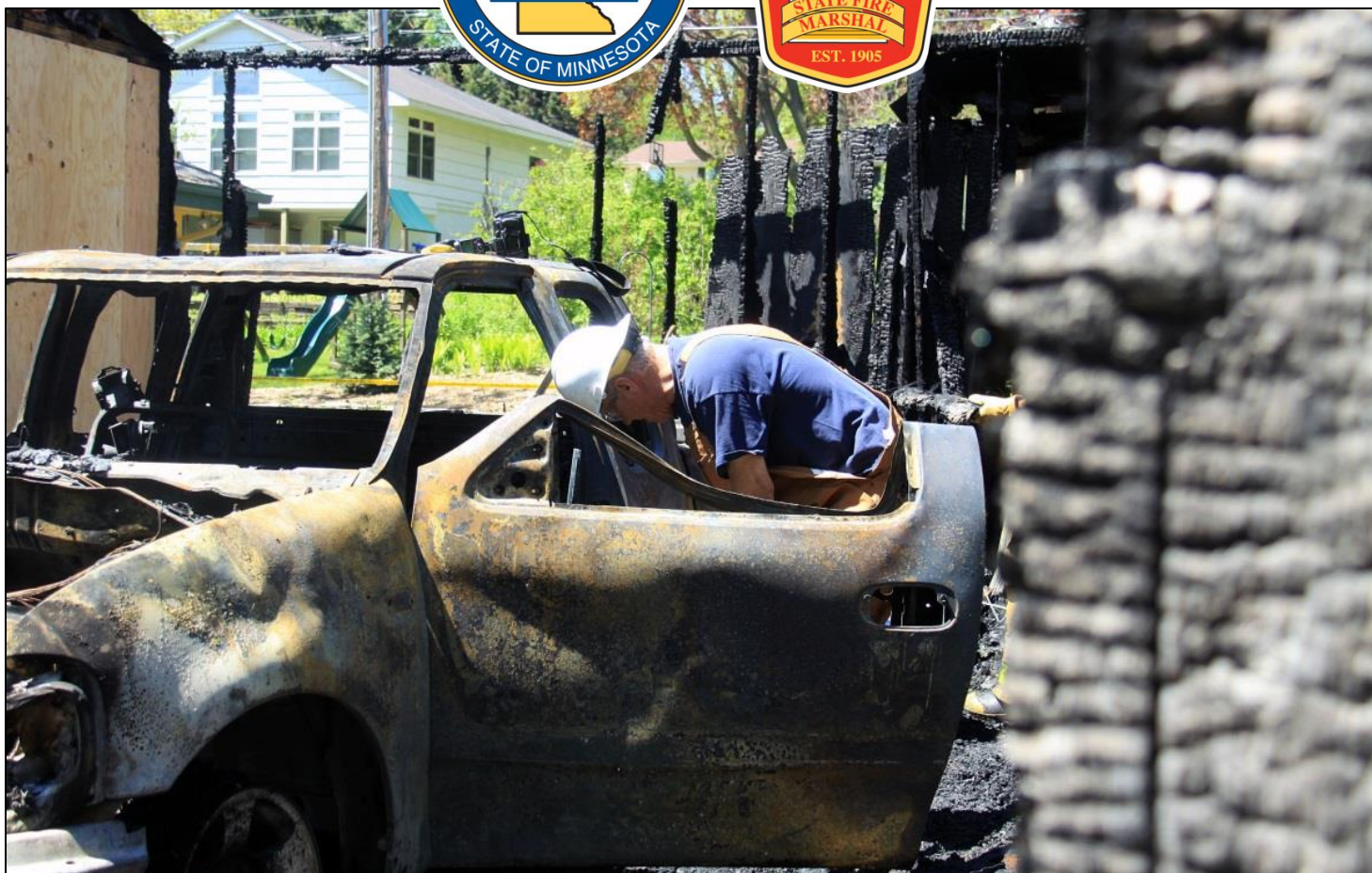


# FIRE IN MINNESOTA

Minnesota Department of Public Safety State Fire Marshal Division



This report is also available online  
at [sfm.dps.mn.gov](https://sfm.dps.mn.gov)

# Table of Contents

## WELCOME

A note from DPS Commissioner Mona Dohman .....	1
Introduction from State Fire Marshal Bruce West .....	2

## 2013 STATISTICS

### Total impact

Minnesota fire clock .....	4
Overall state totals .....	6
Structure fires by property type .....	7
Sprinkler saves .....	9-10

### Causes

Structure fire causes .....	14
Where do fires start? .....	16-17

### Incendiary trends

Incendiary structure fires .....	20
Residential incendiary fires .....	23
Incendiary fires and dollar loss by county .....	24-26

### Casualties

Feature article: Documenting the Past, Improving the Future .....	29
Smoke alarm performance .....	30
Civilian deaths .....	31-35
Fire death history .....	36
Firefighter deaths .....	37
Firefighter injuries .....	38
Civilian injuries .....	39-40
Fireworks injuries and property loss .....	41-42

### Participation

Runs, dollar loss and deaths by county .....	46-47
Fire department responses and dollar loss reported via MFIRS .....	48-55



# MINNESOTA DEPARTMENT OF PUBLIC SAFETY



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October 2014

The Honorable Mark Dayton  
Governor of Minnesota  
130 State Capitol  
75 Rev. Dr. Martin Luther King Jr. Blvd.  
St. Paul, MN 55155

Dear Governor Dayton:

The Minnesota Department of Public Safety State Fire Marshal Division is pleased to present for your review the 25<sup>th</sup> edition of our annual report, *Fire in Minnesota 2013*.

Provided by more than 770 Minnesota fire departments, this data allows us to analyze fire causes and determine the best methods of public education and code enforcement to improve fire safety and prevent fires in our state.

Minnesota fire departments have been reporting data online since 2009. In 80 of Minnesota's 87 counties, 100 percent of fire departments reported 2013 data. Statewide, 99 percent of Minnesota fire departments provided numbers for this report, illustrating their commitment to fire prevention and making Minnesota a national leader in fire data collection.

### Here are a few highlights from *Fire in Minnesota 2013*

- There were 44 fire deaths last year — a 12 percent decrease from 50 deaths in 2012
- Careless smoking and cooking were the most common causes of fatal fires
- Cooking, heating and open flame were the most common causes of structure fires
- 73 percent of fatal fires occurred where people generally feel safest — at home

The Department of Public Safety remains committed to protecting Minnesotans' lives and property. This report is created to that end by the dedicated members of the State Fire Marshal Division with data from hundreds of Minnesota fire departments.

Respectfully,

A handwritten signature in blue ink that reads "Ramona L. Dohman".

Commissioner Ramona L. Dohman

EQUAL OPPORTUNITY EMPLOYER

## From the State Fire Marshal

Welcome to the 25th-anniversary edition of the *Fire in Minnesota* report.

This year's report has a new look. There are more photographs, a new cover and other cosmetic changes. We did away with some of the dated material and images, added color and included photos of our staff — and Minnesota fire service members — hard at work. We hope these changes make *Fire in Minnesota* a better tool and a more enjoyable read. In honor of *Fire in Minnesota*'s 25th birthday, let's take a stroll down memory lane.



In 1989 — the report's first year — there were two counties from which 100 percent of the fire departments provided their fire statistics. That's two counties out of 87 — not an impressive number. But the system was new, and the usefulness of the data had not yet been proven. Statewide, about 66 percent of fire departments turned in their numbers.

Twenty-five years later, 99 percent of the 785 fire departments in Minnesota reported data on emergency calls. For that, I thank you — and end our trip down memory lane. *Fire in Minnesota* today is better than ever at helping us save lives and do our jobs more effectively.

The data you provide for *Fire in Minnesota* is key to fire prevention. That was true in 1989 and it's still spot-on today. *Fire in Minnesota* shows us the facts. It shows us the trends. It shows us that people — despite how hard we try — will die in fires every year because someone was careless.

Take pride in this report. It's yours. Use it in your fire prevention efforts. Share it with your friends, your family, your elected officials and the people you serve. Spend time analyzing the information on each page so you know how to make your community safer.

My predecessors have always said — and I agree — that there are three significant causes of destructive fires. They are men, women and children. Fires are largely preventable and behavior is changeable. That's why the State Fire Marshal Division and fire departments statewide will continue their efforts to fight fire with facts.

Thank you,  
Bruce West  
State Fire Marshal  
651-201-7201  
[bruce.west@state.mn.us](mailto:bruce.west@state.mn.us)

# TOTAL IMPACT





# MINNESOTA FIRE CLOCK

Frequency of Responses  
as Reported 2013

One Fire Department Response

00:00:02:00  
DAYS HRS MINS SECS

One Fire Reported

00:00:40:00  
DAYS HRS MINS SECS

One EMS/Rescue Run Reported

00:00:03:00  
DAYS HRS MINS SECS

One Structure Fire Reported

00:01:24:00  
DAYS HRS MINS SECS

One Rural Structure Fire

00:03:00:00  
DAYS HRS MINS SECS

One Metro Structure Fire

00:02:30:00  
DAYS HRS MINS SECS

One Arson Fire Reported

00:09:30:00  
DAYS HRS MINS SECS

**Fire Loss in Minnesota**

**\$ 627,593 / Day**

**\$ 26,150 / Hour**

**\$ 436 / Minute**

These figures represent the collective incidents reported by 776 of Minnesota's 785 fire departments.

## Total Impact

In 2013, 776 of the state's 785 fire departments (99 percent of all Minnesota's fire departments) reported through the Minnesota Fire Incident Reporting System (MFIRS), which collects information on fire incidents and related activities. More information about fire department participation begins on page 48.

The total number of fire incidents reported by participating Minnesota fire departments in 2013 was 13,271 — a 20 percent decrease from 2012. The number of responses by the fire service increased by three percent in 2013 to 251,609.

<b>2013 REPORTED FIRE DEPARTMENT RESPONSES</b>					
	SEVEN-COUNTY METRO		GREATER MINNESOTA		STATEWIDE
TYPE OF INCIDENT	NO. OF INCIDENTS	% OF STATE TOTAL	NO. OF INCIDENTS	% OF STATE TOTAL	
<b>FIRES</b>					
Structure fires	3,446	54%	2,884	46%	6,330
Vehicle fires	1,183	48%	1,302	52%	2,485
Other fires	1,701	38%	2,755	62%	4,456
<b>TOTAL FIRES</b>	<b>6,330</b>	<b>48%</b>	<b>6,941</b>	<b>52%</b>	<b>13,271</b>
Rescue/EMS calls	105,249	68%	49,522	32%	154,771
False calls	18,633	71%	7,660	29%	26,293
Mutual aid given	2,618	43%	3,497	57%	6,115
Other incidents	33,960	66%	17,199	34%	51,159
<b>TOTAL CALLS</b>	<b>166,790</b>	<b>66%</b>	<b>84,819</b>	<b>34%</b>	<b>251,609</b>
<b>ESTIMATED DOLLAR LOSS FROM FIRE</b>	<b>\$81,032,045</b>	<b>35%</b>	<b>\$148,039,444</b>	<b>65%</b>	<b>\$229,071,489</b>

## Total Impact

Total dollar loss decreased by more than \$63.1 million (22 percent) from 2012. The types of calls that increased in 2013 were overpressure ruptures, rescue/EMS calls, hazardous condition calls, service calls, good intent calls, false calls, and mutual aid given.

OVERALL INCIDENT COMPARISONS						
INCIDENT	2009	2010	2011	2012	2013	PERCENT CHANGE BETWEEN 2012/2013
<b>FIRES</b>						
Structure	6,580	6,332	6,530	6,429	6,330	-2%
Vehicle	2,676	2,884	2,708	2,609	2,485	-5%
Other	6,191	5,345	5,576	7,543	4,456	-41%
<b>TOTAL FIRES</b>	<b>15,447</b>	<b>14,561</b>	<b>14,814</b>	<b>16,581</b>	<b>13,271</b>	<b>-20%</b>
Overpressure ruptures	541	491	457	435	482	11%
Rescue/EMS calls	124,511	130,798	138,635	147,044	154,771	5%
Hazardous condition calls	10,143	12,925	11,653	10,918	11,712	7%
Service calls	13,793	14,786	15,216	14,422	14,749	2%
Good intent calls	20,793	21,872	22,703	22,552	23,360	4%
<b>FALSE CALLS</b>						
Malicious	1,437	1,017	1,385	1,366	1,296	-5%
Other	23,077	24,775	24,614	23,261	24,987	7%
<b>TOTAL FALSE CALLS</b>	<b>24,514</b>	<b>25,792</b>	<b>25,999</b>	<b>24,627</b>	<b>26,293</b>	<b>7%</b>
Mutual aid given	6,370	5,873	5,204	6,028	6,115	1%
All other calls	832	1,952	2,518	2,115	856	-60%
<b>TOTAL CALLS</b>	<b>216,944</b>	<b>229,050</b>	<b>237,199</b>	<b>244,722</b>	<b>251,609</b>	<b>3%</b>
<b>TOTAL DOLLAR LOSS</b>	<b>\$208.7M</b>	<b>\$152.2M</b>	<b>\$152M</b>	<b>\$292.2M</b>	<b>\$229.1M</b>	<b>-22%</b>



## Total Impact

Structure fires continue to occur most frequently in residential property, including houses, apartments, dorms, hotels/motels, etc. In each of the last five years, an average of 4,902 fires has occurred in residential structures. These figures indicate that each year, on average, one residential structure fire occurs for every 1,061 Minnesota residents.

<b>STRUCTURE FIRES BY PROPERTY TYPE</b>						
<b>PROPERTY TYPE</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>PERCENT CHANGE BETWEEN 2012 AND 2013</b>
Residential	4,994	4,825	5,039	4,857	4,793	-1%
Educational/Institutional	175	167	185	147	165	12%
Public Assembly/Commercial	387	336	301	349	312	-11%
Industrial/Manufacturing	217	234	220	231	261	13%
Storage	572	554	553	556	563	1%
Special/Other	195	162	173	228	193	-15%
Unclassified	40	54	59	61	43	-30%
<b>TOTAL</b>	<b>6,580</b>	<b>6,332</b>	<b>6,530</b>	<b>6,429</b>	<b>6,330</b>	<b>-2%</b>

<b>2013 RESIDENTIAL STRUCTURE FIRES</b>				
<b>TYPE OF RESIDENCE</b>	<b>NO. OF FIRES</b>	<b>DOLLAR LOSS</b>	<b>CIVILIAN INJURIES</b>	<b>CIVILIAN DEATHS</b>
One- two-family dwelling	2,875	\$95,524,115	80	26
Multi-family dwelling	1,728	\$14,306,140	53	6
Dormitory/sorority/fraternity	23	\$7,020	0	0
Hotel/motel	44	\$2,906,100	2	0
Residential board and care	26	\$30,050	1	0
Boarding/rooming house	20	\$5,400	0	0
Barracks/dormitory	4	\$0	0	0
Residential (other)	73	\$2,620,161	1	0

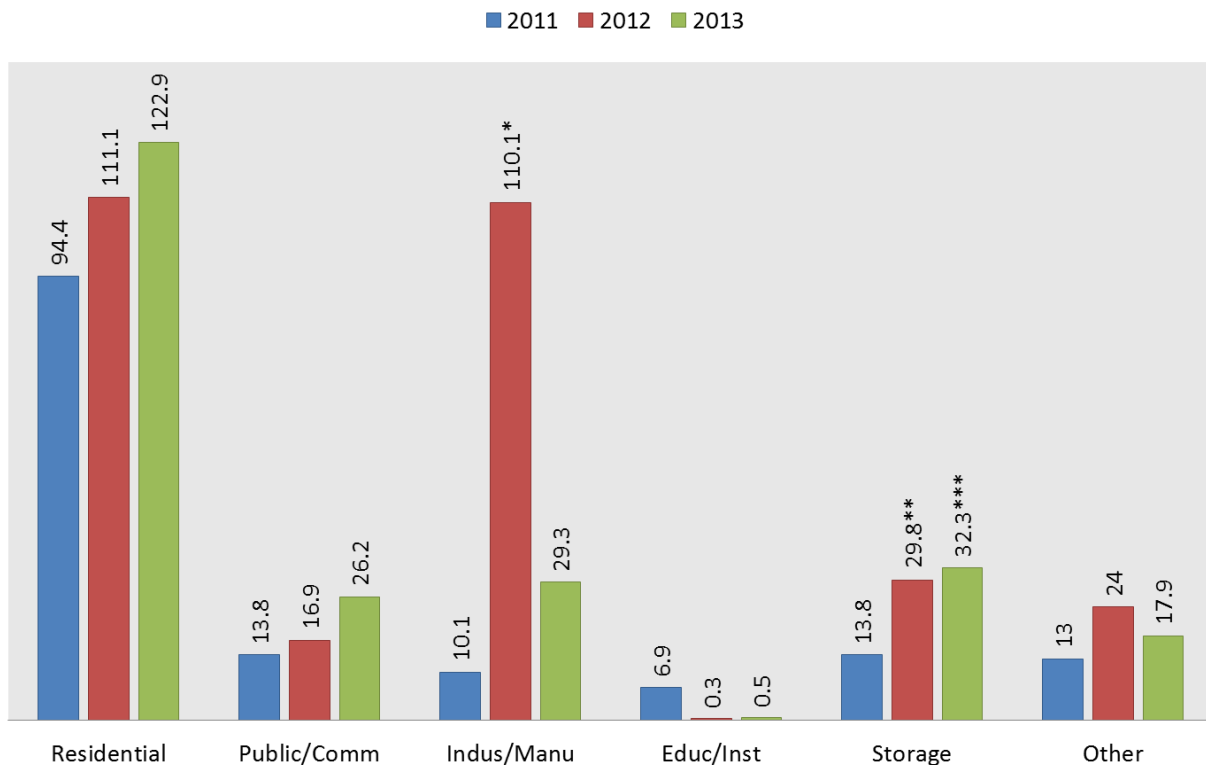
## Total Impact

The 2013 dollar loss in residential property increased by \$11.8 million from 2012 while total dollar loss decreased more than 22 percent.

Residential fires accounted for 76 percent of all structure fires and 54 percent of total dollar loss.

The average dollar loss per structure fire in 2013 was almost \$32,000 per incident. The average dollar loss per residential structure fire was more than \$24,000 per incident.

### DOLLAR LOSS BY PROPERTY TYPE (in millions)



\* Includes one \$78 million manufacturing plant fire and one \$14 million manufacturing plant fire.

\*\* Includes one \$10 million warehouse fire.

\*\*\* Includes on \$6 million grain elevator fire.

## Total Impact

In 2013 there were 78 sprinkler saves in Minnesota. This means that every month in Minnesota, there were six to seven fires extinguished by automatic fire sprinkler systems. These sprinkler activations saved 78 buildings from devastation by fire, minimized property loss, greatly reduced business interruption, and potentially saved lives.

SPRINKLER SAVES				
DATE	TIME	CITY	PROPERTY USE	AREA OF ORIGIN
1/10	17:26	Newport	Manufacturing, processing	Storage room, area, tank, or bin
1/16	20:54	St. Louis Park	Multifamily dwelling	Cooking area, kitchen
1/18	4:48	Solway	Manufacturing, processing	Storage room, area, tank, or bin
1/20	7:45	Virginia	Multifamily dwelling	Laundry area, wash house (laundry)
1/22	6:45	Rochester	Multifamily dwelling	Cooking area, kitchen
1/26	0:37	Hutchinson	General retail, other	Storage: supplies or tools; dead storage
2/2	12:16	Blaine	Multifamily dwelling	Function areas, other
2/3	18:35	Eagan	Warehouse	Shipping/receiving; loading area, dock/bay
2/8	21:30	Solway	Manufacturing, processing	Heating room or area, water heater area
2/12	14:46	Duluth	Multifamily dwelling	Cooking area, kitchen
2/12	0:02	Fridley	Vehicle/boat sales, services, repair	Maintenance shop or area, paint shop or area
2/17	18:16	Edina	Multifamily dwelling	Cooking area, kitchen
2/18	16:10	Eagan	Multifamily dwelling	Cooking area, kitchen
2/18	20:57	White Bear Lake	Multifamily dwelling	Cooking area, kitchen
2/21	15:36	Maple Grove	Manufacturing, processing	Processing/manufacturing area, workroom
3/9	15:00	Red Wing	Library	Bathroom, checkroom, lavatory, locker room
3/12	13:12	Alexandria	Manufacturing, processing	Ceiling/floor assem. crawl space btwn. stories
3/16	4:02	St. Paul	Food/beverage sales, grocery store	Assembly area - less than 100 persons
3/18	21:29	Brooklyn Park	Manufacturing, processing	Processing/manufacturing area, workroom
3/30	8:34	Chaska	1 or 2 family dwelling	Cooking area, kitchen
4/2	11:45	Minneapolis	Professional supplies, services	Storage area, other
4/5	2:46	Rochester	Multifamily dwelling	Bedroom - < 5 persons; jail or prison included
4/8	15:04	Coon Rapids	24-hour nursing homes, 4+ persons	Cooking area, kitchen
4/12	14:51	Little Canada	Manufacturing, processing	Exterior balcony, unenclosed porch
4/22	12:51	Saint Paul	Vehicle/boat sales, services, repair	Maintenance shop or area, paint shop or area
4/27	12:27	St. Paul	Multifamily dwelling	Cooking area, kitchen
4/28	12:49	Brooklyn Park	Multifamily dwelling	Vehicle storage area; garage, carport
5/1	17:02	Two Harbors	Manufacturing, processing	Function areas, other
5/4	4:47	Pierz	School	Storage area, other
5/9	13:26	Grand Rapids	Manufacturing, processing	Machinery room; elevator machinery room
5/10	21:31	St. Louis Park	24-hour nursing home, 4+ persons	Cooking area, kitchen
5/13	0:35	Minneapolis	Multifamily dwelling	Bedroom - < 5 persons; jail/ prison included
5/13	11:48	Eagan	Multifamily dwelling	Cooking area, kitchen
5/15	11:46	Austin	Manufacturing, processing	Processing/manufacturing area, workroom
5/29	4:01	Minneapolis	Eating, drinking places, other	Storage: supplies or tools; dead storage
5/29	9:43	Minneapolis	Specialty shop	Storage area, other
6/11	2:43	Alexandria	Manufacturing, processing	Laboratory
6/11	18:02	Carver	1 or 2 family dwelling	Laundry area, wash house (laundry)

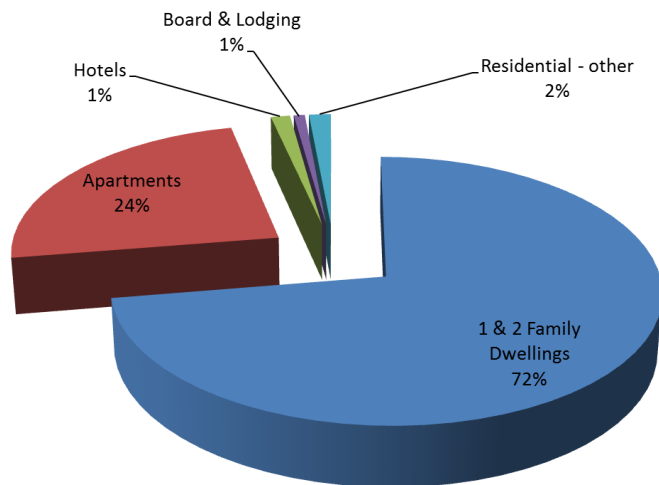


## Total Impact

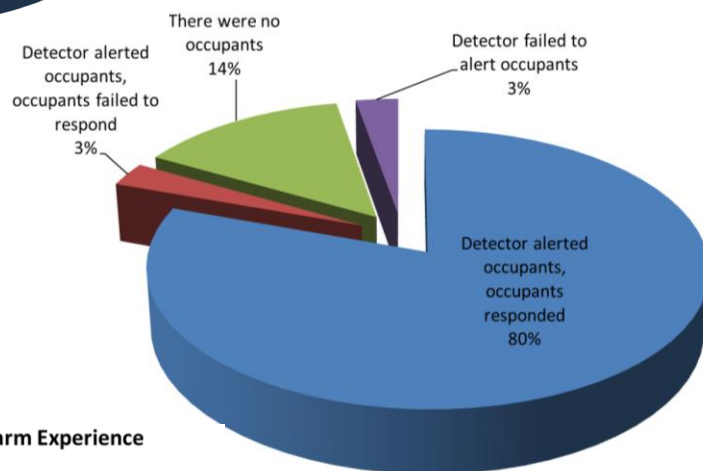
SPRINKLER SAVES (continued)				
DATE	TIME	CITY	PROPERTY USE	AREA OF ORIGIN
6/22	12:42	Plymouth	1 or 2 family dwelling	Cooking area, kitchen
6/23	13:42	Blue Earth	Manufacturing, processing	Equipment or service area, other
7/2	7:09	Brooklyn Park	Warehouse	Processing/manufacturing area, workroom
7/6	21:36	Burnsville	Multifamily dwelling	Chute/container - trash, rubbish, waste
7/7	16:08	Bloomington	Manufacturing, processing	Processing/manufacturing area, workroom
7/7	22:06	Elk River	Mercantile, business, other	Cooking area, kitchen
7/12	5:17	Rochester	Multifamily dwelling	Cooking area, kitchen
7/25	18:16	Minneapolis	Multifamily dwelling	Cooking area, kitchen
7/29	16:30	Alexandria	Multifamily dwelling	Cooking area, kitchen
7/29	10:50	Shakopee	Restaurant or cafeteria	Cooking area, kitchen
8/3	16:18	Winona	Manufacturing, processing	Processing/manufacturing area, workroom
8/18	2:27	Marshall	Ind., utility, defense, ag., mining	Storage area, other
8/30	21:31	Shoreview	Hotel/motel, commercial	Bathroom, checkroom, lavatory, locker room
9/1	14:59	Rochester	Multifamily dwelling	Cooking area, kitchen
9/3	8:45	Eden Prairie	Vehicle/boat sales, services, repair	Cooking area, kitchen
9/4	17:18	South St Paul	Office: veterinary or research	Attic: vacant, crawl space above top story
9/8	2:12	Crookston	Manufacturing, processing	Processing/manufacturing area, workroom
9/14	10:05	Faribault	Professional supplies, services	Engine area, running gear, wheel area
9/15	14:25	Minneapolis	Multifamily dwelling	Cooking area, kitchen
9/16	20:23	Stewartville	Manufacturing, processing	Processing/manufacturing area, workroom
9/29	11:24	New Brighton	Manufacturing, processing	Maintenance shop or area, paint shop or area
10/17	22:25	Eden Prairie	Food/beverage sales, grocery store	Cooking area, kitchen
10/25	0:18	Fridley	Manufacturing, processing	Equipment or service area, other
10/30	16:39	Savage	Outbuilding or shed	Vehicle storage area; garage, carport
10/31	21:41	St. James	Multifamily dwelling	Cooking area, kitchen
11/4	20:17	Red Wing	Parking garage, general vehicle	Vehicle storage area; garage, carport
11/5	0:23	Golden Valley	Residential board and care	Laundry area, wash house (laundry)
11/7	13:45	Hastings	Food/beverage sales, grocery store	Cooking area, kitchen
11/9	1:45	Blaine	Manufacturing, processing	Processing/manufacturing area, workroom
11/18	12:41	St. Paul	Laundry, dry cleaning	Laundry area, wash house (laundry)
11/21	19:00	Crystal	Multifamily dwelling	Cooking area, kitchen
11/21	23:44	New Brighton	Multifamily dwelling	Laundry area, wash house (laundry)
11/23	17:05	Saint Cloud	Household goods, sales, repairs	Storage: supplies or tools; dead storage
12/6	17:05	Eden Prairie	Multifamily dwelling	Laundry area, wash house (laundry)
12/10	9:54	Delano	Manufacturing, processing	Processing/manufacturing area, workroom
12/13	4:45	Roseville	Casino, gambling clubs	Storage area, other
12/18	9:21	Hutchinson	Manufacturing, processing	Processing/manufacturing area, workroom
12/21	15:12	Winona	Manufacturing, processing	Processing/manufacturing area, workroom
12/24	15:32	Vadnais Heights	Department or discount store	Storage area, other
12/31	12:12	Eden Prairie	Business office	Shipping/receiving; loading area, dock/bay

# Total Impact

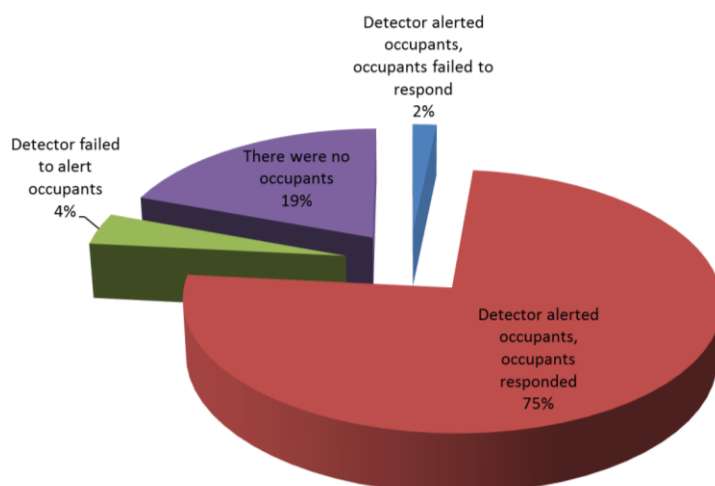
## Residential Occupancies Where Smoke Alarms Activated



## Smoke Alarm Activations



## 1- and 2-Family Dwelling Smoke Alarm Experience



## Total Impact

### Summary

A slight decrease in reporting by Minnesota fire departments brought the total number reporting to 776 (99 percent) of 785 departments.

The total number of calls increased 3 percent from 2012. Dollar loss was more than \$229 million.

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 percent of all structure fires, 54 percent of total dollar loss, and 94 percent of all structure fire deaths. These statistics continue to identify the home as the most dangerous place to be.

In the last 25 years, more than \$4.1 billion in property was destroyed by fire; 49 percent, or nearly \$2 billion, occurred in residential property.





# Causes



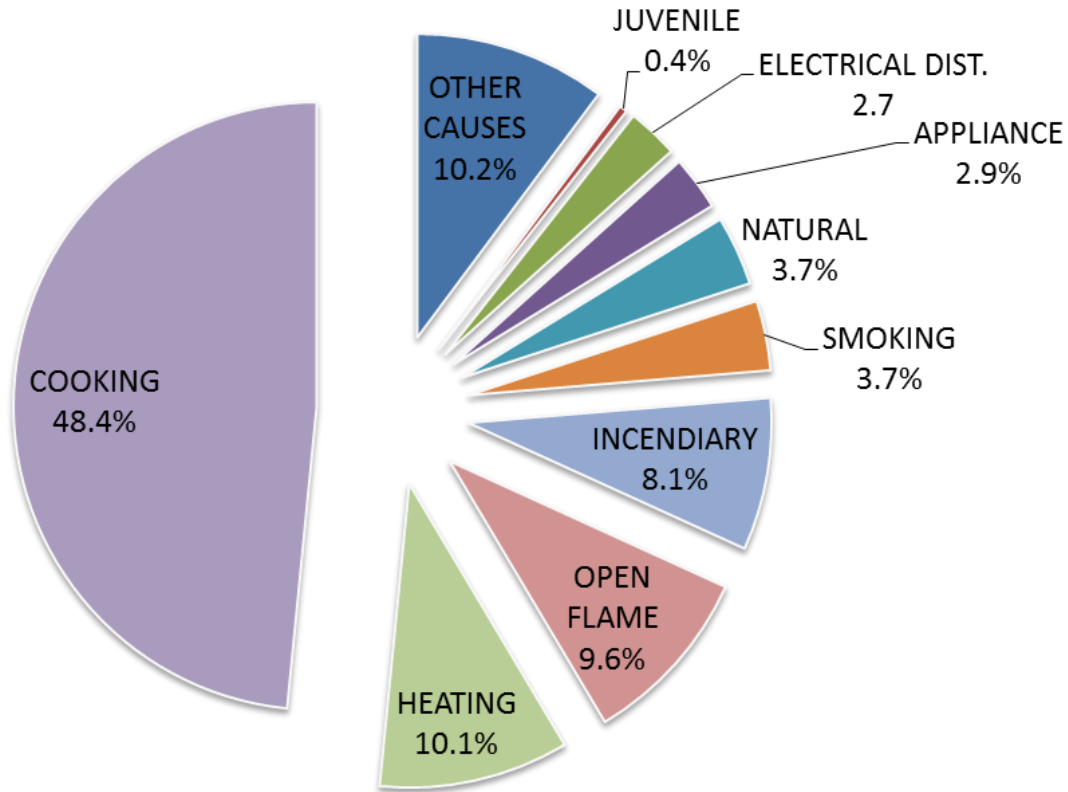
## Causes

Looking at the past five years of fires in all types of building fires (2009-2012), cooking is undoubtedly the leading cause. Heating and open flame are the second and third leading cause respectively when compared with all known causes.

Cooking is the leading cause mainly due to contained cooking fires. The open flame category includes matches, candles, cigarette lighters, charcoal lighters and flares.

Fires in residential property represented 76 percent of all structure fires and 54 percent of the total dollar loss. Sixty-four percent of incendiary fires occurred in residential properties, causing almost \$5 million in property loss.

### STRUCTURE FIRE CAUSES (2008-2012)



## Causes

### Cooking Fires

The leading cause of structure fires in 2013 was cooking. Eighty-nine percent of those fires were contained cooking fires.

The top three known factors in the remaining cooking fires were: unattended equipment at 28 percent, combustibles too close at 11 percent and equipment accidentally turned on/not turned off at 9 percent. There were six cooking-related civilian fire deaths and 51 civilian injuries as well as 10 firefighter injuries. Dollar loss from cooking fires in 2013 totaled \$5,937,582.



### Heating Fires

The majority of 2013 heating-related fires (464) occurred in residential properties.

These fires increased 25 percent from last year — there were 372 fires heating-related fires in 2012 — and dollar loss increased by more than 8 percent.

HEATING FIRES IN RESIDENTIAL PROPERTIES				
EQUIPMENT	NO. OF FIRE INCIDENTS	% OF TOTAL	DOLLAR LOSS	% OF TOTAL
Fireplace/chimney	278	60%	\$2,488,636	34%
Fixed heating units	68	15%	\$1,986,800	27%
Portable heaters	24	5%	\$466,150	6%
Central heating units	54	12%	\$1,640,360	22%
Water heaters	23	5%	\$428,955	6%
Other	17	4%	\$368,100	5%
<b>TOTAL</b>	<b>464</b>	<b>100%</b>	<b>\$7,379,001</b>	<b>100%</b>



# Causes

## Where Do Fires Start?

### Residential Property

- Kitchen/cooking area: 51 percent
- Sleeping area: 4 percent
- Garage or car port: 3 percent
- Laundry room/area: 3 percent
- Other areas: 39 percent

RESIDENTIAL PROPERTY FIRES						
	TOTAL	FIREFIGHTER INJURIES	CIVILIAN INJURIES	FIREFIGHTER DEATHS	CIVILIAN DEATHS	DOLLAR LOSS
No. of incidents	4,793	102	81	0	32	\$122,891,726
% of total structure fires	76%	35%	74%	0%	73%	54%

### Educational Property

- Kitchen/cooking Area: 41 percent
- Trash chute/container: 19 percent
- Lavatory/locker room: 8 percent
- Corridor: 5 percent
- Other areas of fire origin: 27 percent

EDUCATIONAL PROPERTY FIRES						
	TOTAL	FIREFIGHTER INJURIES	CIVILIAN INJURIES	FIREFIGHTER DEATHS	CIVILIAN DEATHS	DOLLAR LOSS
No. of incidents	59	0	1	0	0	\$138,760
% of total structure fires	<1%	0%	1%	0%	0%	<1%

# Causes

## Where Do Fires Start?

### Public Assembly Property

- Kitchen/cooking Area: 45 percent
- Trash chute/container: 12 percent
- Wall assembly: 4 percent
- Roof surface: 4 percent
- Other areas of fire origin: 35 percent

PUBLIC ASSEMBLY PROPERTY FIRES						
	TOTAL	FIREFIGHTER INJURIES	CIVILIAN INJURIES	FIREFIGHTER DEATHS	CIVILIAN DEATHS	DOLLAR LOSS
No. of incidents	137	1	1	0	0	\$7,014,002
% of total structure fires	2%	<1%	1%	0%	0%	3%

### Store and office property

- Kitchen/cooking area: 16 percent
- Trash chute/container: 7 percent
- Lavatory/locker room: 5 percent
- Maintenance shop/area: 5 percent
- Other areas of fire origin: 67 percent

STORE AND OFFICE PROPERTY FIRES						
	TOTAL	FIREFIGHTER INJURIES	CIVILIAN INJURIES	FIREFIGHTER DEATHS	CIVILIAN DEATHS	DOLLAR LOSS
No. of incidents	175	13	4	0	0	\$19,219,919
% of total structure fires	3%	4%	4%	0%	0%	8%

# Causes

## Summary

In the past five years, cooking caused the largest percentage of structure fires (48 percent) with heating and open flame as the second and third leading causes. Cooking, heating and open flame accounted for 68 percent of total structure fires with known causes. Fires in residential spaces represent 76 percent of all structure fires and 94 percent of fire deaths in structures. Seventy-four percent of civilian injuries occurred in residential fires.

While careless smoking accounts for only 4 percent of structure fires, it nevertheless caused 23 percent of known fire fatalities and 19 percent of residential fire deaths.



In the past five years, fire departments reported 10 percent of all structure fire causes as “other causes.” Fire departments are strongly encouraged to provide the maximum available information on MFIRS reports. Lack of information increases the number of incidents with “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 essential. Minnesotans continue to be in the greatest danger from fires 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.

## Fire Prevention Week

Since 1925, the week of Oct. 9 has been designated Fire Prevention Week in the United States in memory of the Great Chicago Fire of Oct. 9, 1871. The National Fire Protection Association for more than 85 years has sent a special fire-prevention message to the public during Fire Prevention Week.

The SFMD urges Minnesota fire departments to implement the safety theme and lead fire prevention efforts in their communities. More information about Fire Prevention Week is online at [National Fire Protection Association](http://www.nfpa.org)



# Incendiary Fires



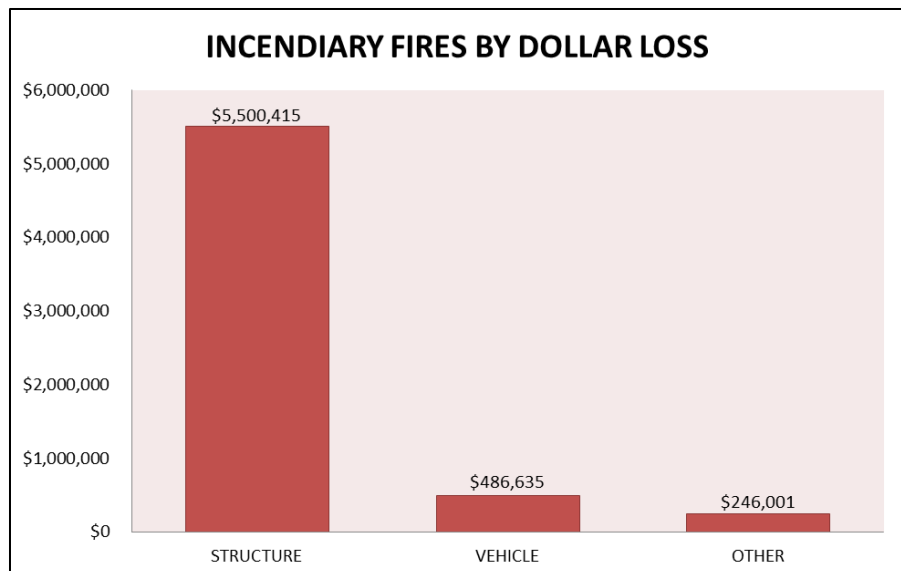
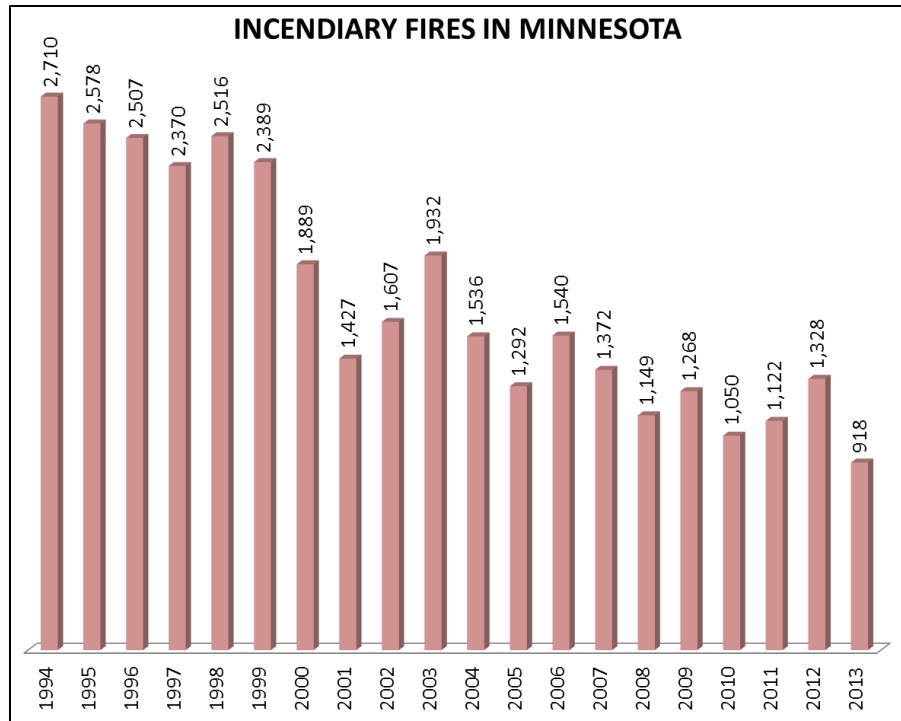
# Incendiary Fires

There were 918 identified incendiary fires in 2013, a 31 percent decrease from 2012.

Incendiary refers to any intentionally set fire. An arson fire is an example of an incendiary fire, but not all incendiary fires are arson. Incendiary fires may also include recreational fires intentionally set that get out of control. The value of property destroyed by incendiary fires in 2013 was approximately \$6 million, a 48 percent decrease from 2012. Both numbers are considerably lower than those in the 1990s.

## Number of Incendiary Fires

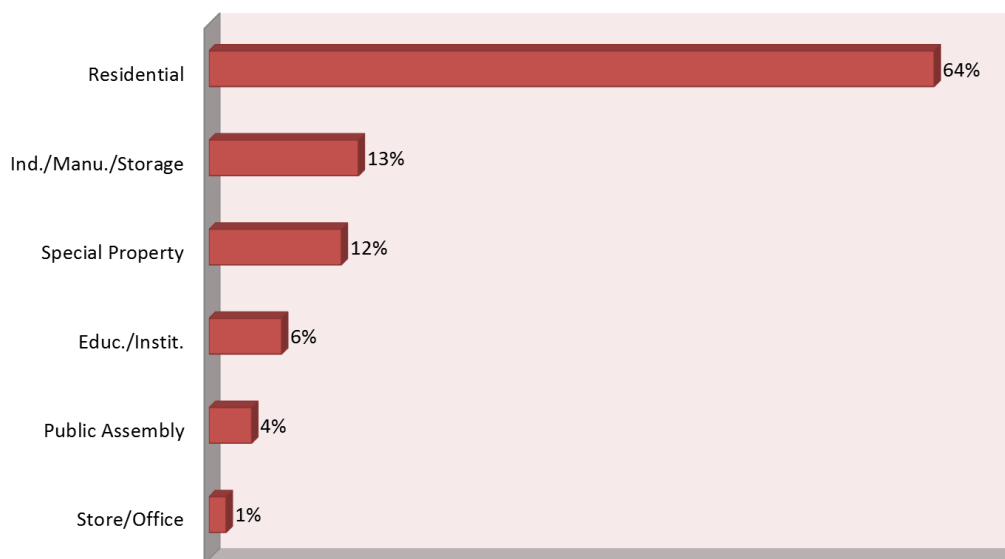
- Vehicle: 106 (12 percent)
- Structure: 267 (29 percent)
- Other: 545 (59 percent)



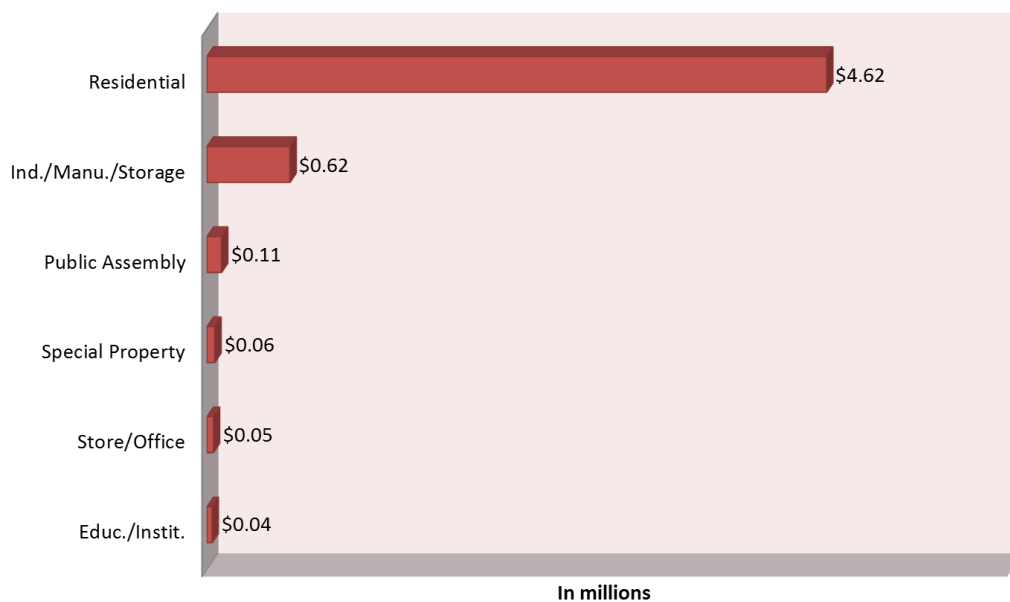
# Incendiary Fires

Sixty-four percent of incendiary fires reported were in residential structures. Dollar loss in those properties was more than \$5 million, or 84 percent of incendiary dollar loss in structures.

**INCENDIARY FIRES BY STRUCTURE TYPE**



**INCENDIARY DOLLAR LOSS**



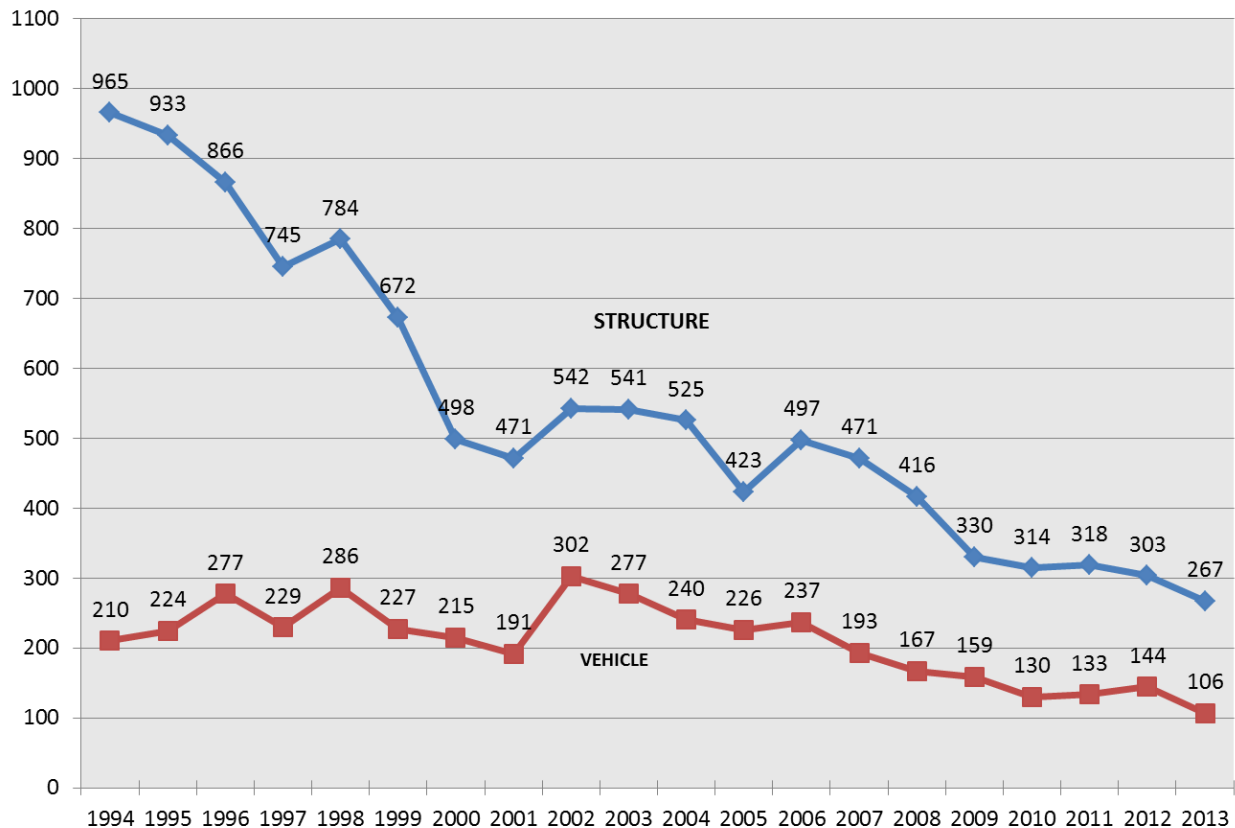
## Incendiary Fires

On average for the past 5 years, incendiary was listed as the cause of 8 percent of all reported structure fires with known causes and 4 percent of all reported vehicle fires in Minnesota.

Vehicle incendiary dollar loss represented 3 percent of total vehicle fire dollar loss with an average dollar loss per incendiary vehicle fire of \$4,591

Fire investigators agree that incendiary vehicle fires are under-reported and may not receive as much attention as structure fires receive.

### STRUCTURE AND VEHICLE INCENDIARY FIRES





## Incendiary Fires

Residential structures are at greatest risk from fire. These same structures are also at greatest risk from incendiary fires.

The 170 residential incendiary incidents reported in 2013 accounted for 4 percent of all reported residential fires and 4 percent of the dollar loss for this property type.

RESIDENTIAL STRUCTURE INCENDIARY FIRES					
	2012		2013		
PROPERTY TYPE	INCIDENTS	DOLLAR LOSS	INCIDENTS	DOLLAR LOSS	% OF TOTAL DOLLAR LOSS
One-or two-family dwelling	127	\$4.9M	112	\$3.94M	85%
Apartment/tenement/flat	40	\$380,000	54	\$530,000	11%
Residential board and car	3	\$230,000	1	\$10,000	<1%
Hotel/motel	2	<\$1,000	0	\$0	0%
Boarding/rooming house	1	\$0	0	\$0	0%
Other residential	4	\$9,000	3	\$150,000	3%
<b>TOTAL</b>	<b>177</b>	<b>\$5.52M</b>	<b>170</b>	<b>\$4.63M</b>	<b>100%</b>

### Arson Tip Line

Do you have a tip or information about a possible arson fire? Call the Arson Hotline at 1-800-723-2020. Rewards are possible for information leading to the identification of persons responsible.

*Rewards are as follows:*

An **extraordinary reward of \$2,000 to \$5,000** for information or assistance that leads to the arrest of person(s) on a charge of arson.

An **information reward** of up to \$2,000 for information in a meritorious situation with no requirement that the information lead to an arrest.

A **lesser reward** for useful Information which could prevent an incendiary fire or aid in catching a person who set one. There is no requirement that the information lead to an arrest.

## Incendiary Fires

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.

<b>INCENDIARY FIRES AND DOLLAR LOSS BY COUNTY</b>			
<b>COUNTY</b>	<b># OF INCIDENTS</b>	<b>FIRES PER 100K PEOPLE</b>	<b>DOLLAR LOSS</b>
Aitkin	0	0	\$0
Anoka	45	15	\$49,314
Becker	29	97	\$44,400
Beltrami	8	20	\$312,020
Benton	3	9	\$0
Big Stone	2	34	\$1,500
Blue Earth	8	14	\$2,500
Brown	2	7	\$0
Carlton	9	28	\$32,500
Carver	10	14	\$319,000
Cass	6	22	\$140,233
Chippewa	0	0	\$0
Chisago	10	24	\$10,250
Clay	12	23	\$17,052
Clearwater	0	0	\$0
Cook	2	39	\$0
Cottonwood	5	41	\$2,000
Crow Wing	13	24	\$1,230
Dakota	62	17	\$481,200
Dodge	3	17	\$0
Douglas	13	40	\$500
Faribault	3	19	\$108,000
Fillmore	2	9	\$3,625
Freeborn	7	21	\$2,600
Goodhue	8	18	\$133,000
Grant	2	32	\$7,250
Hennepin	162	15	\$1,160,689
Houston	0	0	\$0
Hubbard	2	11	\$0
Isanti	1	3	\$0
Itasca	13	30	\$800
Jackson	1	9	\$0
Kanabec	3	20	\$0
Kandiyohi	5	12	\$2,000
Kittson	3	57	\$0
Koochiching	2	14	\$0
Lac Qui Parle	3	37	\$0
Lake	3	27	\$200
Lake of the Woods	0	0	\$0

## Incendiary Fires

<b>INCENDIARY FIRES AND DOLLAR LOSS BY COUNTY (continued)</b>			
<b>COUNTY</b>	<b># OF INCIDENTS</b>	<b>FIRES PER 100K PEOPLE</b>	<b>DOLLAR LOSS</b>
LeSueur	6	24	\$40,600
Lincoln	3	47	\$200
Lyon	6	24	\$130,000
McLeod	4	11	\$20,000
Mahnomen	4	77	\$11,500
Marshall	4	39	\$0
Martin	0	0	\$0
Meeker	3	13	\$1,000
Mille Lacs	2	9	\$90,000
Morrison	4	13	\$0
Mower	7	18	\$4,000
Murray	4	44	\$0
Nicollet	3	10	\$40,500
Nobles	5	24	\$11,000
Norman	2	27	\$150,000
Olmsted	19	15	\$11,050
Otter Tail	10	17	\$1,100
Pennington	4	29	\$0
Pine	12	45	\$356,200
Pipestone	1	10	\$0
Polk	11	35	\$5,710
Pope	1	9	\$0
Ramsey	126	25	\$728,487
Red Lake	7	163	\$0
Redwood	5	30	\$300,250
Renville	0	0	\$0
Rice	18	32	\$6,500
Rock	4	41	\$1,000
Roseau	4	24	\$0
St. Louis	51	25	\$326,046
Scott	15	17	\$488,550
Sherburne	9	14	\$111,000
Sibley	7	46	\$5,045
Stearns	32	24	\$105,075
Steele	4	12	\$50,760
Stevens	4	40	\$0
Swift	2	17	\$500
Todd	3	12	\$4,200
Traverse	0	0	\$0
Wabasha	3	14	\$50,000

## Incendiary Fires

<b>INCENDIARY FIRES AND DOLLAR LOSS BY COUNTY (continued)</b>			
<b>COUNTY</b>	<b># OF INCIDENTS</b>	<b>FIRES PER 100K PEOPLE</b>	<b>DOLLAR LOSS</b>
Wadena	4	29	\$0
Waseca	1	5	\$0
Washington	9	4	\$225,915
Watonwan	2	17	\$0
Wilkin	1	14	\$0
Winona	5	10	\$40,000
Wright	21	23	\$85,000
Yellow Medicine	4	36	\$0
<b>TOTAL</b>	<b>918</b>	<b>19</b>	<b>\$6,233,051</b>

\* Based on data received from 776 fire departments. See pages 46-47 for MFIRS participation by county.



# Incendiary Fires

## Summary

Incendiary fires and dollar loss decreased in 2013. On a five-year average, incendiary fires were the cause of 8 percent of structure fires with known causes.

In 2013, 64 percent of all incendiary structure fires were in residential property as well as 84 percent of all incendiary dollar loss.

In the past 25 years, incendiary fires caused 59 deaths and more than \$351.8 million in property loss.

Incendiary fires must continue to be addressed through efforts such as the Arson Reward Program and the Youth Firesetter Intervention and Prevention Program.

INCENDIARY DOLLAR LOSS (IN MILLIONS)			
YEAR	STRUCTURE	VEHICLE	TOTAL
1992	\$16.3	\$0.5	\$16.8
1993	\$20.6	\$0.8	\$21.4
1994	\$42.2	\$0.8	\$43.0
1995	\$16.9	\$0.9	\$17.8
1996	\$20.5	\$1.3	\$21.8
1997	\$13.8	\$0.9	\$14.7
1998	\$11.1	\$1.3	\$12.4
1999	\$15.3	\$1.3	\$16.6
2000	\$8.1	\$1.1	\$9.2
2001	\$8.1	\$1.1	\$9.2
2002	\$12.9	\$1.4	\$14.3
2003	\$8.5	\$1.2	\$9.7
2004	\$10.2	\$1.0	\$11.2
2005	\$8.7	\$0.8	\$9.5
2006	\$13.4	\$1.0	\$14.4
2007	\$13.5	\$1.1	\$14.6
2008	\$7.0	\$1.1	\$8.1
2009	\$5.3	\$0.9	\$6.2
2010	\$6.5	\$0.6	\$7.1
2011	\$7.5	\$0.5	\$8.0
2012	\$9.9	\$1.1	\$11.0
2013	\$5.5	\$0.5	\$6.0

# Casualties



## Fire in Minnesota: Documenting the Past, Improving the Future

The fire service and its history are inseparable. Few institutions have as keen a grasp of how our history has shaped our future. Since its establishment in 1905, the Minnesota State Fire Marshal Division has worked to pass along the lessons learned in over 100 years of fire prevention experience.

Spanish philosopher George Santayana said, “Those who cannot remember the past are condemned to repeat it.” By compiling and making available a resource like the book you’re holding, the State Fire Marshal Division hopes to help the public learn from the past and develop safe behaviors for the future.



This year is the 25<sup>th</sup> anniversary of the *Fire in Minnesota* report. Since the first report, fire department participation has risen dramatically from just 66 percent of fire departments reporting to more than 99 percent participation today. This unique level of voluntary support from Minnesota fire departments allows local, state and federal officials to monitor and react to Minnesota’s changing fire prevention needs. Additionally, a comprehensive picture of the incident numbers, causes and casualties allows the fire service to see what works and what does not.

The last quarter-century of data tells the story of constantly evolving circumstances, and reflects the need for changing strategies to prevent fires and save lives. For example, 25 years ago, heating was the number-one cause of structure fires in our state. Today, cooking fires are the number-one cause, accounting for nearly half of Minnesota’s structure fires.

The report also shows us that fires have become less frequent. In the first report, fire departments reported nearly 20,000 fires. Today, *Fire in Minnesota* reflects the declining trend in the number of reported fires to more than 13,000 in 2013.

Statistics can also show us where technology and behavior make a positive difference. We see that smoke alarms save lives. Good data, over time, will also reveal the way that technology — like residential sprinkler systems — help decrease destruction and increase the likelihood of saving lives.

The State Fire Marshal Division is proud to reach this 25-year milestone. We look forward to another 25 years of reports detailing the continuing decline of fires and fire deaths in Minnesota. By documenting our past and applying the lessons we learn, Minnesota is on a path to creating a safer state for everyone.

## Casualties

In 2013, 44 civilians died in Minnesota fires. This number represents a 12 percent decrease in fire deaths compared to the 2012 total of 50 fatalities. Residential fire deaths represented 73 percent of total fire deaths in 2013. In 12 percent of the residential casualties, smoke alarms were absent or non-operating. In 58 percent of residential fires, it was not possible to determine whether a smoke detector was present or operating.

<b>FIRE DEATHS AND SMOKE ALARM PERFORMANCE</b>			
<b>CIRCUMSTANCE</b>	<b>FATALITIES</b>	<b>% OF DWELLING FIRES</b>	<b>% OF TOTAL DEATHS</b>
No smoke alarms present	3	9%	7%
Inoperable smoke alarms present	1	3%	2%
Working smoke alarms present	9	26%	20%
Unknown if smoke alarms present/working	20	59%	45%
Not a factor (suicides, explosions, etc.)	1	3%	2%
<b>TOTAL DEATHS IN DWELLINGS</b>	<b>34</b>	<b>100%</b>	<b>76%</b>
Other fire deaths (vehicles, outdoors, etc.)	10		23%
<b>TOTAL FIRE DEATHS</b>	<b>44</b>		<b>100%</b>

### **Nine Deaths in Homes With Working Smoke Alarms: Why Didn't They Get Out?**

- Mental health issue: 1
- Smoking with oxygen tank nearby: 1
- Medical issue: 1
- Intoxication: 4
- Unknown: 1
- Hard of hearing: 1

All charts and information on this page have been taken from the SFMD's 2013 fire death database, which is based on fire death investigations done by this office and on MFIRS data.



# Casualties

## Civilian Fire Deaths

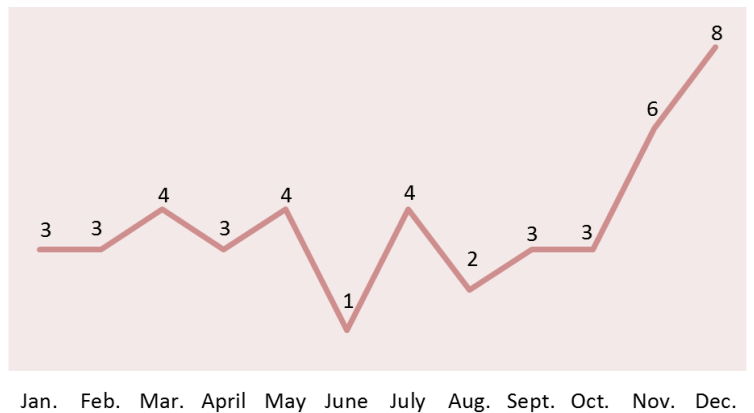
Fifty percent of fire deaths in 2013 occurred between the hours of 6 a.m. and 6 p.m.

Thirty-nine percent of the fire deaths occurred in October through December only.

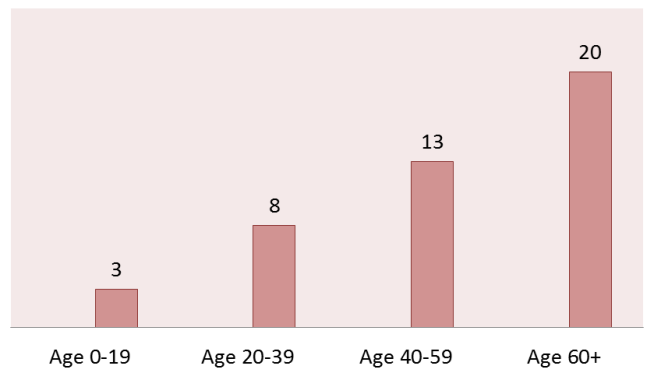
In 2013, total fire deaths decreased by 12 percent from 2012.

Deaths in the 0-19 age group decreased by 200 percent. The 20 to 39 year-old and 40 to 59 year-old groups stayed the same. Fire deaths among people 60+ years of age decreased 29 percent, but that age group still had the largest number of fire deaths in 2013 (20).

**FIRE DEATHS BY MONTH**



**FIRE DEATHS BY AGE**



**FIRE DEATHS BY TIME OF DAY**

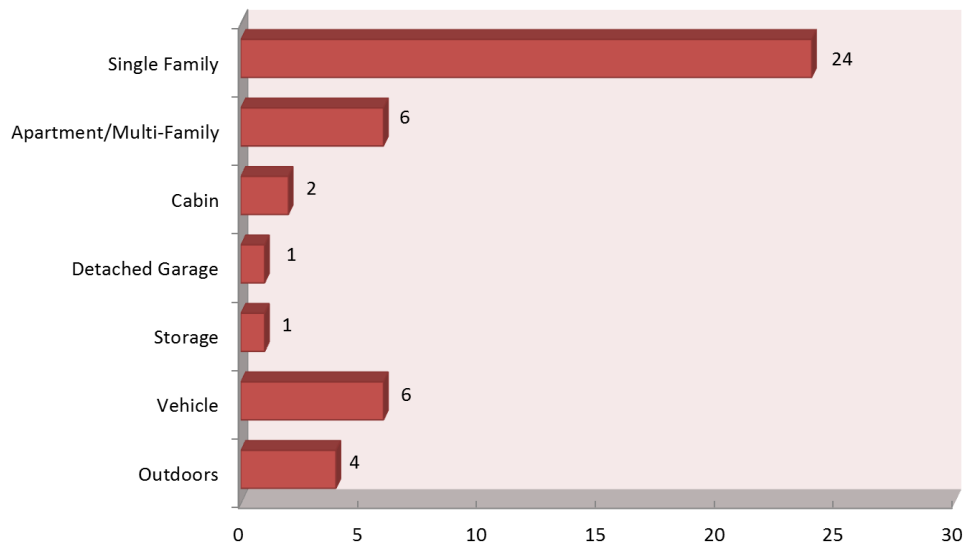
CAUSE	0000-0600	0600-1200	1200-1800	1800-2400	TOTAL
Unattended cooking	1	0	3	2	6
Careless smoking	3	2	1	0	6
Suicide	1	1	2	0	4
Arson	0	0	1	2	3
Vehicle collision/malf.	0	2	0	1	3
Combustible too close	0	1	1	0	2
Other	0	1	1	0	2
Undetermined	5	6	3	4	18
<b>TOTAL</b>	<b>10</b>	<b>13</b>	<b>12</b>	<b>9</b>	<b>44</b>

# Casualties

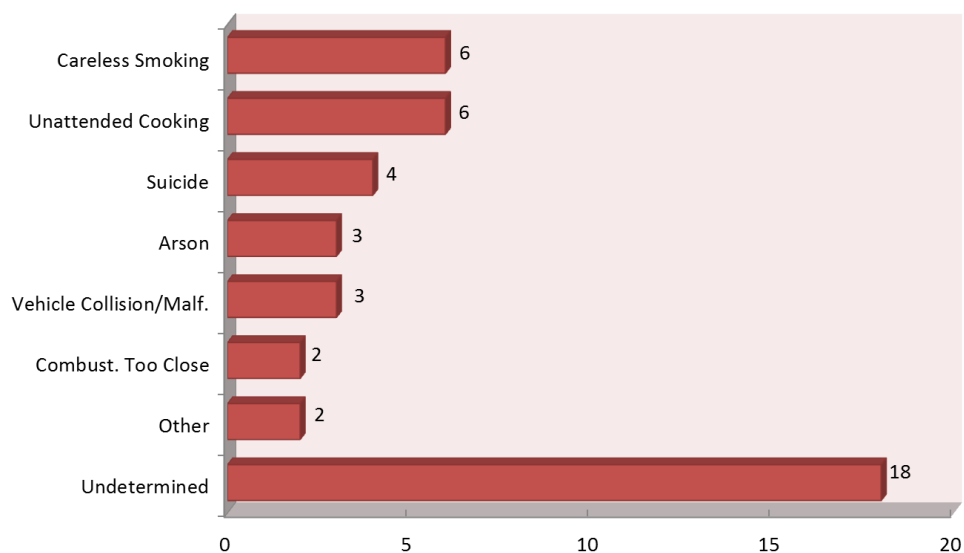
## Civilian Fire Deaths: Where and Why?

Seventy-three percent of all 2013 fire deaths occurred where people generally feel safest — in their homes — and 94 percent of structural fire deaths were in residences. In 2013, careless smoking and unattended cooking were tied for the leading cause of fatal fires. Alcohol or drug use was a factor in 33 percent of the careless smoking deaths and in 36 percent of all fire deaths.

**CIVILIAN FIRE DEATHS BY LOCATION**



**CIVILIAN FIRE DEATHS BY CAUSE**



# Casualties

## 2013 Fire Deaths

<u>Date</u>	<u>City/Town</u>	<u>Structure</u>	<u>Cause</u>	<u>Age</u>
1/20/2013	Eagan	Single Family	Undetermined	33
1/22/2013	Rochester	Apartment	Careless Smoking	59
1/24/2013	Redwood Falls	Apartment	Arson	73
2/17/2013	Edina	Apartment	Unattended Cooking	93
2/21/2013	Thief River Falls	Single Family	Undetermined	85
2/27/2013	Cloquet	Cabin	Undetermined	50
3/19/2013	Bagley	Apartment	Careless Smoking	92
3/19/2013	Oakdale	Single Family	Careless Smoking	65
3/24/2013	St. Paul	Single Family	Unattended Cooking	31
3/30/2013	Minneapolis	Apartment	Unattended Cooking	31
4/1/2013	Ortonville	Storage, Other	Cutting/Grinding Spark/Ember	71
4/14/2013	Big Lake	Single Family	Suicide	44
4/29/2013	St. Paul	Outdoors	Suicide	24
5/3/2013	Bemidji	Outdoors	Suicide	58
5/7/2013	Cottonwood	Outdoors	Careless Open Burning	90
5/14/2013	St. Cloud	Detached Garage	Arson	24
5/27/2013	Fall Lake Twp.	Cabin	Undetermined	49
6/12/2013	Bloomington	Highway	Combustibles Too Close	43
7/9/2013	St. Paul	Single Family	Undetermined	68
7/12/2013	Marshall	Single Family	Careless Smoking	30
7/12/2013	Minneapolis	Single Family	Unattended Cooking	50
7/28/2013	Hawley	Single Family	Undetermined	15
8/28/2013	Albert Lea	Single Family	Undetermined	92
8/29/2013	Sleepy Eye	Outdoors	Combustibles Too Close	77

# Casualties

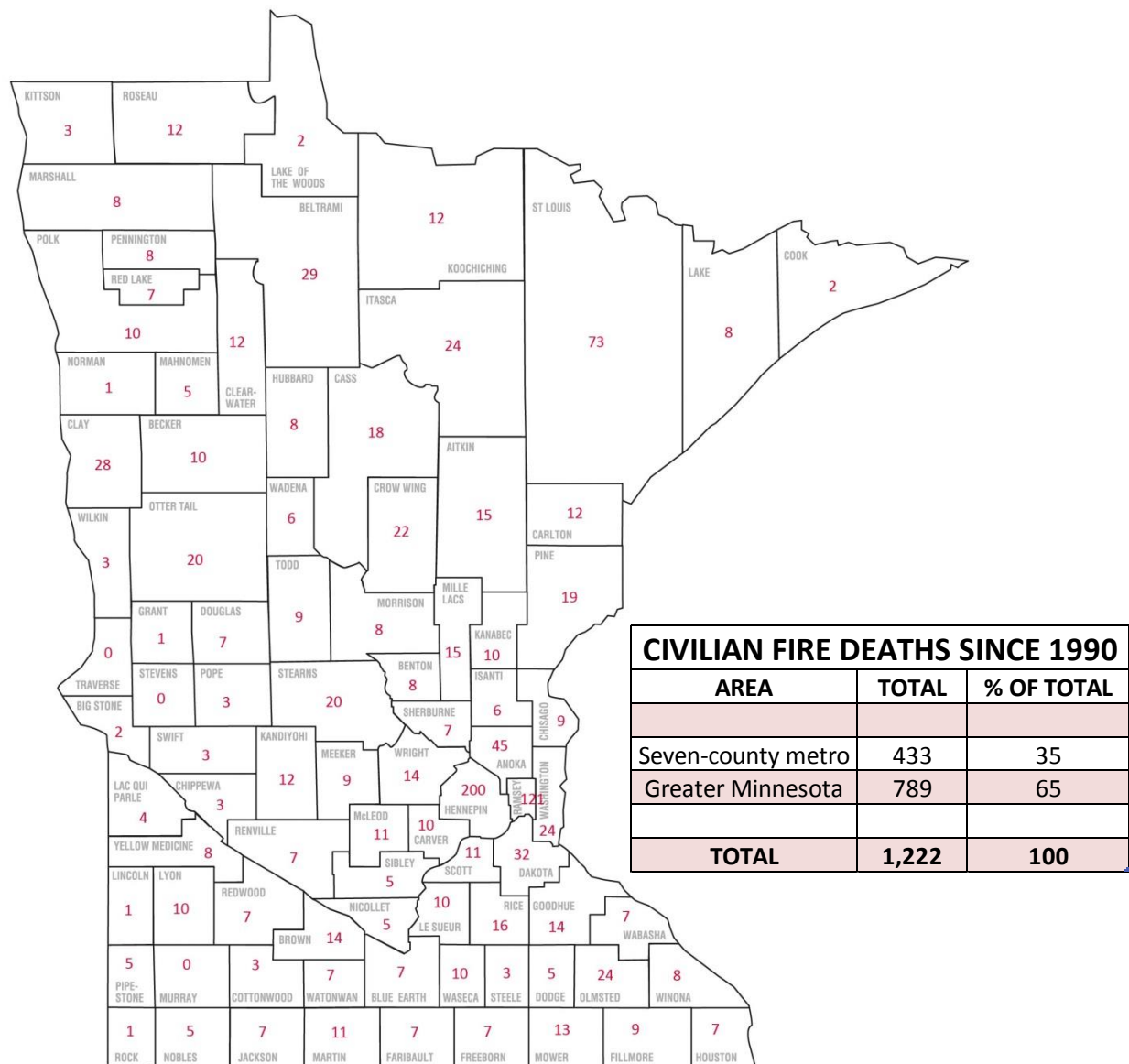
## 2013 Fire Deaths (continued)

<u>Date</u>	<u>City/Town</u>	<u>Structure</u>	<u>Cause</u>	<u>Age</u>
9/13/2013	Golden Valley	Highway	Vehicle Collision	64
9/17/2013	Willmar	Single Family	Undetermined	92
9/27/2013	Montgomery	Highway	Vehicle Collision	51
10/4/2013	Cannon Falls	Single Family	Unattended Cooking	78
10/4/2013	Scandia	Highway	Vehicle Collision	80
10/30/2013	Willow River	Highway	Undetermined	29
11/12/2013	Orr	Single Family	Undetermined	62
11/12/2013	Braham	Single Family	Undetermined	64
11/12/2013	Braham	Single Family	Undetermined	56
11/24/2013	St. Paul	Single Family	Careless Smoking	38
11/26/2013	St. Paul	Apartment	Unattended Cooking	57
11/28/2013	Bloomington	Single Family	Suicide	60
12/4/2013	Lucan	Single Family	Undetermined	7
12/4/2013	Lucan	Single Family	Undetermined	4
12/4/2013	Pipestone	Single Family	Careless Smoking	76
12/10/2013	Bemidji	Single Family	Undetermined	57
12/10/2013	Bemidji	Single Family	Undetermined	79
12/21/2013	Barnesville	Driveway	Undetermined	41
12/25/2013	Caledonia	Single Family	Undetermined	66
12/30/2013	Ponsford	Single Family	Arson	36

# Casualties

## Civilian Deaths: 1990 through 2013

In the past 24 years, 1,222 civilians have died in fires. In 2013, 46 percent of our state population lived in greater Minnesota, where the per capita fire death rate was 1.21 deaths for every 100,000 people. The per capita fire death rate for the metro area in 2013 was 0.47 per 100,000, while the rate for the state as a whole was 0.81 per 100,000. That compares favorably to the national per capita fire death rate, which was 0.9 per 100,000. There are three Minnesota counties that have remained fatality free for the past 24 years: Traverse, Stevens and Murray.





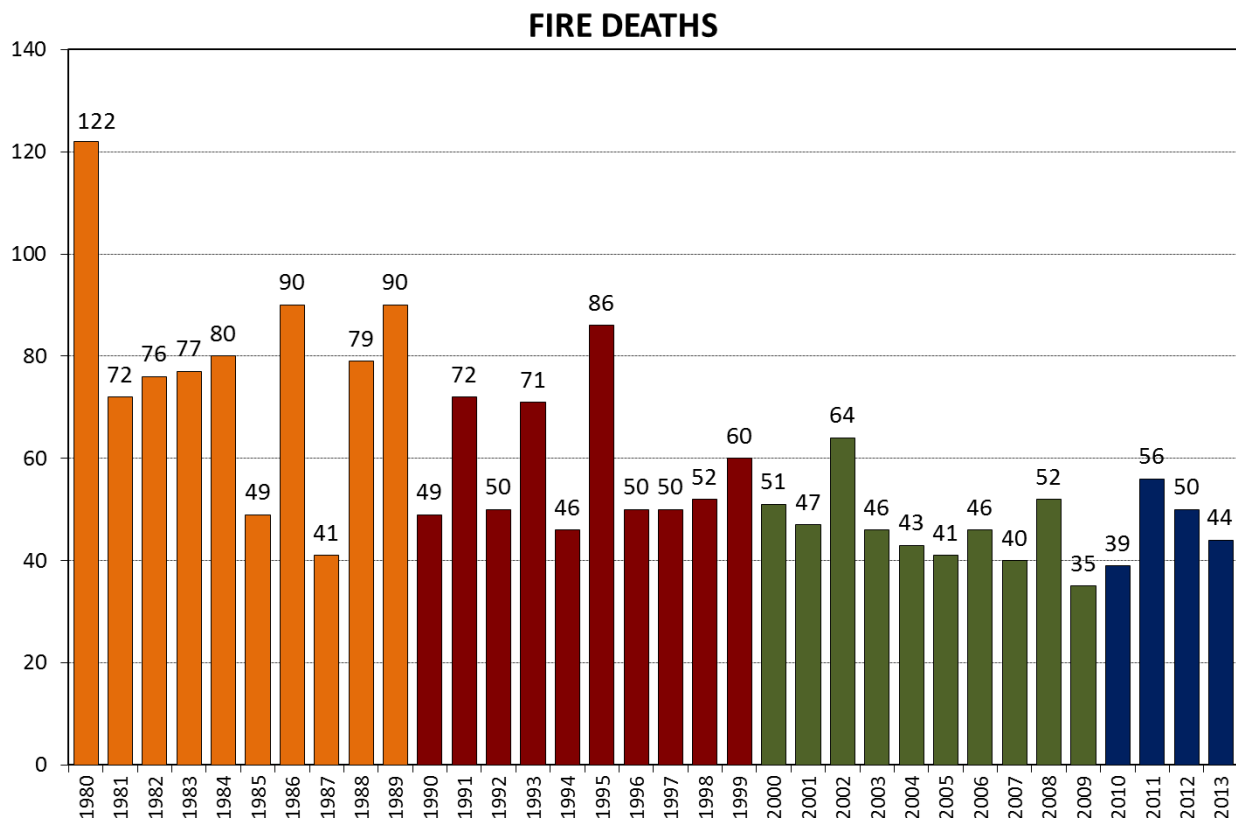
# Casualties

## 30-plus Years of Fire Death History

As Minnesota's population has grown from 3.8 million in 1970 to 5.4 million in 2013, fire deaths have decreased. During the 1980s, fire deaths in Minnesota dropped 19 percent from the levels of the 1970s. The 1990s showed a further decrease of 25 percent from the levels of the 1980s. The 2000s had a decrease of 21 percent from the 1990s.

Much of this decline in the fire death trend can be attributed to fire service advancements. 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 and code enforcement programs targeting hotels, motels, schools, and health and day-care facilities.



# Casualties

## Firefighter Deaths

The Minnesota Fire Service mourns the loss of one of its members in 2013. Rice Lake Fire Chief Matt Frantz suffered a heart attack after a mutual aid response on Dec. 9.



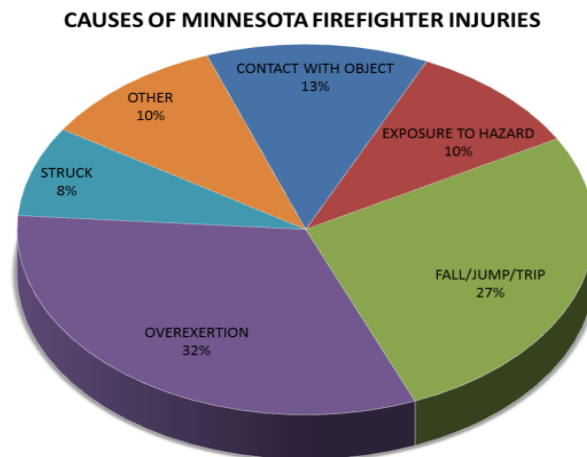
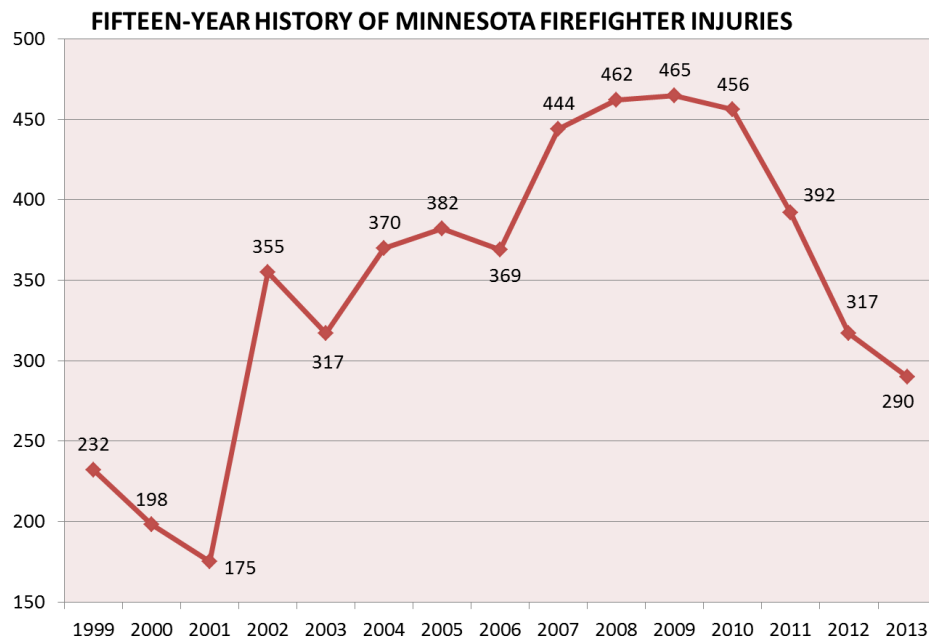
In 2013, a total of 97 on-duty firefighter deaths occurred in the United States. This is a sharp increase from the 64 on-duty deaths in 2012 and 61 on-duty deaths in 2011. We honor those who have fallen and remember them with pride and gratitude for their dedicated service in protecting their fellow citizens.



# Casualties

## Firefighter Injuries

In 2013, 290 Minnesota firefighters were injured on the job — a 7 percent drop from 2012. Of these injuries, 159 (55 percent) were fire-related. Sixty-four percent of these fire-related injuries occurred while firefighters were fighting residential structure fires (102). Of known causes, overexertion was the most common (32 percent) with fall/jump/trip as the next highest at 27 percent.



## Casualties

### Civilian Injuries Reported by Fire Departments

In 2013, 109 civilian injuries were reported through the MFIRS system, a 9 percent decrease from 2012.

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 a fire department. Contact the Minnesota Department of Health for more information on burn injuries reported to hospitals.

Many burn victims are taken to emergency rooms by private car or ambulance. A breakdown of reported injuries by gender shows that 65 percent of injuries were to males and 35 percent to females.

<b>CIVILIAN INJURIES</b>	
<b>AGE</b>	<b>NO. OF VICTIMS</b>
0-19	13
20-39	37
40-59	34
60+	25
<b>TOTAL</b>	<b>109</b>

People trying to control a fire accounted for 23 percent 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.

<b>CIVILIAN INJURIES BY ACTIVITY</b>		
<b>ACTIVITY</b>	<b>NO. OF INJURIES</b>	<b>% OF TOTAL</b>
Fire control	25	23%
Escape	12	11%
Sleeping	9	8%
Rescue attempt	4	2%
Other	20	18%
Unk./Unreported	39	38%
<b>TOTAL</b>	<b>109</b>	<b>100%</b>

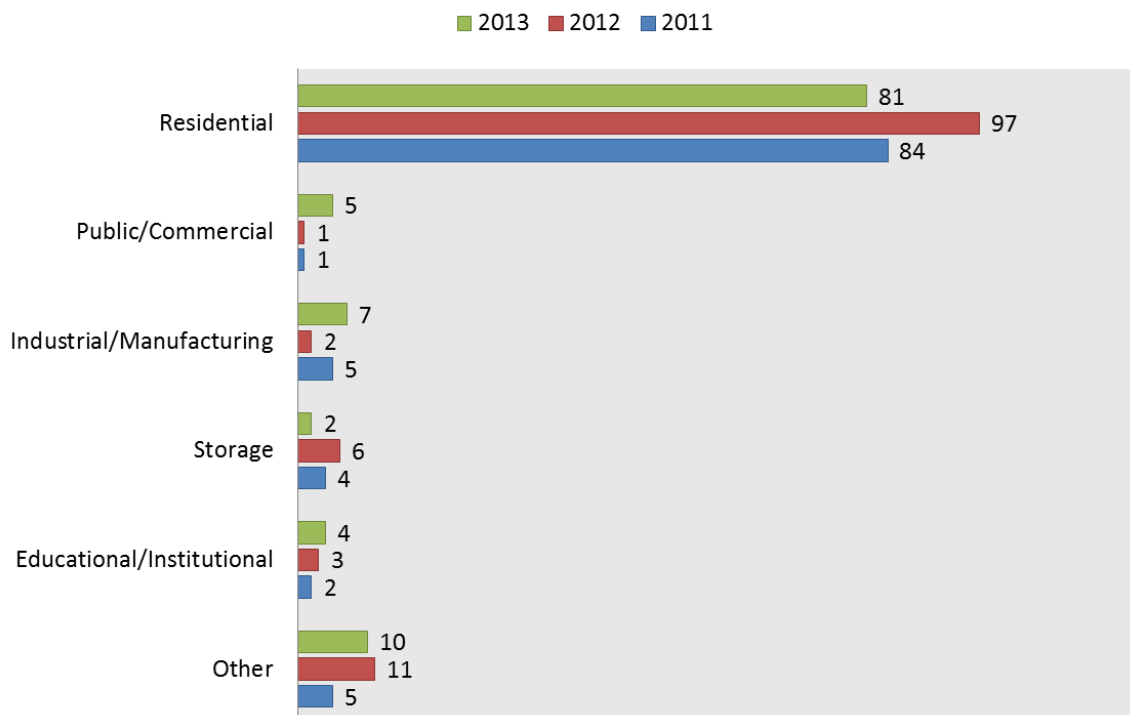
# Casualties

## Civilian Injuries Reported by Fire Departments

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

CIVILIAN INJURIES BY ACTIVITY & STRUCTURE						
ACTIVITY	RESIDENTIAL	PUB/COMM	INDUS/MANU	EDU/INST	STORAGE	OTHER
Fire control	22	0	1	0	1	1
Escaping	12	0	0	0	0	0
Rescue attempt	3	0	0	0	0	1
Sleeping	7	0	0	0	0	2
Other	16	0	1	0	1	2
Unknown	21	5	5	4	0	4
<b>TOTAL</b>	<b>81</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>2</b>	<b>10</b>

## CIVILIAN INJURIES BY PROPERTY TYPE





## Casualties

### Fireworks 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 2009 through 2013 totaled nearly \$600,000, averaging more than \$117,000 per year.

FIREWORKS INCIDENTS DOLLAR LOSS*						
JUNE/JULY	2009	2010	2011	2012	2013	TOTAL
# of incidents	61	24	15	47	27	174
Dollar loss	\$89,550	\$26,300	\$12,000	\$194,746	\$64,000	\$386,596
% of total dollar loss	94%	19%	21%	97%	68%	66%
Average dollar loss	\$1,468	\$1,096	\$800	\$4,144	\$2,370	\$2,222
TOTAL/YEAR	95,350	137,800	57,250	200,446	94,300	585,146
# of incidents	92	45	23	79	46	285
Average dollar loss	\$1,036	\$3,062	\$2,489	\$2,537	\$2,050	\$2,053

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

# Casualties

## Fireworks Injuries

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. Approximately 85 percent of Minnesota hospitals participate in the survey of fireworks injuries.

<b>FIREWORKS INJURIES BY AGE (JUNE-JULY) *</b>												
	<u>2009</u>		<u>2010</u>		<u>2011</u>		<u>2012</u>		<u>2013</u>		<u>TOTAL</u>	
<b>AGE</b>	<b>NO.</b>	<b>%</b>	<b>NO.</b>	<b>%</b>	<b>NO.</b>	<b>%</b>	<b>NO.</b>	<b>%</b>	<b>NO.</b>	<b>%</b>	<b>NO.</b>	<b>%</b>
0-9	9	16%	13	15%	17	20%	15	26%	11	18%	65	19%
10-19	11	19%	19	22%	17	20%	8	14%	14	23%	69	20%
20-29	16	28%	22	25%	19	23%	12	21%	12	20%	81	23%
30-39	12	21%	10	11%	18	21%	9	16%	14	23%	63	18%
40-49	8	14%	13	16%	4	5%	10	18%	6	10%	41	12%
50+	1	2%	10	11%	9	11%	3	5%	3	5%	26	8%
<b>TOTAL</b>	<b>57</b>	<b>100%</b>	<b>87</b>	<b>100%</b>	<b>85**</b>	<b>100%</b>	<b>57</b>	<b>100%</b>	<b>60</b>	<b>100%</b>	<b>345</b>	<b>100%</b>
Male	45	79%	61	70%	66	78%	33	58%	45	75%	250	72%
Female	12	21%	26	30%	19	22%	24	42%	15	25%	96	28%

\* Information collected from a Minnesota hospitals survey covering June 25 through July 15 annually.

\*\* There was one injury in 2011 that listed age as "unknown" or "0."

# Casualties

## Summary

Historically, Minnesotans have been at greatest risk of fire death and injury in their own homes. In 2013, 73 percent of fire deaths and 74 percent of civilian injuries occurred in residential settings. Ninety-four percent of structural fire deaths were in residential property. The presence or absence of working smoke alarms is often a factor in fire fatalities. In 12 percent of fire deaths occurring in dwellings, smoke alarms were not present or not working. In 58 percent of residential deaths, it was not known whether alarms were present or functioning.

Careless smoking and unattended cooking are tied for the leading cause of fire deaths in 2013, representing 46 percent of known causes. Alcohol or drug use was an impairing factor in 36 percent of all fire deaths.

Total fire deaths decreased by 12 percent from 2012; the youngest age group (0-19 years) increased by 200 percent in 2013 and the 20-39 year age group stayed the same as well as the middle age group (40-59 years). The 60+ group went down by 29 percent and represents the largest number of all fire fatalities from 2013.

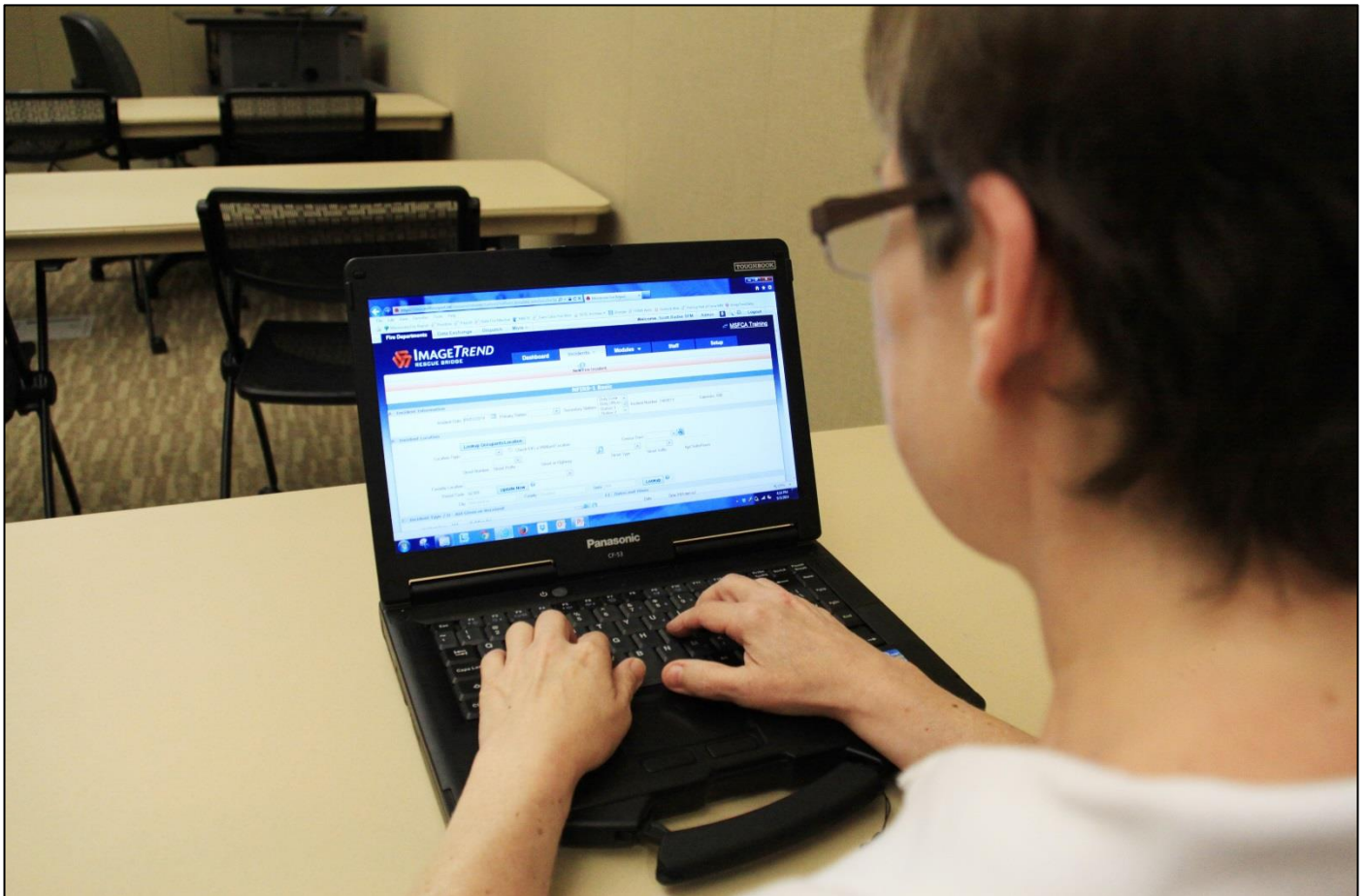
Twenty-three percent of civilian fire injuries occurred during attempts to extinguish the fire, indicating a continuing need to educate our citizens on fire-safe behaviors in the home. Getting out as quickly as possible, and not re-entering the home once outside, must be emphasized in all age groups.

Fifty-five percent of firefighter injuries took place while fighting fires; 64 percent of these fire-related injuries occurred at residential structure fires.

Overall, fire deaths have decreased over the past 30 years in Minnesota, even as the 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.

MINNESOTA'S FIRE DEATHS	
DECADE	DEATHS
1970s	961
1980s	776
1990s	585
2000s	465
2010s	473 (estimate)

# Participation



## Participation

### **Minnesota Fire Incident Reporting System**

The Minnesota State Fire Marshal Division appreciates the efforts of the fire departments that submitted data via the Minnesota Fire Incident Reporting System (MFIRS) in 2013.

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 planning for staffing and equipment.

Fire data 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.

Information about reporting departments is listed on the following pages. In 78 counties last year, 100 percent of the fire departments reported via the MFIRS system.



## Participation

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. The fire rate equals one fire per number of persons indicated. For example, in Aitkin County in 2013, there was one fire for every 314 people.

### Department Runs, Dollar Losses and Deaths Per County

<u>County</u>	<u>Population</u>	<u>Fire Runs</u>	<u>Other Runs</u>	<u>Total County Dollar Loss</u>	<u>Fire Rate</u>	<u>Avg. \$\$ Loss/Fire</u>	<u>Fire Deaths</u>
Aitkin	16,031	56	118	\$1,480,550	314	\$29,030	
Anoka	319,950	794	15,980	\$10,106,545	492	\$15,549	
Becker	31,817	208	375	\$4,910,135	200	\$30,881	1
Beltrami	42,263	133	2,038	\$2,372,222	399	\$22,379	1
Benton	38,099	90	462	\$548,700	515	\$7,415	
Big Stone	5,602	22	20	\$205,852	280	\$10,293	1
Blue Earth	57,409	151	2,696	\$1,619,787	404	\$11,407	
Brown	26,763	79	116	\$1,903,231	406	\$28,837	1
Carlton	33,639	175	1,155	\$1,185,280	263	\$9,260	1
Carver	82,122	255	2,179	\$2,794,730	647	\$22,006	
Cass	28,460	144	366	\$3,607,137	224	\$31,096	
Chippewa	12,659	34	86	\$89,700	422	\$2,990	
Chisago	48,349	156	758	\$776,650	424	\$6,813	
Clay	52,905	196	2,547	\$2,601,845	335	\$16,467	2
Clearwater	8,437	54	76	\$61,500	165	\$1,206	1
Cook	5,317	44	64	\$441,500	242	\$20,068	
Cottonwood	11,961	24	32	\$158,001	544	\$7,182	
Crow Wing	59,431	269	2,152	\$4,598,000	293	\$22,650	
Dakota	379,058	759	16,759	\$10,252,431	553	\$14,945	1
Dodge	19,355	57	377	\$617,900	450	\$14,370	
Douglas	34,628	146	418	\$2,615,251	279	\$21,091	
Faribault	15,642	69	140	\$1,211,500	126	\$26,337	
Fillmore	21,321	53	137	\$854,785	444	\$17,808	
Freeborn	31,971	107	860	\$1,655,609	400	\$20,695	1
Goodhue	45,496	129	1,386	\$1,691,449	382	\$14,214	1
Grant	6,118	53	47	\$1,352,155	170	\$37,560	
Hennepin	1,120,897	3,253	76,501	\$32,723,437	409	\$11,934	6
Houston	19,890	39	395	\$209,800	663	\$6,993	1
Hubbard	18,849	81	66	\$4,190,830	273	\$60,737	2
Isanti	36,546	96	838	\$1,385,200	420	\$15,922	2
Itasca	44,316	202	1,125	\$2,333,448	288	\$15,152	
Jackson	11,234	39	84	\$154,400	340	\$4,679	
Kanabec	16,056	48	57	\$1,663,102	382	\$39,598	
Kandiyohi	41,191	169	405	\$6,045,737	312	\$45,801	1
Kittson	4,820	47	48	\$220,500	201	\$9,188	
Koochiching	13,863	25	1,171	\$3,586,300	555	\$143,452	
Lac Qui Parle	7,756	44	46	\$631,365	235	\$19,132	
Lake	11,218	44	162	\$1,894,250	340	\$63,142	1
Lake of the Woods	4,404	17	7	\$103,700	489	\$11,522	
LeSueur	27,166	58	386	\$1,484,862	604	\$32,997	1

# Participation

## Department Runs, Dollar Losses and Deaths Per County (continued)

<u>County</u>	<u>Population</u>	<u>Fire Runs</u>	<u>Other Runs</u>	<u>Total County Dollar Loss</u>	<u>Fire Rate</u>	<u>Avg. \$\$ Loss/Fire</u>	<u>Fire Deaths</u>
Lincoln	6,178	16	7	\$111,300	412	\$7,420	
Lyon	24,703	105	195	\$476,300	386	\$7,442	1
McLeod	5,081	119	972	\$2,852,502	416	\$32,787	
Mahnomen	10,015	33	15	\$155,100	254	\$7,755	
Marshall	21,044	56	144	\$671,450	218	\$14,597	
Martin	36,190	65	153	\$922,850	413	\$18,095	
Meeker	23,277	92	329	\$960,900	310	\$12,812	
Mille Lacs	25,079	144	397	\$6,049,834	214	\$51,708	
Morrison	32,689	165	392	\$1,591,300	222	\$10,825	
Mower	38,998	133	607	\$713,775	320	\$5,851	
Murray	8,995	53	59	\$251,500	225	\$6,288	
Nicollet	30,829	85	246	\$705,325	422	\$9,662	
Nobles	20,477	75	194	\$1,093,501	281	\$16,823	
Norman	7,085	52	75	\$6,656,650	283	\$266,266	
Olmsted	133,283	259	9,032	\$3,502,144	529	\$13,897	1
Otter Tail	57,931	270	596	\$3,354,800	331	\$19,170	
Pennington	13,545	86	157	\$794,050	167	\$9,803	1
Pine	28,116	148	358	\$3,663,180	268	\$34,887	1
Pipestone	9,579	44	72	\$1,267,730	259	\$34,263	1
Polk	31,123	183	1,414	\$2,354,735	203	\$15,390	
Pope	11,227	51	83	\$91,800	288	\$2,354	
Ramsey	499,498	1,647	29,190	\$7,160,206	314	\$4,500	5
Red Lake	4,289	30	30	\$105,500	153	\$3,768	
Redwood	16,201	56	46	\$2,072,350	415	\$53,137	3
Renville	16,701	62	75	\$979,400	440	\$25,774	
Rice	60,418	118	2,209	\$2,321,500	525	\$20,187	
Rock	9,579	44	107	\$712,250	83	\$19,250	
Roseau	16,308	56	68	\$738,300	308	\$13,930	
St. Louis	114,794	928	19,412	\$14,654,752	298	\$22,037	1
Scott	78,762	330	3,384	\$12,823,175	506	\$56,490	
Sherburne	15,230	225	1,352	\$3,537,670	455	\$20,449	1
Sibley	198,136	47	206	\$730,245	423	\$20,285	
Stearns	141,055	514	6,700	\$3,552,074	308	\$7,756	1
Steele	35,166	98	526	\$2,922,662	404	\$33,594	
Stevens	9,935	30	85	\$1,700,000	414	\$70,833	
Swift	11,478	38	60	\$277,850	370	\$8,963	
Todd	24,647	112	312	\$356,632	316	\$4,572	
Traverse	3,871	12	6	\$36,250	50	\$3,295	
Wabasha	22,215	73	278	\$1,758,550	444	\$35,171	
Wadena	13,603	81	33	\$3,263,700	223	\$53,503	
Waseca	19,270	69	819	\$878,277	378	\$17,221	
Washington	216,660	392	13,849	\$5,171,521	706	\$16,845	2
Watsonwan	11,390	63	95	\$977,750	242	\$20,803	
Wilkin	6,784	31	66	\$388,812	261	\$14,954	
Winona	49,046	132	2,478	\$4,363,300	446	\$39,666	
Wright	106,889	311	2,645	\$2,645,061	453	\$11,208	
Yellow Medicine	10,580	32	60	\$363,600	392	\$13,467	1

# Fire Department Responses and Dollar Loss as Reported Via MFIRS

48

<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>	<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>
ADA	NORMAN	11	49	\$6,248,000	BECKER	SHERBURNE	37	340	\$517,970
ADAMS	MOWER	6	23	\$16,000	BELGRADE	STEARNS	11	69	\$201,500
ADRIAN	NOBLES	4	47	\$180,700	BELLE PLAINE	SCOTT	25	131	\$530,050
AITKIN	AITKIN	26	51	\$1,194,050	BELLINGHAM	LAC QUI PARLE	8	14	\$65,200
ALASKA	BELTRAMI	3	0	\$30,200	BELTRAMI	POLK	6	6	\$0
ALBANY	STEARNS	16	148	\$665,153	BELVIEW	REDWOOD	4	2	\$0
ALBERT LEA	FREEBORN	39	660	\$510,800	BEMIDJI	BELTRAMI	102	2,007	\$1,555,522
ALBERT LEA TWP.	FREEBORN	11	38	\$218,250	BENSON	SWIFT	19	48	\$181,150
ALBERTVILLE	WRIGHT	21	207	\$6,000	BERTHA	TODD	11	66	\$20,500
ALBORN	ST. LOUIS	7	21	\$165,000	BETHEL	ANOKA	15	19	\$0
ALDEN	FREEBORN	7	56	\$765,500	BIG FALLS	KOOCHICHING	0	0	\$0
ALEXANDRIA	DOUGLAS	62	131	\$1,001,800	BIG LAKE	SHERBURNE	33	160	\$312,350
ALMELUND	CHISAGO	9	66	\$50,000	BIGELOW	NOBLES	6	0	\$3,300
ALPHA	JACKSON	3	14	\$0	BIGFORK	ITASCA	16	21	\$157,000
ALTURA	WINONA	2	3	\$160,000	BIRCHDALE	KOOCHICHING	0	1	\$0
ALVARADO	MARSHALL	8	19	\$13,000	BIRD ISLAND	RENVILLE	4	7	\$0
AMBOY	BLUE EARTH	6	35	\$455,000	BIWABIK	ST. LOUIS	4	7	\$491,300
ANDOVER	ANOKA	47	1,106	\$1,197,300	BIWABIK TWP.	ST. LOUIS	21	28	\$305,000
ANNANDALE	WRIGHT	13	161	\$61,000	BLACKDUCK	BELTRAMI	10	18	\$29,000
ANOKA-CHAMPLIN	ANOKA	80	541	\$252,900	BLACKHOOF	CARLTON	11	34	\$8,000
APPLE VALLEY	DAKOTA	75	1,379	\$821,309	BLOMKEST	KANDIYOHI	7	14	\$7,000
ARCO	LINCOLN	0	0	\$0	BLOOMING PRAIRIE	STEELE	17	24	\$962,527
ARGYLE	MARSHALL	8	62	\$0	BLOOMINGTON	HENNEPIN	203	1,030	\$1,648,634
ARLINGTON	SIBLEY	16	48	\$447,000	BLUE EARTH	FARIBAULT	17	51	\$164,500
ARROWHEAD	ST. LOUIS	13	5	\$0	BLUFFTON	OTTERTAIL	7	0	\$117,500
ASHBY	GRANT	11	0	\$5,000	BOIS FORTE	ST. LOUIS	1	4	\$40,000
ASKOV	PINE	7	9	\$315,500	BORUP	NORMAN	8	8	\$0
ATWATER	KANDIYOHI	12	30	\$430,001	BOVEY	ITASCA	4	102	\$0
AUDUBON	BECKER	3	2	\$435,000	BOWLUS	MORRISON	7	3	\$15,000
AURORA	ST. LOUIS	7	22	\$0	BOYD	LAC QUI PARLE	8	13	\$203,000
AUSTIN	MOWER	96	451	\$534,725	BRAHAM	ISANTI	9	7	\$377,500
AVON	STEARNS	14	131	\$237,000	BRAINERD	CROW WING	95	1,158	\$1,487,730
BABBITT	ST. LOUIS	11	30	\$54,250	BRANDON	DOUGLAS	14	61	\$149,400
BACKUS	CASS	11	9	\$451,500	BRECKENRIDGE	WILKIN	14	7	\$191,500
BADGER	ROSEAU	13	2	\$50,500	BREITUNG TWP.	ST. LOUIS	7	18	\$0
BAGLEY	CLEARWATER	23	27	\$0	BREVATOR TWP.	ST. LOUIS	7	2	\$0
BALATON	LYON	13	13	\$0	BREWSTER	NOBLES	9	30	\$71,000
BALSAM VOL.	ITASCA	6	66	\$0	BRICELYN	FARIBAULT	5	3	\$4,000
BARNESVILLE	CLAY	16	50	\$36,600	BRIMSON	ST. LOUIS	4	18	\$20,000
BARNUM	CARLTON	10	77	\$0	BROOK PARK	PINE	13	11	\$2,014,080
BARRETT	GRANT	7	25	\$0	BROOKLYN CENTER	HENNEPIN	117	1,996	\$612,251
BATTLE LAKE	OTTERTAIL	14	10	\$18,000	BROOKLYN PARK	HENNEPIN	286	7,828	\$3,285,032
BAUDETTE	LAKE OF THE WOODS	8	7	\$49,200	BROOTEN	STEARNS	9	35	\$40,050
BAYPORT	WASHINGTON	27	1,175	\$99,650	BROWERVILLE	TODD	13	43	\$0
BEAR CREEK	CLEARWATER	0	0	\$0	BROWNS VALLEY	TRAVERSE	0	1	\$0
BEARDSLEY	BIG STONE	4	2	\$25,002	BROWNSDALE	MOWER	4	74	\$0
BEARVILLE TWP.	ITASCA	4	7	\$55,000	BROWNSVILLE	HOUSTON	4	29	\$101,000
BEAVER CREEK	ROCK	6	16	\$30,000	BROWNTON	MCLEOD	6	64	\$31,500

<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>	<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>
BRUNO	PINE	7	2	\$1,000	COLERAINE	ITASCA	8	99	\$52,000
BUFFALO	WRIGHT	29	185	\$167,500	COLOGNE	CARVER	15	66	\$188,000
BUFFALO LAKE	RENVILLE	8	3	\$4,900	COLUMBIA HEIGHTS	ANOKA	77	2,724	\$715,334
BUHL	ST. LOUIS	6	8	\$4,600	COLVILL AREA	COOK	10	14	\$0
BURNSVILLE	DAKOTA	107	5,308	\$1,994,856	COLVIN TWP.	ST. LOUIS	2	5	\$0
BUTTERFIELD	WATONWAN	7	21	\$306,900	COMFREY	BROWN	9	5	\$83,650
BUYCK	ST. LOUIS	1	4	\$0	CONGER	FREEBORN	2	0	\$105,000
BYRON	OLMSTED	13	46	\$824,501	COOK	ST. LOUIS	18	27	\$3,969,200
CALEDONIA	HOUSTON	1	5	\$5,000	COON RAPIDS	ANOKA	106	4,687	\$1,843,168
CALLAWAY	BECKER	7	10	\$0	CORRELL	BIG STONE	0	0	\$0
CAMBRIDGE	ISANTI	29	134	\$305,900	COSMOS	MEEKER	5	8	\$0
CAMP RIPLEY	MORRISON	17	57	\$0	COTTAGE GROVE	WASHINGTON	37	2,569	\$406,316
CAMPBELL	WILKIN	1	0	\$3,000	COTTON VOL.	ST. LOUIS	8	39	\$121,000
CANBY	YELLOW MEDICINE	7	10	\$145,000	COTTONWOOD	LYON	7	16	\$70,000
CANNON FALLS	GOODHUE	29	309	\$0	COURTLAND	NICOLLET	6	33	\$41,200
CANOSIA	ST. LOUIS	18	123	\$8,300	CRANE LAKE	ST. LOUIS	2	16	\$10,000
CANTON	FILLMORE	3	7	\$0	CROMWELL	CARLTON	6	16	\$1,000
CARLOS	DOUGLAS	4	0	\$120,000	CROOKED LAKE TWP.	CASS	6	8	\$0
CARLTON	CARLTON	23	96	\$86,450	CROOKSTON	POLK	55	220	\$921,135
CARSONVILLE	BECKER	33	156	\$79,400	CROSBY	CROW WING	18	35	\$26,220
CARVER	CARVER	22	125	\$391,301	CROSSLAKE	CROW WING	15	284	\$349,200
CASS LAKE	CASS	47	64	\$183	CULVER	ST. LOUIS	9	11	\$200
CENTENNIAL	ANOKA	26	1,040	\$318,750	CURRIE	MURRAY	10	5	\$1,500
CENTER CITY	CHISAGO	13	10	\$143,500	CUYUNA	CROW WING	6	3	\$5,500
CENTRAL LAKES	ST. LOUIS	4	6	\$143,001	CYRUS	POPE	1	11	\$0
CEYLON	MARTIN	5	4	\$3,200	DAKOTA	WINONA	3	63	\$0
CHAIN OF LAKES	STEARNS	7	11	\$1,500	DALBO	ISANTI	8	67	\$43,000
CHANDLER	MURRAY	5	18	\$200,000	DALTON	OTTERTAIL	8	52	\$0
CHANHASSEN	CARVER	19	553	\$389,003	DANUBE	RENVILLE	0	1	\$0
CHASKA	CARVER	48	388	\$585,126	DANVERS	SWIFT	3	2	\$5,500
CHATFIELD	FILLMORE	11	33	\$70,010	DARFUR	WATONWAN	5	7	\$0
CHERRY TWP.	ST. LOUIS	10	48	\$10,500	DASSEL	MEEKER	29	206	\$372,200
CHISAGO CITY	CHISAGO	13	51	\$32,000	DAWSON	LAC QUI PARLE	9	12	\$165,100
CHISHOLM	ST. LOUIS	20	46	\$81,000	DAYTON	HENNEPIN	10	224	\$153,000
CHOKIO	STEVENS	5	6	\$65,000	DEER CREEK	OTTERTAIL	11	63	\$220,000
CLARA CITY	CHIPPEWA	9	15	\$0	DEER RIVER	ITASCA	23	32	\$1,140,000
CLAREMONT	DODGE	4	17	\$5,700	DEERWOOD	CROW WING	11	25	\$68,100
CLARISSA	TODD	15	95	\$8,002	DEGRAFF	SWIFT	4	2	\$1,200
CLARKFIELD	YELLOW MEDICINE	4	2	\$15,100	DELANO	WRIGHT	21	450	\$116,000
CLARKS GROVE	FREEBORN	6	1	\$1,000	DELAVAN	FARIBAULT	1	3	\$0
CLEAR LAKE	SHERBURNE	22	161	\$45,000	DENT	OTTERTAIL	18	11	\$227,050
CLEARBROOK	CLEARWATER	12	44	\$0	DETROIT LAKES	BECKER	47	155	\$481,000
CLEARWATER	WRIGHT	20	192	\$322,100	DEXTER	MOWER	0	1	\$0
CLEMENTS	REDWOOD	1	0	\$190,000	DILWORTH	CLAY	37	35	\$592,000
CLEVELAND	LESUEUR	8	53	\$505,000	DODGE CENTER	DODGE	13	191	\$154,500
CLIFTON TWP.	ST. LOUIS	11	14	\$3,100	DONNELLY	STEVENS	8	17	\$130,000
CLIMAX	POLK	1	4	\$0	DOVER	OLMSTED	7	25	\$136,500
CLINTON	BIG STONE	4	4	\$23,000	DOVRAY	MURRAY	4	1	\$200
CLINTON TWP.	ST. LOUIS	1	5	\$0	DULUTH	ST. LOUIS	251	10,477	\$1,785,106
CLONTARF	SWIFT	2	0	\$0	DUMONT	TRAVERSE	1	0	\$5,750
CLOQUET AREA	CARLTON	39	432	\$378,500	DUNNELL-LK. FREMNT.	MARTIN	3	21	\$10,000
COHASSET	ITASCA	34	181	\$67,900	DUXBURY	PINE	0	14	\$0
COKATO	WRIGHT	22	43	\$290,100	EAGAN	DAKOTA	92	1,215	\$1,404,842
COLD SPRING	STEARNS	11	310	\$119,500	EAGLE BEND	TODD	12	0	\$45,000

<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>	<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>
EAGLE LAKE	BLUE EARTH	7	106	\$500	FRANKLIN	RENVILLE	6	6	\$420,000
EAGLES NEST	ST. LOUIS	6	22	\$0	FRAZEE	BECKER	27	27	\$6,500
EAST BETHEL	ANOKA	34	499	\$739,000	FREDENBERG TWP.	ST. LOUIS	5	47	\$121,000
EAST GRAND FORKS	POLK	37	986	\$231,170	FREEBORN	FREEBORN	6	3	\$12,500
EAST HUBBARD CO.	HUBBARD	9	12	\$160,000	FREEPORT	STEARNS	6	10	\$67,100
EASTON	FARIBAULT	0	11	\$0	FRENCH TWP.	ST. LOUIS	5	12	\$3,700
ECHO	YELLOW MEDICINE	0	0	\$0	FRIDLEY	ANOKA	129	2,874	\$920,589
EDEN PRAIRIE	HENNEPIN	50	1,547	\$453,000	FROST	FARIBAULT	1	0	\$0
EDEN VALLEY	MEEKER	12	15	\$29,500	FULDA	MURRAY	15	15	\$44,900
EDGERTON	PIPESTONE	12	16	\$725,000	GARFIELD	DOUGLAS	13	50	\$1,042,651
EDINA	HENNEPIN	98	4,610	\$1,946,745	GARRISON	CROW WING	31	164	\$1,881,400
EITZEN	HOUSTON	4	29	\$0	GARVIN	LYON	6	5	\$0
ELBOW LAKE	GRANT	12	82	\$291,535	GARY	NORMAN	2	0	\$0
ELBOW-TULABY LKS.	BECKER	8	2	\$0	GAYLORD	SIBLEY	9	28	\$180,100
ELGIN	WABASHA	12	18	\$81,000	GENEVA	FREEBORN	6	29	\$0
ELIZABETH	OTTERTAIL	9	24	\$1,400	GHENT	LYON	7	8	\$0
ELK RIVER	SHERBURNE	74	372	\$2,378,800	GIBBON	SIBLEY	4	2	\$7,000
ELLEDALE	STEELE	3	2	\$12,200	GILBERT	ST. LOUIS	10	9	\$170,000
ELLSBURG	ST. LOUIS	3	13	\$380,500	GLENCOE	MCLEOD	19	68	\$23,500
ELLSWORTH	NOBLES	9	26	\$175,200	GLENVILLE	FREEBORN	2	20	\$8,500
ELMORE	FARIBAULT	8	34	\$97,500	GLENWOOD	POPE	32	71	\$37,300
ELROSA	STEARNS	2	18	\$0	GLYNDON	CLAY	22	45	\$175,700
ELY	ST. LOUIS	14	195	\$1,141,800	GNESEN TWP.	ST. LOUIS	5	18	\$0
ELYSIAN	LESUEUR	5	53	\$455,000	GOLDEN VALLEY	HENNEPIN	69	727	\$1,151,290
EMBARRASS	ST. LOUIS	14	53	\$66,500	GONVICK	CLEARWATER	13	0	\$0
EMILY	CROW WING	9	12	\$63,000	GOOD THUNDER	BLUE EARTH	1	53	\$0
EMMONS	FREEBORN	5	40	\$1,059	GOODHUE	GOODHUE	19	13	\$659,800
ERSKINE	POLK	13	68	\$8,620	GOODLAND	ITASCA	6	0	\$0
EVANSVILLE	DOUGLAS	6	41	\$53,200	GOODRIDGE	PENNINGTON	19	0	\$8,000
EVELETH	ST. LOUIS	27	86	\$167,500	GOODVIEW	WINONA	11	168	\$8,000
EVERGREEN	ST. LOUIS	11	1	\$0	GRACEVILLE	BIG STONE	3	6	\$28,700
EXCELSIOR	HENNEPIN	52	625	\$1,599,700	GRANADA	MARTIN	0	0	\$0
EYOTA	OLMSTED	7	28	\$80,200	GRAND LAKE	ST. LOUIS	1	76	\$400
FAIRFAX	RENVILLE	7	13	\$55,000	GRAND MARAIS	COOK	4	17	\$0
FAIRMONT	MARTIN	36	113	\$528,050	GRAND MEADOW	MOWER	11	32	\$109,800
FALCON HEIGHTS	RAMSEY	18	73	\$300	GRAND PORTAGE	COOK	0	0	\$0
FARIBAULT	RICE	59	2,010	\$306,500	GRAND RAPIDS	ITASCA	45	215	\$610,548
FARMINGTON	DAKOTA	26	351	\$652,400	GRANITE FALLS	YELLOW MEDICINE	8	30	\$68,000
FAYAL	ST. LOUIS	28	127	\$60,200	GREANY.-RAUCH-SLVRDL.	ST. LOUIS	5	0	\$27,520
FEDERAL DAM	CASS	1	3	\$0	GREEN ISLE	SIBLEY	4	25	\$45
FELTON	CLAY	5	0	\$11,350	GREENBUSH	ROSEAU	15	7	\$164,500
FERGUS FALLS	OTTERTAIL	45	189	\$2,200,550	GREENWAY TWP.	ITASCA	12	205	\$0
FERTILE	POLK	25	11	\$1,075,710	GREENWOOD TWP.	ST. LOUIS	3	55	\$45,000
FIFTY LAKES	CROW WING	6	20	\$0	GREY EAGLE	TODD	9	0	\$0
FINLAND	LAKE	6	11	\$1,025,000	GROVE CITY	MEEKER	7	20	\$0
FISHER	POLK	6	25	\$100	GRYGLA	MARSHALL	3	0	\$170,200
FLENSBURG	MORRISON	0	0	\$0	GUNFLINT TRL.	COOK	3	0	\$4,000
FLOODWOOD	ST. LOUIS	8	25	\$20,000	HACKENSACK	CASS	9	8	\$22,140
FOLEY	BENTON	22	191	\$503,700	HALLOCK	KITTSO	10	19	\$5,500
FORADA TWP	DOUGLAS	9	35	\$2,000	HALSTAD	NORMAN	9	8	\$2,500
FOREST LAKE	WASHINGTON	36	289	\$354,600	HAM LAKE	ANOKA	31	391	\$157,100
FORESTON	MILLE LACS	16	47	\$50,000	HAMBURG	CARVER	12	23	\$0
FOSSTON	POLK	15	44	\$0	HAMEL	HENNEPIN	21	172	\$8,000
FOUNTAIN	FILLMORE	0	1	\$0	HANCOCK	STEVENS	5	1	\$416,000



<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>	<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>
HANLEY FALLS	YELLOW MEDICINE	3	1	\$25,000	KABETOGEA	ST. LOUIS	0	2	\$0
HANOVER	HENNEPIN	26	68	\$624,800	KANDIYOHI	KANDIYOHI	12	53	\$81,500
HANSKA	BROWN	7	2	\$128,201	KITTSO	KITTSO	11	25	\$196,500
HARDWICK	ROCK	3	11	\$6,200	KASOTA	LESUEUR	7	71	\$0
HARMONY	FILLMORE	5	8	\$202,000	KASSON	DODGE	9	36	\$200,600
HARRIS	CHISAGO	3	1	\$0	KEEWATIN	ITASCA	9	89	\$0
HARTLAND	FREEBORN	0	0	\$0	KELLIHER	BELTRAMI	9	11	\$309,000
HASTINGS	DAKOTA	79	470	\$912,151	KELLOGG	WABASHA	4	0	\$0
HAWLEY	CLAY	22	56	\$128,200	KELSEY	ST. LOUIS	0	0	\$0
HAYFIELD	DODGE	14	22	\$36,500	KENNEDY	KITTSO	7	9	\$18,000
HAYWARD	FREEBORN	9	0	\$0	KENSINGTON	DOUGLAS	5	20	\$5,000
HECTOR	RENVILLE	10	8	\$385,500	KENYON	GOODHUE	5	11	\$0
HENDERSON	SIBLEY	2	61	\$1,200	KERKHOVEN	SWIFT	10	9	\$90,000
HENDRICKS	LINCOLN	1	1	\$0	KERRICK	PINE	7	0	\$1,000
HENDRUM	NORMAN	5	3	\$0	KETTLE RIVER	CARLTON	12	3	\$74,200
HENNING	OTTERTAIL	17	7	\$331,200	KIESTER	FARIBAULT	2	0	\$105,500
HERMAN	GRANT	5	0	\$12,100	KILKENNY	LESUEUR	6	0	\$111,000
HERMANTOWN	ST. LOUIS	25	804	\$92,100	KIMBALL	STEARNS	9	107	\$700
HERON LAKE	JACKSON	6	16	\$0	KINNEY-GRT. SCOTT	ST. LOUIS	1	0	\$122,500
HEWITT	TODD	6	9	\$14,000	LACRESCENT	HOUSTON	12	272	\$8,800
HIBBING	ST. LOUIS	68	2,698	\$1,447,840	LAFAYETTE	NICOLLET	2	23	\$0
HIDDEN VALLEY	WINONA	1	31	\$0	LAKE BENTON	LINCOLN	5	4	\$0
HILL CITY	AITKIN	11	16	\$275,000	LAKE BRONSON	KITTSO	12	7	\$500
HILLS	ROCK	6	32	\$348,100	LAKE CITY	WABASHA	22	71	\$457,450
HINCKLEY	PINE	31	36	\$0	LAKE CRYSTAL	BLUE EARTH	11	40	\$111,120
HITTERDAL	CLAY	2	1	\$0	LAKE ELMO	WASHINGTON	28	420	\$89,500
HOFFMAN	GRANT	6	1	\$0	LAKE GEORGE	HUBBARD	3	0	\$65,250
HOKAH	HOUSTON	9	48	\$75,000	LAKE HENRY	STEARNS	7	10	\$123,700
HOLDINGFORD	STEARNS	8	70	\$0	LAKE JOHANNA	RAMSEY	38	2,107	\$348,087
HOLLAND	PIPESTONE	1	0	\$850	LAKE LILLIAN	KANDIYOHI	7	4	\$201,325
HOLLANDALE	FREEBORN	5	25	\$5,000	LAKE PARK	BECKER	15	11	\$0
HOPKINS	HENNEPIN	38	1,282	\$431,100	LAKE WILSON	MURRAY	5	3	\$1,600
HOUSTON	HOUSTON	3	6	\$20,000	LAKEFIELD	JACKSON	13	20	\$65,900
HOVLAND	COOK	11	21	\$10,000	LAKELAND	ST. LOUIS	7	31	\$0
HOWARD LAKE	WRIGHT	15	94	\$131,500	LAKEPORT	HUBBARD	13	13	\$169,000
HOYT LAKES	ST. LOUIS	6	14	\$17,500	LAKEVILLE	DAKOTA	55	829	\$947,050
HUGO	WASHINGTON	24	577	\$46,600	LAKEWOOD TWP.	ST. LOUIS	17	88	\$43,000
HUTCHINSON	MCLEOD	37	351	\$2,027,252	LAMBERTON	REDWOOD	5	1	\$150
IDEAL TWP.	CROW WING	16	91	\$85,000	LANCASTER	KITTSO	7	2	\$0
INDUSTRIAL	ST. LOUIS	5	37	\$0	LANESBORO	FILLMORE	3	5	\$51,500
INTERNATIONAL FALLS	KOOCHICHING	18	1,159	\$3,582,500	LASALLE	WATONWAN	2	0	\$0
INVER GROVE HTS.	DAKOTA	109	1,061	\$591,613	LEAF VALLEY TWP.	DOUGLAS	1	3	\$0
IONA	MURRAY	2	0	\$0	LECENTER	LESUEUR	6	23	\$323,012
IRONTON	CROW WING	1	3	\$0	LE ROY	LESUEUR	1	15	\$0
ISANTI	ISANTI	50	639	\$658,800	LESTER PRAIRIE	MCLEOD	18	120	\$90,200
ISLE	MILLE LACS	22	32	\$2,969,134	LESUEUR	LESUEUR	12	16	\$61,350
ITASCA TWP.	CLEARWATER	1	0	\$0	LEWISTON	WINONA	9	27	\$101,700
IVANHOE	LINCOLN	1	2	\$0	LEWISVILLE	WATONWAN	4	0	\$0
JACKSON	JACKSON	17	37	\$88,500	LEXINGTON	ANOKA	4	180	\$10,000
JACOBSON	AITKIN	1	16	\$5,500	LINDSTROM	CHISAGO	16	59	\$0
JANESVILLE	WASECA	22	120	\$210,500	LINWOOD TWP.	ANOKA	17	195	\$144,401
JASPER	PIPESTONE	8	7	\$106,200	LISMORE	NOBLES	7	6	\$198,200
JEFFERS	COTTONWOOD	1	0	\$75,000	LITCHFIELD	MEEKER	30	81	\$519,700
JORDAN	SCOTT	31	111	\$0	LITTLE CANADA	RAMSEY	53	199	\$83,375

<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>	<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>
LITTLE FALLS	MORRISON	46	54	\$406,000	MIDDLE RIVER	MARSHALL	2	0	\$105,000
LITTLEFORK	KOOCHICHING	4	2	\$3,800	MIESVILLE	DAKOTA	11	60	\$93,000
LOMAN	KOOCHICHING	0	1	\$0	MILACA	MILLE LACS	45	77	\$1,504,200
LONDON	FREEBORN	5	5	\$8,000	MILAN	CHIPPEWA	3	2	\$0
LONG LAKE	HENNEPIN	28	398	\$123,251	MILLERVILLE	DOUGLAS	10	0	\$170,700
LONG PRAIRIE	TODD	24	72	\$14,900	MILROY	REDWOOD	4	1	\$0
LONGVILLE	CASS	8	16	\$47,500	MILTONA	DOUGLAS	7	52	\$0
LONSDALE	RICE	4	0	\$18,500	MINNEAPOLIS	HENNEPIN	1,210	36,924	\$10,263,314
LORETTO	HENNEPIN	33	212	\$95,000	MINNEOTA	LYON	8	21	\$19,100
LWR. ST. CROIX VLY.	WASHINGTON	11	451	\$320,300	MINNESOTA CITY	WINONA	5	11	\$0
LOWRY	POPE	9	9	\$13,500	MINNESOTA LAKE	FARIBAULT	2	3	\$20,000
LUCAN	REDWOOD	4	2	\$400,050	MINNETONKA	HENNEPIN	52	1,728	\$397,904
LUTSEN	COOK	6	7	\$27,500	MISSION TWP.	CROW WING	8	99	\$73,800
LUVERNE	ROCK	26	46	\$322,950	MONTEVIDEO	CHIPPEWA	19	44	\$89,700
LYLE	MOWER	4	7	\$38,000	MONTGOMERY	LESUEUR	11	23	\$29,500
LYND	LYON	0	0	\$0	MONTICELLO	WRIGHT	47	221	\$224,000
MABEL	FILLMORE	3	7	\$51,125	MONTROSE	WRIGHT	19	189	\$400,760
MADIELA	WATONWAN	17	12	\$153,650	MOORHEAD	CLAY	75	2,339	\$1,649,595
MADISON	LAC QUI PARLE	9	10	\$119,055	MOOSE LAKE	CARLTON	21	300	\$160,000
MADISON LAKE	BLUE EARTH	3	73	\$4,500	MORA	KANABEC	29	31	\$1,227,902
MAGNOLIA	ROCK	3	4	\$5,000	MORGAN	REDWOOD	2	0	\$801,500
MAHNOMEN	MAHNOMEN	13	15	\$147,000	MORRIS	STEVENS	12	61	\$1,089,000
MAHTOMEDI	WASHINGTON	33	956	\$843,300	MORRISTOWN	RICE	3	5	\$0
MAHTOWA	CARLTON	12	52	\$143,260	MORSE FALL LAKE	ST. LOUIS	10	20	\$472,000
MAKINEN	ST. LOUIS	1	4	\$0	MORTON	RENVILLE	9	1	\$0
MANCHESTER	FREEBORN	4	4	\$20,000	MOTLEY	MORRISON	14	129	\$510,000
MANKATO	BLUE EARTH	88	2,132	\$647,666	MOUND	HENNEPIN	49	509	\$732,899
MANTORVILLE	DODGE	7	98	\$2,500	MOUNTAIN IRON	ST. LOUIS	39	101	\$3,125
MAPLE GROVE	HENNEPIN	107	710	\$2,718,550	MOUNTAIN LAKE	COTTONWOOD	4	17	\$60,000
MAPLE HILL	COOK	3	11	\$400,000	MPLS./STP. INT'L. AIRP.	HENNEPIN	34	2,410	\$72,050
MAPLE LAKE	WRIGHT	21	70	\$169,000	MURDOCK	SWIFT	0	1	\$0
MAPLE PLAIN	HENNEPIN	25	265	\$70,000	MYRTLE	FREEBORN	0	1	\$0
MAPLETON	BLUE EARTH	6	104	\$0	NASHWAUK	ITASCA	21	25	\$205,500
MAPLEVIEW	MOWER	4	0	\$15,250	NASSAU	LAC QUI PARLE	3	0	\$38,500
MAPLEWOOD	RAMSEY	70	4,561	\$569,225	NERSTRAND	RICE	2	1	\$78,000
MARIETTA	LAC QUI PARLE	7	1	\$40,510	NEVIS	HUBBARD	7	0	\$24,000
MARINE ON ST. CROIX	WASHINGTON	11	62	\$211,100	NEW AUBURN	SIBLEY	4	27	\$85,500
MARSHALL	LYON	37	97	\$241,200	NEW BRIGHTON	RAMSEY	79	217	\$260,336
MAYER	CARVER	19	62	\$650	NEW GERMANY	CARVER	7	40	\$0
MAYNARD	CHIPPEWA	2	25	\$0	NEW LONDON	KANDIYOHI	29	43	\$498,850
MAZEPPA	WABASHA	11	8	\$124,300	NEW MARKET	SCOTT	23	232	\$68,700
MCDAVITT	ST. LOUIS	2	9	\$0	NEW MUNICH	STEARNS	0	1	\$0
MCGRATH	AITKIN	0	0	\$0	NEW PRAGUE	SCOTT	25	108	\$116,000
MCGREGOR	AITKIN	15	23	\$6,000	NEW RICHLAND	WASECA	10	96	\$287,577
MCINTOSH	POLK	8	9	\$0	NEW ULM	BROWN	30	65	\$358,670
MCKINLEY	ST. LOUIS	2	0	\$0	NEW YORK MILLS	OTTERTAIL	33	174	\$2,000
MDEWAKANTON	SCOTT	39	1,596	\$84,602	NEWFOLDEN	MARSHALL	7	9	\$17,050
MEADOWLANDS	ST. LOUIS	7	10	\$4,000	NEWPORT	WASHINGTON	22	89	\$27,600
MEDFORD	STEELE	7	85	\$7,100	NICOLLET	NICOLLET	17	70	\$92,500
MEDICINE LAKE	HENNEPIN	5	20	\$0	NIELSVILLE	POLK	1	0	\$0
MELROSE	STEARNS	19	85	\$189,500	NISSWA	CROW WING	24	250	\$406,050
MENAHGA	WADENA	18	14	\$280,000	NODINE	WINONA	6	55	\$40,500
MENDOTA HEIGHTS	DAKOTA	15	228	\$58,175	NORMANNA TWP.	ST. LOUIS	7	14	\$300,000
MENTOR	POLK	8	47	\$13,000	NORTH BRANCH	CHISAGO	34	102	\$93,650

<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>	<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>
NORTH MANKATO	NICOLLET	28	81	\$42,825	PRESTON	FILLMORE	5	4	\$0
NORTH ST. PAUL	RAMSEY	46	1,009	\$155,035	PRINCETON	MILLE LACS	44	212	\$1,460,000
NORTH STAR TWP.	ST. LOUIS	0	5	\$0	PRINSBURG	KANDIYOHI	4	0	\$500
NE. SHERBURNE	SHERBURNE	21	211	\$80,000	PRIOR LAKE	SCOTT	55	396	\$2,223,323
NORTHFIELD	RICE	50	195	\$1,918,500	PROCTOR	ST. LOUIS	12	342	\$307,500
NORTHLAND TWP.	ST. LOUIS	1	9	\$0	RAMSEY	ANOKA	39	362	\$0
NORTHOME	KOOCHICHING	3	8	\$0	RANDALL	MORRISON	16	98	\$7,000
NORTHRUP	MARTIN	0	0	\$0	RANDOLPH-HAMPTON	DAKOTA	17	151	\$70,500
NORTHWEST ANGLE	LAKE OF THE WOODS	0	0	\$0	RANGE REG. AIRP.-AARF	ST. LOUIS	0	0	\$0
NORWOOD-YOUNG AMER.	CARVER	25	179	\$626,500	RAYMOND	KANDIYOHI	2	2	\$750,000
OAK GROVE	ANOKA	44	106	\$477,976	RED LAKE FALLS	RED LAKE	18	11	\$35,500
OAKDALE	WASHINGTON	48	2,011	\$799,400	RED LK.-BUR. IND. AFRS.	BELTRAMI	4	0	\$150,000
ODESSA	BIG STONE	5	3	\$69,650	RED WING	GOODHUE	43	793	\$690,644
ODIN	WATONWAN	6	27	\$7,500	REDWOOD FALLS	REDWOOD	12	31	\$371,350
OGEMA	BECKER	9	4	\$0	REMER	CASS	8	10	\$2,415,789
OGILVIE	KANABEC	19	27	\$435,200	RENVILLE	RENVILLE	2	6	\$5,000
OKABENA	JACKSON	0	0	\$0	RICE	BENTON	18	141	\$45,000
OKLEE	RED LAKE	6	10	\$60,000	RICE LAKE TWP.	ST. LOUIS	18	175	\$195,600
OLIVIA	RENVILLE	8	30	\$64,000	RICHFIELD	HENNEPIN	89	4,015	\$1,058,821
ONAMIA	MILLE LACS	17	37	\$66,500	RICHMOND	STEARNS	2	75	\$0
ORMSBY	WATONWAN	5	13	\$7,000	RIDGEWAY COMM.	WINONA	7	9	\$2,000
ORONOCO	OLMSTED	1	32	\$0	ROBBINSDALE	HENNEPIN	63	276	\$213,100
ORR	ST. LOUIS	10	24	\$500	ROCHESTER AIRP.	OLMSTED	1	28	\$200
ORTONVILLE	BIG STONE	6	7	\$59,500	ROCHESTER	OLMSTED	212	8,565	\$2,331,293
OSAKIS	DOUGLAS	15	29	\$70,500	ROCKFORD	WRIGHT	11	308	\$0
OSLO	MARSHALL	8	12	\$345,000	ROCKVILLE	STEARNS	9	106	\$11,900
OSSEO	HENNEPIN	32	281	\$0	ROGERS	HENNEPIN	53	552	\$794,810
OSTRANDER	FILLMORE	2	8	\$90,000	ROLLINGSTONE	WINONA	4	14	\$15,000
OWATONNA	STEELE	71	425	\$1,940,835	ROSE CREEK	MOWER	7	12	\$0
PALISADE	AITKIN	3	15	\$0	ROSEAU	ROSEAU	11	35	\$404,700
PALO REGIONAL	ST. LOUIS	9	57	\$0	ROSEMOUNT	DAKOTA	31	602	\$2,086,500
PARK RAPIDS	HUBBARD	49	43	\$3,772,580	ROSEVILLE	RAMSEY	71	4,333	\$180,993
PARKERS PRAIRIE	OTTERTAIL	13	9	\$37,000	ROTHSAY	WILKIN	11	59	\$188,312
PAYNESVILLE	STEARNS	26	81	\$45,540	ROUND LAKE	NOBLES	5	1	\$0
PELICAN RAPIDS	OTTERTAIL	16	13	\$0	ROYALTON	MORRISON	14	11	\$362,700
PEMBERTON	BLUE EARTH	2	8	\$15,000	RUSH CITY	CHISAGO	24	41	\$59,500
PENNOCK	KANDIYOHI	4	6	\$0	RUSHFORD	FILLMORE	9	31	\$91,300
PEQUAYWAN LAKE	ST. LOUIS	2	5	\$200	RUSHMORE	NOBLES	11	25	\$237,000
PEQUOT LAKES	CROW WING	29	33	\$152,000	RUSSELL	LYON	1	0	\$0
PERHAM	OTTERTAIL	32	131	\$165,000	RUTHTON	PIPESTONE	6	4	\$100,000
PERLEY-LEE TWP.	NORMAN	4	4	\$12,000	SABIN-ELMWOOD	CLAY	14	27	\$3,300
PICKWICK AREA	WINONA	4	53	\$110,000	SACRED HEART	RENVILLE	8	4	\$45,000
PIERZ	MORRISON	32	32	\$119,600	SANBORN	REDWOOD	5	1	\$0
PIKE-SANDY-BRITT	ST. LOUIS	15	86	\$62,500	SANDSTONE	PINE	8	43	\$320,000
PILLAGER	CASS	18	213	\$190,550	SARTELL/LESAUK	STEARNS	27	117	\$53,946
PINE CITY	PINE	56	117	\$724,600	SAUK CENTRE	STEARNS	21	68	\$0
PINE ISLAND	GOODHUE	17	241	\$3,000	SAUK RAPIDS	BENTON	50	133	\$0
PINE RIVER	CASS	21	29	\$333,325	SAVAGE	SCOTT	43	367	\$1,240,300
PIPESTONE	PIPESTONE	15	46	\$335,680	SBM	ANOKA	122	1,040	\$3,203,600
PLAINVIEW	WABASHA	8	13	\$0	SCANDIA	WASHINGTON	9	198	\$92,000
PLATO	MCLEOD	8	31	\$600,000	SCANDIA VALLEY	MORRISON	9	3	\$16,000
PLUMMER	RED LAKE	6	11	\$10,000	SEAFORTH	REDWOOD	1	0	\$0
PLYMOUTH	HENNEPIN	124	1,381	\$3,153,100	SEBEKA	WADENA	14	13	\$703,500
PORTER	YELLOW MEDICINE	7	10	\$110,500	SEDAN	POPE	2	0	\$0

<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>	<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>
SHAFER FRANCONIA	CHISAGO	9	91	\$0	THIEF RIVER FALLS	PENNINGTON	53	146	\$677,550
SHAKOPEE	SCOTT	89	496	\$8,560,200	THOMSON TWP./ESKO	CARLTON	17	169	\$333,670
SHELLY	NORMAN	1	4	\$0	TINTAH	TRAVERSE	3	1	\$30,500
SHERBURN	MARTIN	6	9	\$10,500	TOFTE	COOK	7	11	\$0
SHEVLIN	CLEARWATER	5	8	\$61,500	TOIVOLA TWP.	ST. LOUIS	4	15	\$800,000
SILICA AREA	ST. LOUIS	1	7	\$75,000	TOWER	ST. LOUIS	11	20	\$0
SILVER BAY	LAKE	11	44	\$11,700	TRACY	LYON	22	46	\$146,000
SILVER LAKE	MCLEOD	14	111	\$80,000	TRIMONT	MARTIN	4	4	\$275,100
SKYLINE	BLUE EARTH	0	0	\$0	TRUMAN	MARTIN	7	10	\$25,000
SLAYTON	MURRAY	12	20	\$3,300	TWIN LAKES	FREEBORN	0	0	\$0
SLEEPY EYE	BROWN	20	24	\$1,197,700	TWIN LAKES VOL	MAHNOMEN	9	7	\$500
SOLWAY	BELTRAMI	5	5	\$298,500	TWIN VALLEY	NORMAN	12	8	\$394,150
SOLWAY TWP.	ST. LOUIS	9	90	\$0	TWO HARBORS	LAKE	27	115	\$857,550
SOUTH BEND	BLUE EARTH	12	23	\$49,001	TYLER	LINCOLN	9	0	\$111,300
SOUTH HAVEN	WRIGHT	13	81	\$77,001	ULEN	CLAY	3	0	\$5,100
SOUTH METRO	DAKOTA	142	5,301	\$620,035	UNDERWOOD	OTTERTAIL	15	81	\$5,100
SPICER	KANDIYOHI	17	39	\$0	UPSALA	MORRISON	3	7	\$4,000
SPRING GROVE	HOUSTON	6	9	\$0	USS EMER. SVCS.	ST. LOUIS	11	166	\$3,000
SPRING VALLEY	FILLMORE	8	33	\$107,850	VADNAIS HEIGHTS	RAMSEY	20	841	\$65,000
SPRINGFIELD	BROWN	13	21	\$135,010	VERGAS	OTTERTAIL	28	15	\$30,000
SQUAW LAKE	ITASCA	8	73	\$42,500	VERMILLION LAKE	ST. LOUIS	6	25	\$30,000
ST. ANTHONY	HENNEPIN	26	1,383	\$20,445	VERNDALE	WADENA	13	0	\$103,900
ST. AUGUSTA	STEARNS	12	78	\$2,000	VERNON CENTER	BLUE EARTH	5	31	\$215,000
ST. BONIFACIUS	HENNEPIN	19	118	\$640,300	VESTA	REDWOOD	4	1	\$0
ST. CHARLES	WINONA	13	38	\$252,500	VICTORIA	CARVER	36	210	\$42,500
ST. CLAIR	BLUE EARTH	10	94	\$122,000	VIKING	MARSHALL	3	1	\$8,000
ST. CLOUD	STEARNS	217	4,470	\$827,410	VILLARD	POPE	3	0	\$6,000
ST. FRANCIS	ANOKA	23	344	\$126,427	VINING	OTTERTAIL	4	0	\$0
ST. HILLAIRE	PENNINGTON	14	12	\$108,500	VIRGINIA	ST. LOUIS	34	3,499	\$1,262,710
ST. JAMES	WATONWAN	17	38	\$502,700	WABASHA	WABASHA	1	61	\$0
ST. JOHN'S UNIV.	STEARNS	6	284	\$16,075	WABASSO	REDWOOD	2	3	\$0
ST. JOSEPH	STEARNS	21	280	\$56,000	WACONIA	CARVER	23	329	\$565,650
ST LEO	YELLOW MEDICINE	0	1	\$0	WADENA	WADENA	36	11	\$2,176,300
ST. LOUIS PARK	HENNEPIN	160	4,490	\$717,911	WAITE PARK	STEARNS	32	93	\$0
ST. MARTIN	STEARNS	11	21	\$417,500	WALDORF	WASECA	4	38	\$15,200
ST. MICHAEL	WRIGHT	23	230	\$0	WALKER	CASS	15	10	\$146,150
ST. PAUL	RAMSEY	1,189	15,452	\$5,152,344	WALNUT GROVE	REDWOOD	10	5	\$297,300
ST. PAUL PARK	WASHINGTON	21	73	\$385,000	WALTERS	FARIBAULT	3	2	\$0
ST. PETER	NICOLLET	32	39	\$528,800	WANDA	REDWOOD	2	0	\$12,000
ST. STEPHEN	STEARNS	11	68	\$476,000	WARBA -FEELEY-SAGO	ITASCA	4	20	\$3,000
STACY-LENT	CHISAGO	16	51	\$36,300	WARREN	MARSHALL	10	25	\$8,000
STAPLES	TODD	22	29	\$254,230	WARROAD	ROSEAU	17	24	\$118,600
STARBUCK	POPE	4	2	\$35,000	WASECA	WASECA	33	576	\$365,000
STEPHEN	MARSHALL	7	21	\$5,200	WATERTOWN	CARVER	29	258	\$6,000
STEWART	MCLEOD	4	4	\$0	WATERVILLE	LESUEUR	3	149	\$0
STEWARTVILLE	OLMSTED	18	332	\$129,450	WATKINS	MEEKER	9	5	\$39,500
STILLWATER	WASHINGTON	46	1,655	\$247,350	WATSON	CHIPPEWA	1	1	\$0
STORDEN	COTTONWOOD	1	0	\$2,000	WAUBUN	MAHNOMEN	11	7	\$7,600
STURGEON LAKE	PINE	4	25	\$0	WAVERLY	WRIGHT	10	128	\$55,300
SUNBURG	KANDIYOHI	10	8	\$0	WAYZATA	HENNEPIN	32	247	\$14,050
SWANVILLE	MORRISON	7	0	\$151,000	WELCOME	MARTIN	4	1	\$71,000
TACONITE	ITASCA	2	15	\$0	WELLS	FARIBAULT	13	28	\$770,500
TAUNTON	LYON	4	0	\$0	WENDELL	GRANT	12	17	\$1,043,520
TAYLORS FALLS	CHISAGO	2	1	\$0	WEST CONCORD	DODGE	10	13	\$218,100

<u>Fire Dept.</u>	<u>County</u>	<u>Fires</u>	<u>Non-Fires</u>	<u>Dollar Loss</u>
WEST METRO	HENNEPIN	168	1,280	\$349,180
WESTBROOK	COTTONWOOD	5	3	\$0
WHEATON	TRAVERSE	8	4	\$0
WHITE BEAR LAKE	RAMSEY	59	479	\$345,511
WHITE EARTH	BECKER	1	0	\$0
WILLIAMS	LAKE OF THE WOODS	9	0	\$54,500
WILLMAR	KANDIYOHI	65	208	\$4,076,561
WILLOW RIVER	PINE	15	121	\$287,000
WILMONT	NOBLES	1	0	\$130,000
WILSON TWP.	WINONA	8	5	\$611,500
WINDOM	COTTONWOOD	13	15	\$21,001
WINGER	POLK	8	2	\$105,000
WINNEBAGO	FARIBAULT	17	16	\$49,500
WINONA	WINONA	59	2,075	\$3,062,100
WINSTED	MCLEOD	13	232	\$50
WINTHROP	SIBLEY	8	16	\$9,400
WOLF LAKE	BECKER	58	19	\$3,908,235
WOLVERTON	WILKIN	5	1	\$6,000
WOOD LAKE	YELLOW MEDICINE	3	7	\$0
WOODBURY	WASHINGTON	39	3,591	\$1,248,805
WOODSTOCK	YELLOW MEDICINE	2	1	\$0
WORTHINGTON	NOBLES	23	60	\$98,101
WRENSHALL	CARLTON	16	62	\$200
WRIGHT	CARLTON	8	14	\$0
WYKOFF	FILLMORE	4	5	\$191,000
WYOMING	CHISAGO	17	313	\$361,700
ZIMMERMAN-LIVNIA.	SHERBURNE	38	138	\$203,550
ZUMBRO FALLS	WABASHA	15	111	\$1,095,800
ZUMBROTA	GOODHUE	16	25	\$338,005

## Participation

### **We welcome new and returning departments reporting in 2013:**

Dundee

Granada

Lake George

Duxbury

Grey Eagle

Northwest Angle

### **Non-reporting departments:**

Beaver Bay

Foxhome

Ottertail

Elmer

Kenneth

Schroeder

Finlayson

Louisburg

Wanamingo

### **FEMA assistance to firefighters grant list:**

Aitkin: \$49,400

Duxbury: \$49,563

Lakeland: \$161,500

Albert Lea: \$145,012

Fertile: \$77,805

Lewiston: \$101,631

Bemidji: \$55,103

Frazee: \$5,489

Maplewood: \$318,132

Balsam Township:  
\$20,786

Goodhue: \$90,517

Mayer: \$178,980

Bovey: \$78,880

Greenwood Township:  
\$45,600

Mission Township:  
\$23,845

Cannon Falls: \$54,340

Ham Lake: \$736,250

Oslo: \$45,078

Comfrey: \$84,512

Hill: \$23,242

Pillager Area: \$24,938

Crookston: \$17,267

Hoffman: \$4,085

Red Wing: \$63,783

Cuyuna: \$25,650

Holdingford: \$31,208

Silver Bay: \$446,500

Cyprus: \$49,875

Hopkins: \$237,120

Warroad: \$22,800

Deerwood: \$23,484

Houston: \$40,755

West Concord: \$164,583

Duluth: \$219,573

Kilkenny: \$79,420

Willow River: \$356,250