School	Truck Visit	74
10/13/2011	Redeemer Lutheran School	Truck Visit	13
10/13/2011	Bluffview	Junior Fire Inspectors	27
10/13/2011	WMS East	Junior Fire Inspectors	59
10/16/2011	Technigraph	Fire Safety and Extinguishers	15
10/16/2011	Technigraph	Fire Safety and Extinguishers	23

10/16/2011	Technigraph	Fire Safety and Extinguishers	15
10/19/2011	TRW Safety Fair	General Safety	25
10/20/2011	Winona County Employees	Fire Safety and Extinguishers	22
10/24/2011	WMS West	Junior Fire Inspectors	153
10/24/2011	St. Marys	Junior Fire Inspectors	11
10/27/2011	WSU Theater Class	Fire Safety and Extinguishers	13
10/27/2011	Miller Felpax	Fire Safety and Extinguishers	36
10/27/2011	Habitat for Humanity	Fire Safety and Extinguishers	3
10/27/2011	Madison Kindergarten	Fire Safety	45
10/27/2011	Jefferson Kindergarten	Fire Safety	65
11/02/2011	Redeemer Preschool	Fire Safety	15
11/16/2011	County Health Fair	Fire Safety/Extinguisher Training	130
12/06/2011	St. Matthews	Junior Fire Inspectors	23
12/06/2011	St. Stans	Junior Fire Inspectors	48
12/08/2011	Bluffview	Junior Fire Inspectors	28
12/08/2011	WMS East	Junior Fire Inspectors	60
12/13/2011	WMS East	Junior Fire Inspectors	62
12/15/2011	WMS West	Junior Fire Inspectors	147
12/15/2011	St. Martin's	Junior Fire Inspectors	10
		Total	2,818

Sprinkler Heads Installed

Date	Location	Number of Heads
01/07/2011	Winona Middle School	16
01/11/2011	Knights of Columbus Apartments	96
01/26/2011	Winona Health	16
02/22/2011	Knights of Columbus Apartments	60
04/06/2011	Boelter Industries	578
04/19/2011	Family and Children Center	320
04/26/2011	Miller Felpax	7
04/26/2011	Boelter Industries	6
05/03/2011	RTP Company	16
05/31/2011	WKM Properties	4
06/01/2011	WKM Properties	3
08/15/2011	Sheehan Hall at WSU	20
08/24/2011	Saint Mary's University	6
08/24/2011	Willow Brook	1143
08/31/2011	Callista Court	470
09/21/2011	Severson Oil	10
09/28/2011	Gernes Apartments	200
12/01/2011	Plasti Comp	26
12/29/2011	Plasti Comp	95
	Total	3,092

Fire Alarms Installed

Date	Location	Number of Alarms
01/25/2011	Heritage Lodge, Saint Mary's University	16
02/01/2011	Miller Felpax	2
02/02/2011	Lake Park Lodge	22
02/02/2011	Wabasha Hall, Winona State University	5
03/04/2011	HBC	21
03/14/2011	County Annex Addition	74
03/31/2011	County Annex Addition	48
04/06/2011	Boelter Industries	1
04/14/2011	YMCA	12
04/20/2011	Downtown Book and Video	22
05/11/2011	YMCA	17
05/12/2011	Family and Children Center	4
06/10/2011	Miller Felpax	7
08/02/2011	Maria Hall, Winona State University	247
08/04/2011	Conway Hall, Wnona State University	196
08/04/2011	Richards Hall, Winona State University	271
08/18/2011	Performing Arts Center, Winona State University	307
08/31/2011	Callista Court	112
09/01/2011	Callista Court	5
09/07/2011	Performing Arts Center, Winona State University	333
09/15/2011	Willow Brook	201
09/28/2011	Gernes Apartments	200
12/06/2011	411 West Sanborn Apartments	12
12/29/2011	Winona Middle School	4
12/29/2011	Plasti Comp	9
		2148

Suppression Systems Installed

Date	Location	Number of Systems
06/10/2011	Miller Felpax	1
10/24/2011	McDonald Restaurant	1
12/06/2011	EIJarochita's Restaurant	1



Physical Fitness by 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 professional manner is of utmost importance. Members of the Winona Fire Dept. 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. Dept. policy provides workout time in the 24 hour shift. We all 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

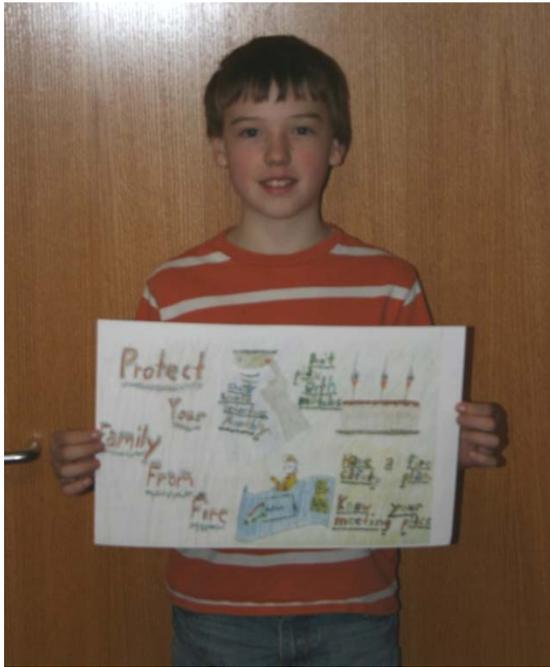
Assistant Chief Hendrickson heads our training program. Training is one of the best investments that can be made in an organization. It is a never-ending process with new technology, increasing and changing regulations and a part time program, which represents a constantly changing workforce. Constant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

There were a total of 8,477 hours dedicated to training in 2011 plus 2,397 hours devoted to maintenance of apparatus, equipment, and buildings in 2011.



City Poster Contest Winners in 2011

The Winona Fire Department congratulates all of the poster contest entrants and their teachers on their fine effort to promote fire prevention through participation. This year's winners are:



1st Place Baker Swenson

2nd Place Lauren Gosch



3rd Place Aaron Smith

He-

Thank you doesn't quite seem adequate to express my gratitude for the help you people gave me when I fell.

As an elderly widow, it's reassuring to know help is there in an emergency.

Have a merry Christmas + a Happy + safe New Year.

God's Blessings!

Norma
at Winona

Dear Winona Fire Department,

We at Saint Mary's University Office of Residence Life would like to thank you for taking time to explain the importance of fire safety with our new Resident Assistants. I think they liked the PASS training with the fire extinguishers. Thank you for all you do throughout the year.

Sincerely,
Nick Lauer and
Hall Director
The Office of
Residence Life

THANK YOU FOR YOUR PARTICIPATION

Winona Fire Department

Date—October 19, 2011

The TRW Wellness Committee would like to thank you for taking the time to participate in our Health Fair. Your participation in the event was greatly appreciated and contributed to its success.

Thank you,
TRW Wellness Committee

TRW

Body Control Systems NA