

2010

Fire in Minnesota

Annual Report



MINNESOTA DEPARTMENT OF PUBLIC SAFETY



STATE FIRE MARSHAL DIVISION
Jerry Rosendahl
State Fire Marshal





Alcohol
and Gambling
Enforcement

Bureau of Criminal
Apprehension

Driver and Vehicle
Services

Emergency
Communication
Networks

Homeland Security
and Emergency
Management

Minnesota
State Patrol

Office of
Communications

Office of
Justice Programs

Office of Pipeline
Safety

Office of
Traffic Safety

State Fire Marshal

Office of the Commissioner

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Governor Dayton:

The State Fire Marshal Division of the Minnesota Department of Public Safety is pleased to present for your review this 22nd edition of our annual report, *Fire in Minnesota 2010*. This data allows us to analyze fire causes and determine the best methods of public education and code enforcement to improve fire safety in our state.

The year 2010 was the second year in which every fire department in Minnesota was able to report data online, using software purchased by the State Fire Marshal Division in 2008. In 71 counties, 100 percent of fire departments reported 2010 data, and once again 97 percent of all fire departments reported, indicating that the online reporting system is being well received.

Here are a few highlights from *Fire in Minnesota 2010*:

- One fire was reported every 36 minutes, on average; one arson fire took place every eight hours.
- One EMS/rescue run took place every four minutes.
- Dollar loss from fire averaged \$290 per minute around-the-clock in 2010.
- Our 39 fire deaths represented an 11 percent increase from 2009 figures — and 39 fire deaths too many.
- Cooking, open flames and heating were the top three causes of fires, with arson running a close fourth, and cooking far in the lead at 49 percent.

The Department of Public Safety remains committed to fighting fire with facts and by doing so, protecting Minnesotans' lives and property. It is to that end that this report is compiled by the dedicated members of the State Fire Marshal Division.

Mona Dohman, Commissioner
Minnesota Department of Public Safety

STATE FIRE MARSHAL DIVISION MISSION STATEMENT

The mission of the State Fire Marshal Division is to protect lives and property by fostering a fire-safe environment through investigation, enforcement, regulation, data collection and public education.

From the desk of State Fire Marshal Jerry Rosendahl

Welcome to *Fire in Minnesota 2010*, our 22nd annual report, where Minnesota residents and visitors are provided with data collected from 767 of Minnesota's 789 fire departments and an analysis of the impact of fire in our state. This data identifies problems that can be addressed by fire/building code improvements and public education campaigns. It also provides a way to compare statewide data to the safety records of individual communities.



The 39 fire deaths in 2010 represent a slight increase from our record low of 35 deaths in 2009. While 39 deaths is 39 too many, the number reflects a continuing downward trend in Minnesota and nationwide. In 2010, 36 percent of those deaths occurred among persons over the age of 60. For most of the past five years, including 2010, the number of fires in Minnesota has decreased, even when the number of requests for fire department service has increased. (Calls for service include EMS responses, rescue calls and fire alarm activations.) Our goal and our efforts must be to bring about a continuing decline in the number of fires in our state.

Cooking, open flame and heating again top the list of fire causes in structures. The four leading factors in cooking fires (the number-one cause of structure fires) are unattended equipment, combustibles too close to a heat source, equipment turned on accidentally and misuse of a product or material. Each of these is the result of unsafe personal behavior that can be corrected.

This report also details the 81 times that fire sprinklers activated to save buildings. It lists the 1,050 reported arson fires by county and lists the number of runs and dollar loss of each reporting fire department. There is so much information in this report — I guarantee that you'll find something you didn't know!

My gratitude goes to the State Fire Marshal Division staff that produced *Fire in Minnesota 2010* and to the 767 fire departments that reported their data this year. The 22 departments that did not report are listed on the back page; they will receive special attention to assure their participation next year.

A handwritten signature in black ink that reads "Jerry Rosendahl". The signature is written in a cursive, flowing style.

Jerry Rosendahl
Minnesota State Fire Marshal

TABLE OF CONTENTS

TOTAL IMPACT

Minnesota Fire Clock	2
Overall State Totals	3
Structure Fires by Property Type	5
Dollar Loss by Property Type	6
Sprinkler Saves	7
Summary	9

CAUSES

Leading Fire Causes	12
Agricultural Properties	14
Area of Origin by Occupancy Class	15
Summary	20

INCENDIARY TRENDS

Incendiary Trends	22
Incendiary Structure Fires	23
Incendiary Fires by County	25
Summary	26

CASUALTIES

Feature	28
Smoke Alarm Performance	29
Civilian Deaths	30
30+ Year Fire Death History/Firefighter Deaths	34
Civilian Injuries	35
Burn Injuries Reported by Hospital Facilities	37
Firefighter Injuries	40
Fireworks Injuries and Property Loss	41
Summary	42

PARTICIPATION

Fire Department Total Participation	44
Participation by Fire Department/County	45
Runs, Dollar Loss and Deaths by County	54
Runs and Dollar Loss by City	56
Non-Reporting Departments	62



4,825

RESIDENTIAL

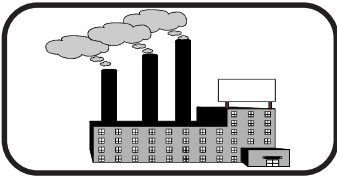
(Single family dwellings, apartments, mobile homes, hotels, motels)



503

PUBLIC AND MERCANTILE

(Stores, restaurants, institutions, churches, public facilities, education)



1,004

**INDUSTRIAL, MANUFACTURING,
AND OTHER BUILDINGS**

*(Basic industry, manufacturing, storage, residential garages,
vacant buildings, unknown)*



2,884

MOBILE PROPERTY

(Automobiles, trucks, trains, buses, boats)



5,345

OUTSIDE AND OTHER

(Dumpsters, trash, wildland, grass, trees)

14,561

TOTAL FIRES

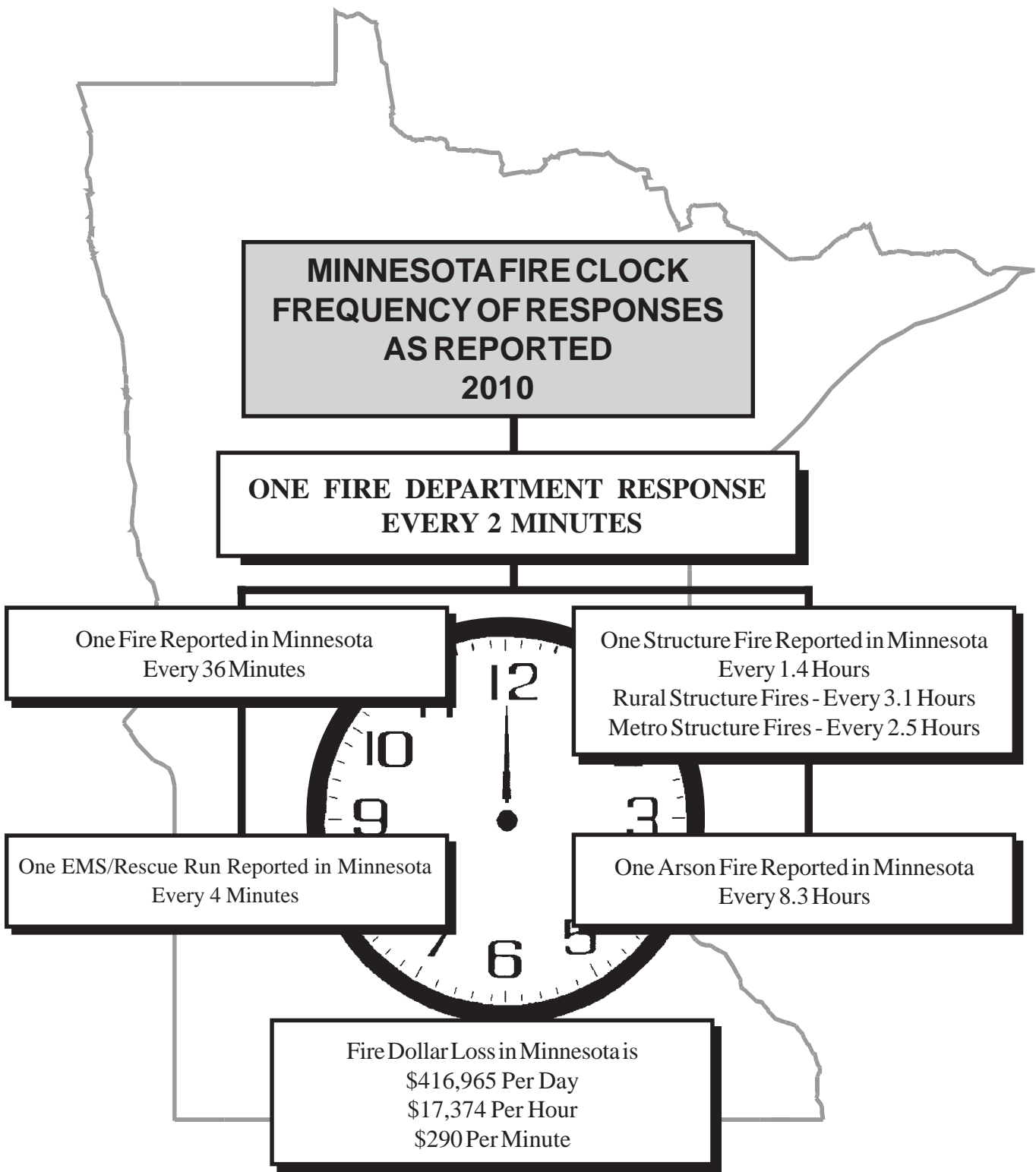
\$152,192,317

TOTAL DOLLAR LOSS

TOTAL IMPACT



Photo by Denise DeMars



These figures represent the collective incidents reported by 767 of Minnesota's 789 fire departments.

Ninety-seven percent of the state's fire departments reported through the MFIRS program.

OVERALL STATE TOTALS

In 2010, 767 of the state's 789 fire departments (97% of all Minnesota's fire departments) reported through the Minnesota Fire Incident Reporting System (MFIRS) which collects information on fire incidents and related activities. See the section titled "Participation," page 43, for a breakdown of reporting and non-reporting departments.

2010 REPORTED FIRE DEPARTMENT RESPONSES					
Incidents Reported	Seven County Metro Area	% State Total	Balance of State	% State Total	State Total
Structure Fires	3,539	56%	2,793	44%	6,332
Vehicle Fires	1,409	49%	1,475	51%	2,884
Other Fires	2,012	38%	3,333	62%	5,345
TOTAL FIRES	6,960	48%	7,601	52%	14,561
RESCUE/EMS CALLS	88,695	68%	42,103	32%	130,798
FALSE CALLS	18,460	72%	7,332	28%	25,792
MUTUAL AID GIVEN	2,134	36%	3,739	64%	5,873
OTHER INCIDENTS	35,101	67%	16,925	33%	52,026
TOTAL CALLS	151,350	66%	77,700	34%	229,050
Estimated Dollar Loss Due to Fire	\$67,636,435	44%	\$84,555,882	56%	\$152,192,317

The total number of fire incidents reported by participating Minnesota fire departments in 2010 was 14,561, which represents a 6% decrease from 2009. The number of responses by the fire service increased by 6% in 2010 to 229,050.

Total dollar loss decreased by over \$56 million from 2009.

Total dollar loss decreased by over \$56 million (27%) from 2009. The types of calls that increased in 2010 were vehicle fires, rescue/EMS calls, hazmat calls, service calls, good intent calls, false calls and other calls.

**FIVE-YEAR OVERALL INCIDENT COMPARISONS
2006-2010**

	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>09/10 Change + (-)</u>	<u>09/10 % Change + (-)</u>
FIRES							
Structure	6,953	7,316	7,106	6,580	6,332	(248)	(4%)
Vehicle	3,173	3,233	2,832	2,676	2,884	208	8%
Other Fires	<u>7,323</u>	<u>6,799</u>	<u>5,028</u>	<u>6,191</u>	<u>5,345</u>	<u>(846)</u>	<u>(14%)</u>
TOTAL FIRES	17,449	17,348	14,966	15,447	14,561	(886)	(6%)
OVERPRESSURERUPTURES	628	643	631	541	491	(50)	(9%)
RESCUE/EMS CALLS	106,785	118,260	125,238	124,511	130,798	6,287	5%
HAZARDOUS CONDITION CALLS	10,147	12,172	11,227	10,143	12,925	2,782	27%
SERVICE CALLS	11,850	12,565	13,434	13,793	14,786	993	7%
GOOD INTENT CALLS	16,977	19,653	20,225	20,793	21,872	1,079	5%
FALSE CALLS							
Malicious	1,861	1,756	1,666	1,437	1,017	(420)	(29%)
Other False	<u>23,104</u>	<u>24,730</u>	<u>23,960</u>	<u>23,077</u>	<u>24,775</u>	<u>1,698</u>	<u>7%</u>
TOTAL FALSE CALLS	24,965	26,486	25,626	24,514	25,792	1,278	(5%)
MUTUAL AID GIVEN	5,554	6,447	5,986	6,370	5,873	(497)	(8%)
ALL OTHER	885	1,381	1,198	832	1,952	1,120	135%
TOTAL CALLS	195,240	214,955	218,531	216,944	229,050	12,106	6%
TOTAL DOLLAR LOSS	\$182.0M	\$173.0M	\$216.4M	\$208.7M	\$152.2M	(\$56.5M)	(27%)

For each of the last five years, residential structure fires have occurred at the rate of one for every 1,038 Minnesotans.

STRUCTURE FIRES BY PROPERTY TYPE

Fires in structures continue to occur most frequently in residential property, including houses, apartments, boarding houses, dorms, hotels/motels, etc. In each of the last five years, an average of 5,108 fires have occurred in residential structures. These figures indicate that each year, one residential structure fire occurs for every 1,038 Minnesota residents.

Structure Fires by Property Type 2006 - 2010						
	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>% Increase (Decrease) 2009-2010</u>
Residential	4,997	5,395	5,330	4,994	4,825	(3%)
Educational/ Institutional	180	214	193	175	167	(5%)
Public Assembly/ Commercial	405	389	418	387	336	(13%)
Industrial/ Manufacturing	286	246	288	217	234	8%
Storage	779	789	670	572	554	(3%)
Special/Other	226	221	168	195	162	(17%)
Unclassified	80	62	39	40	54	35%
TOTAL	6,953	7,316	7,106	6,580	6,332	(4%)

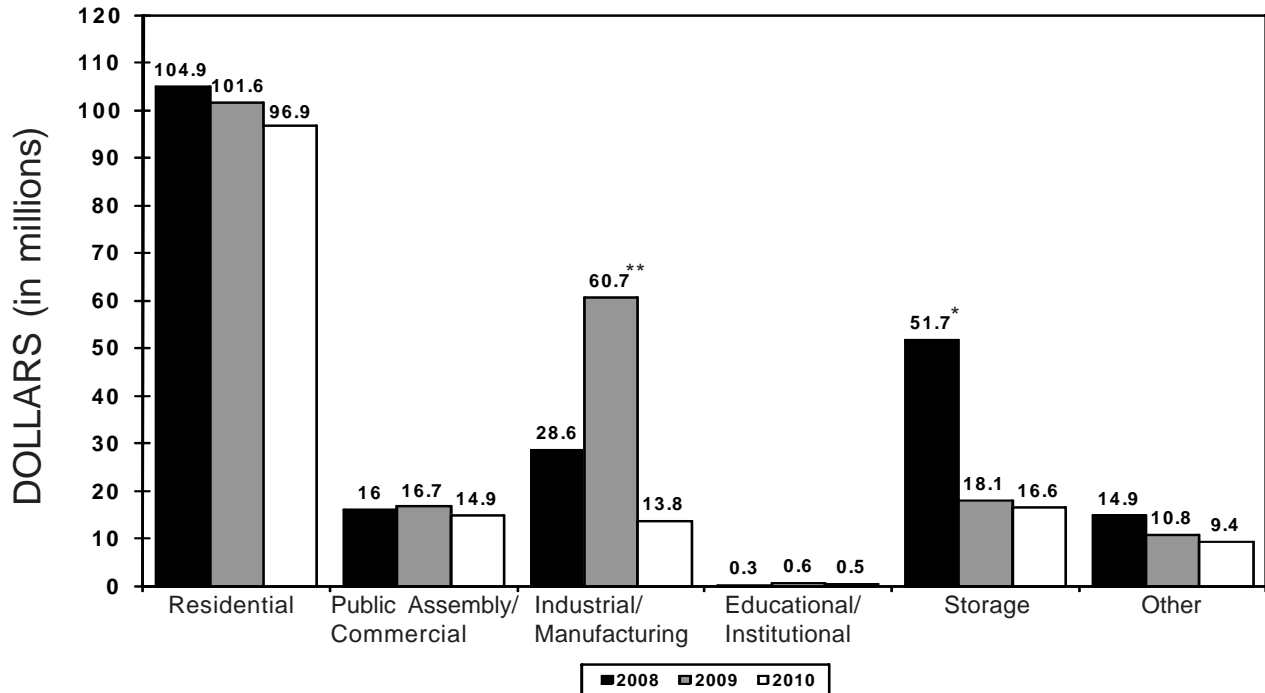
2010 RESIDENTIAL STRUCTURE FIRES

<u>Type of Residence</u>	<u>No. of Fires</u>	<u>Dollar Loss</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
One-Two Family Dwelling	2,912	\$69,192,427	78	23
Multi-Family Dwelling	1,674	\$24,160,286	42	10
Dormitory/Sorority/Fraternity	51	\$7,910	0	0
Hotel/Motel	33	\$271,160	1	0
Residential Board & Care	25	\$22,000	0	0
Boarding/Rooming House	26	\$132,310	0	0
Residential, Other	104	\$1,998,625	0	1

OVERALL STATEWIDE DOLLAR LOSS

Average dollar loss per structure fire was over \$21,000.

DOLLAR LOSS BY PROPERTY TYPE



*Includes one \$23 million storage facility fire and one \$10 million grain elevator fire

**Includes one \$45 million food processing plant fire

The 2010 dollar loss in residential property decreased by \$4.7 million from 2009 while total dollar loss decreased by 27%. Residential fires accounted for 76% of all structure fires and 64% of total dollar loss.

The average dollar loss per structure fire in 2010 was over \$21,000 per incident. The average dollar loss per residential structure fire was over \$20,000 per incident.

Residential fires accounted for 64% of total dollar loss and represented 76% of all structure fires in 2010.

SPRINKLER SAVES

In 2010, there were 81 sprinkler “saves” in Minnesota. This means that every month in Minnesota, there were six to seven fires extinguished by an automatic fire sprinkler system. These sprinkler activations saved 81 buildings from devastation by fire, minimized property loss, greatly reduced business interruption, and potentially saved lives.

Incident Date	Time	Service Name	Property Use
1/1/2010	5:16 PM	WINONA	Warehouse
1/2/2010	8:25 PM	FLOODWOOD	Manufacturing, processing
1/8/2010	8:17 PM	ST PAUL	Multifamily dwelling
1/9/2010	4:48 PM	MINNEAPOLIS	Multifamily dwelling
1/12/2010	8:00 AM	ST PAUL	Multifamily dwelling
1/27/2010	10:31 AM	ROCHESTER	Multifamily dwelling
1/29/2010	3:20 PM	FRIDLEY	Manufacturing, processing
2/4/2010	5:03 PM	PLYMOUTH	Multifamily dwelling
2/4/2010	8:45 PM	HASTINGS	Food and beverage sales, grocery store
2/12/2010	12:12 AM	MINNEAPOLIS	Adult education center, college classroom
2/20/2010	7:20 PM	MINNEAPOLIS	Multifamily dwelling
3/3/2010	8:28 PM	NEWPORT	Manufacturing, processing
3/6/2010	4:04 AM	ST PAUL	Multifamily dwelling
3/8/2010	12:16 AM	CHANHASSEN	Restaurant or cafeteria
3/15/2010	10:15 PM	SOUTH METRO	Food and beverage sales, grocery store
3/16/2010	6:48 AM	BURNSVILLE	Multifamily dwelling
3/16/2010	6:48 AM	BURNSVILLE	Multifamily dwelling
3/19/2010	3:06 AM	MINNEAPOLIS	Multifamily dwelling
3/23/2010	9:57 AM	MINNEAPOLIS	Warehouse
3/29/2010	4:39 AM	AITKIN	Manufacturing, processing
3/30/2010	3:49 PM	HASTINGS	Ind., utility, defense, agriculture, mining, other
4/9/2010	2:02 PM	WARROAD	Manufacturing, processing
4/16/2010	1:02 AM	MINNEAPOLIS	Multifamily dwelling
4/16/2010	10:40 AM	ROSEVILLE	Church, mosque, synagogue, temple, chapel
4/16/2010	5:46 PM	ST CLOUD	Jail, prison (not juvenile)
4/17/2010	3:41 PM	ST PAUL	Multifamily dwelling
4/20/2010	1:14 AM	DULUTH	Bar or nightclub
4/21/2010	5:04 PM	ST PAUL	Vehicle storage, other
4/30/2010	10:55 PM	MINNEAPOLIS	Multifamily dwelling
5/1/2010	1:19 AM	MANKATO	Multifamily dwelling
5/1/2010	2:27 AM	ST PAUL	Multifamily dwelling
5/7/2010	9:48 PM	ROSEVILLE	Multifamily dwelling
5/31/2010	12:42 AM	MINNEAPOLIS	Multifamily dwelling
6/1/2010	4:13 AM	PLYMOUTH	Multifamily dwelling
6/1/2010	10:45 AM	PLYMOUTH	Multifamily dwelling
6/1/2010	11:40 PM	RICHFIELD	General retail, other
6/8/2010	12:38 AM	CLOQUET AREA	Manufacturing, processing
6/12/2010	10:07 PM	ST PAUL	Specialty shop
6/13/2010	10:52 PM	MINNEAPOLIS	Stadium, arena
6/25/2010	7:28 PM	BROOKLYN CENTER	Manufacturing, processing
6/26/2010	1:14 AM	WARROAD	Manufacturing, processing
7/1/2010	3:22 PM	SPRING LAKE PARK/BLAINE/ MOUNDSVIEW	Church, mosque, synagogue, temple, chapel
7/3/2010	10:08 PM	SOUTH METRO	Multifamily dwelling
7/9/2010	12:56 PM	ST PAUL	Multifamily dwelling
7/23/2010	1:05 PM	MINNEAPOLIS	Multifamily dwelling
7/27/2010	7:15 PM	BURNSVILLE	Manufacturing, processing
7/27/2010	11:00 PM	BROOKLYN CENTER	Boarding/rooming house, residential hotels
7/30/2010	11:29 AM	BURNSVILLE	24-hour care nursing home
8/5/2010	11:35 PM	DULUTH	Multifamily dwelling
8/11/2010	10:37 AM	EDINA	Manufacturing, processing
8/13/2010	2:31 PM	AITKIN	Manufacturing, processing
8/25/2010	1:21 AM	ROSEVILLE	Mercantile, business, other
8/31/2010	2:13 AM	HASTINGS	Food and beverage sales, grocery store

Sprinkler Saves, Cont.

Incident Date	Time	Service Name	Property Use
9/1/2010	11:44 AM	NEW BRIGHTON	Multifamily dwelling
9/7/2010	1:13 AM	ST PAUL	1 or 2 family dwelling
9/11/2010	11:40 PM	VICTORIA	Multifamily dwelling
9/13/2010	5:33 AM	ST PAUL	Funeral parlor
9/19/2010	6:26 AM	MANKATO	Manufacturing, processing
9/21/2010	7:28 AM	BURNSVILLE	Electric-generating plant
9/22/2010	4:06 PM	BROOKLYN PARK	Multifamily dwelling
9/24/2010	10:08 PM	ANOKA-CHAMPLIN	Manufacturing, processing
9/24/2010	5:28 PM	BURNSVILLE	Multifamily dwelling
10/6/2010	10:32 PM	ELK RIVER	Manufacturing, processing
10/10/2010	8:05 PM	SOLWAY	Manufacturing, processing
10/28/2010	3:59 AM	MINNEAPOLIS	Dormitory-type residence, other
10/31/2010	10:25 PM	DULUTH	Multifamily dwelling
11/5/2010	9:52 PM	MAPLE GROVE	Motor vehicle or boat sales, services, repair
11/6/2010	9:46 PM	HOPKINS	Manufacturing, processing
11/10/2010	5:18 PM	ST PAUL	Multifamily dwelling
11/11/2010	7:20 AM	BLOOMINGTON	Restaurant or cafeteria
11/14/2010	3:15 AM	PLYMOUTH	Laboratory or science laboratory
11/17/2010	1:34 AM	MAPLE GROVE	Manufacturing, processing
11/20/2010	5:37 AM	EAGAN	Warehouse
11/23/2010	10:50 AM	MINNEAPOLIS	Multifamily dwelling
12/1/2010	8:52 PM	ST CLOUD	Laundry, dry cleaning
12/6/2010	7:27 AM	SPRING LAKE PARK/BLAINE/ MOUNDSVIEW	Manufacturing, processing
12/7/2010	4:37 AM	STILLWATER	Restaurant or cafeteria
12/12/2010	7:48 PM	ROSEVILLE	Manufacturing, processing
12/18/2010	8:21 AM	STILLWATER	Clubhouse
12/31/2010	7:21 PM	BURNSVILLE	Multifamily dwelling
12/31/2010	12:29 AM	WEST METRO	Multifamily dwelling

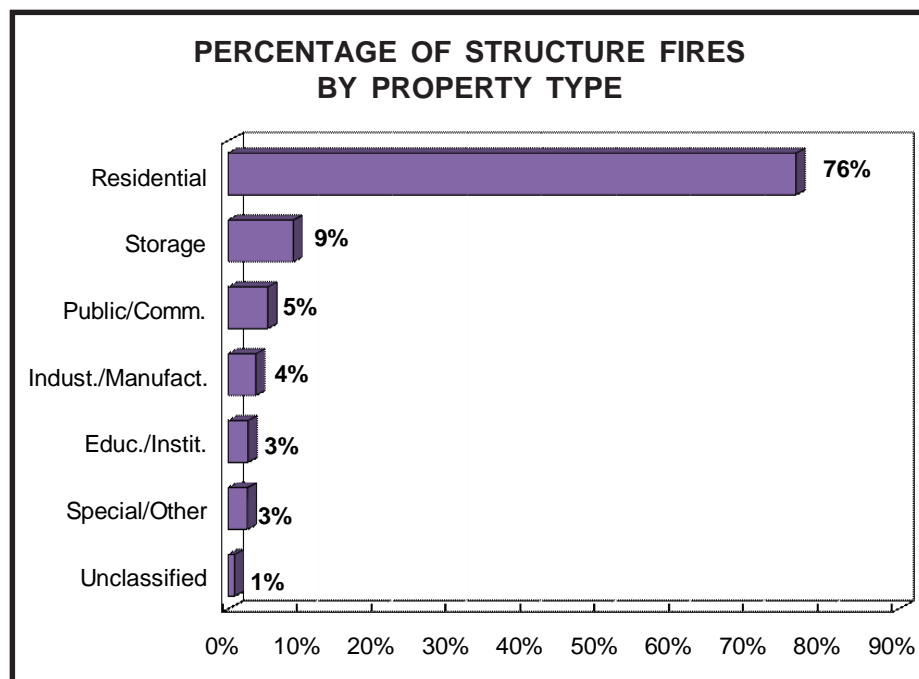
*In the past 22 years, residential dollar loss totalled over **\$1.6 billion** dollars.*

SUMMARY

A slight increase in reporting by Minnesota fire departments brought the total number reporting to 767 (97%) of 789 departments. Also, the total number of calls increased 6% from 2009. Dollar loss was over \$150 million, a \$56.5 million decrease from 2009.

Fires occurred most frequently in residential-type properties. Residential fires occurred in significantly higher percentages than fires in the next most reported property type—storage facilities.

Residential fires accounted for 76% of all structure fires, 64% of total dollar loss, and 97% of all fire deaths in structures. These statistics continue to identify the home as the most dangerous place to be.



In the last 22 years, over **\$3.4 billion** in property was destroyed by fire; 48%, or over **\$1.6 billion**, occurred in residential property.

Ninety-seven percent of fire deaths in structures occurred in residential properties.

Active participation by all citizens in public education and fire prevention is the only way to stop the loss of life and property from fire. A practical example of fire prevention programs by civic groups and fire departments is implementation of programs to distribute and maintain smoke alarms among at-risk populations. Such efforts can result in saved lives and reduced property loss. Encouraging fire sprinkler installation in homes and public buildings is another way of helping people protect themselves from the dangers of fire. The fire service community has the responsibility to lead in these areas, as well as respond.

CAUSES

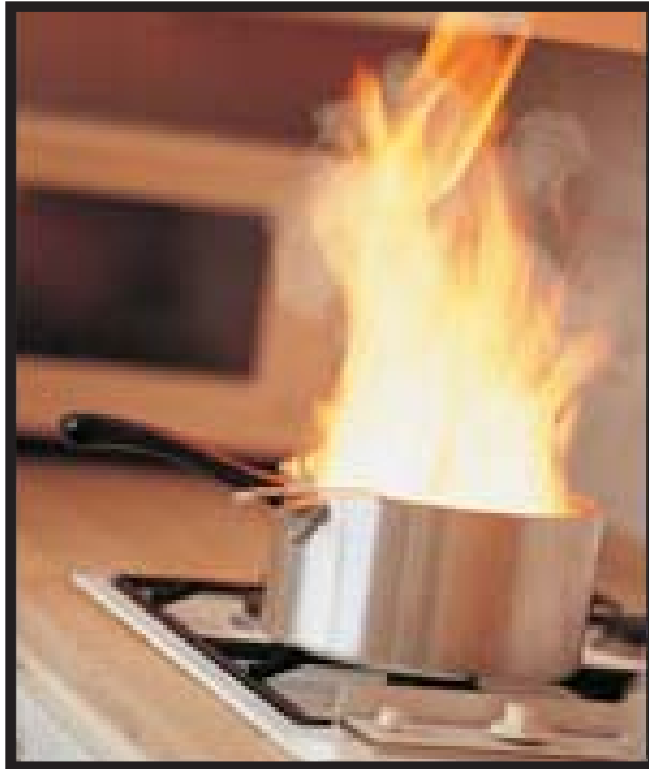
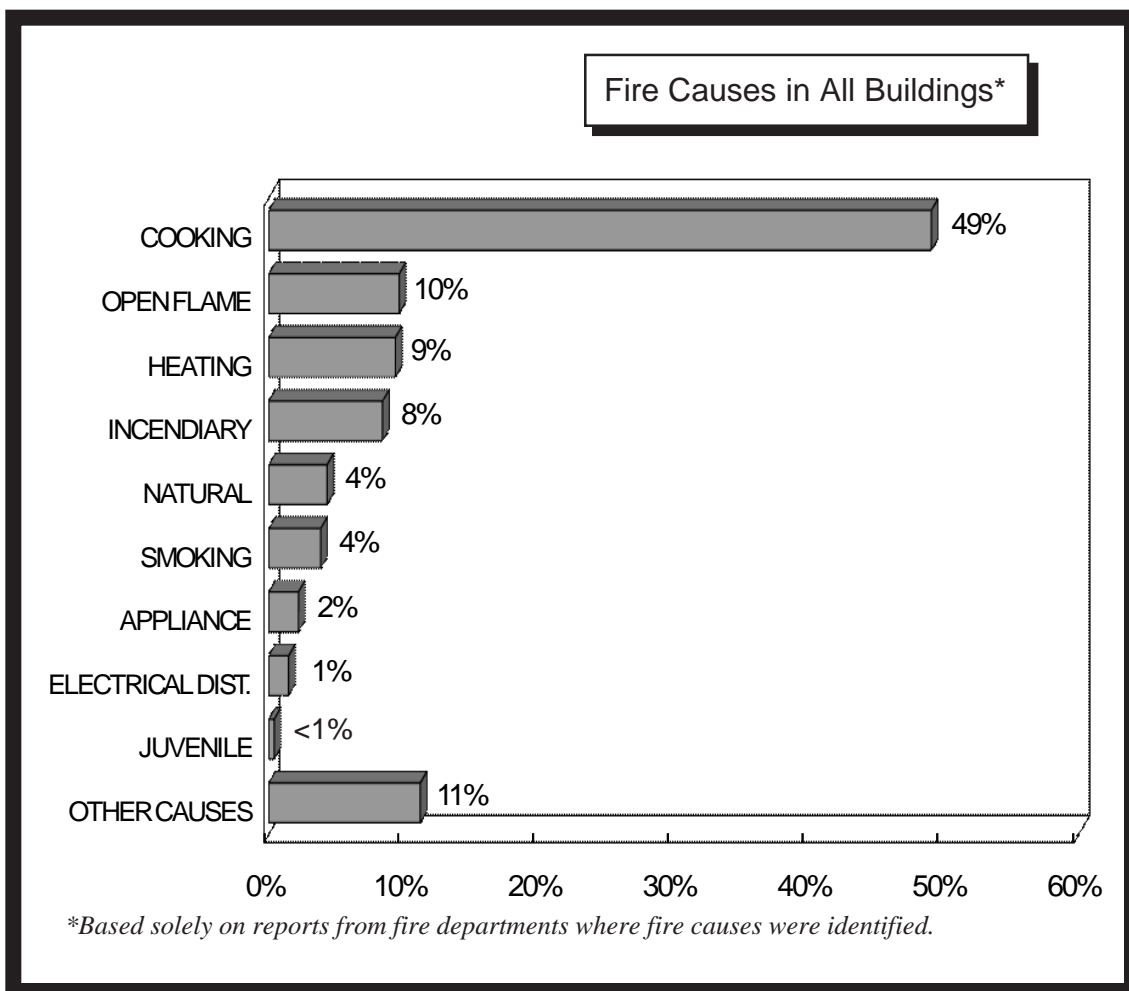


Photo by Becki White

CAUSES

Cooking continues to be the leading cause of all structure fires with known causes. Open flame and heating were the second and third leading causes.



When fire causes in all types of buildings are compared, cooking and open flame emerge as the top two causes, with heating as the third leading cause. Cooking remains the leading cause, mainly due to contained cooking fires. Open flame includes matches, candles, cigarette lighters, charcoal lighters, and flares.

Fires in residential property represented 76% of all structure fires and 64% of the total dollar loss. Sixty percent of incendiary fires occurred in residential properties, causing \$4.26 million in property loss.

Cooking was the cause in 40% of residential fires.

A Closer Look at Major Fire Causes

Contained cooking fires are fires involving the contents of a cooking vessel without fire extension beyond the vessel.

Cooking Fires

The leading cause of structure fires in 2010 was cooking. Ninety-six percent of those fires were contained cooking fires. The top four known factors of the remaining cooking fires were: unattended equipment at 30%, combustibles too close at 22%, and equipment turned on accidentally/misuse of product or material at 10%. There was one cooking-related civilian fire death and 35 civilian injuries, as well as four firefighter injuries. Dollar loss from cooking fires in 2010 totalled \$1,797,365.

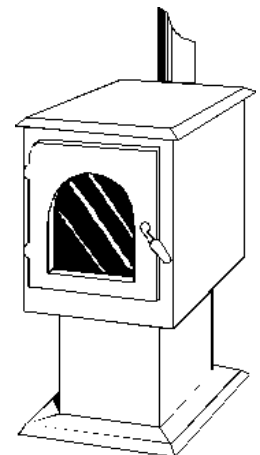
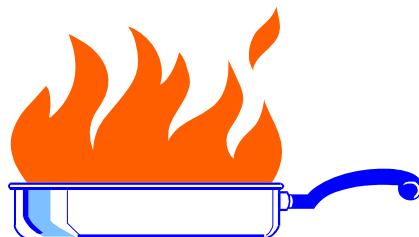
Heating Fires

The majority of 2010 heating-related fires (375) occurred in residential properties. These fires decreased 6% from last year (401 fires in 2009) and dollar loss increased by 12%.

HEATING FIRES IN RESIDENTIAL PROPERTIES ONLY

<u>Equipment</u>	<u>No. of Fire Incidents</u>	<u>% of Total</u>	<u>Dollar Loss</u>	<u>% of Total</u>
Fireplace/Chimney	254	68%	\$1,254,640	36%
Central Heating Units	71	19%	95,500	3%
Fixed Heating Units	24	6%	636,850	18%
Portable Heaters	14	4%	341,130	10%
Water Heaters	3	1%	843,250	24%
Other	9	2%	320,150	9%
Total	375	100%	\$3,491,520	100%

Sixty-eight percent of all heating fires in residential properties occurred in the fireplace/chimney area.

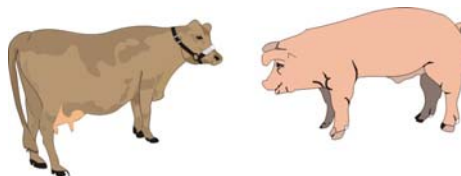


AGRICULTURAL PROPERTIES

Dollar loss in agricultural properties totalled almost \$5.7 million.

Agricultural properties are defined as those structures or open pieces of land on which the production of raw agricultural products and farming occurs. Agricultural production and storage properties do not include processing facilities. The NFIRS 5 reporting system has combined certain agricultural categories.

AGRICULTURAL PRODUCTION AND STORAGE		
<u>Type of Facility</u>	<u>No. of Incidents</u>	<u>Dollar Loss</u>
Livestock Production	72	\$ 1,427,300
Crop/Orchards	144	1,189,000
Grain Elevators/Silos	27	2,845,100
Livestock Storage	27	223,000
TOTAL	270	\$5,684,400



One grain elevator/silo fire resulted in a dollar loss of \$2 million.

The total *reported* dollar loss for fires in agricultural properties greatly decreased to \$5.7 million, which is 33% less than 2009. The largest dollar loss was \$2 million in a grain elevator/silo. There were at least 14 agricultural fires that resulted in total loss or extreme damage and yet a dollar loss of \$0 was reported in each case. The dollar loss for agricultural fires needs to be accurately reported.

Areas of Origin by Occupancy Class

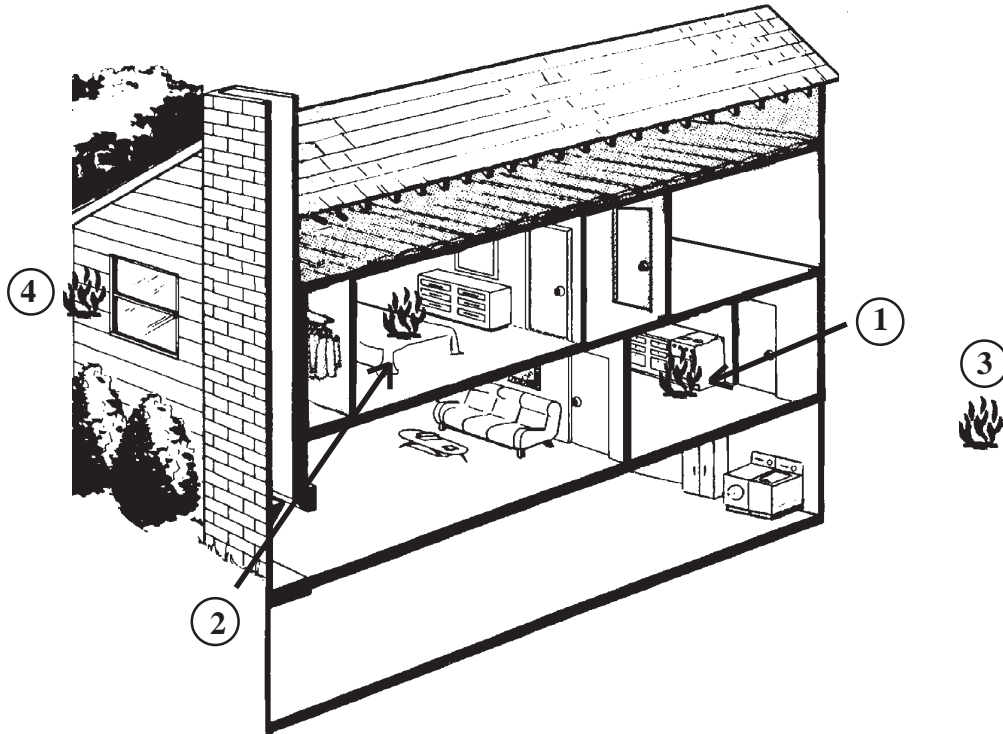
The following pages contain:

- Additional information on most common areas of fire origin
- Data on each type of structure (to the extent reported)
- Illustrations showing types of rooms in which most fires originated

Statistically, the kitchen was the area most likely involved in residential fires. Kitchen fires had a variety of causes.

RESIDENTIAL PROPERTY

(Single Family Dwellings, Apartments, Hotels)



AREA OF FIRE ORIGIN

- 1. Kitchen/Cooking Area 47%
- 2. Sleeping Area 5%
- 3. Garage/Carport 4%
- 4. Exterior Wall Surface 3%

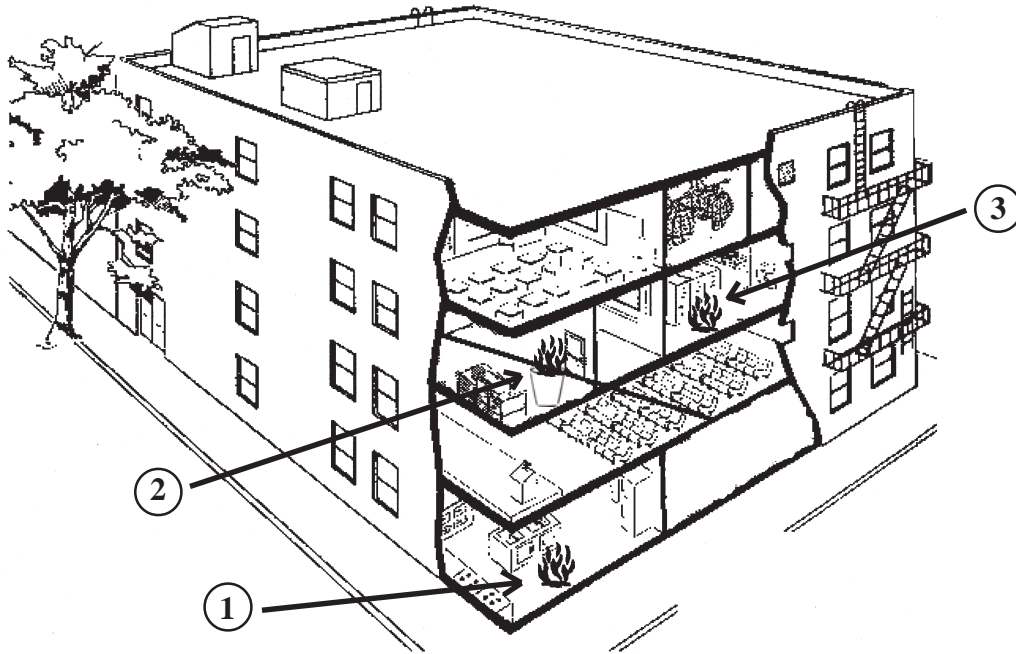
Other Areas of Fire Origin 41%

	No. of Incidents	Firefighter Injuries	Civilian Injuries	Firefighter Deaths	Civilian Deaths	Dollar Loss
	4,825	181	121	--	34	\$96,926,250
% of Total	76%*	69%	88%	--	87%*	64%

*Percent of structure fires

EDUCATIONAL PROPERTY

(Colleges, Universities, Public/Private Schools)



AREA OF FIRE ORIGIN

- 1. Kitchen/Cooking Area..... 48%
- 2. Trash Chute/Container 12%
- 3. Lavatory/Locker Room..... 11%

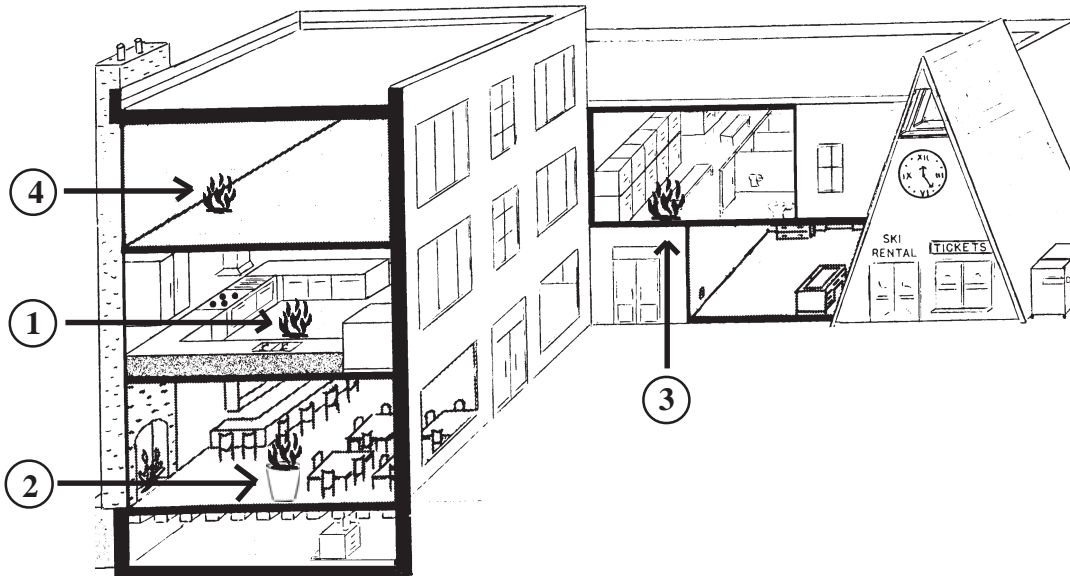
Other Areas of Fire Origin 29%

	No. of Incidents	Firefighter Injuries	Civilian Injuries	Firefighter Deaths	Civilian Deaths	Dollar Loss
	66	--	--	--	--	\$237,571
% of Total	1%*	--	--	--	--	<1%

*Percent of structure fires

PUBLIC ASSEMBLY PROPERTY

(Restaurants, Arenas, Churches, Theaters)



AREA OF FIRE ORIGIN

- 1. Kitchen/Cooking Area..... 35%
- 2. Trash Chute/Container Area 12%
- 3. Lavatory/Locker Room..... 6%
- 4. Attic, Vacant; Crawl Space..... 5%

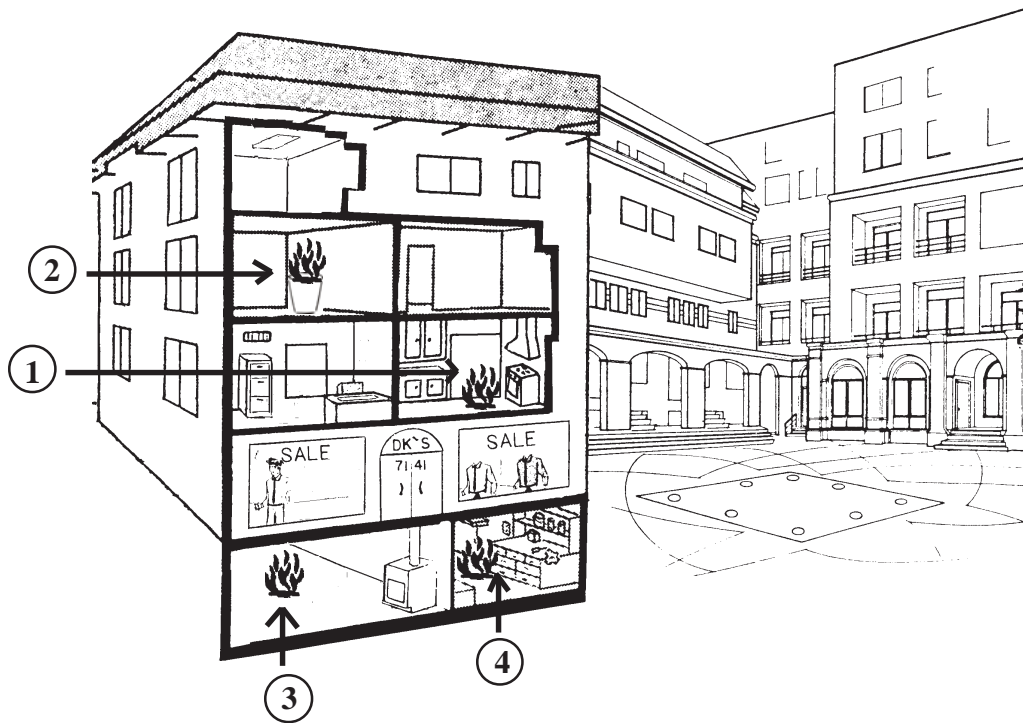
Other Areas of Fire Origin 42%

	No. of Incidents	Firefighter Injuries	Civilian Injuries	Firefighter Deaths	Civilian Deaths	Dollar Loss
	165	13	1	--	--	\$5,721,441
% of Total	3%*	5%	1%	--	--	4%

*Percent of structure fires

STORE AND OFFICE PROPERTY

(Retail Shopping, Business Offices, Service Stations)



AREA OF FIRE ORIGIN

- 1. Kitchen/Cooking Area..... 18%
- 2. Trash Chute/Container 6%
- 3. Maintenance Shop/Area 5%
- 4. Laundry Room Area 4%

Other Areas of Fire Origin 67%

	No. of Incidents	Firefighter Injuries	Civilian Injuries	Firefighter Deaths	Civilian Deaths	Dollar Loss
	171	21	2	--	--	\$9,167,428
% of Total	3%*	8%	1%	--	--	6%

*Percent of structure fires

FIRE PREVENTION WEEK

Since 1925, the week containing October 9 has been designated Fire Prevention Week in the United States, in memory of the Great Chicago Fire of October 9, 1871.

Every year for the past 85 years, the National Fire Protection Association (NFPA) has sent a special fire prevention message to the people of the United States during Fire Prevention Week. The fire service is encouraged to implement the year's safety theme in communities across the nation. Historically, NFPA makes promotional materials available to fire departments to use in this effort.

Since 76% of all Minnesota structure fires and 97% of fire deaths in structures occurred in residential settings in 2010, the NFPA Fire Prevention Week theme was especially appropriate. The slogan, "Smoke Alarms - A Sound You Can Live With" was clearly aimed at fire-safe habits and behaviors in the home. During the week of October 9-15, 2010, the public was encouraged to properly maintain smoke alarms, to test them monthly, replace them as scheduled, and to conduct exit drills in the home. Fire deaths in Minnesota have declined by 41% since the 1970s. The widespread use of smoke alarms has played a major part in this decline.

The State Fire Marshal urges fire service personnel to introduce and lead fire prevention efforts in their own communities. Further information about this annual prevention campaign can be found on the NFPA web site at: www.nfpa.org

SUMMARY

In the year 2010, cooking fires again caused the largest percentage of structure fires (49%), with open flame and heating as the second and third leading causes.

Cooking, heating, and open flame together accounted for 68% of total structure fires. Fires in residential spaces represent 76% of all structure fires and 97% of fire deaths in structures. Eighty-eight percent of civilian injuries occurred in residential fires.

While careless smoking accounts for only 4% of structure fires, it nevertheless caused 18% of all fire fatalities and 21% of residential fire deaths.

In 2010, MFIRS data reported 11% of all structure fire causes as "unknown/other causes." Fire departments are strongly encouraged to provide the maximum available information on their MFIRS reports. Lack of information increases the number of incidents with "unknown/other" listed as cause. In order to focus our fire prevention efforts where the greatest need exists, complete reporting of causes/ignition factors in the MFIRS program is absolutely essential.

Minnesotans continue to be in the greatest danger from fire in their own homes. Fire prevention efforts in the areas of cooking and heating must continue to be a top priority for the fire service community.

In order to focus our fire prevention efforts where the greatest need exists, complete reporting of causes/ignition factors in the MFIRS program is absolutely essential.

INCENDIARY TRENDS

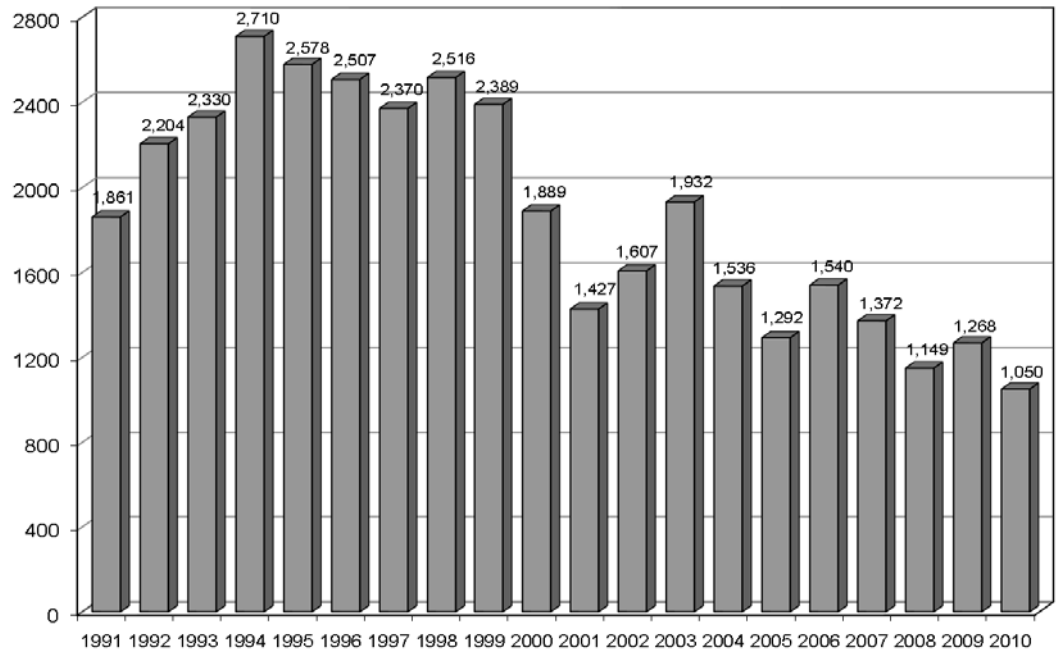


Photo by Casey Stotts

INCENDIARY TRENDS

In 2010, the number of identified incendiary fires decreased by 17%.

INCENDIARY FIRES IN MINNESOTA

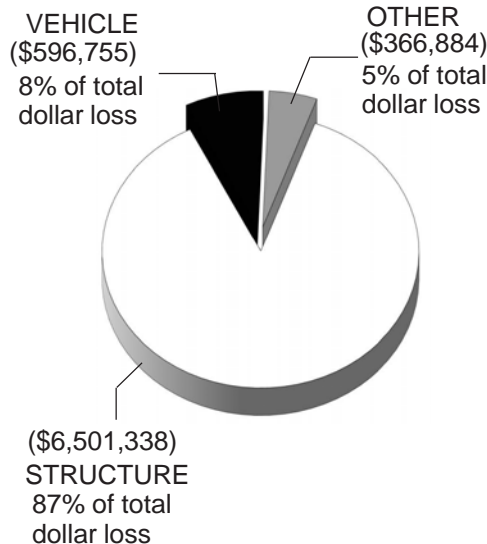


There were 1,050 identified incendiary fires in 2010, a 17% decrease from 2009. The value of property destroyed was estimated at over \$7 million, which is a 16% increase from last year. Both numbers are considerably lower than those in the 1990s.

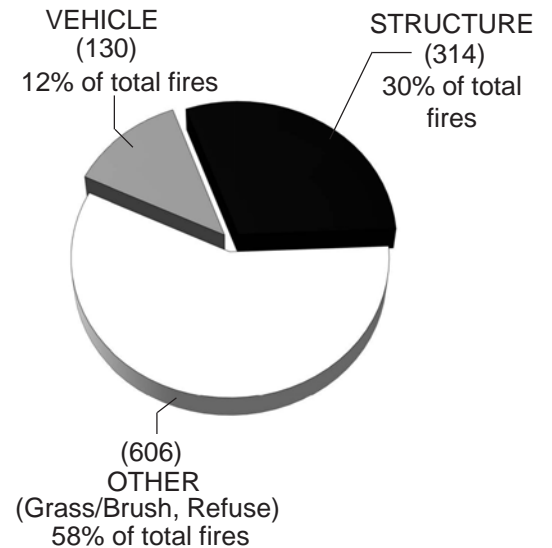
INCENDIARY FIRES BY DOLLAR LOSS AND TYPE

Incendiary dollar loss increased by 16% from 2009.

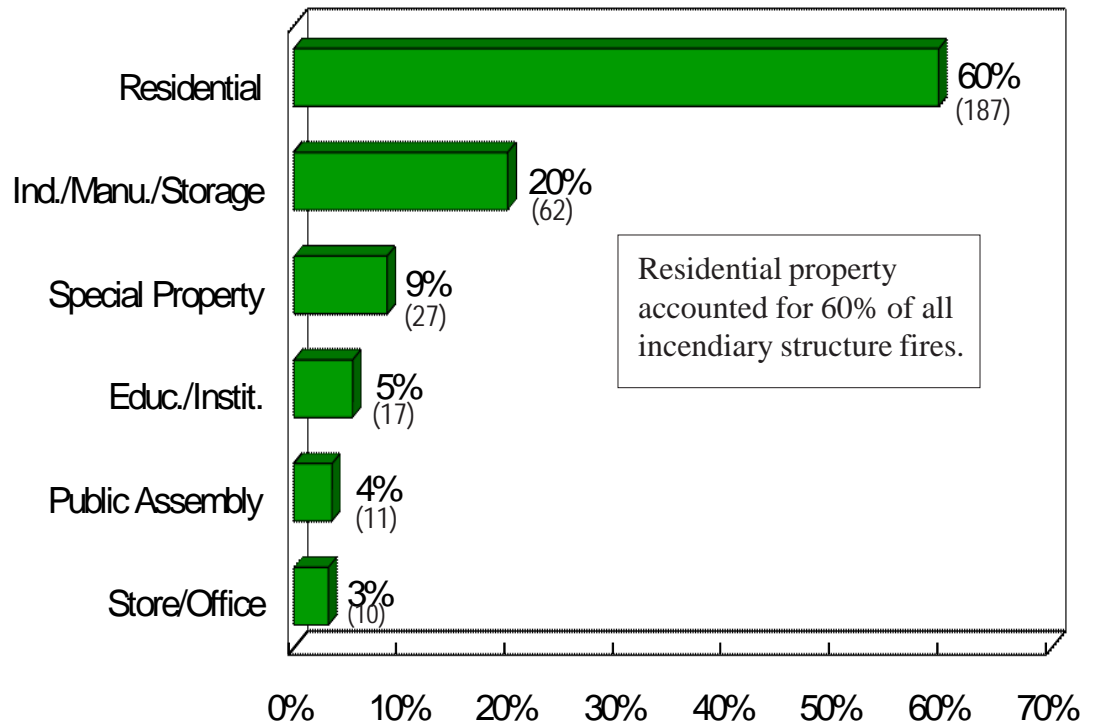
DOLLAR LOSS



TYPE OF FIRES



Incendiary Fire Incidents By Structure Type

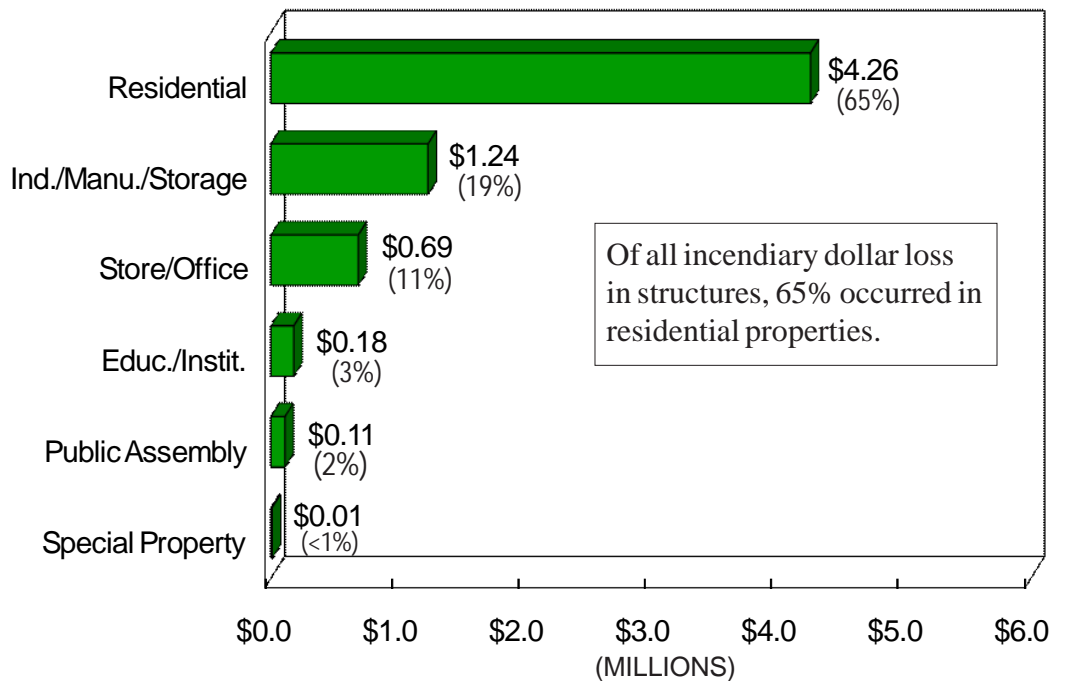


More than half of all incendiary fires reported in 2010 (60%) occurred in residential properties. Dollar loss in those properties totalled nearly \$4.3 million, or 65% of total incendiary dollar loss in structures.

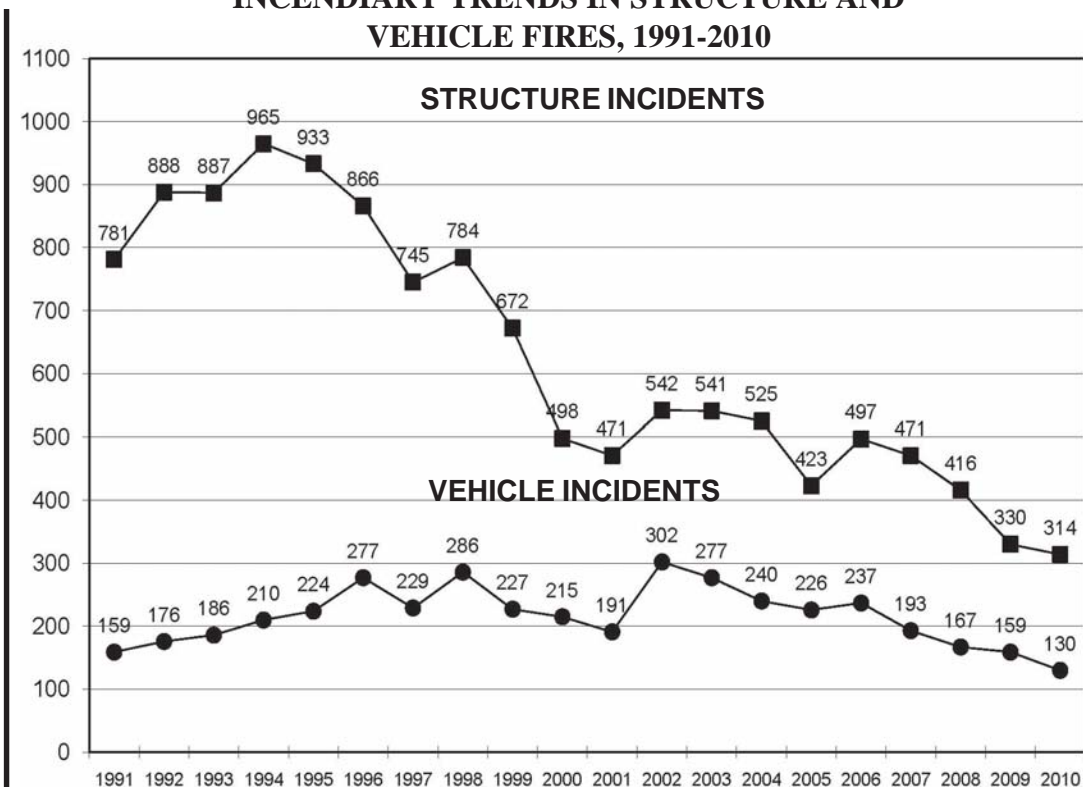
Incendiary Fire Dollar Loss (In Millions)

	Structure	Vehicle
1992	\$16.3	\$.5
1993	\$20.6	\$.8
1994	\$42.2	\$.8
1995	\$16.9	\$.9
1996	\$20.5	\$1.3
1997	\$13.8	\$.9
1998	\$11.1	\$1.3
1999	\$15.3	\$1.3
2000	\$8.1	\$1.1
2001	\$8.1	\$1.1
2002	\$12.9	\$1.4
2003	\$8.5	\$1.2
2004	\$10.2	\$1.0
2005	\$8.7	\$.8
2006	\$13.4	\$1.0
2007	\$13.5	\$1.1
2008	\$7.0	\$1.1
2009	\$5.3	\$.9
2010	\$6.5	\$.6

Incendiary Fire Dollar Loss By Structure Type



INCENDIARY TRENDS IN STRUCTURE AND VEHICLE FIRES, 1991-2010



In 2010, incendiary was listed as the cause of 8% of all reported structure fires with known causes and 5% of all reported vehicle fires in Minnesota. Vehicle incendiary dollar loss represented 4% of total vehicle fire dollar loss, with an average dollar loss per incendiary vehicle fire of \$4,590. Fire investigators agree that incendiary vehicle fires are under-reported and may not receive as much attention as structure fires receive.

RESIDENTIAL STRUCTURE INCENDIARY FIRES

Property Type	2009		2010		% of Total Dollar Loss
	Incidents	Dollar Loss	Incidents	Dollar Loss	
One- or Two-Family Dwelling	123	\$2.1M	137	\$3.54M	83%
Apartment/Tenement/Flat	46	\$0.4M	41	\$0.64M	15%
Barracks/Dormitory	2	<\$.001M	3	<\$0.001M	<1%
Boarding/Rooming House	0	\$0M	1	<\$0.001M	<1%
Other Residential Occupancy	6	\$0.072M	5	\$0.08M	2%
TOTAL	177	\$2.6M	187	\$4.26M	100%

Residential structures are at greatest risk from fire. These same structures are also at greatest risk from incendiary fires. The 187 residential incendiary incidents reported in 2010 accounted for 4% of all reported residential fires and 4% of the dollar loss for this property type.

INCENDIARY FIRE INCIDENTS AND DOLLAR LOSS BY COUNTY*

In some instances, the protection district of the reporting fire department goes beyond its county boundary, but the incident is recorded within the department's home county. Per capita data is calculated at a rate of incendiary fires per 100,000 people.

<u>County</u>	<u>Incendiary Incidents</u>	<u>Incend. Fires/ 100,000 Pop.</u>	<u>Incendiary Dollar Loss</u>	<u>County</u>	<u>Incendiary Incidents</u>	<u>Incend. Fires/ 100,000 Pop.</u>	<u>Incendiary Dollar Loss</u>
Aitkin	1	7	\$0	Marshall	10	98	\$60,000
Anoka	58	19	\$206,997	Martin	2	9	\$76,500
Becker	34	113	\$30,000	Meeker	3	13	\$10,500
Beltrami	6	15	\$32,500	Mille Lacs	7	31	\$63,000
Benton	20	58	\$1,000	Morrison	11	35	\$35,000
Big Stone	1	17	\$0	Mower	5	13	\$0
Blue Earth	11	20	\$36,550	Murray	0	0	\$0
Brown	2	7	\$5,800	Nicollet	6	20	\$15,000
Carlton	9	28	\$150,000	Nobles	2	10	\$5,200
Carver	6	9	\$5	Norman	1	13	\$0
Cass	17	63	\$2,750	Olmsted	25	20	\$160,896
Chippewa	2	15	\$0	Otter Tail	18	31	\$0
Chisago	4	10	\$0	Pennington	17	125	\$2,000
Clay	9	18	\$131,829	Pine	6	23	\$92,000
Clearwater	10	119	\$0	Pipestone	1	10	\$0
Cook	0	0	\$0	Polk	20	64	\$3,500
Cottonwood	0	0	\$0	Pope	8	71	\$30,000
Crow Wing	15	27	\$68,000	Ramsey	145	28	\$2,341,729
Dakota	53	15	\$244,500	Red Lake	3	70	\$0
Dodge	6	34	\$0	Redwood	0	0	\$0
Douglas	17	52	\$410,000	Renville	3	17	\$0
Faribault	2	12	\$0	Rice	14	25	\$315,000
Fillmore	5	24	\$2,500	Rock	2	21	\$0
Freeborn	7	21	\$6,000	Roseau	6	37	\$0
Goodhue	6	14	\$165,000	St. Louis	74	37	\$67,320
Grant	3	48	\$0	Scott	10	11	\$95,000
Hennepin	185	17	\$1,513,467	Sherburne	11	17	\$74,970
Houston	0	0	\$0	Sibley	3	20	\$0
Hubbard	1	5	\$10,000	Stearns	18	14	\$153,500
Isanti	5	16	\$100,000	Steele	9	27	\$12,400
Itasca	14	32	\$285,000	Stevens	0	0	\$0
Jackson	2	18	\$0	Swift	4	33	\$0
Kanabec	4	27	\$6,000	Todd	5	20	\$20,000
Kandiyohi	3	7	\$41,000	Traverse	1	24	\$0
Kittson	6	114	\$0	Wabasha	2	9	\$0
Koochiching	2	14	\$0	Wadena	5	36	\$0
Lac Qui Parle	2	25	\$0	Waseca	5	26	\$300
Lake	1	9	\$0	Washington	19	9	\$183,164
Lake of the Woods	0	0	\$0	Watsonwan	1	8	\$600
LeSueur	2	8	\$175,000	Wilkin	0	0	\$0
Lincoln	0	0	\$0	Winona	5	10	\$0
Lyon	3	12	\$20,000	Wright	17	19	\$0
McLeod	2	6	\$2,500	Yellow Medicine	6	54	\$0
Mahnomen	4	77	\$1,000	TOTAL	1,050	21	\$7,464,977

* Based on data received from 767 departments. See pages 45 for MFIRS participation by county.

SUMMARY

Incendiary fires decreased in 2010 and dollar loss from those fires increased. Incendiary fires were the cause of 8% of structure fires with known causes.

Sixty percent of all incendiary structure fires were in residential property, as well as 65% of all incendiary dollar loss.

In the past twenty-two years, incendiary fires caused 55 deaths and over \$325.5 million in property loss. Incendiary fires must continue to be addressed through such efforts as the Arson Reward Program, the Arson Suspect Pointer System, and the Juvenile Firesetter Intervention Programs. Arson is a crime against every Minnesotan.

CASUALTIES



Photo by Denise DeMars

How Do We Compare? Minnesota and Your Community

The National Fire Protection Association (NFPA) and United States Fire Administration (USFA) track fires, fire loss, and fire deaths nationwide and by regions. In this portion of the *Fire in Minnesota* report, we will try to compare Minnesota's fire data with the rest of the United States and with the other states in the Midwest region (Iowa, Illinois, Indiana, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin). We will also provide some benchmark data so communities can assess how their fire loss data compares to the state's fire loss data.

Fire Fatalities:

Compared to the nation and other states in the Midwest region, Minnesota's fire death rate for 2004-2008 was significantly lower, 27% and 45% lower, respectively (see Table 1 for the comparison data).

Based on a fire death rate of 8.6 per million population (fire death rate in Minnesota), it is possible to project the number of people who will be killed by fire for a given population. Table 2 shows the projected number of fire deaths based on various populations served by a fire department.

If your community is experiencing more fire deaths than what are shown in Table 2 based on your population, it is likely that you have a fire safety problem that needs to be addressed.

Number of Fires:

In Minnesota, there is one fire for every 350 people (or 2.9 fires per 1,000 people). This number is about 33% lower than the national rate (4.4 fires per 1,000 people) and about 43% lower than the Midwest region fire rate (5.2 fires per 1,000 people).

Based on a fire incident rate of 2.9 per 1,000 population, it is possible to project the number of fires for a given population. Table 3 shows the projected number of fires based on various populations served by a fire department.

The number of fires includes structure fires, vehicle fires and outside fires. If your community is consistently experiencing more fires on an annual basis than what is shown in Table 3 for your population, additional analysis is likely warranted to determine why the number of fires is higher than the state average.

Table 1 – Fire Death Rates (2004-2008)

	Fire Death Rate (per million):	Comments:
Minnesota	8.6	
Midwest Region	15.4	Minnesota is about 45% lower than the Midwest regional average
United States	11.8	Minnesota is about 27% lower than the national average

U.S. Fire Experience by Region, 2004-2008; National Fire Protection Association, March, 2010.

Table 2 – Number of Fire Deaths by Population

Population:	Anticipated Number of Fire Deaths:
350,000	3 per year
300,000	2.5 per year
100,000	0.86 per year (1 every 13-14 months)
60,000	1 every 2 years
40,000	1 every 3 years
20,000	1 every 6 years
10,000	1 every 12 years

Table 3 – Number of Fires by Population

Population:	Anticipated Number of Fires:
350,000	1,050 per year
300,000	870 per year
100,000	290 per year
60,000	174 per year
40,000	116 per year
20,000	58 per year
10,000	29 per year

FIRE DEATHS AND SMOKE ALARM PERFORMANCE*

In 36% of fatalities in residential occupancies, smoke alarms were improperly maintained or absent.

In 2010, 39 civilians lost their lives in Minnesota fires. Sadly, this number represents a 15% increase in fire deaths, compared to the 2009 total of 35 fatalities. Residential fire deaths represented 87% of total fire deaths in 2010. In 36% of the residential casualties, smoke alarms (required in every dwelling since 1993) were absent or non-operating. In another 32% of the dwelling cases, it was not possible to determine whether a smoke detector was present or operating.

FIRE DEATHS IN RESIDENTIAL DWELLINGS

	<u>Fatalities</u>	<u>% of Dwell. Fires</u>	<u>% of Total Deaths</u>
No Smoke Alarms Present	4	12%	10%
Inoperable Smoke Alarms Present	8	24%	21%
Working Smoke Alarms Present	6	18%	15%
Unk. if Alarms Present/Working	11	32%	28%
Not a Factor/Suicides, Explosions, etc.	5	15%	13%
Total Deaths in Dwellings	34	100%	87%
Other Fire Deaths (Including vehicles, outdoors, other structures, etc.)	5	--	13%
Total Fire Deaths	39	--	100%

SIX FATALITIES WITH WORKING SMOKE DETECTORS: WHY DIDN'T THEY GET OUT?

	<u>Fatalities</u>
Physical disabilities/mobility issues	2
Significant drug or alcohol impairment	4
Possible foul play	1
Total	7

(Some victims fit in more than one category)

Since August 1, 1993, smoke alarms have been required in every dwelling in Minnesota that has a sleeping area.

*All charts and information on this page have been taken from the State Fire Marshal Division's 2010 fire death database, which is based on fire death investigations done by this office and on MFIRS data.

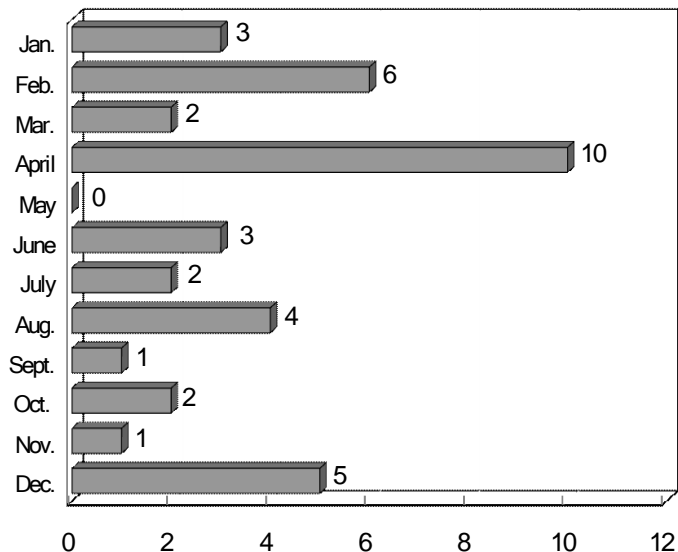
CIVILIAN FIRE DEATHS: WHO AND WHEN

Forty-nine percent of fire deaths in 2010 occurred between the hours of 12 a.m. and 6 a.m. Fifty-four percent of the fire deaths occurred during the months of January through April.

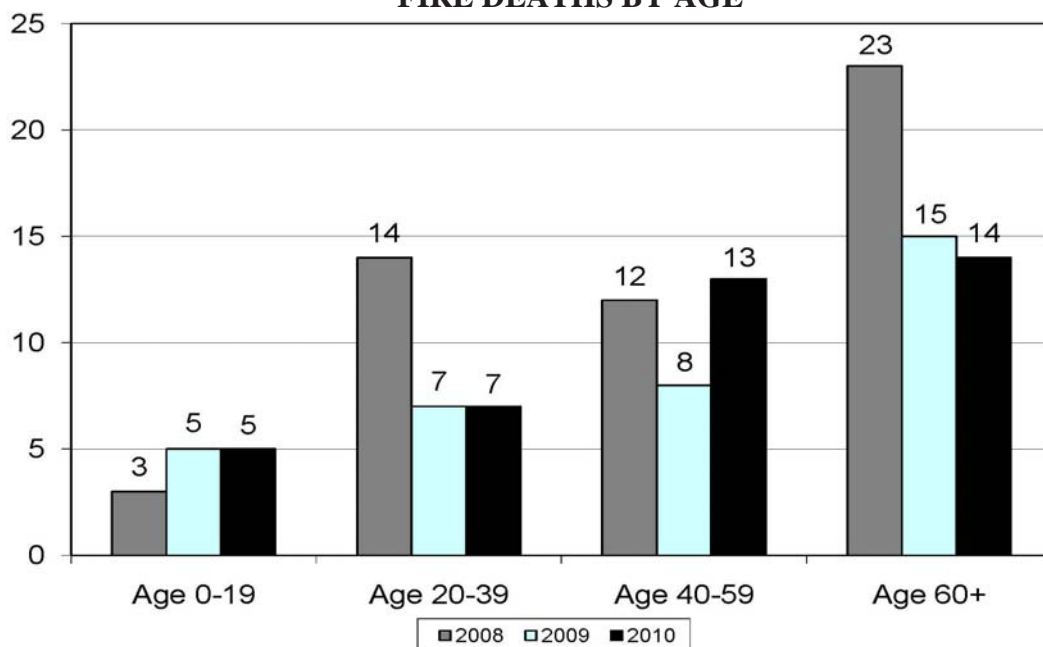
FIRE DEATHS BY TIME OF DAY

	TOTAL	0000-0600	0600-1200	1200-1800	1800-2400
Careless Smoking	7	3	1	3	0
Vehicle Collision	4	2	1	1	0
Combust. Too Close	3	1	0	2	0
Arson/Suicide	3	1	1	1	0
Unattended Cooking	1	0	0	0	1
Other	3	1	0	2	0
Undetermined	18	11	4	0	3
TOTAL	39	19	7	9	4

FIRE DEATHS BY MONTH



FIRE DEATHS BY AGE



In 2010, the middle-aged group (40-59 years) experienced a 63% increase in fire fatalities.

In 2010, total fire deaths went up by 15% from 2009. Deaths in the 0-19 age group remained the same, as did the 20-39 year-old age group. Deaths in the 60+ range went down by one fatality (7%). The elderly still accounted for 36% of all fire deaths in 2010. The middle-aged group (40-59 years) experienced a 63% increase in fire fatalities in 2010, compared to 2009.

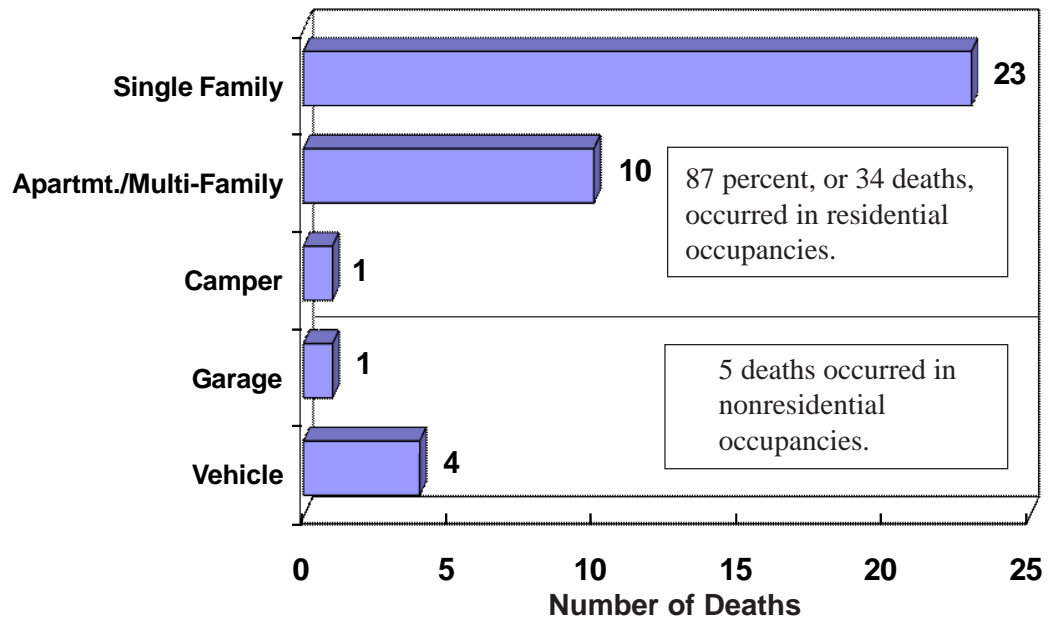
CIVILIAN FIRE DEATHS: WHERE AND WHY

Eighty-seven percent of all fire deaths occurred in residential property.

Careless smoking was identified as the cause of 33% of fire deaths with known causes. Seventy-one percent of those careless smoking deaths were alcohol- or drug-related.

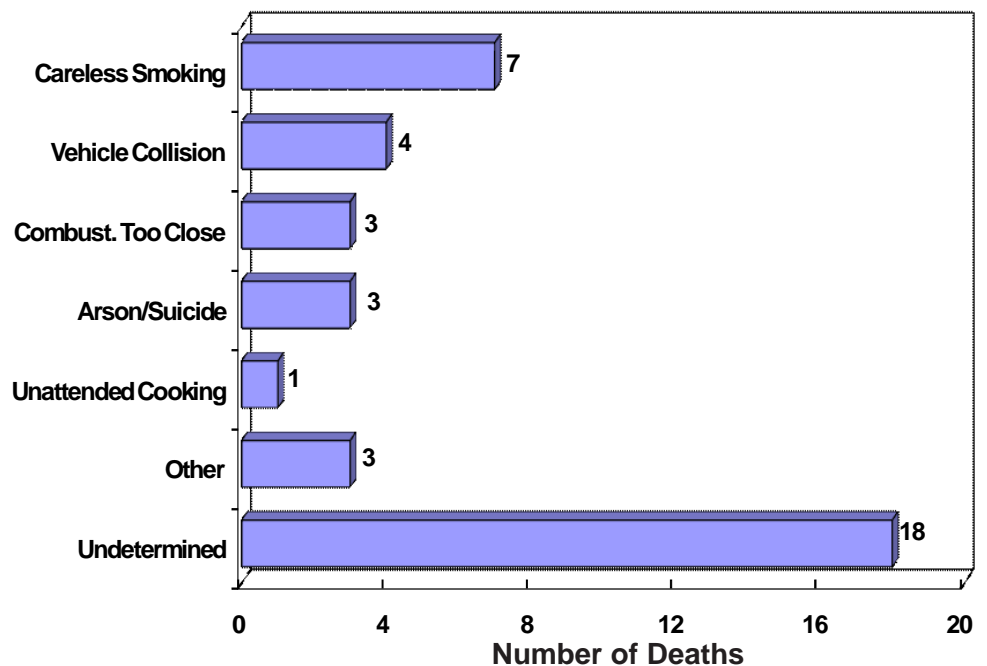
Alcohol/drug use was a factor in 36% of all fire deaths.

Civilian Deaths By Location



Eighty-seven percent of all 2010 fire deaths occurred where people generally feel safest – in their homes and 97% of structural fire deaths were in residences.

Civilian Deaths By Cause



In 2010, careless smoking was once more the leading cause of fatal fires, and was determined to be the causative factor in 33% of fire deaths with known causes for the year. The number of careless smoking deaths decreased by 30% over 2009. Alcohol or drug use was a factor in 71% of the careless smoking deaths and in 36% of all fire deaths.

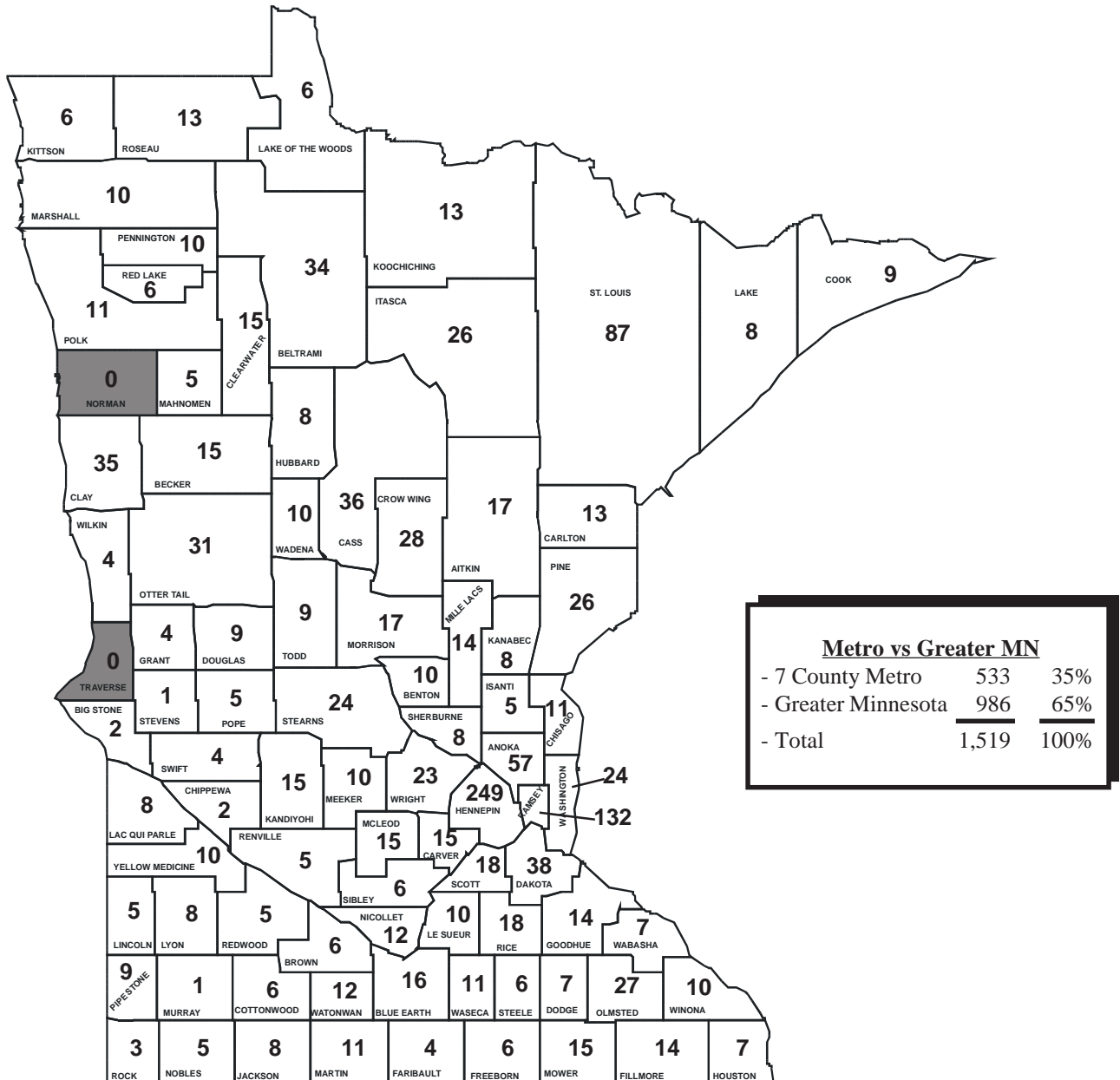
2010 FIRE DEATH LISTING

<u>Date</u>	<u>City/Town</u>	<u>Structure</u>	<u>Cause</u>	<u>Age</u>
1/3/2010	Minneapolis	Single Family	Careless Smoking	65
1/19/2010	Parkers Prairie	Single Family	Undetermined	88
1/28/2010	Dalton	Single Family	Improper Installation	28
2/1/2010	St. Paul	Apartment	Undetermined	49
2/14/2010	New Ulm	Single Family	Undetermined	68
2/14/2010	New Ulm	Single Family	Undetermined	54
2/15/2010	Roseau	Single Family	Undetermined	88
2/15/2010	Roseau	Single Family	Undetermined	92
2/28/2010	Cedar Lake Twp.	Single Family	Undetermined	52
3/22/2010	Brooklyn Park	Single Family	Careless Smoking	56
3/25/2010	St. Paul	Single Family	Undetermined	2
4/2/2010	Minneapolis	Apartment	Undetermined	26
4/2/2010	Minneapolis	Apartment	Undetermined	43
4/2/2010	Minneapolis	Apartment	Undetermined	3
4/2/2010	Minneapolis	Apartment	Undetermined	3
4/2/2010	Minneapolis	Apartment	Undetermined	2
4/2/2010	Minneapolis	Apartment	Undetermined	25
4/21/2010	Duluth	Single Family	Undetermined	56
4/22/2010	Stacy	Single Family	Undetermined	45
4/25/2010	Cambridge	Highway	Vehicle Collision	24
4/29/2010	Cosmos	Highway	Vehicle Collision	40
6/8/2010	Gilbert	Single Family	Suicide	54
6/10/2010	Edina	Single Family	Spark/Ember from Cutting/Grinding	86
6/14/2010	Minneapolis	Single Family	Careless Smoking	53
7/5/2010	St. Louis Park	Single Family	Combustible Too Close	63
7/8/2010	Minneapolis	Single Family	Combustible Too Close	62
8/12/2010	Brewster	Res. St/Driveway	Vehicle Collision	26
8/25/2010	Isanti	Detached Res. Garage	Gasoline Leak/Spill	70
8/28/2010	Minneapolis	Res.St/Driveway	Vehicle Collision	22
8/29/2010	Henderson	Single Family	Arson	17
9/29/2010	Caledonia	Apartment	Careless Smoking	61
10/4/2010	Elysian	Single Family	Careless Smoking	49
10/14/2010	Rogers	Single Family	Undetermined	40
11/28/2010	Jordan	Single Family	Combustible Too Close	77
12/1/2010	Minneapolis	Apartment	Unattended Cooking	72
12/11/2010	St. Paul	Apartment	Careless Smoking	20
12/12/2010	Minneapolis	Single Family	Undetermined	45
12/12/2010	Minneapolis	Single Family	Undetermined	79
12/14/2010	Edina	Single Family	Careless Smoking	74

Historically, fire deaths in greater Minnesota outpace those in the seven-county metro area by a rate of nearly two to one.

CIVILIAN DEATH RATES, 1983 THROUGH 2010

In the last 27 years, 1,519 Minnesota civilians have died in fires (see distribution by county below). In 2010, 46% of our state population lived in greater Minnesota, where the per capita fire death rate was 0.65 deaths for every 100,000 people. The per capita fire death rate for the Metro area in 2010 was 0.80 per 100,000, while the rate for the state as a whole was 0.74 per 100,000. 2010 saw a reversal of the fire death rate from greater Minnesota to the metro area. For the past several years, the fire death rate in greater Minnesota was almost twice what it was in the metro area. In 2010, the metro fire death rate was higher. The national per capita fire death rate for 2009 was 0.98 per 100,000. To see how Minnesota compares to the national and regional fire death rates, see page 28. Norman and Traverse are the two counties in Minnesota that have remained fatality free for the past 27 years.



**Minnesota's
Fire Deaths**

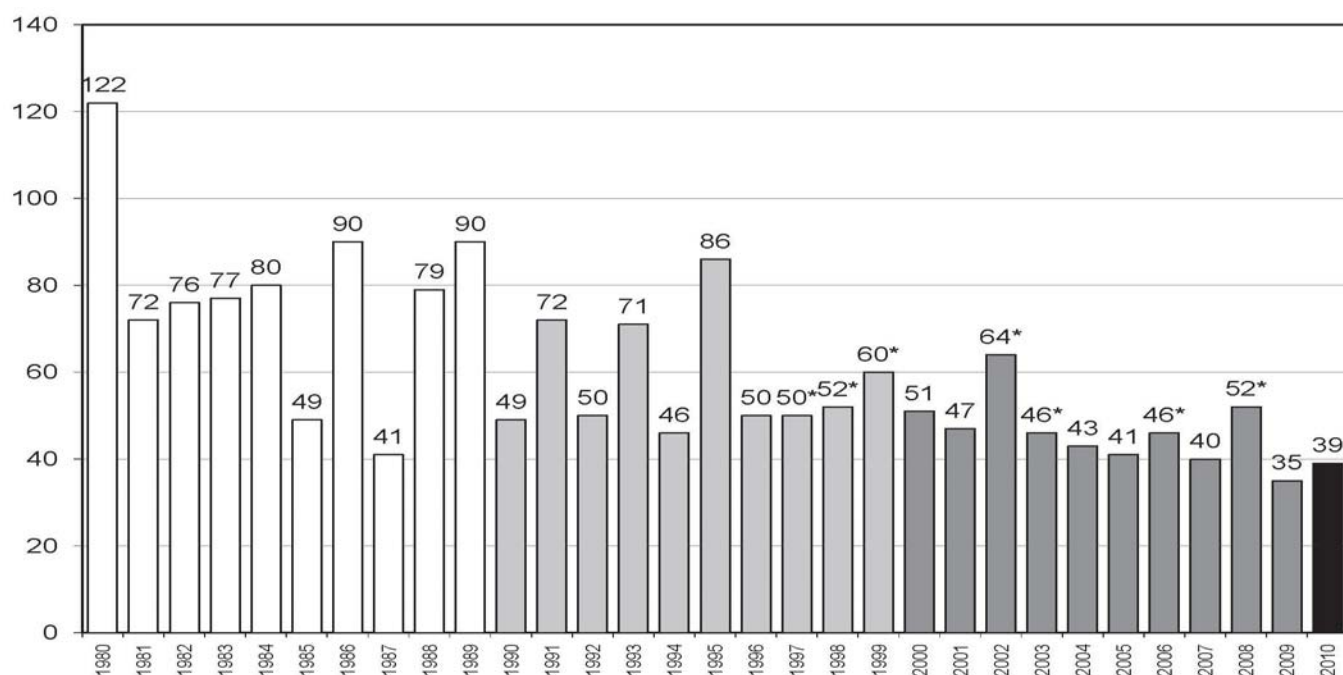
1970s	961 deaths
1980s	776 deaths
1990s	585 deaths
2000s	465 deaths
2010s	390 deaths (estimate)

30+ YEARS OF FIRE DEATH HISTORY

As Minnesota's population has grown from 3.8 million in 1970 to 5.3 million in 2010, fire deaths have decreased. During the 1980s, fire deaths in Minnesota dropped 19% from the levels of the 1970s. The 1990s show a further decrease of 25% from the levels in the 1980s. The 2000s had a decrease of 21% from the 1990s.

Much of this decline in the fire death rate must be attributed to the fire service. Since the mid-seventies, the promotion of fire protection technology (smoke alarms, sprinkler systems, etc.) has become widespread in Minnesota. Also during this time, the state has mandated new inspection/code enforcement programs targeting hotels, motels, schools, and health care and day care facilities.

FIRE DEATHS 1980 - 2010



*Does not include firefighter deaths.

FIREFIGHTER DEATHS

The Minnesota Fire Service reports no line-of-duty firefighter deaths in 2010. Minnesota is one of just 19 states that claims no line-of-duty deaths in that calendar year.

We honor those who have fallen and remember them with pride and gratitude for their dedicated service in protecting their fellow citizens from the tragedy of fire.

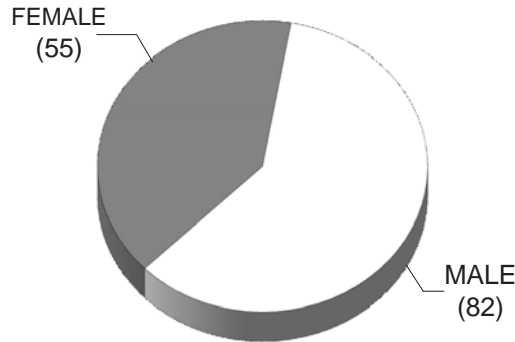
To further honor those firefighters who have given their lives, a memorial site on the state Capitol grounds is being planned by the Minnesota Fire Service Foundation. This site will be funded by firefighter contributions. The goal is to have the necessary funds raised by December 31, 2011. Donation checks from firefighters or fire departments should be made payable to: Minnesota Fire Service Foundation, c/o Flagship Bank, 7525 Office Ridge Circle, Eden Prairie, MN 55344-3644. This initiative is supported and endorsed by the Minnesota State Fire Department Association, Minnesota Professional Fire Fighters and the Minnesota State Fire Chiefs Association.

We honor all firefighters who have given their lives to protect others and remember them always with pride and gratitude.

CIVILIAN INJURIES REPORTED BY FIRE DEPARTMENTS

In 2010, 137 civilians were injured in Minnesota fires. Sixty percent of those injured were males; 40% were females.

In 2010, 137 civilian injuries were reported through the MFIRS system, a 14% increase from 2009. This number does not represent the actual number of fire injuries occurring in the state, as it includes only those victims who have direct contact with the fire department. Many burn victims are taken to emergency rooms by private car or ambulance.



<u>AGE OF VICTIM</u>	<u>NO. OF VICTIMS</u>
0-19	14
20-39	55
40-59	46
60-OVER	19
UNKNOWN	<u>3</u>
TOTAL	137

A breakdown of reported injuries by gender shows that 60% of injuries were to males and 40% to females.

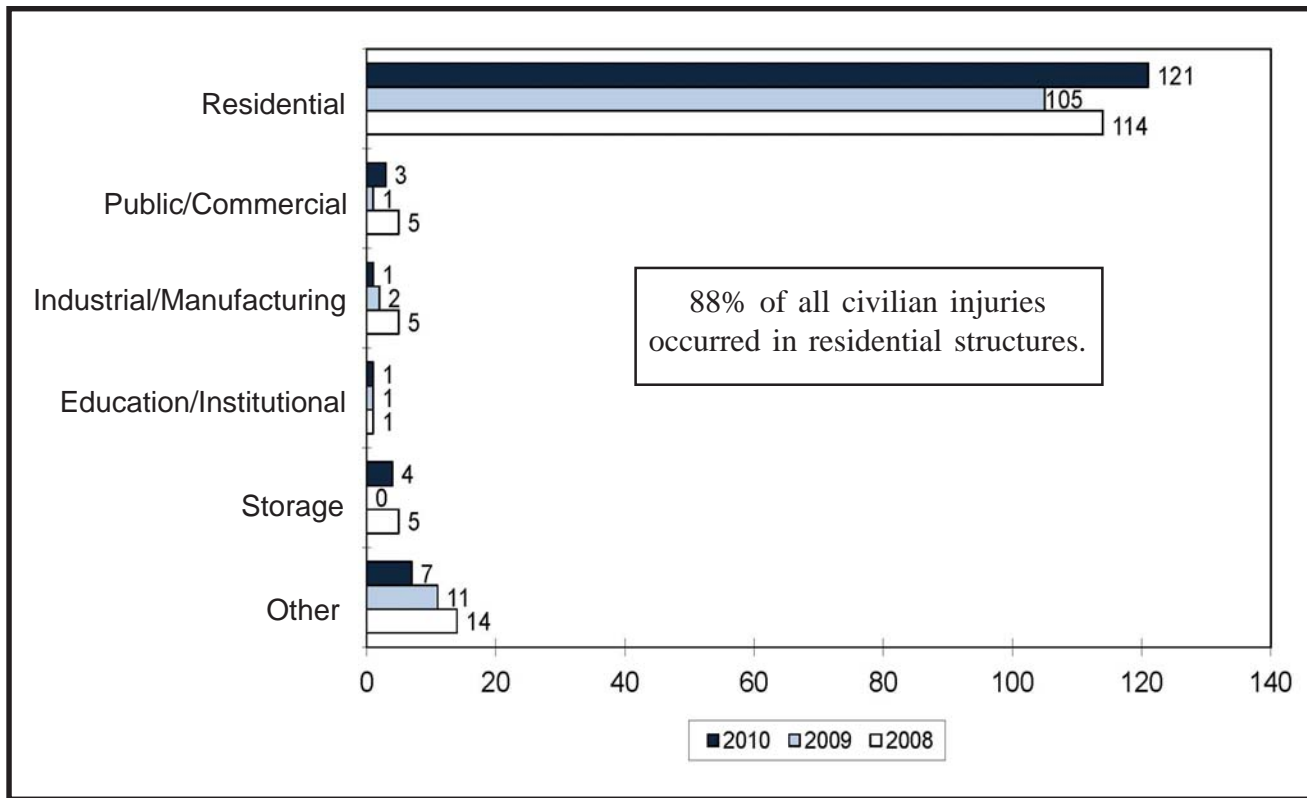
ACTIVITY AT TIME OF FIRE

People trying to control a fire accounted for 29% of all civilian fire injuries; these numbers indicate an ongoing need to educate citizens of all ages on how to react to a fire. "Get Out and Stay Out" cannot be over-emphasized.

Twenty-nine percent of all injuries were to people trying to control or extinguish a fire.

CIVILIAN INJURIES BY ACTIVITY		
<u>Activity</u>	<u>#</u>	<u>%</u>
Fire Control	40	29%
Escape	22	16%
Sleeping	10	7%
Rescue attempt	6	4%
Irrational act	3	2%
Unable to act	3	2%
Other	6	4%
Unkn/Unrep	<u>47</u>	<u>34%</u>
	137	100%

CIVILIAN INJURIES BY PROPERTY TYPE



Like fire fatalities, civilian fire injuries occur most frequently in residential structures.

CIVILIAN INJURIES BY ACTIVITY AND STRUCTURE

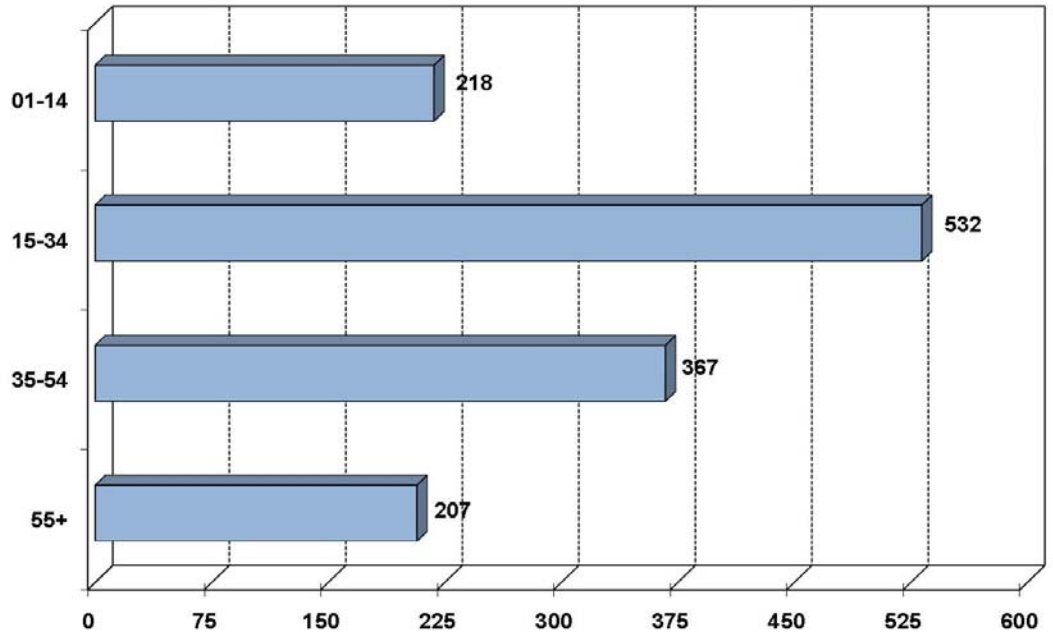
	<u>Residential</u>	<u>Pub/Comm</u>	<u>Indus/Manu</u>	<u>Educ/Inst</u>	<u>Storage</u>	<u>Other</u>
Fire Control	36	--	1	--	1	2
Escaping	20	1	--	--	--	1
Sleeping	10	--	--	--	--	--
Rescue Attempt	6	--	--	--	--	--
Irrational Action	2	--	--	1	--	--
Unable to Act	3	--	--	--	--	--
Other	5	--	--	--	1	--
Unknown	<u>39</u>	<u>2</u>	<u>--</u>	<u>--</u>	<u>2</u>	<u>4</u>
TOTAL	121	3	1	1	4	7

BURN INJURIES REPORTED BY HOSPITAL FACILITIES

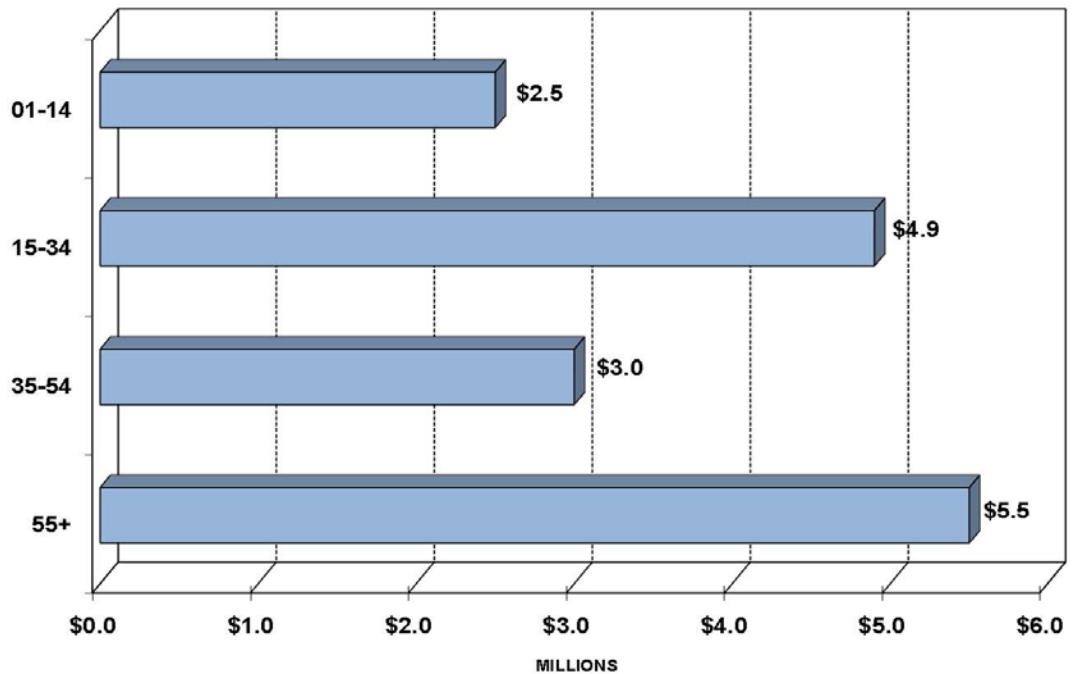
The charts and tables below and on the next two pages reflect civilian burn injuries that were reported to the Minnesota Department of Health by Minnesota hospital facilities.

Forty percent of 1,324 reported burn injuries (532) were in the 15-34 age group.

CIVILIAN BURN INJURIES BY AGE



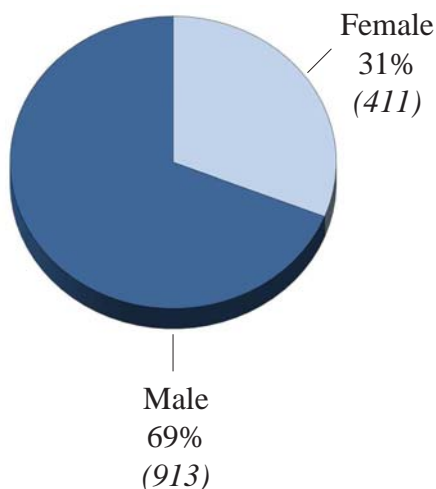
CIVILIAN BURN INJURIES TREATMENT CHARGES BY AGE



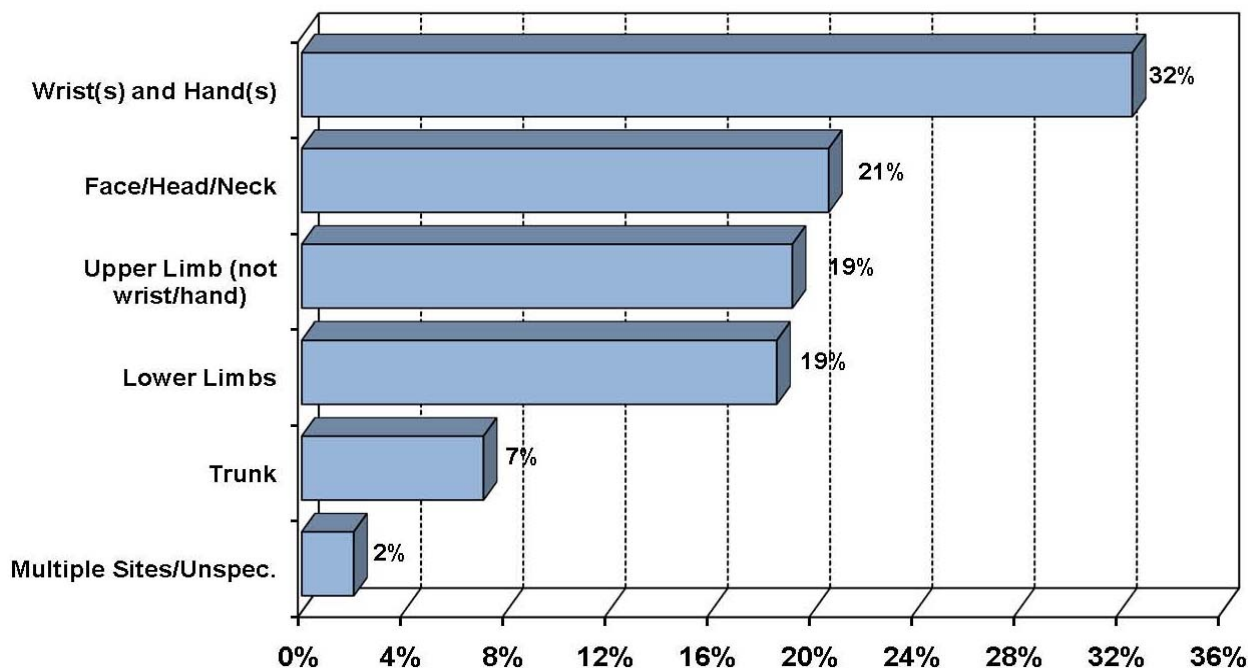
Total treatment charges of reported burn injuries was nearly \$16 million.

Sixty-nine percent of burn injuries were sustained by males and 31% by females.

CIVILIAN BURN INJURIES BY GENDER



CIVILIAN BURN INJURIES BY BODY AREA



Wrists and hands were the leading burn areas at 32% of all burns reported.

CIVILIAN BURN INJURIES BY INCOME LEVEL

Income Level	No. of Injuries	Rate (Per 100,000 Pop.)	Percent. of Total
\$0-\$24,999	29	44	2%
\$25,000-\$49,000	850	31	65%
\$50,000-\$74,999	391	22	30%
\$75,000+	46	13	3%

CIVILIAN BURN INJURIES AND CHARGES BY COUNTY*

(reported by hospital facilities)

Per capita data is calculated at a rate of burn injuries per 100,000 people.

<u>County</u>	<u>Burn Injuries</u>	<u>Burn Injuries/ 100,000 Pop.</u>	<u>Burn Injury Costs</u>	<u>County</u>	<u>Burn Injuries</u>	<u>Burn Injuries/ 100,000 Pop.</u>	<u>Burn Injury Costs</u>
Aitkin	9	96	\$22,046	Marshall	5	70	\$10,885
Anoka	69	20	\$537,566	Martin	9	47	\$8,451
Becker	13	42	\$450,891	Meeker	5	22	\$5,592
Beltrami	9	19	\$140,814	Mille Lacs	16	69	\$14,465
Benton	28	73	\$177,377	Morrison	17	53	\$113,824
Big Stone	0	0	\$0	Mower	21	66	\$59,808
Blue Earth	14	21	\$54,858	Murray	5	66	\$17,589
Brown	12	58	\$94,620	Nicollet	5	16	\$543,520
Carlton	9	29	\$7,322	Nobles	4	17	\$4,490
Carver	19	21	\$164,948	Norman	0	0	\$0
Cass	11	49	\$14,238	Olmsted	28	20	\$282,053
Chippewa	2	14	\$2,223	Otter Tail	28	60	\$667,680
Chisago	23	50	\$147,660	Pennington	7	54	\$3,682
Clay	4	8	\$20,726	Pine	15	54	\$92,531
Clearwater	6	78	\$39,209	Pipestone	6	69	\$3,445
Cook	1	26	\$573	Polk	6	21	\$212,753
Cottonwood	1	14	\$2,876	Pope	4	45	\$8,715
Crow Wing	20	36	\$61,767	Ramsey	97	19	\$2,042,874
Dakota	52	13	\$321,345	Red Lake	5	141	\$1,581
Dodge	5	25	\$2,637	Redwood	6	50	\$6,348
Douglas	9	25	\$60,801	Renville	7	42	\$12,749
Faribault	2	14	\$1,615	Rice	19	30	\$48,607
Fillmore	6	29	\$35,562	Rock	2	21	\$1,352
Freeborn	10	39	\$20,737	Roseau	14	101	\$197,526
Goodhue	17	39	\$349,398	St. Louis	80	43	\$1,438,672
Grant	4	95	\$1,777	Scott	31	25	\$140,293
Hennepin	217	19	\$3,287,179	Sherburne	19	21	\$69,485
Houston	1	3	\$1,554,713	Sibley	6	43	\$48,328
Hubbard	10	60	\$13,198	Stearns	17	11	\$167,718
Isanti	13	34	\$327,279	Steele	15	41	\$317,033
Itasca	21	45	\$166,340	Stevens	0	0	\$0
Jackson	4	49	\$31,850	Swift	3	25	\$1,073
Kanabec	12	72	\$61,977	Todd	9	41	\$13,731
Kandiyohi	7	18	\$65,697	Traverse	2	94	\$730
Kittson	0	0	\$0	Wabasha	6	26	\$40,565
Koochiching	11	94	\$5,220	Wadena	7	57	\$8,329
Lac Qui Parle	3	61	\$8,697	Waseca	7	36	\$6,432
Lake	5	66	\$3,650	Washington	45	20	\$232,431
Lake of the Woods	3	147	\$348,637	Watonwan	6	64	\$147,540
LeSueur	8	31	\$7,967	Wilkin	3	45	\$2,030
Lincoln	0	0	\$0	Winona	17	46	\$78,730
Lyon	5	23	\$5,992	Wright	30	25	\$160,183
McLeod	10	28	\$26,246	Yellow Medicine	1	11	\$190
Mahnomen	4	100	\$38,785	TOTAL	1,324	25	\$15,921,026

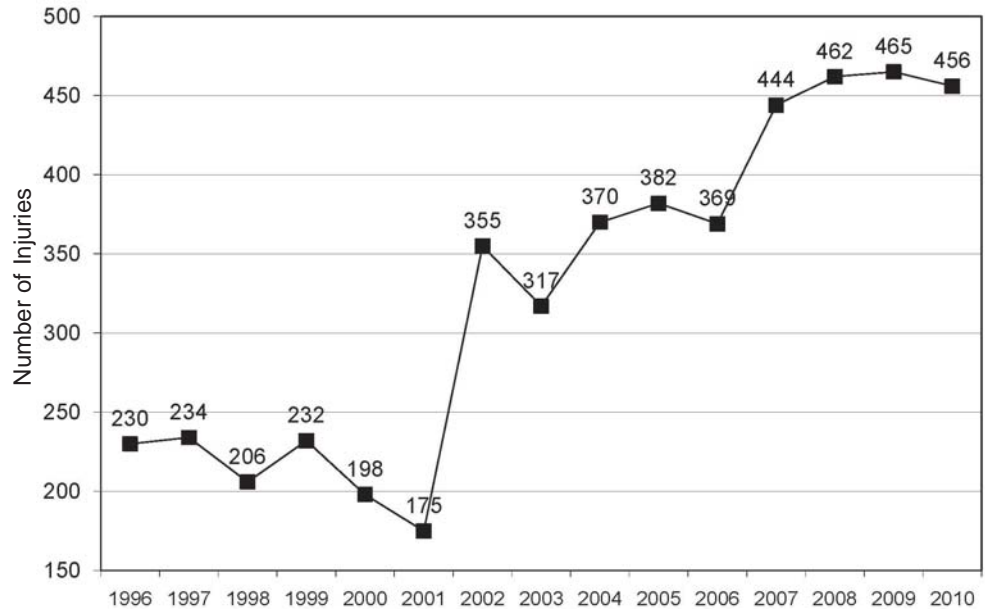
*If the number of burn injuries for a county is under 20, the rate is considered "unstable" and not necessarily accurate.

FIREFIGHTER INJURIES

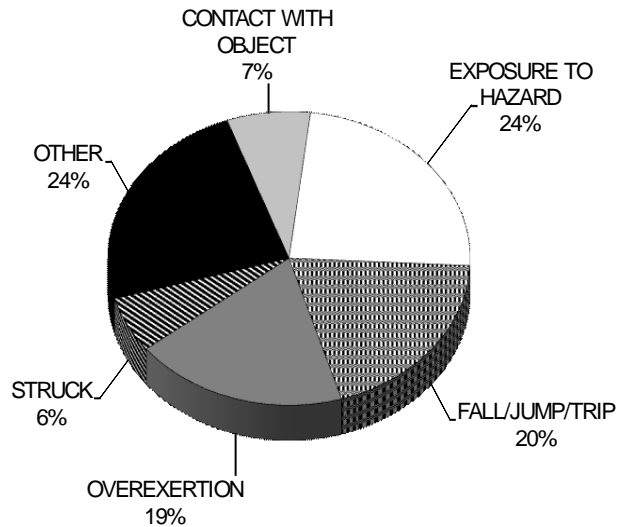
In 2010, 456 Minnesota firefighters were injured while responding to, involved in, or returning from emergency situations - a slight decrease from 2009. Of the 456 injuries, 264 (58%) were directly fire related. (This does not include injuries that occurred during training or at the stations.) Sixty-nine percent of these fire-related injuries occurred while firefighters were fighting residential structure fires (181).

Of the 456 firefighter injuries, 264 (58%) occurred in the course of fighting fires.

FIFTEEN-YEAR HISTORY OF MINNESOTA FIREFIGHTER INJURIES



MINNESOTA FIREFIGHTER INJURIES: CAUSES



Of known causes, "exposure to hazard" at 24% with "fall/jump/trip" following at 20% had the greatest percentage of injuries.

Firefighter injury cause category "exposure to hazard" includes exposure to heat, smoke or toxic agents.

FIREWORKS INJURIES AND PROPERTY LOSS

The State Fire Marshal Division has gathered information about fireworks injuries and property damage since 1989. Minnesota hospitals voluntarily report injuries treated in their emergency departments during the period of June 25 to July 15 each year. Property damage information is taken from the Minnesota Fire Incident Reporting System. From 1989 through 2001, a total of \$1.6 million in property damage resulting from fireworks use was reported, averaging more than \$123,000 per year. The total property damage due to fireworks use from 2002 through 2004 was over \$3 million. Property damage reported from 2006 through 2010 totaled \$1.1 million, averaging almost \$200,000 per year.

Fireworks injuries most commonly occur to males between one and 19 years of age, with burns being the most common type of injury reported. Burn injuries include those to the extremities, eyes, and face. It is impossible to know how many injuries occurred for which medical attention was not sought.

Prior to 2002, consumer fireworks were illegal in Minnesota. In 2002, certain types of non-aerial and non-explosive fireworks were legalized for use throughout the year. In 2002, 92 injuries were reported between June 25 and July 15, an increase of 306% over 2001. Reported injuries in 2003 totalled 89, then peaked to a high of 111 in 2004. Approximately 85% of Minnesota hospitals participate in the survey of fireworks injuries.

FIREWORKS INJURIES* 2006-2010 (June-July) BY AGE

Years of Age	2006		2007		2008		2009		2010		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
0-9	13	23%	15	23%	12	19%	9	16%	13	15%	62	19%
10-19	22	39%	17	26%	23	36%	11	19%	19	22%	92	28%
20-29	10	18%	19	29%	13	20%	16	28%	22	25%	80	24%
30-39	6	11%	9	14%	5	8%	12	21%	10	11%	42	13%
40-49	4	7%	4	6%	5	8%	8	14%	13	16%	35	11%
50 Plus	1	2%	1	2%	6	9%	1	2%	10	11%	19	6%
Total	58[†]	100%	67[†]	100%	66[†]	100%	57	100%	87	100%	330	100%
Male	39	67%	46	69%	51	77%	45	79%	62	70%	243	72%
Female	19	33%	21	31%	15	23%	12	21%	26	30%	93	28%

*Information collected from survey conducted at Minnesota hospitals covering from June 25 through July 15 annually.

†There were two injuries in 2006, two injuries in 2007, and two injuries in 2008 that listed age as "unknown" or "0".

FIREWORKS FIRE INCIDENTS* DOLLAR LOSS

	2006	2007	2008	2009	2010	TOTAL
June-July	\$373,410	\$300,600	\$130,866	\$89,550	\$26,300	\$920,726
<i>No. of Incidents</i>	116	141	92	61	24	434
<i>% of Total \$ Loss</i>	97%	93%	94%	94%	19%	85%
<i>Aver. Dollar Loss</i>	\$3,219	\$2,132	\$1,422	\$1,468	\$1,096	\$2,121
Total/Year	\$384,010	\$322,400	\$139,366	\$95,350	\$137,800	\$1,078,926
<i>No. of Incidents</i>	141	175	123	92	45	576
<i>Aver. Dollar Loss</i>	\$2,723	\$1,842	\$1,133	\$1,036	\$3,062	\$1,873

*Information taken from the Minnesota Fire Incident Reporting System (MFIRS).

SUMMARY

Historically, Minnesotans have been at greatest risk of fire death and injury in their own homes. In 2010, 87% of all of the state's fire deaths and 88% of civilian injuries occurred in residential settings. Ninety-seven percent of fire deaths in structures were in residences. The presence or absence of working smoke alarms is often a factor in fire fatalities. In 36% of fire deaths occurring in dwellings, smoke alarms were not present or not working. In 32% of residential deaths, it was not known whether alarms were present or functioning.

Careless smoking is once again the leading cause of fire deaths in 2010, representing 33% of known causes. Alcohol or drug use was an impairing factor in 36% of all fire deaths.

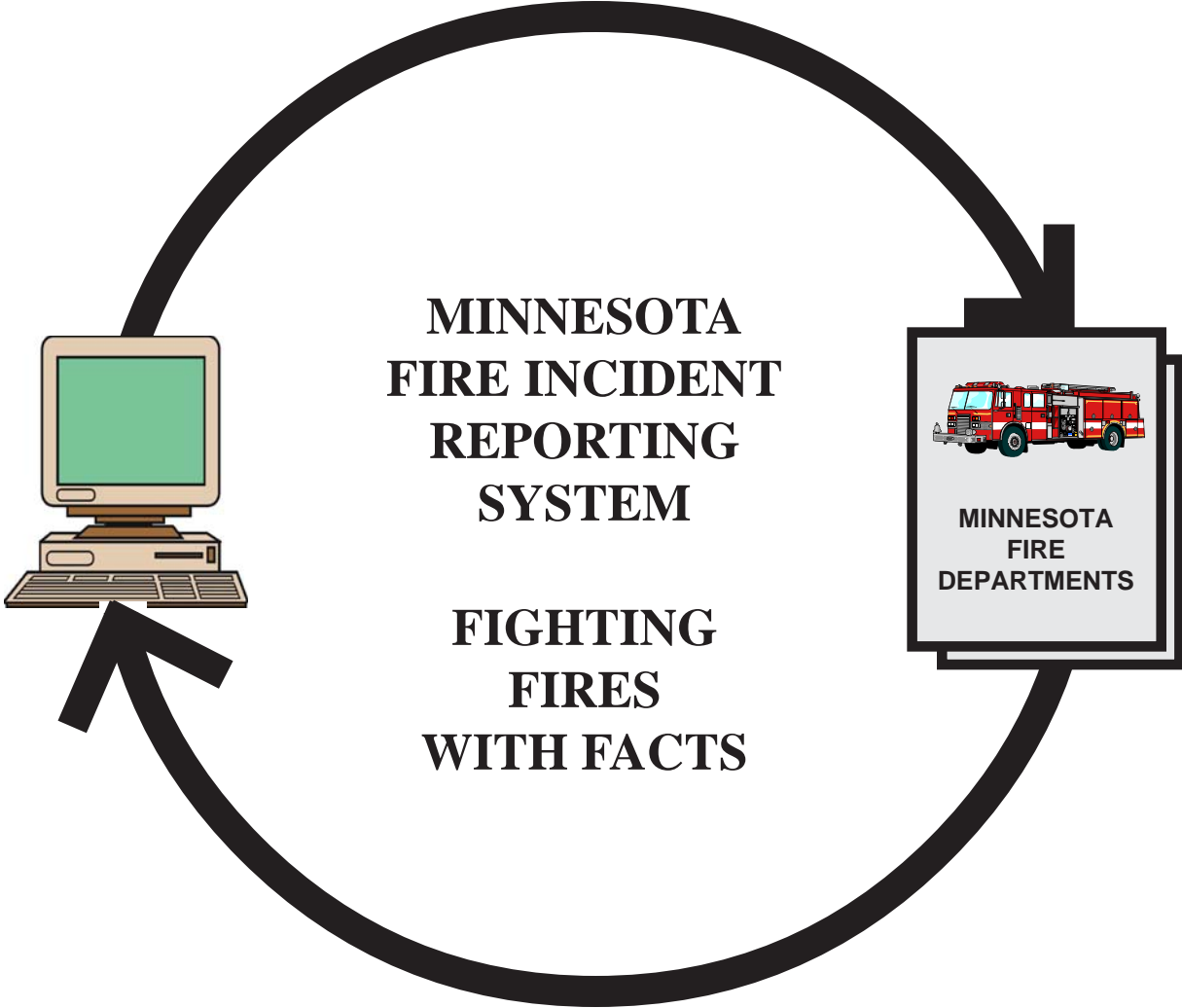
Total fire deaths increased by 15% from 2009; the youngest age group (0-19 years) stayed the same as in 2009, as did the 20-39 year age group. The elderly (60+ years) went down by one. The most striking change occurred in the population aged 40-59 years; this group represented a 63% increase in fatalities from 2009.

Twenty-nine percent of civilian fire injuries occurred during attempts to put the fire out, indicating a continuing need to educate our citizens on fire safe behaviors in the home. Getting out as quickly as possible, and not re-entering the home once outside, must be emphasized in all age groups.

Fifty-eight percent of firefighter injuries took place while fighting fires; 69% of these fire-related injuries occurred at residential structure fires.

Statewide, fire deaths have decreased over the past 30 years, even as Minnesota's population has grown. However, many preventable tragedies continue to occur. **Prevention and education efforts, particularly those targeting vulnerable populations, are essential to reduce losses from fire.**

PARTICIPATION



Fire information is requested on a weekly basis by the media, the public, the fire service and the fire protection community.

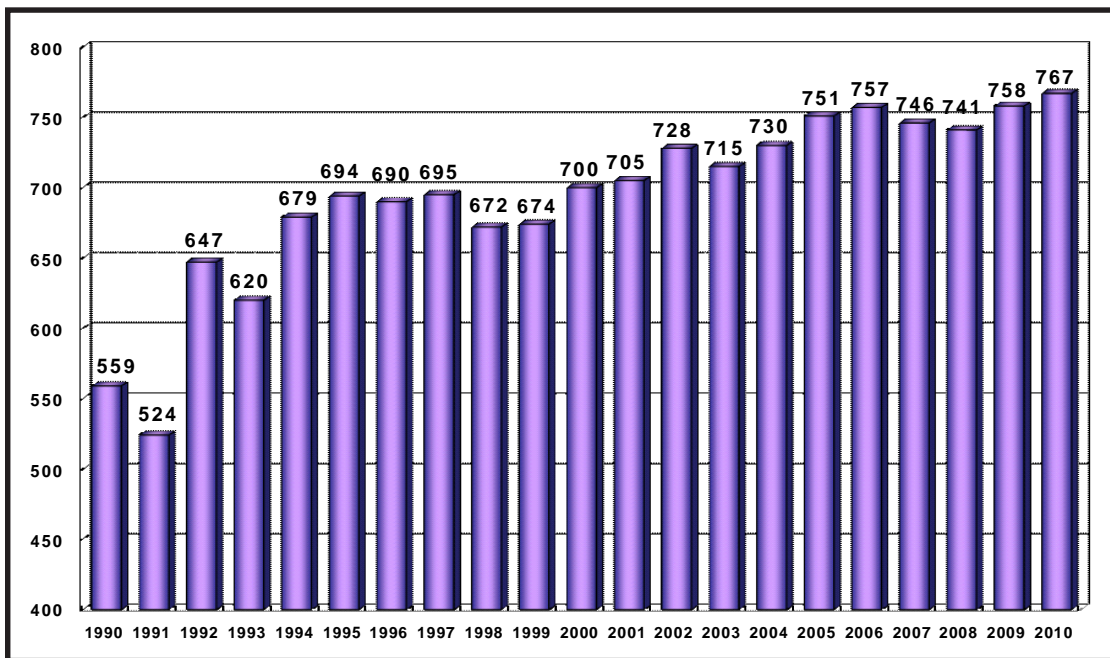
PARTICIPATION - Minnesota Fire Incident Reporting System

The Minnesota State Fire Marshal Division appreciates the efforts of the fire departments that submitted Minnesota Fire Incident Reporting System (MFIRS) reports in 2010. This information is essential if we are to understand and effectively combat the fire problem in Minnesota. It allows the division to focus on real fire problems, rather than popular perceptions. On the local level, this data provides information to help focus on prevention efforts; it also assists with budget plans for staffing and equipment.

Fire information is requested on a weekly basis by the media, the public, the fire service, and the fire protection community. It is used to support legislative initiatives and to guide public fire/safety campaigns.

The reporting history of Minnesota fire departments from 2006 to 2010 is listed on the following pages. Reporting departments are listed by county. In 71 counties, 100% of the fire departments reported to the MFIRS system.

FIRE DEPARTMENT MFIRS PARTICIPATION



Ninety-seven percent of fire departments reported in 2010.

State and national organizations are requiring fire departments to report to their state using the state's reporting system. A number of grants are awarded to fire departments with the requirement to report their incidents. These include fire grants from the United States Fire Administration (USFA), and Department of Natural Resources (DNR) grants. For more information on reporting, call Nora Gierok at 651-201-7209.

AITKIN COUNTY

(6) - 100% Reporting

06 07 08 09 10

* * * * * AITKIN
* * * * * HILL CITY
* * * * * JACOBSON
* * * * * MCGRATH
* * * * * MCGREGOR VOL.
* * * * * PALISADE VOL.

ANOKA COUNTY

(15) - 100% Reporting

* * * * * ANDOVER
* * * * * ANOKA-CHAMPLIN
* * * * * BETHEL
* * * * * CENTENNIAL
* * * * * COLUMBIA HEIGHTS
* * * * * COON RAPIDS
* * * * * EAST BETHEL
* * * * * FRIDLEY
* * * * * HAM LAKE
* * * * * LEXINGTON
* * * * * LINWOOD VOL.
* * * * * OAK GROVE
* * * * * RAMSEY
* * * * * SPRING LAKE PARK
* * * * * ST FRANCIS

BECKER COUNTY

90% Reporting

* * * * * AUDUBON
* * * * * CALLAWAY
* * * * * CARSONVILLE VOL.
* * * * * DETROIT LAKES
* * * * * ELBOW-TULABYLKS.
* * * * * FRAZEE
* * * * * LAKE PARK
* * * * * OGEMA
* * * * * WOLF LAKE
* * * * * White Earth

BELTRAMI COUNTY

83% Reporting

06 07 08 09 10

* * * * * ALASKA
* * * * * BEMIDJI
* * * * * BLACKDUCK
* * * * * KELLIHER VOL.
* * * * * SOLWAY TWP.
* * * * * Red Lake

BENTON COUNTY

(3) - 100% Reporting

* * * * * FOLEY
* * * * * RICE
* * * * * SAUK RAPIDS

BIG STONE COUNTY

(6) - 100% Reporting

* * * * * BEARDSLEY
* * * * * CORRELL
* * * * * CLINTON TWP.
* * * * * GRACEVILLE
* * * * * ODESSA
* * * * * ORTONVILLE

BLUE EARTH COUNTY

(12) - 100% Reporting

* * * * * AMBOY
* * * * * EAGLE LAKE VOL.
* * * * * GOOD THUNDER
* * * * * LAKE CRYSTAL
* * * * * MADISON LAKE
* * * * * MANKATO
* * * * * MAPLETON
* * * * * PEMBERTON
* * * * * SKYLINE
* * * * * SOUTH BEND
* * * * * ST CLAIR
* * * * * VERNON CENTER

BROWN COUNTY

(5) - 100% Reporting

06 07 08 09 10

* * * * * COMFREY
* * * * * HANSKA
* * * * * NEW ULM
* * * * * SLEEPY EYE
* * * * * SPRINGFIELD VOL.

CARLTON COUNTY

(12) - 100% Reporting

* * * * * BARNUM VOL.
* * * * * BLACKHOOF
* * * * * CARLTON VOL.
* * * * * CLOQUET AREA
* * * * * CROMWELL VOL.
* * * * * KETTLE RIVER
* * * * * MAHTOWA
* * * * * MOOSE LAKE
* * * * * SCANLON VOL.
* * * * * THOMSON TWP./ESKO
* * * * * WRENSHALL
* * * * * WRIGHT VOL.

CARVER COUNTY

(11) - 100% Reporting

* * * * * CARVER
* * * * * CHANHASSEN
* * * * * CHASKA
* * * * * COLOGNE
* * * * * HAMBURG
* * * * * MAYER
* * * * * NEW GERMANY
* * * * * NORWD.-YNG.AMER.
* * * * * VICTORIA
* * * * * WACONIA
* * * * * WATERTOWN

KEY

* Fire department submitting MFIRS each year
■ Fire department received USFA Fire Grant in 2009/2010

CASS COUNTY

(10) - 100% Reporting

06 07 08 09 10

- * * * * * BACKUS VOL.
- * * * * * CASS LAKE
- * * * * * CROOKED LAKE
- * * * * * FEDERAL DAM
- * * * * * HACKENSACK AREA
- * * * * * LONGVILLE VOL.
- * * * * * PILLAGER AREA
- * * * * * PINE RIVER
- * * * * * REMER
- * * * * * WALKER

CHIPPEWA COUNTY

80% Reporting

- * * * * * CLARA CITY
- * * * * * MAYNARD
- * * * * * MILAN
- * * * * * MONTEVIDEO
- * * * * * Watson

CHISAGO COUNTY

(11) - 100% Reporting

- * * * * * ALMELUND
- * * * * * CENTER CITY
- * * * * * CHISAGO CITY
- * * * * * HARRIS
- * * * * * LINDSTROM
- * * * * * NORTH BRANCH
- * * * * * RUSH CITY
- * * * * * SHAFER
- * * * * * STACY-LENT
- * * * * * TAYLORS FALLS
- * * * * * WYOMING

CLAY COUNTY

(9) - 100% Reporting

- * * * * * BARNESVILLE
- * * * * * DILWORTH
- * * * * * GLYNDON VOL.
- * * * * * FELTON COMM.
- * * * * * HAWLEY
- * * * * * HITTERDAL
- * * * * * MOORHEAD
- * * * * * SABIN-ELMWOOD
- * * * * * ULEN

CLEARWATER COUNTY

(7) - 100% Reporting

06 07 08 09 10

- * * * * * BAGLEY
- * * * * * BEAR CREEK
- * * * * * CLEARBROOK
- * * * * * GONVICK
- * * * * * HANGAARD TWP.
- * * * * * ITASCA TWP.
- * * * * * SHEVLIN

COOK COUNTY

89% Reporting

- * * * * * COLVILL AREA
- * * * * * GRAND MARAIS VOL.
- * * * * * GRAND PORTAGE
- * * * * * GUNFLINT TRAIL
- * * * * * HOVLAND
- * * * * * LUTSEN TWP. VOL.
- * * * * * MAPLE HILL
- * * * * * TOFTE
- * * * * * Schroeder

COTTONWOOD COUNTY

(5) - 100% Reporting

- * * * * * JEFFERS
- * * * * * MOUNTAIN LAKE
- * * * * * STORDEN
- * * * * * WESTBROOK
- * * * * * WINDOM

CROW WING COUNTY

(13) - 100% Reporting

- * * * * * BRAINERD
- * * * * * CROSBY VOL.
- * * * * * CROSSLAKE
- * * * * * CUYUNA
- * * * * * DEERWOOD
- * * * * * EMILY VOL.
- * * * * * FIFTY LAKES
- * * * * * GARRISON
- * * * * * IDEAL TWP.
- * * * * * IRONTON
- * * * * * MISSION TWP.
- * * * * * NISSWA
- * * * * * PEQUOT LAKES

DAKOTA COUNTY

(12) - 100% Reporting

06 07 08 09 10

- * * * * * APPLE VALLEY
- * * * * * BURNSVILLE
- * * * * * EAGAN
- * * * * * FARMINGTON
- * * * * * HASTINGS
- * * * * * INVER GROVE HGTS.
- * * * * * LAKEVILLE
- * * * * * MENDOTA HEIGHTS
- * * * * * MIESVILLE VOL.
- * * * * * RANDOLPH
- * * * * * ROSEMOUNT
- * * * * * SOUTH METRO

DODGE COUNTY

(6) - 100% Reporting

- * * * * * CLAREMONT
- * * * * * DODGE CENTER
- * * * * * HAYFIELD
- * * * * * KASSON
- * * * * * MANTORVILLE
- * * * * * WEST CONCORD

DOUGLAS COUNTY

(10) - 100% Reporting

- * * * * * ALEXANDRIA
- * * * * * BRANDON
- * * * * * CARLOS
- * * * * * EVANSVILLE
- * * * * * FORADA
- * * * * * GARFIELD
- * * * * * KENSINGTON
- * * * * * LEAF VALLEY TWP.
- * * * * * MILLERVILLE
- * * * * * MILTONA
- * * * * * OSAKIS

FARIBAULT COUNTY

(11) - 100% Reporting

06 07 08 09 10

- * * * * * BLUE EARTH
- * * * * * BRICELYN
- * * * * * DELAVAN VOL.
- * * * * * EASTON VOL.
- * * * * * ELMORE
- * * * * * FROST
- * * * * * KIESTER
- * * * * * MINNESOTA LAKE
- * * * * * WALTERS VOL.
- * * * * * WELLS
- * * * * * WINNEBAGO VOL.

FILLMORE COUNTY

91% Reporting

- * * * * * CANTON
- * * * * * CHATFIELD
- * * * * * FOUNTAIN
- * * * * * HARMONY
- * * * * * LANESBORO
- * * * * * MABEL VOL.
- * * * * * PRESTON
- * * * * * RUSHFORD
- * * * * * SPRING VALLEY
- * * * * * WYKOFF
- * * * Ostrander

FREEBORN COUNTY

94% Reporting

- * * * * * ALBERT LEA
- * * * * * ALBERT LEA TWP.
- * * * * * ALDEN
- * * * * * CLARKS GROVE VOL.
- * * * * * CONGER
- * * * * * EMMONS
- * * * * * FREEBORN
- * * * * * GENEVA
- * * * * * GLENVILLE
- * * * * * HAYWARD
- * * * * * HOLLANDALE
- * * * * * LONDON
- * * * * * MANCHESTER
- * * * * * MYRTLE
- * * * * * TWIN LAKES
- * * * Hartland

GOODHUE COUNTY

(7) - 100% Reporting

06 07 08 09 10

- * * * * * CANNON FALLS
- * * * * * GOODHUE
- * * * * * KENYON
- * * * * * PINE ISLAND
- * * * * * RED WING
- * * * * * WANAMINGO
- * * * * * ZUMBROTA

GRANT COUNTY

(6) - 100% Reporting

- * * * * * ASHBY
- * * * * * BARRETT
- * * * * * ELBOW LAKE
- * * * * * HERMAN
- * * * * * HOFFMAN
- * * * * * WENDELL

HENNEPIN COUNTY

(30) - 100% Reporting

- * * * * * BLOOMINGTON
- * * * * * BROOKLYN CENTER
- * * * * * BROOKLYN PARK
- * * * * * DAYTON
- * * * * * EDEN PRAIRIE
- * * * * * EDINA
- * * * * * EXCELSIOR
- * * * * * GOLDEN VALLEY
- * * * * * HAMEL
- * * * * * HANOVER
- * * * * * HOPKINS
- * * * * * LONG LAKE
- * * * * * LORETTO VOL.
- * * * * * MAPLE GROVE
- * * * * * MAPLE PLAIN
- * * * * * MEDICINE LAKE
- * * * * * MINNEAPOLIS
- * * * * * MINNETONKA
- * * * * * MOUND
- * * * * * MPLS/ST. PAUL INT'L
AIRPORT
- * * * * * OSSEO
- * * * * * PLYMOUTH
- * * * * * RICHFIELD
- * * * * * ROBBINSDALE
- * * * * * ROGERS
- * * * * * ST. ANTHONY
- * * * * * ST. BONIFACIUS
- * * * * * ST. LOUIS PARK

06 07 08 09 10

- * * * * * WAYZATA
- * * * * * WEST METRO

HOUSTON COUNTY

(7) - 100% Reporting

- * * * * * BROWNSVILLE
- * * * * * CALEDONIA
- * * * * * EITZEN
- * * * * * HOKAH VOL.
- * * * * * HOUSTON
- * * * * * LACRESCENT
- * * * * * SPRING GROVE

HUBBARD COUNTY

80% Reporting

- * * * * * EAST HUBBARD CO.
- * * * * * LAPORTE/LAKEPORT
- * * * * * NEVIS
- * * * * * PARK RAPIDS
- * Lake George

ISANTI COUNTY

(4) - 100% Reporting

- * * * * * BRAHAM
- * * * * * CAMBRIDGE
- * * * * * DALBO
- * * * * * ISANTI VOL.

ITASCA COUNTY

(16) - 100% Reporting

- * * * * * BALSAM VOL.
- * * * * * BEARVILLE TWP.
- * * * * * BIGFORK VOL.
- * * * * * BOVEY
- * * * * * CALUMET
- * * * * * COHASSET
- * * * * * COLERAINE
- * * * * * DEER RIVER
- * * * * * GOODLAND
- * * * * * GRAND RAPIDS
- * * * * * KEEWATIN VOL.
- * * * * * MARBLE
- * * * * * NASHWAUK
- * * * * * SQUAW LAKE
- * * * * * TACONITE
- * * * * * WARBA

JACKSON COUNTY

(5) - 100% Reporting

06 07 08 09 10

- * * * * * ALPHA
- * * * * * HERON LAKE VOL.
- * * * * * **JACKSON**
- * * * * * LAKEFIELD
- * * * * * OKABENA

KANABEC COUNTY

(2) - 100% Reporting

- * * * * * **MORA**
- * * * * * OGILVIE

KANDIYOHI COUNTY

(11) - 100% Reporting

- * * * * * ATWATER
- * * * * * **BLOMKEST**
- * * * * * KANDIYOHI
- * * * * * LAKE LILLIAN
- * * * * * NEW LONDON
- * * * * * PENNOCK
- * * * * * PRINSBURG
- * * * * * RAYMOND
- * * * * * SPICER
- * * * * * SUNBURG
- * * * * * WILLMAR

KITTSOON COUNTY

(5) - 100% Reporting

- * * * * * HALLOCK
- * * * * * KARLSTAD VOL.
- * * * * * **KENNEDY**
- * * * * * LAKE BRONSON
- * * * * * LANCASTER

KOOCHICHING COUNTY

(6) - 100% Reporting

- * * * * * **BIG FALLS VOL.**
- * * * * * BIRCHDALE RURAL
- * * * * * INTERNATIONAL FALLS
- * * * * * LITTLEFORK
- * * * * * LOMAN RURAL
- * * * * * **NORTHOME**

LAC QUI PARLE COUNTY

(7) - 100% Reporting

06 07 08 09 10

- * * * * * BELLINGHAM
- * * * * * BOYD
- * * * * * DAWSON
- * * * * * LOUISBURG
- * * * * * **MADISON**
- * * * * * MARIETTA
- * * * * * NASSAU

LAKE COUNTY

(4) - 100% Reporting

- * * * * * BEAVER BAY VOL.
- * * * * * FINLAND
- * * * * * SILVER BAY
- * * * * * **TWO HARBORS**

LAKE OF THE WOODS CO.

(3) - 100% Reporting

- * * * * * BAUDETTE
- * * * * * NORTHWEST ANGLE
- * * * * * WILLIAMS

LESUEUR COUNTY

(8) - 100% Reporting

- * * * * * CLEVELAND
- * * * * * ELYSIAN
- * * * * * KASOTA
- * * * * * KILKENNY
- * * * * * LE CENTER
- * * * * * **LESUEUR**
- * * * * * MONTGOMERY
- * * * * * WATERVILLE

LINCOLN COUNTY

(5) - 100% Reporting

- * * * * * ARCO
- * * * * * HENDRICKS
- * * * * * IVANHOE
- * * * * * **LAKE BENTON**
- * * * * * TYLER

LYON COUNTY

(10) - 100% Reporting

06 07 08 09 10

- * * * * * BALATON
- * * * * * COTTONWOOD
- * * * * * GARVIN
- * * * * * GHENT
- * * * * * LYND
- * * * * * MARSHALL
- * * * * * MINNEOTA
- * * * * * RUSSELL
- * * * * * TAUNTON
- * * * * * TRACY

MCLEOD COUNTY

(8) - 100% Reporting

- * * * * * BROWNTON VOL.
- * * * * * GLENCOE
- * * * * * HUTCHINSON
- * * * * * LESTER PRAIRIE
- * * * * * PLATO
- * * * * * SILVER LAKE
- * * * * * STEWART
- * * * * * WINSTED

MAHNOMEN COUNTY

(3) - 100% Reporting

- * * * * * **MAHNOMEN**
- * * * * * TWIN LAKES VOL.
- * * * * * WAUBUN

MARSHALL COUNTY

(9) - 100% Reporting

- * * * * * ALVARADO VOL.
- * * * * * ARGYLE
- * * * * * GRYGLA
- * * * * * MIDDLE RIVER
- * * * * * NEWFOLDEN
- * * * * * OSLO
- * * * * * STEPHEN
- * * * * * **VIKING**
- * * * * * WARREN

MARTIN COUNTY

(10) - 100% Reporting

06 07 08 09 10
* * * * * CEYLON
* * * * * DUNNELL
* * * * * FAIRMONT
* * * * * **GRANADA**
* * * * * NORTHROP
* * * * * SHERBURN
* * * * * TRIMONT
* * * * * TRUMAN
* * * * * **WELCOME**

MEEKER COUNTY

(6) - 100% Reporting

* * * * * COSMOS
* * * * * DASSEL
* * * * * EDEN VALLEY
* * * * * GROVE CITY
* * * * * LITCHFIELD
* * * * * WATKINS

MILLE LACS COUNTY

(5) - 100% Reporting

* * * * * FORESTON
* * * * * ISLE
* * * * * **MILACA**
* * * * * ONAMIA
* * * * * PRINCETON

MORRISON COUNTY

(10) - 100% Reporting

* * * * * BOWLUS
* * * * * FLENSBURG
* * * * * LITTLE FALLS
* * * * * MOTLEY
* * * * * PIERZ
* * * * * RANDALL
* * * * * ROYALTON
* * * * * SCANDIA VALLEY
* * * * * SWANVILLE
* * * * * UPSALA

MOWER COUNTY

(9) - 100% Reporting

06 07 08 09 10
* * * * * ADAMS VOL.
* * * * * AUSTIN
* * * * * BROWNSDALE
* * * * * DEXTER VOL.
* * * * * GRAND MEADOW
* * * * * **LE ROY**
* * * * * LYLE
* * * * * MAPLEVIEW
* * * * * ROSE CREEK AREA

MURRAY COUNTY

88% Reporting

* * * * * AVOCA
* * * * * CHANDLER
* * * * * CURRIE
* * * * * DOVRAY
* * * * * FULDA
* * * * * IONA
* * * * * SLAYTON
* * * * * Lake Wilson

NICOLLET COUNTY

(5) - 100% Reporting

* * * * * **COURTLAND**
* * * * * LAFAYETTE
* * * * * NICOLLET
* * * * * NORTH MANKATO
* * * * * ST. PETER

NOBLES COUNTY

90% Reporting

* * * * * ADRIAN
* * * * * BIGELOW
* * * * * BREWSTER
* * * * * ELLSWORTH
* * * * * LISMORE
* * * * * ROUND LAKE
* * * * * RUSHMORE
* * * * * WILMONT
* * * * * WORTHINGTON
* * * * * Dundee

NORMAN COUNTY

(8) - 100% Reporting

06 07 08 09 10
* * * * * ADA
* * * * * BORUP
* * * * * GARY VOL.
* * * * * **HALSTAD**
* * * * * HENDRUM
* * * * * PERLEY-LEE TWP.
* * * * * SHELLY
* * * * * TWIN VALLEY

OLMSTED COUNTY

(7) - 100% Reporting

* * * * * BYRON
* * * * * DOVER
* * * * * EYOTA VOL.
* * * * * **ORONOCO**
* * * * * ROCHESTER
* * * * * ROCHESTER ARPT.
* * * * * STEWARTVILLE

OTTER TAIL COUNTY

(16) - 100% Reporting

* * * * * BATTLE LAKE
* * * * * BLUFFTON
* * * * * DALTON
* * * * * DEER CREEK
* * * * * DENT
* * * * * ELIZABETH
* * * * * FERGUS FALLS
* * * * * HENNING VOL.
* * * * * NEW YORK MILLS
* * * * * OTTERTAIL
* * * * * PARKERS PRAIRIE
* * * * * PELICAN RAPIDS VOL.
* * * * * **PERHAM**
* * * * * UNDERWOOD
* * * * * VERGAS
* * * * * VINING

PENNINGTON COUNTY

(3) - 100% Reporting

* * * * * GOODRIDGE AREA
* * * * * ST. HILAIRE
* * * * * THIEF RIVER FALLS

PINE COUNTY

82% Reporting

06 07 08 09 10
 * * * * * ASKOV VOL.
 * * * * * BROOK PARK
 * * * * * BRUNO
 * * * * * HINCKLEY VOL.
 * * * * * KERRICK
 * * * * * PINE CITY
 * * * * * SANDSTONE VOL.
 * * * * * STURGEON LAKE
 * * * * * WILLOW RIVER
 * * Duxbury
 Finlayson

PIPESTONE COUNTY

(6) - 100% Reporting

* * * * * EDGERTON
 * * * * * HOLLAND
 * * * * * JASPER
 * * * * * PIPESTONE
 * * * * * RUTHTON
 * * * * * WOODSTOCK

POLK COUNTY

92% Reporting

* * * * * BELTRAMI
 * * * * * CROOKSTON
 * * * * * EAST GRAND FORKS
 * * * * * ERSKINE
 * * * * * FERTILE
 * * * * * FISHER
 * * * * * FOSTON
 * * * * * MCINTOSH
 * * * * * MENTOR
 * * * * * NIELSVILLE
 * * * * * WINGER
 Climax

POPE COUNTY

(6) - 100% Reporting

* * * * * CYRUS
 * * * * * GLENWOOD
 * * * * * LOWRY
 * * * * * SEDAN
 * * * * * STARBUCK
 * * * * * VILLARD VOL.

RAMSEY COUNTY

(11) - 100% Reporting

06 07 08 09 10
 * * * * * FALCON HEIGHTS
 * * * * * FIRE MARSHAL
 CENTRAL OFFICE
 * * * * * LAKE JOHANNA
 * * * * * LITTLE CANADA
 * * * * * MAPLEWOOD
 * * * * * NEW BRIGHTON
 * * * * * NORTH ST. PAUL
 * * * * * ROSEVILLE
 * * * * * ST. PAUL
 * * * * * VADNAIS HEIGHTS
 * * * * * WHITE BEAR LAKE

RED LAKE COUNTY

(3) - 100% Reporting

* * * * * OKLEE
 * * * * * PLUMMER
 * * * * * RED LAKE FALLS

REDWOOD COUNTY

(14) - 100% Reporting

* * * * * BELVIEW
 * * * * * CLEMENTS
 * * * * * LAMBERTON
 * * * * * LUCAN
 * * * * * MILROY
 * * * * * MORGAN
 * * * * * REDWOOD FALLS
 * * * * * REVERE
 * * * * * SANBORN
 * * * * * SEAFORTH
 * * * * * VESTA
 * * * * * WABASSO VOL.
 * * * * * WALNUT GROVE
 * * * * * WANDA

RENVILLE COUNTY

(10) - 100% Reporting

* * * * * BIRD ISLAND
 * * * * * BUFFALO LAKE
 * * * * * DANUBE
 * * * * * FAIRFAX
 * * * * * FRANKLIN
 * * * * * HECTOR
 * * * * * MORTON
 * * * * * OLIVIA
 * * * * * RENVILLE
 * * * * * SACRED HEART

RICE COUNTY

(5) - 100% Reporting

06 07 08 09 10
 * * * * * FARIBAULT
 * * * * * LONSDALE
 * * * * * MORRISTOWN
 * * * * * NERSTRAND VOL.
 * * * * * NORTHFIELD

ROCK COUNTY

83% Reporting

* * * * * BEAVER CREEK
 * * * * * HARDWICK
 * * * * * HILLS
 * * * * * KENNETH VOL.
 * * * * * LUVERNE
 * * * * * Magnolia

ROSEAU COUNTY

(4) - 100% Reporting

* * * * * BADGER
 * * * * * GREENBUSH
 * * * * * ROSEAU
 * * * * * WARROAD

ST. LOUIS COUNTY

96% Reporting

* * * * * ALBORN
 * * * * * ARROWHEAD
 * * * * * AURORA
 * * * * * BABBITT VOL.
 * * * * * BIWABIK TWP. VOL.
 * * * * * BIWABIK VOL.
 * * * * * BREITUNG
 * * * * * BREVATOR
 * * * * * BRIMSON AREA VOL.
 * * * * * BUHL VOL.
 * * * * * CANOSIA VOL.
 * * * * * CENTRAL LAKES VOL.
 * * * * * CHERRY TWP.
 * * * * * CHISHOLM
 * * * * * CLIFTON
 * * * * * CLINTON VOL.
 * * * * * COLVIN TWP.
 * * * * * COOK
 * * * * * COTTON VOL.
 * * * * * CRANE LAKE
 * * * * * CULVER
 * * * * * DULUTH
 * * * * * EAGLES NEST

06 07 08 09 10

* * * * * ELLSBURG
 * * * * * ELMER
 * * * * * ELY
 * * * * * EMBARRASS VOL.
 * * * * * EVELETH
 * * * * * EVERGREEN
 * * * * * FAYAL
 * * * * * FLOODWOOD
 * * * * * FREDENBERG
 * * * * * FRENCH VOL.
 * * * * * GILBERT
 * * * * * GNESEN VOL.
 * * * * * GRAND LAKE VOL.
 * * * * * GREENWOOD TWP.
 * * * * * HERMANTOWN VOL.
 * * * * * HIBBING
 * * * * * HOYT LAKES
 * * * * * INDUSTRIAL VOL.
 * * * * * KABETOGAMA
 * * * * * KELSEY VOL.
 * * * * * KINNEY-GRT. SCOTT
 * * * * * LAKELAND VOL.
 * * * * * LAKEWOOD TWP.
 * * * * * MAKINEN
 * * * * * MC DAVITT
 * * * * * MC KINLEY VOL.
 * * * * * MEADOWLNDs AREA
 * * * * * MORSE-FALL LK. VOL.
 * * * * * MOUNTAIN IRON
 * * * * * NORMANNA VOL.
 * * * * * NORTH STAR TWP.
 * * * * * NORTHLAND
 * * * * * ORR VOL.
 * * * * * PALO TWP.
 * * * * * PEQUAYWAN LAKE
 * * * * * PIKE-SANDY-BRITT
 * * * * * PROCTOR
 * * * * * RICE LAKE VOL.
 * * * * * SILICA AREA
 * * * * * SOLWAY RURAL
 * * * * * TOIVOLA TWP.
 * * * * * TOWER
 * * * * * VERMILLION LAKE
 * * * * * VIRGINIA
 * * * * * Bois Forte
 * * * * * Buyck Comm. Vol.
 * * * * * Greaney-Rauch-
 * * * * * Silverdale

SCOTT COUNTY

(8) - 100% Reporting

06 07 08 09 10

* * * * * BELLE PLAINE
 * * * * * ELKO-NEW MARKET
 * * * * * JORDAN
 * * * * * MDEWAKANTON SIOUX
 * * * * * NEW PRAGUE
 * * * * * PRIOR LAKE
 * * * * * SAVAGE
 * * * * * SHAKOPEE

SHERBURNE COUNTY

(6) - 100% Reporting

* * * * * BECKER VOL.
 * * * * * BIG LAKE
 * * * * * CLEAR LAKE
 * * * * * ELK RIVER
 * * * * * NE. SHERBURNE
 * * * * * ZIMMERMAN-LIVONIA

SIBLEY COUNTY

(7) - 100% Reporting

* * * * * ARLINGTON
 * * * * * GAYLORD
 * * * * * GIBBON
 * * * * * GREEN ISLE
 * * * * * HENDERSON
 * * * * * NEW AUBURN
 * * * * * WINTHROP VOL.

STEARNS COUNTY

(24) - 100% Reporting

* * * * * ALBANY
 * * * * * AVON
 * * * * * BELGRADE
 * * * * * BROOTEN
 * * * * * COLD SPRING
 * * * * * ELROSA
 * * * * * FREEPORT
 * * * * * HOLDINGFORD
 * * * * * KIMBALL
 * * * * * LAKE HENRY
 * * * * * MELROSE
 * * * * * NEW MUNICH
 * * * * * PAYNESVILLE
 * * * * * RICHMOND
 * * * * * ROCKVILLE
 * * * * * SARTELL-LESAUK
 * * * * * SAUK CENTRE
 * * * * * ST. AUGUSTA

06 07 08 09 10

* * * * * ST. CLOUD
 * * * * * ST. JOHN'S UNIV.
 * * * * * ST. JOSEPH VOL.
 * * * * * ST. MARTIN
 * * * * * ST. STEPHEN
 * * * * * WAITE PARK

STEELE COUNTY

75% Reporting

* * * * * BLOOMING PRAIRIE
 * * * * * MEDFORD VOL.
 * * * * * OWATONNA
 * * * * * Ellendale Vol.

STEVENS COUNTY

(4) - 100% Reporting

* * * * * CHOKIO
 * * * * * DONNELLY
 * * * * * HANCOCK
 * * * * * MORRIS

SWIFT COUNTY

(7) - 100% Reporting

* * * * * APPLETON
 * * * * * BENSON
 * * * * * CLONTARF
 * * * * * DANVERS
 * * * * * DEGRAFF
 * * * * * KERKHOVEN
 * * * * * MURDOCK

TODD COUNTY

(8) - 100% Reporting

* * * * * BERTHA
 * * * * * BROWERVILLE
 * * * * * CLARISSA
 * * * * * EAGLE BEND
 * * * * * GREY EAGLE
 * * * * * HEWITT
 * * * * * LONG PRAIRIE
 * * * * * STAPLES

TRAVERSE COUNTY

(4) - 100% Reporting

* * * * * BROWNS VALLEY
 * * * * * DUMONT
 * * * * * TINTAH
 * * * * * WHEATON

WABASHA COUNTY

(7) - 100% Reporting

06	07	08	09	10	
*	*	*	*	*	ELGIN
*	*	*	*	*	KELLOGG
*	*	*	*	*	LAKE CITY
*	*	*	*	*	MAZEPPA VOL.
*	*	*	*	*	PLAINVIEW
*	*	*	*	*	WABASHA
*	*	*	*	*	ZUMBRO FALLS

WADENA COUNTY

(4) - 100% Reporting

*	*	*	*	MENAHGA
*	*	*	*	SEBEKA
*	*	*	*	VERNDALE
*	*	*	*	WADENA

WASECA COUNTY

(4) - 100% Reporting

*	*	*	*	JANESVILLE
*	*	*	*	NEW RICHLAND
*	*	*	*	WALDORF
*	*	*	*	WASECA

WASHINGTON COUNTY

(14) - 100% Reporting

*	*	*	*	BAYPORT
*	*	*	*	COTTAGE GROVE
*	*	*	*	FOREST LAKE
*	*	*	*	HUGO
*	*	*	*	LAKE ELMO
*	*	*	*	LOWER ST. CROIX VLY.
*	*	*	*	MAHTOMEDI
*	*	*	*	MARINE ON ST. CROIX
*	*	*	*	NEWPORT
*	*	*	*	OAKDALE
*	*	*	*	SCANDIA
*	*	*	*	ST. PAUL PARK VOL.
*	*	*	*	STILLWATER
*	*	*	*	WOODBURY

WATONWAN COUNTY

(8) - 100% Reporting

06	07	08	09	10	
*	*	*	*	*	BUTTERFIELD
*	*	*	*	*	DARFUR
*	*	*	*	*	LASALLE
*	*	*	*	*	LEWISVILLE
*	*	*	*	*	MADELIA
*	*	*	*	*	ODIN
*	*	*	*	*	ORMSBY
*	*	*	*	*	ST. JAMES

WILKIN COUNTY

50% Reporting

*	*	*	*	BRECKENRIDGE
*	*	*	*	ROTHSAY
*	*	*	*	WOLVERTON
*				Abercrombie
*	*	*		Campbell
		*		Foxhome

WINONA COUNTY

85% Reporting

*	*	*	*	ALTURA
*	*	*	*	DAKOTA
*	*	*	*	GOODVIEW
*	*	*	*	LEWISTON
*	*	*	*	MINNESOTA CITY
*	*	*	*	NODINE VOL.
*	*	*	*	PICKWICK AREA
*	*	*	*	RIDGEWAY COMM.
*	*	*	*	ROLLINGSTONE
*	*	*	*	ST. CHARLES
*	*	*	*	WINONA
				Hidden Valley
*	*	*	*	Wilson Vol.

WRIGHT COUNTY

(14) - 100% Reporting

06	07	08	09	10	
*	*	*	*	*	ALBERTVILLE
*	*	*	*	*	ANNANDALE
*	*	*	*	*	BUFFALO
*	*	*	*	*	CLEARWATER
*	*	*	*	*	COKATO
*	*	*	*	*	DELANO VOL.
*	*	*	*	*	HOWARD LAKE
*	*	*	*	*	MAPLE LAKE
*	*	*	*	*	MONTICELLO
*	*	*	*	*	MONTROSE
*	*	*	*	*	ROCKFORD
*	*	*	*	*	SOUTH HAVEN
*	*	*	*	*	ST. MICHAEL
*	*	*	*	*	WAVERLY

YELLOW MEDICINE COUNTY

(8) - 100% Reporting

*	*	*	*	CANBY
*	*	*	*	CLARKFIELD
*	*	*	*	ECHO
*	*	*	*	GRANITE FALLS
*	*	*	*	HANLEY FALLS
*	*	*	*	PORTER
*	*	*	*	ST. LEO
*	*	*	*	WOODLAKE

In 2010, 12 fire departments began/resumed participating in the MFIRS Program.

We welcome new and returning departments reporting in 2010:

Avoca

Goodland

Greenwood Twp.

Itasca Twp.

Manchester

Mapleview

Oslo

St. Leo

Twin Lakes Vol.

Vining

Warroad

Wolverton

FIRE DEPARTMENT RUNS, DOLLAR LOSSES, AND FIRE DEATHS PER COUNTY

In some instances, the protection district of the reporting fire department goes beyond its county boundary, but the incident will still be recorded within the department's home county. (*Fire rate = one fire per number of persons indicated. For example, in Aitkin County in 2010, there was one fire for every 445 people.*)

<u>County</u>	<u>Population</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Total Co. Dollar Loss</u>	<u>Fire Rate</u>	<u>Average Dollar Loss/Fire</u>	<u>Fire Deaths</u>
*Aitkin	16,031	44	72	\$1,407,000	445	\$39,083	
*Anoka	319,950	948	15,602	\$6,044,822	398	\$7,528	
Becker	31,817	200	346	\$812,520	209	\$5,346	
Beltrami	42,263	128	2,593	\$2,156,680	374	\$19,086	
*Benton	38,099	127	472	\$1,712,250	337	\$15,153	
*Big Stone	5,602	28	44	\$1,760,490	224	\$70,420	
*Blue Earth	57,409	217	2,626	\$2,448,600	288	\$12,305	
*Brown	26,763	57	134	\$2,013,700	558	\$41,952	2
*Carlton	33,639	235	2,966	\$595,520	196	\$3,462	
*Carver	82,122	163	2,308	\$759,305	679	\$6,275	
*Cass	28,460	154	282	\$748,150	235	\$5,306	
Chippewa	12,659	51	86	\$260	275	\$6	
*Chisago	48,349	206	688	\$881,000	327	\$5,953	
*Clay	52,905	163	3,048	\$1,905,454	362	\$13,051	
*Clearwater	8,437	63	63	\$5,600	162	\$108	
Cook	5,317	23	59	\$16,000	266	\$800	
*Cottonwood	11,961	38	30	\$322,500	386	\$10,403	
*Crow Wing	59,431	254	1,024	\$4,460,400	302	\$22,642	
*Dakota	379,058	794	15,416	\$16,828,544	511	\$22,680	
*Dodge	19,355	44	343	\$162,500	553	\$4,643	
*Douglas	34,628	156	402	\$1,489,500	260	\$11,199	
*Faribault	15,642	79	212	\$731,050	118	\$11,423	
Fillmore	21,321	88	134	\$437,000	296	\$6,069	
Freeborn	31,971	124	852	\$1,759,650	351	\$19,337	
*Goodhue	45,496	123	1,641	\$1,524,760	396	\$13,259	
*Grant	6,118	41	64	\$346,500	245	\$13,860	
*Hennepin	1,120,897	3,373	69,508	\$21,260,439	380	\$7,204	18
*Houston	19,890	74	392	\$639,000	368	\$11,833	1
Hubbard	18,849	90	50	\$1,713,600	239	\$21,691	
*Isanti	36,546	91	703	\$474,329	469	\$6,081	3
*Itasca	44,316	319	1,136	\$2,412,480	172	\$9,387	
*Jackson	11,234	48	107	\$180,000	261	\$4,186	
*Kanabec	16,056	49	40	\$1,147,145	335	\$23,899	
*Kandiyohi	41,191	153	461	\$1,127,800	355	\$9,722	
*Kittson	4,820	98	63	\$530,500	68	\$7,472	
*Koochiching	13,863	48	952	\$926,050	315	\$21,047	
*Lac Qui Parle	7,756	42	69	\$244,750	228	\$7,199	
*Lake	11,218	60	155	\$777,000	330	\$19,425	
*Lake of the Woods	4,404	18	9	\$343,500	294	\$22,900	
*LeSueur	27,166	70	361	\$1,167,500	522	\$22,452	
*Lincoln	6,178	26	18	\$51,000	412	\$3,400	
*Lyon	24,703	103	246	\$1,454,300	369	\$21,706	
*McLeod	5,081	114	965	\$3,891,650	398	\$42,765	
*Mahnommen	10,015	25	27	\$516,800	267	\$27,200	
*Marshall	21,044	82	115	\$328,000	147	\$4,824	

<u>County</u>	<u>Population</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Total Co. Dollar Loss</u>	<u>Fire Rate</u>	<u>Average Dollar Loss/Fire</u>	<u>Fire Deaths</u>
*Martin	36,190	65	169	\$240,800	397	\$4,543	
*Meeker	23,277	67	295	\$263,600	431	\$4,881	1
*Mille Lacs	25,079	136	362	\$1,131,200	226	\$10,191	
*Morrison	32,689	138	286	\$827,800	253	\$6,417	
*Mower	38,998	108	440	\$1,075,200	398	\$10,971	
Murray	8,995	63	63	\$323,125	191	\$6,875	
*Nicollet	30,829	67	300	\$292,900	593	\$5,633	
Nobles	20,477	66	245	\$2,120,400	394	\$37,864	1
*Norman	7,085	40	60	\$86,300	236	\$2,877	
*Olmsted	133,283	256	7,381	\$3,564,214	551	\$14,728	
*Otter Tail	57,931	248	751	\$3,138,260	299	\$16,177	2
*Pennington	13,545	68	151	\$236,000	205	\$3,576	
Pine	28,116	157	400	\$1,652,850	265	\$15,593	
*Pipestone	9,579	52	94	\$165,200	246	\$4,236	
Polk	31,123	182	1,199	\$606,150	181	\$3,524	
*Pope	11,227	51	149	\$164,750	288	\$4,224	
*Ramsey	499,498	1,777	24,638	\$14,072,906	288	\$8,111	3
*Red Lake	4,289	27	28	\$148,050	172	\$5,922	
*Redwood	16,201	53	55	\$261,000	450	\$7,250	
*Renville	16,701	68	66	\$37,550	304	\$683	
*Rice	60,418	143	1,876	\$1,301,440	432	\$9,296	
Rock	9,579	51	111	\$125,800	68	\$3,145	
*Roseau	16,308	65	77	\$189,600	259	\$3,010	2
St. Louis	114,794	999	15,576	\$9,203,595	250	\$11,591	2
*Scott	78,762	267	3,766	\$3,305,000	519	\$14,955	2
*Sherburne	15,230	207	1,255	\$553,470	492	\$3,459	
*Sibley	198,136	69	256	\$199,700	299	\$3,916	1
*Stearns	141,055	532	5,971	\$4,671,945	288	\$9,554	
Steele	35,166	98	530	\$453,415	391	\$5,038	
*Stevens	9,935	34	75	\$46,500	382	\$1,788	
*Swift	11,478	38	64	\$231,000	441	\$8,885	
*Todd	24,647	104	187	\$366,430	262	\$3,898	
*Traverse	3,871	32	22	\$93,600	41	\$4,070	
*Wabasha	22,215	78	289	\$1,184,500	342	\$18,223	
*Wadena	13,603	58	36	\$163,500	272	\$3,270	
*Waseca	19,270	55	387	\$345,400	438	\$7,850	1
*Washington	216,660	455	12,335	\$5,365,419	560	\$13,864	
*Watonwan	11,390	53	115	\$622,350	292	\$15,958	
Wilkin	6,784	17	70	\$103,500	565	\$8,625	
Winona	49,046	139	2,356	\$652,500	399	\$5,305	
*Wright	106,889	329	2,629	\$1,390,200	411	\$5,347	
*Yellow Medicine	10,580	48	60	\$699,600	246	\$16,270	
		<u>16,991</u>	<u>212,059</u>	<u>\$152,192,317</u>	<u>350</u>	<u>\$10,452</u>	<u>39</u>

*Indicates counties with 100% fire department participation

FIRE DEPARTMENT RESPONSES AND DOLLAR LOSS AS REPORTED BY MFIRS DATA

City	Total Fire Runs	Total Other Runs	Dollar Loss	City	Total Fire Runs	Total Other Runs	Dollar Loss	City	Total Fire Runs	Total Other Runs	Dollar Loss
ADA	6	21	\$0	BAYPORT	23	674	\$316,000	BROOKLYN CENTER	119	1,634	\$303,000
ADAMS	6	23	\$196,000	*BEAR CREEK	0	0	\$0	BROOKLYN PARK	271	5,846	\$859,890
ADRIAN	6	89	\$0	BEARDSLEY	3	3	\$190	BROOTEN	5	21	\$0
AITKIN	26	33	\$796,000	BEARVILLE TWP.	14	5	\$223,000	BROWERVILLE	16	38	\$0
ALASKA	7	2	\$10,000	BEAVER BAY	1	1	\$0	BROWNS VALLEY	9	7	\$93,600
ALBANY	10	112	\$0	BEAVER CREEK	11	20	\$9,600	BROWNSDALE	8	40	\$180,000
ALBERT LEA	43	594	\$176,550	BECKER	32	342	\$46,200	BROWNSVILLE	6	2	\$409,000
ALBERT LEA TWP.	6	56	\$6,000	BELGRADE	10	51	\$160,500	BROWNTON	8	73	\$0
ALBERTVILLE	22	235	\$0	BELLE PLAINE	24	117	\$0	BRUNO	5	3	\$90,000
ALBORN	10	34	\$80,000	BELLINGHAM	6	9	\$15,000	BUFFALO	42	181	\$417,500
ALDEN	9	75	\$47,000	BELTRAMI	5	9	\$0	BUFFALO LAKE	1	0	\$0
ALEXANDRIA	55	126	\$528,000	BELVIEW	0	4	\$0	BUHL	9	14	\$10
ALMELUND	16	65	\$107,000	BEMIDJI	98	2,558	\$1,978,950	BURNSVILLE	142	4,601	\$13,639,080
ALPHA	3	13	\$70,000	BENSON	14	34	\$55,000	BUTTERFIELD	7	2	\$252,500
ALTURA	8	13	\$460,000	BERTHA	10	39	\$0	BYRON	17	54	\$306,050
ALVARADO	15	23	\$0	BETHEL	10	17	\$1,000	CALEDONIA	25	39	\$124,000
AMBOY	6	38	\$0	BIG FALLS	1	22	\$70,600	CALLAWAY	9	3	\$0
ANDOVER	55	1,013	\$265,000	BIG LAKE	16	138	\$0	CALUMET	12	102	\$0
ANNANDALE	13	138	\$81,000	BIGELOW	1	0	\$0	CAMBRIDGE	36	100	\$0
ANOKA-CHAMPLIN	99	587	\$1,145,500	BIGFORK	18	29	\$0	*CAMP RIPLEY	0	0	\$0
APPLE VALLEY	58	1,275	\$655,500	BIRCHDALE	1	0	\$0	CANBY	15	12	\$197,000
APPLETON	7	12	\$176,000	BIRD ISLAND	14	6	\$0	CANNON FALLS	34	423	\$0
ARCO	1	0	\$0	BIWABIK	2	14	\$0	CANOSIA TWP.	17	77	\$5,000
ARGYLE	5	15	\$0	BIWABIK TWP.	8	12	\$0	CANTON	9	3	\$0
ARLINGTON	16	79	\$0	BLACKDUCK	14	14	\$122,230	CARLOS	4	0	\$90,000
ARROWHEAD	20	0	\$0	BLACKHOOF	9	0	\$60,000	CARLTON	23	65	\$50,000
ASHBY	13	4	\$0	BLOMKEST	9	10	\$578,000	CARSONVILLE	46	122	\$317,000
ASKOV	9	46	\$0	BLOOMING PRAIRIE	16	23	\$259,000	CARVER	13	117	\$0
ATWATER	10	27	\$31,500	BLOOMINGTON	180	991	\$1,578,200	CASS LAKE	52	38	\$0
AUDUBON	13	14	\$13,000	BLUE EARTH	18	89	\$317,350	CENTENNIAL	45	980	\$1,000
AURORA	12	22	\$410,000	BLUFFTON	10	9	\$0	CENTER CITY	6	10	\$0
AUSTIN	65	317	\$351,200	BORUP	5	9	\$70,300	CENTRAL LAKES	2	0	\$10,000
AVOCA	4	2	\$0	BOVEY	11	103	\$0	*CEYLON	0	0	\$0
AVON	12	138	\$13,000	BOWLUS	8	2	\$52,500	CHANDLER	4	10	\$45,000
BABBITT	25	26	\$3,500	BOYD	9	16	\$0	CHANHASSEN	32	613	\$60,000
BACKUS	12	15	\$0	BRAHAM	1	8	\$0	CHASKA	26	433	\$30,000
BADGER	7	4	\$5,000	BRAINERD	91	403	\$1,589,700	CHATFIELD	14	40	\$2,500
BAGLEY	23	14	\$0	BRANDON	7	59	\$125,000	CHERRY TWP.	15	4	\$5,000
BALATON	5	16	\$0	BRECKENRIDGE	6	11	\$0	CHISAGO CITY	19	49	\$10,000
BALSAM VOL.	14	68	\$25,000	BREITUNG TWP.	2	10	\$0	CHISHOLM	23	84	\$27,250
BARNESVILLE	24	38	\$1,094,600	BREVATOR TWP.	4	2	\$2,150	CHOKIO	10	9	\$0
BARNUM	10	38	\$0	BREWSTER	7	31	\$10,100	CLARA CITY	10	33	\$0
BARRETT	1	8	\$0	BRICELYN	8	6	\$23,000	CLAREMONT	9	11	\$15,000
BATTLELAKE	7	7	\$0	BRIMSON	2	22	\$0	CLARISSA	11	12	\$0
BAUDETTE	11	6	\$343,500	BROOK PARK	11	3	\$0	CLARKFIELD	6	7	\$40,600

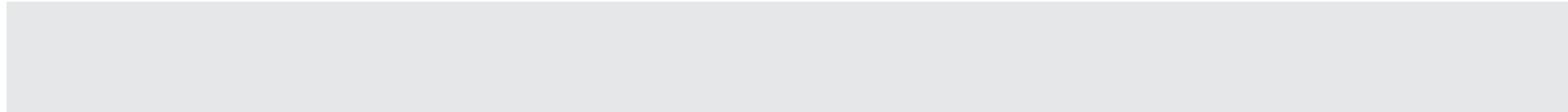
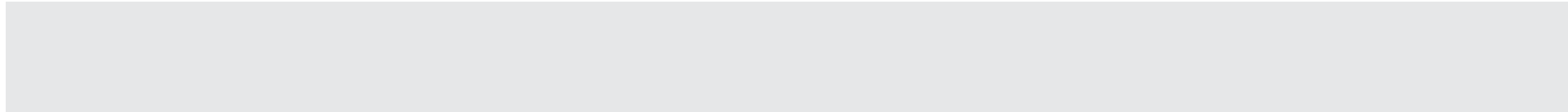
<u>City</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Dollar Loss</u>	<u>City</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Dollar Loss</u>	<u>City</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Dollar Loss</u>
CLARKS GROVE	3	0	\$0	DAYTON	7	166	\$0	ERSKINE	17	86	\$0
CLEAR LAKE	26	178	\$394,500	DEER CREEK	9	37	\$0	EVANSVILLE	15	5	\$0
CLEARBROOK	21	46	\$0	DEER RIVER	34	36	\$121,100	EVELETH	15	83	\$0
CLEARWATER	16	214	\$16,700	DEERWOOD	15	23	\$45,000	EVERGREEN	4	7	\$0
CLEMENTS	2	2	\$0	DEGRAFF	6	0	\$0	EXCELSIOR	32	700	\$5,000
CLEVELAND	11	54	\$0	DELANO	28	423	\$126,000	EYOTA	11	39	\$0
CLIFTON TWP.	5	12	\$0	DELAVAN	3	1	\$51,000	FAIRFAX	4	11	\$31,200
CLINTON	5	3	\$755,000	DENT	17	75	\$390,000	FAIRMONT	39	123	\$179,300
CLINTON TWP.	12	16	\$0	DETROIT LAKES	45	145	\$370,000	FALCON HGTS.	17	91	\$500
CLONTARF	1	1	\$0	DEXTER	1	0	\$180,000	FARIBAULT	67	1,675	\$401,440
CLOQUET AREA	59	2,128	\$451,020	DILWORTH	17	19	\$0	FARMINGTON	44	471	\$241,200
COHASSET	35	173	\$181,500	DODGE CENTER	13	155	\$147,500	FAYAL	13	101	\$187,000
COKATO	19	65	\$0	DONNELLY	7	17	\$36,500	FEDERAL DAM	0	1	\$0
COLD SPRING	15	301	\$3,000	DOVER	14	26	\$9,000	FELTON	5	1	\$240,000
COLERAINE	8	100	\$88,000	DOVRAY	9	9	\$11,525	FERGUS FALLS	38	164	\$1,053,350
COLOGNE	8	87	\$0	DULUTH	292	7,425	\$3,664,526	FERTILE	24	16	\$2,500
COLUMBIA HGTS.	72	2,441	\$488,500	DUMONT	6	1	\$0	FIFTY LAKES	1	1	\$700,000
COLVILL AREA	3	18	\$0	DUNNELL	0	1	\$0	FINLAND	10	14	\$0
COLVIN TWP.	5	1	\$0	EAGAN	91	1,043	\$706,700	FISHER	4	16	\$6,000
COMFREY	5	6	\$50,500	EAGLE BEND	9	0	\$0	*FLENSBURG	0	0	\$0
CONGER	4	2	\$1,000	EAGLE LAKE	12	85	\$0	FLOODWOOD	19	28	\$1,415,400
COOK	20	24	\$12,000	EAGLES NEST	3	2	\$0	FOLEY	52	180	\$596,000
COON RAPIDS	124	4,594	\$760,075	EAST BETHEL	41	504	\$144,950	FORADA TWP.	8	39	\$87,500
*CORRELL	0	0	\$0	EAST GRAND FORKS	21	705	\$80,000	FOREST LAKE	45	365	\$275,000
COSMOS	5	18	\$178,500	EAST HUBBARD CO.	12	9	\$154,000	FORESTON	12	68	\$0
COTTAGE GROVE	50	2,197	\$300,000	EASTON	1	14	\$5,000	FOSSTON	20	41	\$17,500
COTTON VOL.	13	6	\$0	ECHO	0	2	\$0	FOUNTAIN	2	3	\$0
COTTONWOOD	21	23	\$722,300	EDEN PRAIRIE	33	2,500	\$11,150	FRANKLIN	4	3	\$0
COURTLAND	11	40	\$4,900	EDEN VALLEY	15	38	\$0	FRAZEE	34	29	\$111,520
CRANE LAKE	3	11	\$0	EDGERTON	7	14	\$0	FREDENBERG TWP.	6	45	\$8,500
CROMWELL VOL.	18	14	\$0	EDINA	92	4,419	\$427,189	FREEBORN	6	8	\$3,500
CROOKED LAKE TWP.	9	20	\$0	EITZEN	9	29	\$0	FREEPORT	4	0	\$0
CROOKSTON	67	262	\$436,650	ELBOW LAKE	8	34	\$7,000	FRENCH TWP.	7	5	\$7,000
CROSBY	17	37	\$74,000	ELBOW-TULABY LKS.	1	3	\$0	FRIDLEY	116	2,772	\$662,226
CROSSLAKE	18	225	\$1,030,000	ELGIN	9	20	\$0	FROST	3	12	\$80,000
CULVER	15	5	\$571,200	ELIZABETH	10	50	\$20,000	FULDA	20	16	\$0
CURRIE	9	6	\$127,600	ELK RIVER	58	385	\$102,770	GARFIELD	8	61	\$7,500
CUYUNA	1	0	\$0	ELLSBURG	4	12	\$25,000	GARRISON	25	163	\$0
CYRUS	1	0	\$30,000	ELLSWORTH	8	27	\$37,800	GARVIN	2	0	\$0
DAKOTA	5	83	\$0	ELMER	1	0	\$0	GARY	7	2	\$0
DALBO	13	62	\$0	ELMORE	6	1	\$0	GAYLORD	10	34	\$10,000
DALTON	11	54	\$50,000	ELROSA	9	19	\$0	GENEVA	8	38	\$180,000
DANUBE	3	0	\$0	ELY	7	216	\$256,000	GHENT	5	17	\$0
DANVERS	3	0	\$0	ELYSIAN	9	52	\$188,000	GIBBON	12	3	\$169,700
DARFUR	3	11	\$0	EMBARRASS	12	56	\$1,000	GILBERT	7	7	\$0
DASSEL	18	198	\$17,100	EMILY	9	12	\$0	GLENCOE	14	91	\$116,000
DAWSON	14	29	\$0	EMMONS	8	39	\$7,500	GLENVILLE	0	2	\$0

<u>City</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Dollar Loss</u>	<u>City</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Dollar Loss</u>	<u>City</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Dollar Loss</u>
GLENWOOD	23	83	\$54,700	HERMAN	10	1	\$339,000	KENNETH	3	0	\$0
GLYNDON	16	24	\$67,675	HERMANTOWN	42	535	\$27,000	KENSINGTON	12	16	\$301,000
GNESEN TWP.	5	10	\$0	HERON LAKE	14	20	\$0	KENYON	11	21	\$0
GOLDEN VALLEY	49	665	\$100	HEWITT	5	0	\$41,600	KERKHOVEN	7	16	\$0
GONVICK	9	0	\$0	HIBBING	86	2,543	\$471,475	KERRICK	3	0	\$0
GOOD THUNDER	6	51	\$41,000	HILL CITY	10	12	\$330,000	KETTLE RIVER	19	6	\$26,000
GOODHUE	14	11	\$209,000	HILLS	8	7	\$0	KIESTER	5	2	\$1,200
GOODLAND TWP.	7	2	\$0	HINCKLEY	37	46	\$289,000	KILKENNY	4	0	\$0
GOODRIDGE	16	2	\$1,000	HITTERDAL	3	2	\$1,000	KIMBALL	9	107	\$0
GOODVIEW	3	30	\$0	HOFFMAN	5	1	\$0	KINNEY-GREAT SCOTT	3	2	\$0
GRACEVILLE	8	19	\$1,005,300	HOKAH	7	38	\$0	LACRESCENT	13	252	\$31,000
*GRANADA	0	0	\$0	HOLDINGFORD	7	69	\$0	LAFAYETTE	5	20	\$0
GRAND LAKE TWP.	19	122	\$0	HOLLAND	6	2	\$0	LAKE BENTON	9	6	\$0
GRAND MARAIS	4	11	\$0	HOLLANDALE	14	6	\$994,600	LAKE BRONSON	20	7	\$500
GRAND MEADOW	11	36	\$120,000	HOPKINS	39	1,049	\$147,800	LAKE CITY	18	77	\$715,000
*GRAND PORTAGE	0	0	\$0	HOUSTON	5	18	\$75,000	LAKE CRYSTAL	24	56	\$188,400
GRAND RAPIDS	77	184	\$1,157,680	HOVLAND	1	9	\$0	LAKE ELMO	14	347	\$70,000
GRANITE FALLS	12	23	\$297,000	HOWARD LAKE	12	68	\$1,000	LAKE HENRY	4	3	\$500
GREEN ISLE	6	29	\$20,000	HOYT LAKES	9	2	\$75,000	LAKE JOHANNA	56	1,484	\$1,998,555
GREENBUSH	12	15	\$13,500	HUGO	26	346	\$0	LAKE LILLIAN	7	14	\$0
GREENWOOD TWP.	3	137	\$0	HUTCHINSON	56	380	\$3,634,100	LAKE PARK	15	21	\$0
GREY EAGLE	4	0	\$80,500	IDEAL TWP.	18	13	\$214,700	LAKEFIELD	10	27	\$110,000
GROVE CITY	7	18	\$0	INDUSTRIAL	7	34	\$40,000	LAKELAND TWP.	28	39	\$31,700
GRYGLA	4	0	\$245,000	INTERNATIONAL FLS.	27	904	\$812,200	LAKEVILLE	88	741	\$819,075
GUNFLINT TRAIL	3	0	\$15,000	INVER GROVE HGTS.	87	1,170	\$1,700	LAKEWOOD TWP.	11	57	\$31,100
HACKENSACK	7	10	\$0	IONA	3	0	\$0	LAMBERTON	11	0	\$4,600
HALLOCK	14	18	\$530,000	IRONTON	5	0	\$78,000	LANCASTER	29	2	\$0
HALSTAD	3	9	\$0	ISANTI	41	533	\$474,329	LANESBORO	1	9	\$0
HAM LAKE	41	362	\$60,200	ISLE	22	23	\$503,700	LAPORTE/LAKEPORT	15	6	\$147,600
HAMBURG	10	38	\$10,000	ITASCA TWP.	2	0	\$5,000	LASALLE	1	1	\$0
HAMEL	24	175	\$0	IVANHOE	4	0	\$0	LEAF VALLEY TWP.	1	7	\$50,000
HANCOCK	3	3	\$10,000	JACKSON	18	44	\$0	LECENTER	12	45	\$0
HANLEY FALLS	7	4	\$110,000	JACOBSON	4	24	\$51,000	LEROY	13	11	\$0
HANOVER	15	120	\$0	JANESVILLE	21	165	\$41,000	LESTER PRAIRIE	16	90	\$15,550
HANSKA	3	11	\$0	JASPER	6	13	\$70,000	LESUEUR	9	31	\$745,000
HARDWICK	5	16	\$116,200	JEFFERS	8	3	\$0	LEWISTON	26	25	\$8,000
HARMONY	8	12	\$25,500	JORDAN	21	97	\$0	LEWISVILLE	5	0	\$0
HARRIS	8	1	\$18,000	KABETOGEMA	1	4	\$0	LEXINGTON	15	186	\$50
HASTINGS	77	442	\$181,350	KANDIYOHI	9	50	\$0	LINDSTROM	17	34	\$0
HAWLEY	17	32	\$200,000	KARLSTAD	26	26	\$0	LINWOOD TWP.	19	166	\$2,500
HAYFIELD	7	37	\$0	KASOTA	8	20	\$0	LISMORE	4	3	\$0
HAYWARD	4	0	\$0	KASSON	10	41	\$0	LITCHFIELD	17	17	\$60,500
HECTOR	11	15	\$0	KEEWATIN	20	73	\$87,000	LITTLE CANADA	36	149	\$1,036,750
HENDERSON	11	64	\$0	KELLIHER	5	7	\$19,000	LITTLE FALLS	34	61	\$380,000
HENDRICKS	6	6	\$51,000	KELLOGG	8	2	\$157,000	LITTLEFORK	10	14	\$43,250
HENDRUM	2	4	\$0	*KELSEY	0	0	\$0	LOMAN	1	0	\$0
HENNING	13	8	\$85,500	KENNEDY	9	10	\$0	LONDON TWP.	6	7	\$13,500

<u>City</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Dollar Loss</u>	<u>City</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Dollar Loss</u>	<u>City</u>	<u>Total Fire Runs</u>	<u>Total Other Runs</u>	<u>Dollar Loss</u>
LONG LAKE	20	426	\$0	MELROSE	16	58	\$22,000	NEW RICHLAND	4	73	\$40,000
LONG PRAIRIE	30	67	\$81,830	MENAHGA	6	1	\$3,000	NEW ULM	20	74	\$425,000
LONGVILLE	13	13	\$75,000	MENDOTA HGTS.	10	195	\$76,500	NEW YORK MILLS	21	127	\$0
LONSDALE	14	0	\$0	MENTOR	13	59	\$1,500	NEWFOLDEN	16	18	\$0
LORETTO	20	196	\$0	MIDDLE RIVER	1	0	\$0	NEWPORT	20	89	\$137,000
*LOUISBURG	0	0	\$0	MIESVILLE	12	46	\$15,000	NICOLLET	10	81	\$0
LOWER ST. CROIX VLY.	20	421	\$100,000	MILACA	30	55	\$57,000	NIELSVILLE	1	0	\$0
LOWRY	4	10	\$50	MILAN	8	2	\$0	NISSWA	22	36	\$488,000
LUCAN	4	2	\$0	MILLERVILLE	12	4	\$0	NODINE	3	83	\$0
LUTSEN	9	12	\$1,000	MILROY	6	0	\$0	NORMANNA TWP.	2	16	\$0
LUVERNE	24	68	\$0	MILTONA	16	53	\$7,000	NORTH BRANCH	37	108	\$0
LYLE	3	4	\$48,000	MINNEAPOLIS	1,392	32,209	\$11,918,235	NORTH MANKATO	27	105	\$0
LYND	3	0	\$0	MINNEOTA	18	20	\$732,000	NORTH ST. PAUL	17	384	\$56,000
MABEL	9	6	\$110,000	MINNESOTA CITY	2	6	\$0	NORTH STAR TWP.	3	4	\$0
MADELIA	15	17	\$198,250	MINNESOTA LAKE	6	27	\$0	NE. SHERBURNE	29	63	\$10,000
MADISON	7	14	\$4,250	MINNETONKA	72	1,424	\$0	NORTHFIELD	52	195	\$796,000
MADISON LAKE	12	85	\$481,800	MISSION TWP.	8	79	\$15,000	NORTHLAND TWP.	7	12	\$0
MAHNOMEN	17	9	\$6,500	MONTEVIDEO	26	46	\$0	NORTHOME	8	12	\$0
MAHTOMEDI	23	820	\$253,000	MONTGOMERY	11	30	\$233,000	NORTHRUP	0	7	\$0
MAHTOWA	23	54	\$0	MONTICELLO	51	231	\$0	NORTHWEST ANGLE	1	0	\$0
MAKINEN	4	1	\$0	MONTROSE	17	146	\$225,000	NORWOOD-YNG. AMER.	14	197	\$8,500
MANCHESTER	9	19	\$0	MOORHEAD	71	2,916	\$302,179	OAK GROVE	53	141	\$354,000
MANKATO	119	2,048	\$1,524,150	MOOSE LAKE	28	277	\$0	OAKDALE	67	1,832	\$5,000
MANTORVILLE	3	93	\$0	MORA	31	36	\$358,645	*ODESSA	0	0	\$0
MAPLE GROVE	110	853	\$1,963,934	MORGAN	5	0	\$149,250	ODIN	7	25	\$1,600
MAPLE HILL	1	8	\$0	MORRIS	14	46	\$0	OGEMA	17	6	\$0
MAPLE LAKE	25	74	\$313,000	MORRISTOWN	7	4	\$4,000	OGILVIE	18	4	\$788,500
MAPLE PLAIN	13	231	\$0	MORSE FALL LAKE	4	5	\$0	OKABENA	3	3	\$0
MAPLETON	9	112	\$0	MORTON	5	2	\$0	OKLEE	12	5	\$750
MAPLEVIEW	1	3	\$0	MOTLEY	19	116	\$3,000	OLIVIA	12	12	\$1,200
MAPLEWOOD	80	3,739	\$943,000	MOUND	35	542	\$537,000	ONAMIA	23	42	\$27,500
MARBLE	12	135	\$0	MOUNTAIN IRON	3	7	\$0	ORMSBY	6	12	\$0
MARIETTA	5	1	\$225,500	MOUNTAIN LAKE	3	0	\$70,000	ORONOCO	2	44	\$0
MARINE ON ST. CROIX	11	215	\$267,000	MPLS./STP. INT'L. ARPT.	51	2,473	\$42,700	ORR	6	7	\$283,500
MARSHALL	25	131	\$0	MURDOCK	0	1	\$0	ORTONVILLE	12	19	\$0
MAYER	9	63	\$20,000	MYRTLE	2	5	\$330,000	OSAKIS	18	32	\$293,500
MAYNARD	7	5	\$260	NASHWAUK	36	27	\$524,200	OSLO	5	11	\$0
MAZEPPA	11	6	\$231,500	NASSAU	1	0	\$0	OSSEO	26	317	\$0
MCDAVITT	1	15	\$0	NERSTRAND	3	2	\$100,000	OTTERTAIL	0	1	\$0
MCGRATH	3	0	\$0	NEVIS	16	0	\$1,292,000	OWATONNA	72	419	\$194,415
MCGREGOR	0	2	\$0	NEW AUBURN	4	24	\$0	PALISADE	1	1	\$230,000
MCINTOSH	7	3	\$0	NEW BRIGHTON	94	258	\$1,457,005	PALO TWP.	18	56	\$61,000
MCKINLEY	2	0	\$0	NEW GERMANY	5	42	\$26,000	PARK RAPIDS	47	35	\$120,000
MDEWAKANTON SIOUX	19	2,048	\$5,000	NEW LONDON	16	58	\$0	PARKERS PRAIRIE	8	17	\$395,310
MEADOWLANDS	9	4	\$0	NEW MARKET	31	217	\$0	PAYNESVILLE	21	38	\$567,035
MEDFORD	10	88	\$0	NEW MUNICH	0	1	\$0	PELICAN RAPIDS	28	28	\$8,000
MEDICINE LAKE	1	10	\$0	NEW PRAGUE	36	115	\$0	PEMBERTON	1	0	\$0

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PENNOCK	4	4	\$0	ROSEMOUNT	43	583	\$0	ST. AUGUSTA	5	70	\$0
PEQUAYWAN LAKE	2	0	\$0	ROSEVILLE	99	4,012	\$842,500	ST. BONIFACIUS	19	147	\$0
PEQUOT LAKES	24	32	\$226,000	ROTHSAY	11	58	\$103,500	ST. CHARLES	13	41	\$0
PERHAM	36	89	\$116,000	ROUND LAKE	6	0	\$0	ST. CLAIR	11	93	\$8,250
PERLEY-LEE TWP.	3	0	\$0	ROYALTON	15	16	\$185,000	ST. CLOUD	250	3,750	\$2,392,910
PICKWICK AREA	8	47	\$500	RUSH CITY	29	21	\$0	ST. FRANCIS	28	369	\$23,299
PIERZ	27	22	\$170,300	RUSHFORD	10	29	\$98,000	ST. HILLAIRE	10	35	\$0
PIKE-SANDY-BRITT	13	85	\$181,390	RUSHMORE	10	19	\$2,025,000	ST. JAMES	9	47	\$170,000
PILLAGER	17	147	\$464,150	RUSSELL	5	0	\$0	ST. JOHN'S UNIV.	4	399	\$0
PINE CITY	41	103	\$866,600	RUTHTON	3	2	\$4,000	ST. JOSEPH	18	241	\$485,000
PINE ISLAND	12	228	\$0	SABIN-ELMWOOD	4	8	\$0	ST. LEO	1	0	\$0
PINE RIVER	20	13	\$164,000	SACRED HEART	9	3	\$0	ST. LOUIS PARK	134	4,340	\$742,072
PIPESTONE	25	60	\$90,700	SANBORN	3	1	\$0	ST. MARTIN	8	26	\$230,000
PLAINVIEW	9	24	\$0	SANDSTONE	25	62	\$0	ST. MICHAEL	23	269	\$0
PLATO	4	42	\$0	SARTELL/LESAUK	31	111	\$5,000	ST. PAUL	1,275	13,261	\$6,940,246
PLUMMER	5	9	\$17,300	SAUK CENTRE	27	67	\$430,000	ST. PAUL PARK	20	80	\$1,300
PLYMOUTH	162	1,246	\$452,550	SAUK RAPIDS	48	161	\$441,000	ST. PETER	14	54	\$288,000
PORTER	4	12	\$0	SAVAGE	27	292	\$372,000	ST. STEPHEN	4	76	\$2,000
PRESTON	10	6	\$0	SCANDIA	22	203	\$731,500	STACY	31	28	\$505,000
PRINCETON	49	174	\$543,000	SCANDIA VALLEY	8	7	\$1,000	STAPLES	19	31	\$162,500
PRINSBURG	2	4	\$0	SCANLON	14	127	\$2,000	STARBUCK	16	40	\$0
PRIOR LAKE	34	398	\$800,000	SEAFORTH	1	0	\$0	STEPHEN	12	29	\$7,700
PROCTOR	13	251	\$161,500	SEBEKA	16	14	\$10,500	STEWART	3	4	\$126,000
RAMSEY	58	419	\$0	*SEDAN	0	0	\$0	STEWARTVILLE	24	99	\$1,337,000
RANDALL	14	60	\$0	SHAFFER	10	56	\$0	STILLWATER	61	1,525	\$512,450
RANDOLPH-HAMPTON	18	121	\$45,100	SHAKOPEE	75	482	\$2,128,000	STORDEN	4	0	\$162,500
RANGE REGIONAL ARPT.	0	1	\$0	SHELLY	4	7	\$0	STURGEON LAKE	12	34	\$0
RAYMOND	8	19	\$10,000	SHERBURN	5	17	\$6,000	SUNBURG	8	4	\$0
RED LAKE FALLS	10	14	\$130,000	SHEVLIN	8	3	\$600	SWANVILLE	3	0	\$36,000
RED WING	33	916	\$1,295,260	SILICA AREA	5	10	\$0	TACONITE	5	23	\$5,000
REDWOOD FALLS	8	30	\$0	SILVER BAY	14	52	\$0	TAUNTON	1	0	\$0
REMER	11	8	\$45,000	SILVER LAKE	5	119	\$0	TAYLORS FALLS	3	0	\$0
RENVILLE	5	14	\$5,150	*SKYLINE	0	0	\$0	THIEF RIVER FALLS	42	114	\$235,000
RICE	27	131	\$675,250	SLAYTON	14	20	\$139,000	THOMSON TWP./ESKO	7	174	\$0
RICE LAKE TWP.	12	149	\$88,000	SLEEPY EYE	20	16	\$624,200	TINTAH	4	5	\$0
RICHFIELD	119	3,658	\$835,923	SOLWAY	4	12	\$26,500	TOFTE	2	1	\$0
RICHMOND	16	122	\$0	SOLWAY TWP.	9	69	\$24,074	TOIVOLA TWP.	4	0	\$0
RIDGEWAY COMM.	10	11	\$0	SOUTH BEND	12	31	\$120,000	TOWER	2	4	\$0
ROBBINSDALE	70	252	\$0	SOUTH HAVEN	15	67	\$0	TRACY	18	39	\$0
ROCHESTER ARPT.	1	31	\$0	SOUTH METRO	124	4,728	\$447,339	TRIMONT	3	8	\$54,500
ROCHESTER	187	7,088	\$1,912,164	SPICER	19	28	\$0	TRUMAN	11	12	\$0
ROCKFORD	14	292	\$0	SPRING GROVE	9	14	\$0	TWIN LAKES	5	2	\$0
ROCKVILLE	8	74	\$0	SPRING LAKE PARK	172	1,051	\$2,136,522	TWIN VALLEY	10	8	\$16,000
ROGERS	33	363	\$0	SPRING VALLEY	18	23	\$201,000	TWO HARBORS	35	88	\$777,000
ROLLINGSTONE	5	4	\$500	SPRINGFIELD	9	27	\$914,000	TYLER	6	6	\$0
ROSE CREEK	0	6	\$0	SQUAW LAKE	6	41	\$0	ULEN	6	8	\$0
ROSEAU	24	33	\$171,100	ST. ANTHONY	34	1,169	\$29,606	UNDERWOOD	13	69	\$0

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UPSALA	10	2	\$0	WANAMINGO	13	11	\$0	WILLOW RIVER	14	103	\$407,250
USS EMER. SVCS.	6	24	\$0	WANDA	1	1	\$5,500	WILMONT	4	0	\$0
VADNAIS HGTS.	24	772	\$500,000	WARBA	10	35	\$0	WINDOM	15	23	\$90,000
VERGAS	24	16	\$1,020,100	WARREN	23	18	\$75,300	WINGER	3	2	\$62,000
VERMILLION LAKE	10	11	\$92,400	WARROAD	22	25	\$0	WINNEBAGO	12	32	\$35,000
VERNDALE	14	0	\$55,000	WASECA	25	120	\$233,400	WINONA	56	2,013	\$183,500
VERNON CENTER	5	27	\$85,000	WATERTOWN	17	254	\$135,055	WINSTED	8	166	\$0
VESTA	3	2	\$0	WATERVILLE	6	129	\$1,500	WINTHROP	10	23	\$0
VICTORIA	11	191	\$423,000	WATKINS	5	6	\$7,500	WOLF LAKE	20	3	\$1,000
VIKING	1	1	\$0	WAUBUN	5	17	\$510,300	WOOD LAKE	3	0	\$55,000
VILLARD	7	16	\$80,000	WAVERLY	17	106	\$210,000	WOLVERTON	0	1	\$0
VINING	3	0	\$0	WAYZATA	25	247	\$0	WOODBURY	53	3,221	\$2,397,169
VIRGINIA	36	2,977	\$944,920	WELCOME	7	1	\$1,000	WOODSTOCK	5	3	\$500
WABASHA	12	72	\$0	WELLS	12	28	\$184,000	WORTHINGTON	20	76	\$47,500
WABASSO	2	6	\$100	WENDELL	4	16	\$500	WRENSHALL	12	63	\$6,500
WACONIA	18	273	\$46,750	WEST CONCORD	2	6	\$0	WRIGHT	13	20	\$0
WADENA	22	21	\$95,000	WEST METRO	191	1,260	\$1,406,090	WYKOFF	7	3	\$0
WAITE PARK	39	117	\$361,000	WESTBROOK	8	4	\$0	WYOMING	30	316	\$241,000
WALDORF	5	29	\$31,000	WHEATON	13	9	\$0	ZIMMERMAN-LIVONIA	46	149	\$0
WALKER	13	17	\$0	WHITE BEAR LAKE	79	488	\$298,350	ZUMBRO FALLS	11	88	\$81,000
WALNUT GROVE	7	7	\$101,550	WILLIAMS	6	3	\$0	ZUMBROTA	6	31	\$20,500
WALTERS	5	0	\$34,500	WILLMAR	61	243	\$508,300				



*These fire departments reported as having no fire/nonfire runs for 2010.

NON-REPORTING FIRE DEPARTMENTS

ABERCROMBIE

BOIS FORTE

BUYCK COMMUNITY

CAMPBELL

CLIMAX

DUNDEE

DUXBURY

ELLENDALE

FINLAYSON

FOXHOME

GREANEY-RAUCH-SILVERDALE

HARTLAND

HIDDEN VALLEY

LAKE GEORGE

LAKE WILSON

MAGNOLIA

OSTRANDER

RED LAKE

SCHROEDER

WATSON

WHITE EARTH

WILSON