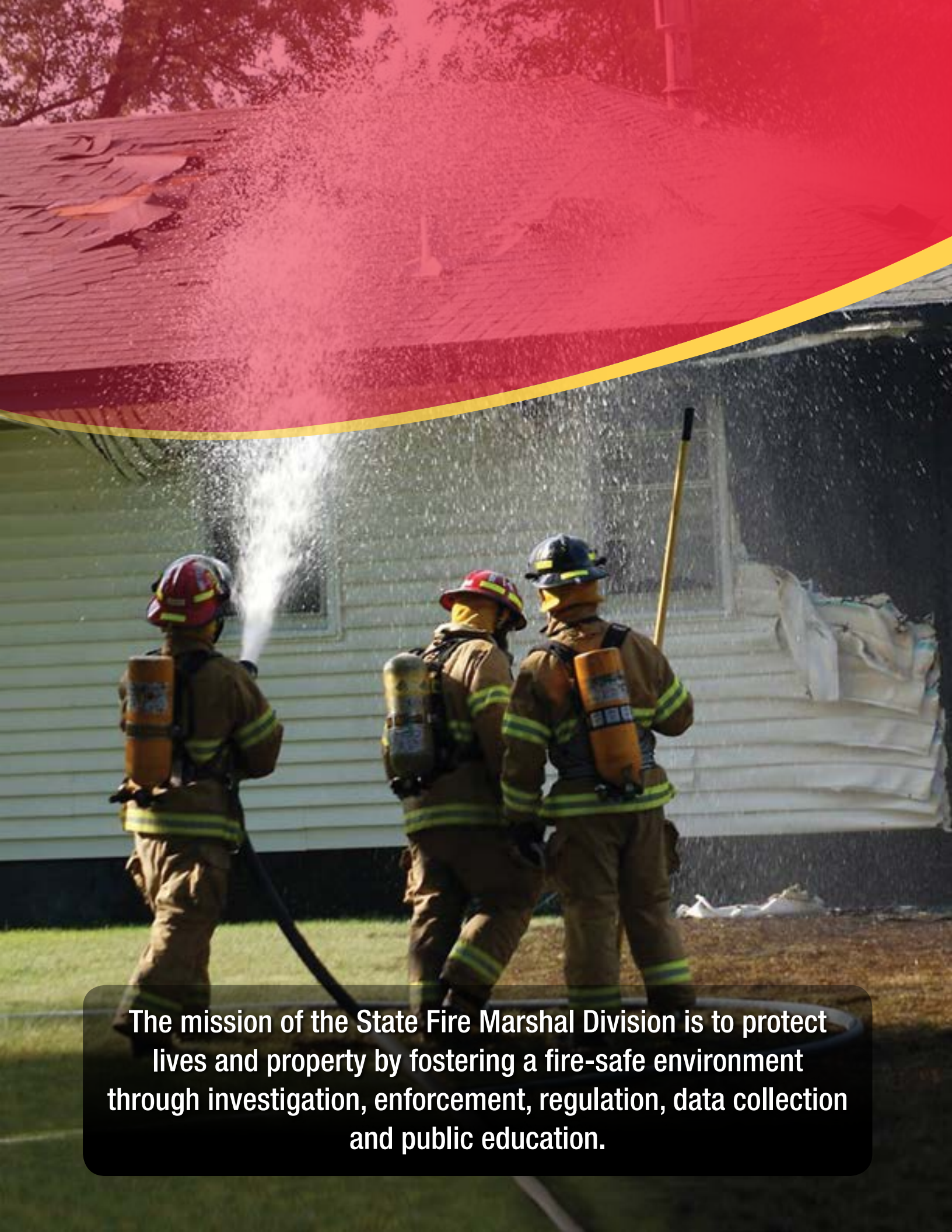


# 2017 FIRE IN MINNESOTA



**STATE FIRE MARSHAL**

WALLICK



**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.**

# **FIRE IN MINNESOTA**



## **The Minnesota Department of Public Safety State Fire Marshal Division**

Statistical data pertaining to all fire-related incidents  
in the state of Minnesota for the year 2017.

This report is also available as a PDF at [sfm.dps.mn.gov](http://sfm.dps.mn.gov)

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## Fire in Minnesota 2017 highlights

- Fire deaths last year reached their highest since 1995.
  - Sixty-eight people died in fires in 2017 in Minnesota. That's a 58 percent increase over 2016 and the highest number since 1995, when 86 people lost their lives.
  - An alarming statistic: The number of people over age 60 killed in fires jumped from 16 in 2016 to 35 last year, a 119 percent increase.
- The total numbers of fires in Minnesota in 2017 was 13,456 — that's a 1 percent increase over 2016.
  - While the total number of reported fires was up, the reported dollar loss across Minnesota was down 14 percent. Fires caused \$223.9 million in property damage last year compared with \$259.1 million in 2016.
- The number of incendiary fires in Minnesota last year (1,047) jumped 26 percent over 2016.
- Smoke alarms can save lives, but there are other factors at play when people die in homes with working smoke alarms. Last year, 17 people died in homes with working smoke alarms. Why didn't they get out? Several reasons:
  1. The fire spread too quickly.
  2. The person acted irrationally.
  3. Medical/mobility issues.
  4. Alcohol use.
  5. Their clothing caught fire.
  6. They were smoking with an oxygen tank nearby.





## From the State Fire Marshal

Welcome to the 2017 Fire in Minnesota Report. This edition includes a lot of useful and thought-provoking data provided by more than 770 (99 percent) of Minnesota's fire departments.

I hate to start off with bad news, but part of effectively fixing a problem and reversing a trend is tackling the issue head-on, and last year's dramatic spike in fire deaths is a problem we simply cannot ignore. Sixty-eight people died in fires in 2017 in Minnesota, the highest number since 1995, when 86 people lost their lives.

I have asked my staff to analyze the data associated with last year's 68 fatalities so we can determine what we need to do differently to prevent fire deaths from continuing to climb. Approximately 51 percent of the people who died in fires last year were over age 60. That number tells me a few things, specifically that older adults died in fires last year at an alarming rate.

We need to figure out how to reach this vulnerable segment of our population. More than that, we need to try to change old, unsafe habits — not an easy task — so residents over age 60 are safe and understand the importance of fire prevention and fire safety.

We take very seriously the responsibility of making sure Minnesota is a safe place to live, play and work. But we can't do it alone. We need your help. Let's get the conversations started in our communities. If you're a firefighter, reach out to facilities that house older adults. Brainstorm ways to make a difference. You don't have to be a firefighter to help. A simple discussion with a parent, grandparent or older person in your life can make a big difference. Remind friends and loved ones to test their smoke alarm or put in a new battery. Better yet, do it for them. Explain how important it is to stay in the kitchen while cooking, and why smoking near medical oxygen is dangerous.

I'm confident we can use the information in the 2017 Fire in Minnesota Report to make a difference and save lives. We all must work together so no family suffers the loss of someone in a fire.

Thank you,

A handwritten signature in black ink that reads "Bruce West". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Bruce West  
State Fire Marshal  
651-201-7201  
bruce.west@state.mn.us



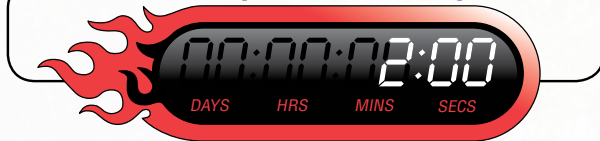
# TOTAL IMPACT

# MINNESOTA FIRE CLOCK

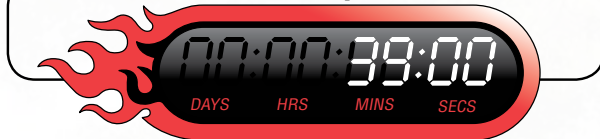
## Frequency of Responses as Reported 2017

These figures represent the collective incidents reported by 772 of Minnesota's 775 fire departments.

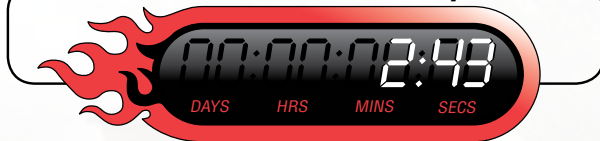
*One Fire Department Response*



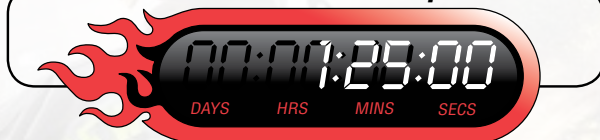
*One Fire Reported*



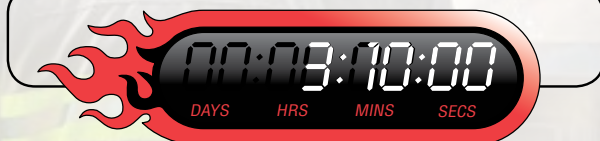
*One EMS/Rescue Run Reported*



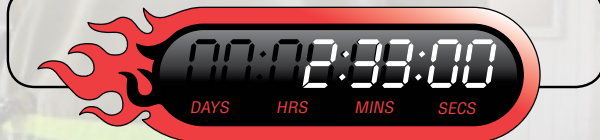
*One Structure Fire Reported*



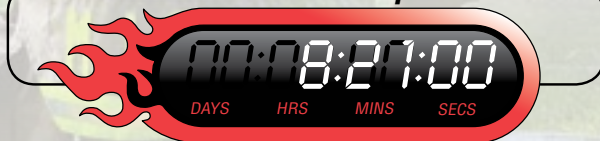
*One Rural Structure Fire*



*One Metro Structure Fire*



*One Arson Fire Reported*



## Fire Loss in Minnesota

**\$ 613,561 / Day**

**\$ 25,565 / Hour**

**\$ 426 / Minute**



In 2017, 772 of the state's 775 fire departments (99 percent of all Minnesota's fire departments) reported through the Minnesota Fire Incident Reporting System (MFIRS), which collects information on fires and related activities. More information about fire department participation begins on page 35.

The total number of fire incidents reported by participating Minnesota fire departments in 2017 was 13,456 — a slight increase from 2016. The number of responses by the fire service increased by 4 percent in 2017 to over 300,000 (304,171).

<b>2017 REPORTED FIRE DEPARTMENT RESPONSES</b>					
Incidents Reported	Seven County Metro Area	% State Total	Balance of State	% State Total	State Total
Structure Fires	3,426	56	2,739	44	6,165
Vehicle Fires	1,212	47	1,392	53	2,604
Other Fires	2,061	44	2,625	56	4,687
<b>TOTAL FIRES</b>	<b>6,699</b>	<b>50</b>	<b>6,756</b>	<b>50</b>	<b>13,456</b>
Rescue/EMS Calls	130,016	67	63,456	33	193,472
False Calls	18,351	70	7,747	30	26,098
Mutual Aid Given	2,483	41	3,528	59	6,011
Other Incidents	40,918	63	24,216	37	65,134
<b>TOTAL CALLS</b>	<b>198,467</b>	<b>65</b>	<b>105,703</b>	<b>35</b>	<b>304,171</b>
<b>ESTIMATED DOLLAR LOSS DUE TO FIRE</b>	<b>\$94,039,731</b>	<b>42%</b>	<b>\$129,910,056</b>	<b>58%</b>	<b>\$223,949,787</b>

Total dollar loss decreased by over \$35 million (14 percent) from 2016. Among the calls that increased in 2017 were structure fires, total fires, rescue/EMS calls, and good intent calls.

## OVERALL INCIDENT COMPARISONS

Incidents Reported	2013	2014	2015	2016	2017	% Change 2016 - 2017
<b>Fires</b>						
Structure	6,330	6,242	6,099	6,020	6,165	2%
Vehicle	2,485	2,683	2,529	2,649	2,604	(2%)
Other Fires	4,456	3,781	5,500	4,666	4,687	<1%
<b>TOTAL FIRES</b>	<b>13,271</b>	<b>12,706</b>	<b>14,128</b>	<b>13,335</b>	<b>13,456</b>	<b>1%</b>
<b>Overpressure Ruptures</b>	<b>482</b>	<b>484</b>	<b>479</b>	<b>587</b>	<b>581</b>	<b>(1%)</b>
<b>Rescue/EMS Calls</b>	<b>154,771</b>	<b>162,059</b>	<b>174,433</b>	<b>183,545</b>	<b>193,472</b>	<b>5%</b>
<b>Hazardous Condition Calls</b>	<b>11,712</b>	<b>11,118</b>	<b>11,188</b>	<b>11,815</b>	<b>11,760</b>	<b>(&lt;1%)</b>
<b>Service Calls</b>	<b>14,749</b>	<b>15,674</b>	<b>16,864</b>	<b>18,367</b>	<b>19,423</b>	<b>6%</b>
<b>Good Intent Calls</b>	<b>23,360</b>	<b>25,157</b>	<b>25,507</b>	<b>30,090</b>	<b>32,429</b>	<b>8%</b>
<b>False Calls</b>						
Malicious	1,296	1,344	1,300	1,429	1,478	3%
Other False	24,987	25,425	25,522	25,439	24,620	(3%)
<b>TOTAL FALSE CALLS</b>	<b>26,293</b>	<b>26,769</b>	<b>26,822</b>	<b>26,868</b>	<b>26,098</b>	<b>(3%)</b>
<b>Mutual Aid Given</b>	<b>6,115</b>	<b>5,842</b>	<b>5,706</b>	<b>5,699</b>	<b>6,011</b>	<b>6%</b>
<b>All Other</b>	<b>856</b>	<b>861</b>	<b>839</b>	<b>1,180</b>	<b>941</b>	<b>(20%)</b>
<b>TOTAL CALLS</b>	<b>251,609</b>	<b>260,670</b>	<b>275,966</b>	<b>291,456</b>	<b>304,171</b>	<b>4%</b>
<b>TOTAL DOLLAR LOSS (Millions)</b>	<b>\$229.1</b>	<b>\$225.7</b>	<b>\$223.6</b>	<b>\$259.1</b>	<b>\$223.9</b>	<b>(14%)</b>

Structure fires 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 4,706 fires have occurred in residential structures. These figures indicate that each year, one residential structure fire occurs for every 1,162 residents.

<b>STRUCTURE FIRES BY PROPERTY TYPE</b>						
Structure Type	2013	2014	2015	2016	2017	% Change 2016-2017
Residential	4,793	4,820	4,675	4,621	4,623	<1%
Educational/Institutional	165	155	183	175	186	6
Public Assembly/Commercial	312	336	316	315	355	13
Industrial/Manufacturing	261	212	199	202	191	(5%)
Storage	563	512	474	483	543	12%
Special/Other	193	169	207	180	208	16%
Unclassified	43	38	45	44	59	34%
<b>TOTAL</b>	<b>6,330</b>	<b>6,242</b>	<b>6,099</b>	<b>6,020</b>	<b>6,165</b>	<b>2%</b>

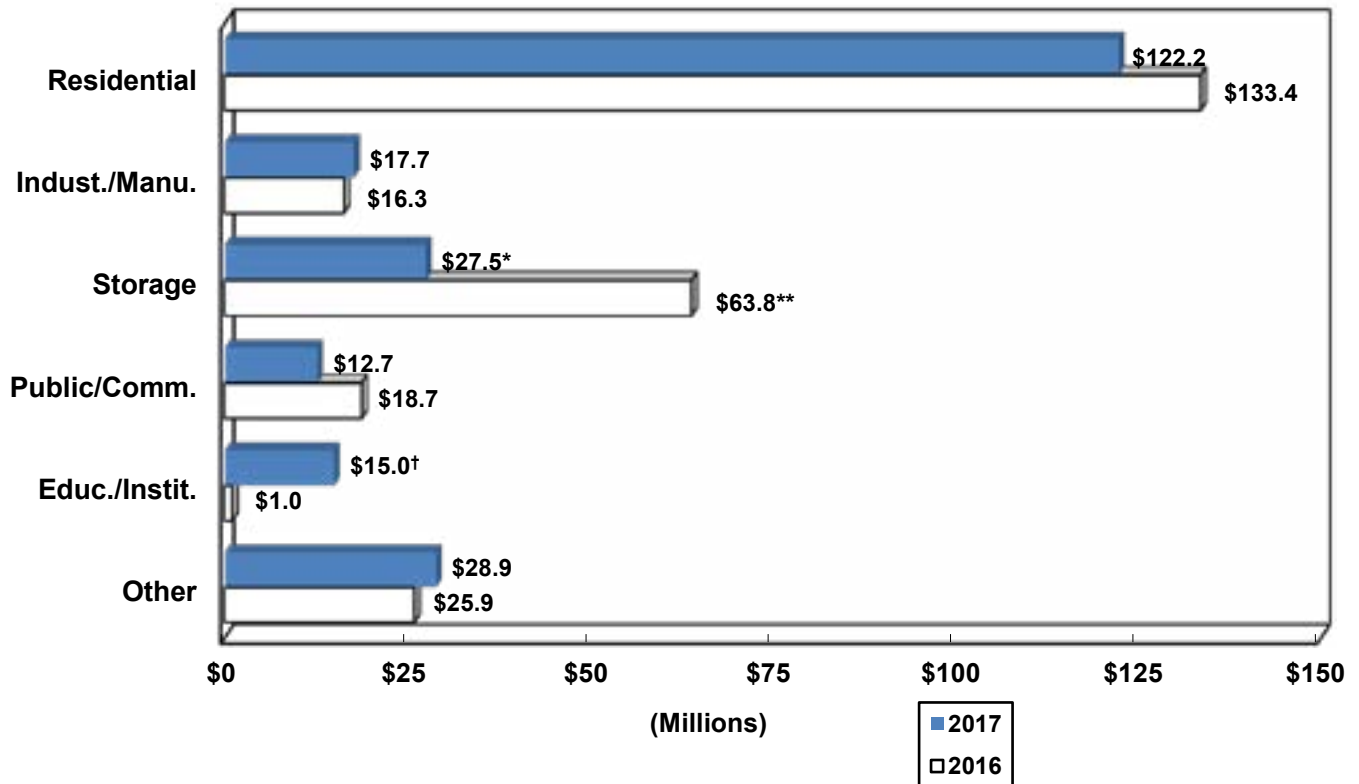
<b>2017 RESIDENTIAL STRUCTURE FIRES</b>				
Type of Residence	Number of Fires	Dollar Loss	Civilian Injuries	Civilian Deaths
One-two family dwelling	2,689	\$100,336,287	52	41
Multi-family dwelling	1,699	\$14,928,427	64	14
Hotel/motel	46	\$553,350	2	2
Residential board and care	49	\$205,150	0	0
Dormitory/sorority/fraternity	34	\$10,100	0	0
Boarding/rooming house	23	\$147,370	1	0
Barracks/dormitory	12	\$400	0	0
Residential (other)	71	\$2,181,529	0	0
<b>TOTAL</b>	<b>4,623</b>	<b>\$118,362,613</b>	<b>119</b>	<b>57</b>

The 2017 dollar loss in residential property decreased 8 percent from 2016 and total dollar loss decreased by 14 percent.

Residential fires accounted for 75 percent of all structure fires and 53 percent of total dollar loss.

The average dollar loss per structure fire in 2017 was over \$30,000 per incident. The average dollar loss per residential structure fire was nearly \$26,000 per incident.

## DOLLAR LOSS BY PROPERTY TYPE



\* Includes one \$5 million barn fire.

\*\* Includes one \$25 million warehouse fire.

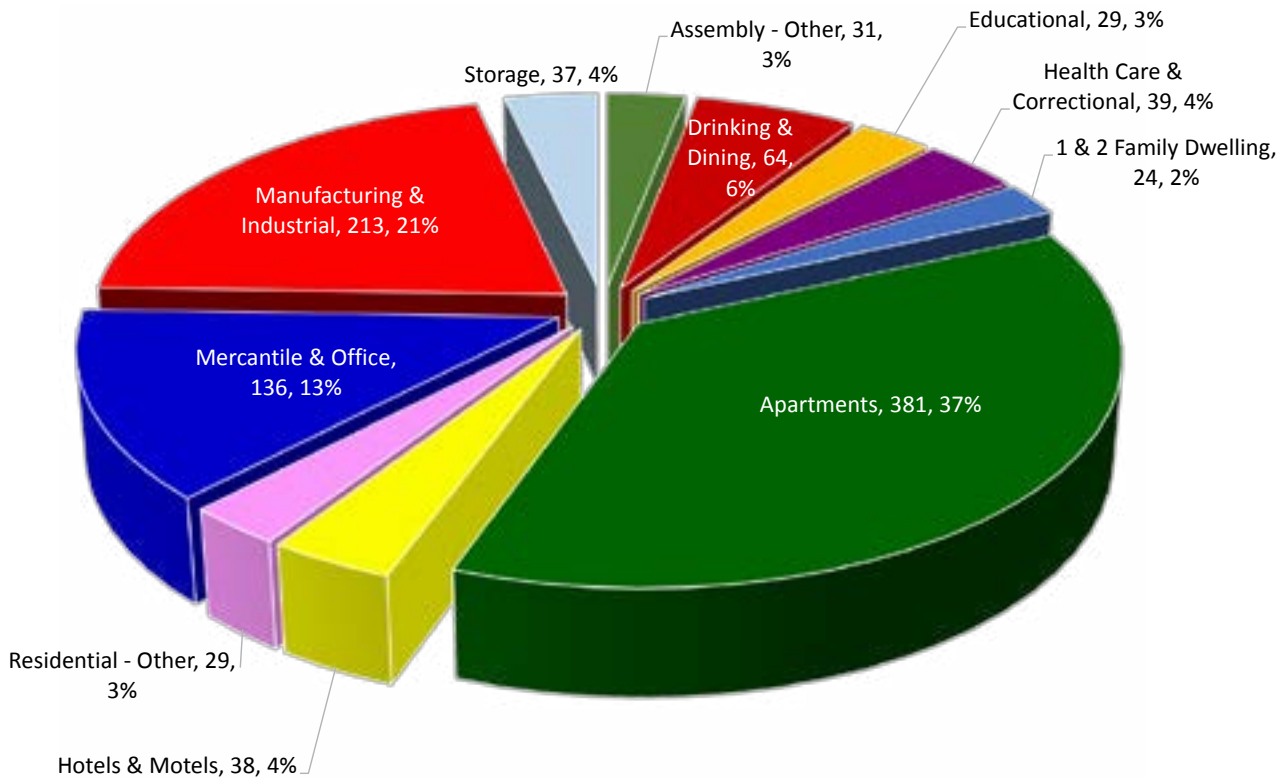
† Includes one \$14 million high school fire.

## Sprinkler Saves

There were 101 sprinkler saves in Minnesota in 2017. This represents the highest number of fire sprinkler saves in a year since the State Fire Marshal Division started tracking them. This means that once every 3.5 (three-and-a-half) days a fire is extinguished by an automatic fire sprinkler system. These sprinkler activations saved 101 buildings from devastation by fire, minimized property loss, greatly reduced business interruption and potentially saved lives.

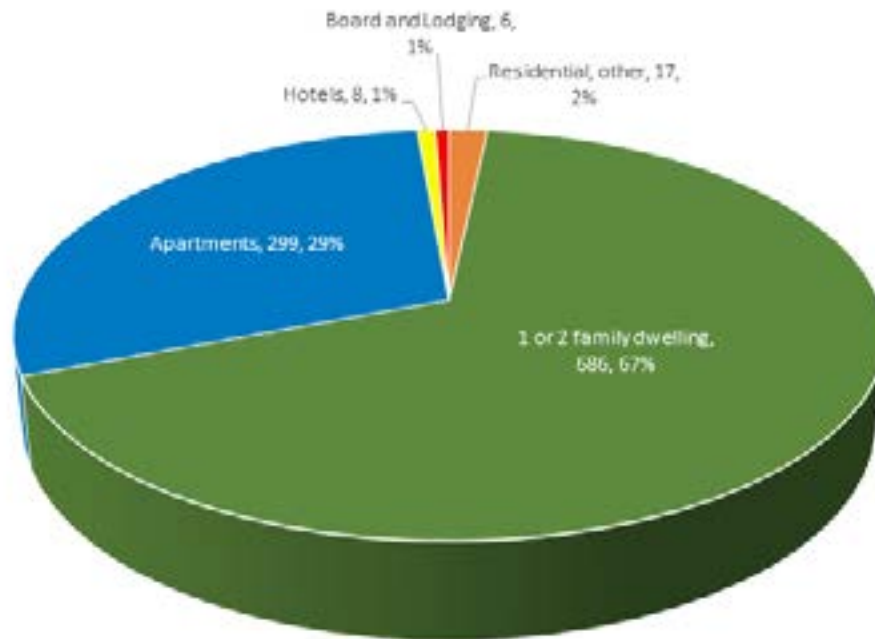
The following chart shows where the 1,021 sprinkler saves have occurred from 2004-2017. Sprinkler systems have been around since the late -1800's; they were originally developed to protect manufacturing and industrial occupancies. The most common occupancy for sprinkler saves in Minnesota is apartment buildings. This is noteworthy as apartments are one of the newest occupancies to have sprinklers. The first fire code in Minnesota to require apartment sprinklers was adopted in 1989 (less than 30 years ago) but apartments have now become the leading type of building to experience sprinkler saves.

**Minnesota Sprinkler Saves  
2004 - 2017**

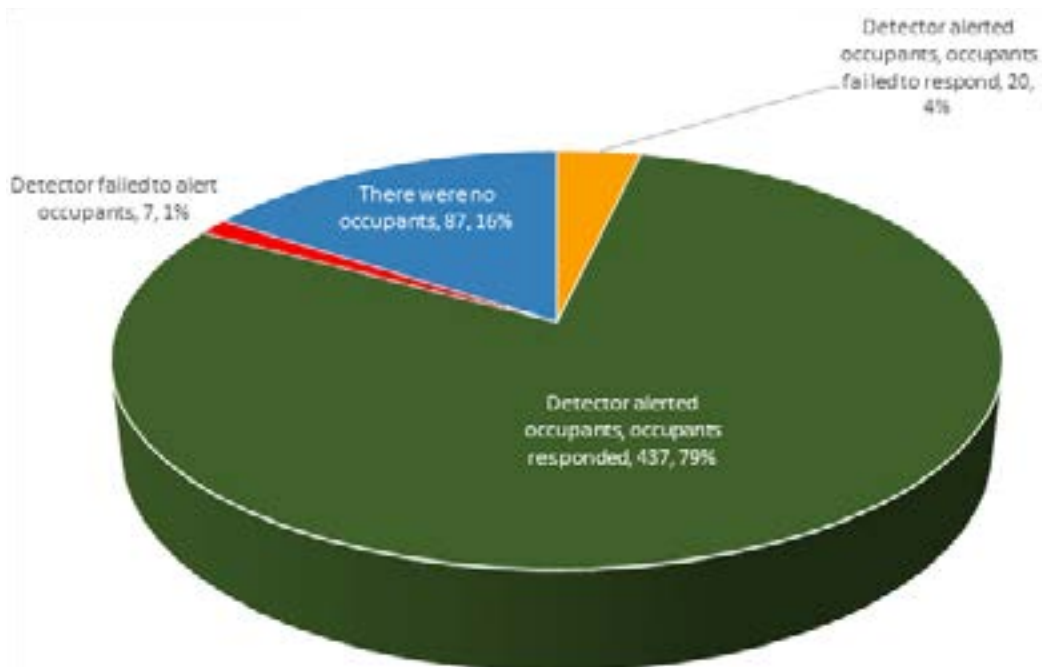


Smoke alarms are highly effective at alerting people of dangerous fire conditions, especially in residential occupancies where people sleep. In a high percentage of the residential fires, the smoke alarms activated and alerted the occupants (79 percent). Of concern, however, are the 27 residential fires last year where the occupants did not get alerted to dangerous fire conditions (shown as alarm failed to alert occupants – 1 percent – or alerted occupants but the occupants failed to respond – 4 percent).

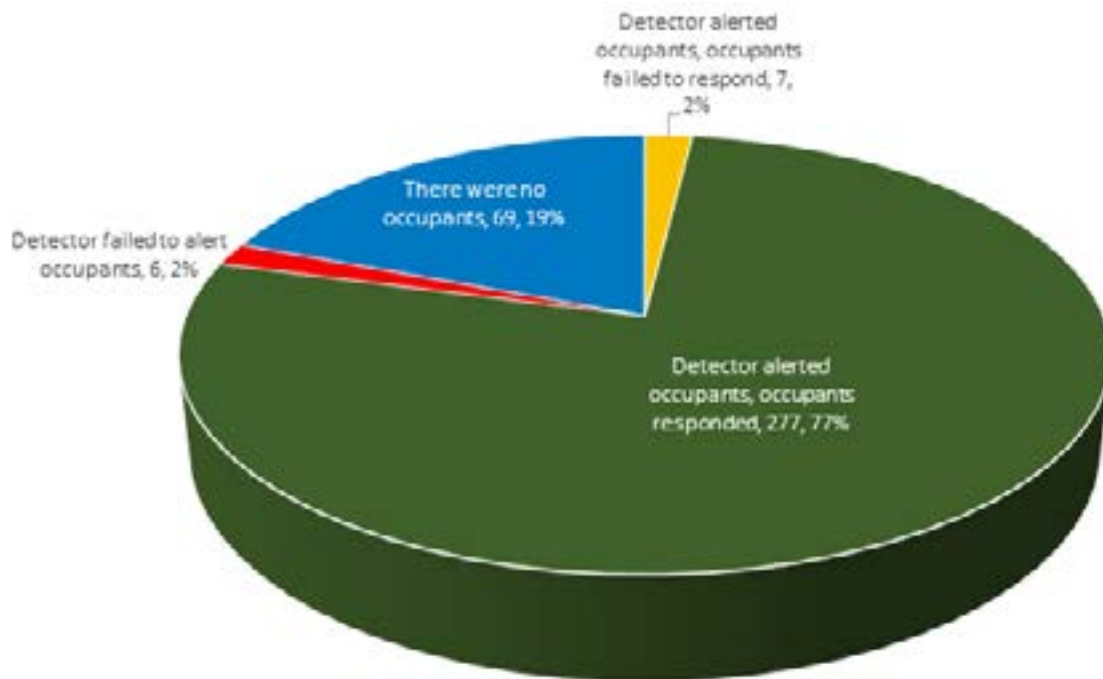
## RESIDENTIAL OCCUPANCIES WHERE SMOKE ALARMS ACTIVATED — 2017



## SMOKE ALARM EFFECTIVENESS — 2017



## ONE/TWO FAMILY DWELLING SMOKE ALARM EFFECTIVENESS — 2017



### SUMMARY

Last year, 772 (99 percent) of Minnesota’s 775 fire departments reported information for Fire in Minnesota.

The total number of calls increased 4 percent from 2016. Dollar loss was almost \$224 million.

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

Fires in residential buildings accounted for 75 percent of all structure fires, 53 percent of total dollar loss, and in 98 percent of structure fire deaths in 2017. These statistics continue to identify the home as the most dangerous place to be.

In the last 29 years, almost \$5 billion in property was destroyed by fire; 50 percent, or almost \$2.5 billion, occurred in residential property.

A photograph showing firefighters in full gear, including helmets and jackets with reflective stripes, working to extinguish a large fire on a dark-colored car. One firefighter in the foreground is holding a hose connected to a SCOTT air cylinder. The car is heavily damaged and engulfed in bright orange and yellow flames. The background is slightly blurred, showing other vehicles and buildings. A large red curved shape is overlaid on the top left corner of the image.

# CAUSES

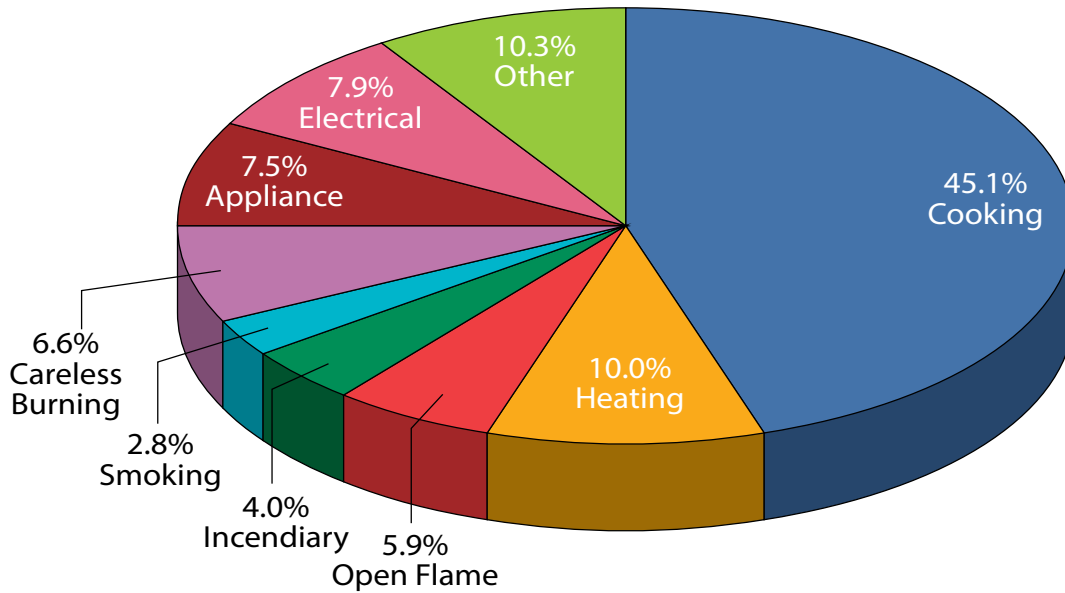


As in past years, cooking continues to be the top known cause of fires, with heating and electrical as the second- and third-leading causes.

Cooking remains the leading cause mainly due to contained cooking fires.

Fires in residential property represented 75 percent of all structure fires and 53 percent of the total dollar loss.

**STRUCTURE FIRE CAUSES**



**Cooking Fires**

The leading cause of structure fires in 2017 was cooking. Ninety-three percent of those fires were contained cooking fires.

The top three known factors in the remaining cooking fires were: unattended equipment at 16 percent, combustibles too close at 14 percent, and equipment turned on accidentally/not turned off at 11 percent. There were three cooking-related civilian fire deaths and 32 civilian injuries, as well as six firefighter injuries. Dollar loss from cooking fires in 2017 totaled \$4,460,356.

**Heating Fires**

The majority of 2017 heating-related fires (251) occurred in residential properties.

The total number of these fires decreased by 9 percent from last year – there were 275 heating-related fires in 2016 – and dollar loss decreased by 8 percent.

## HEATING FIRES IN RESIDENTIAL PROPERTIES

Equipment	Number of Fire Incidents	% of Total	Dollar Loss	% of Total
Fireplace/Chimney	172	69%	\$207,350	6%
Fixed Heating Units	20	8%	\$722,900	23%
Portable Heaters	17	7%	\$1,047,800	33%
Central Heating Units	28	11%	\$160,155	5%
Water Heaters	8	3%	\$987,950	31%
Other	6	2%	\$67,500	2%
<b>TOTAL</b>	<b>251</b>	<b>100%</b>	<b>\$3,193,655</b>	<b>100%</b>

### Where Do Fires Start?

#### Residential Property

- Kitchen/cooking area: 50 percent
- Sleeping area: 4 percent
- Garage: 4 percent
- Balcony/patio: 3 percent
- Other areas of fire origin: 39 percent

#### Public Assembly Property

- Kitchen/cooking area: 49 percent
- Trash chute/container: 9 percent
- Lavatory/Locker area: 3 percent
- Outside area/other: 3 percent
- Other areas of fire origin: 36 percent

#### Educational Property

- Kitchen/cooking area: 47 percent
- Trash chute/container: 14 percent
- Laundry area: 5 percent
- Other areas of fire origin: 34 percent

#### Store and Office Property

- Kitchen/cooking area: 19 percent
- Trash chute/container: 12 percent
- Laundry: 5 percent
- Sales area/showroom: 5 percent
- Other areas of fire origin: 59 percent

### Summary by Type of Occupancy

RESIDENTIAL						
	Number of Incidents	Firefighter Injuries	Civilian Injuries	Firefighter Deaths	Civilian Deaths	Dollar Loss
	4,623	127	119	0	57	\$122,174,568
<b>% OF TOTAL</b>	<b>75%</b>	<b>41%</b>	<b>61%</b>	<b>0%</b>	<b>84%</b>	<b>53%</b>

\* Percent of Structure Fires

<b>EDUCATIONAL</b>						
	Number of Incidents	Firefighter Injuries	Civilian Injuries	Firefighter Deaths	Civilian Deaths	Dollar Loss
	57	0	0	0	0	\$14,468,040
<b>% OF TOTAL</b>	1%*	0%	0%	0%	0%	6%

\* Percent of Structure Fires

<b>PUBLIC ASSEMBLY</b>						
	Number of Incidents	Firefighter Injuries	Civilian Injuries	Firefighter Deaths	Civilian Deaths	Dollar Loss
	162	3	1	0	0	\$2,111,626
<b>% OF TOTAL</b>	3%	1%	1%	0%	0%	1%

\* Percent of Structure Fires

<b>STORE AND OFFICE</b>						
	Number of Incidents	Firefighter Injuries	Civilian Injuries	Firefighter Deaths	Civilian Deaths	Dollar Loss
	193	1	3	0	0	\$10,621,817
<b>% OF TOTAL</b>	3%*	<1%	2%	0%	0%	5%

\* Percent of Structure Fires

## **SUMMARY**

Cooking caused the largest percentage of structure fires. Fires in residential spaces represent 75 percent of all structure fires and 98 percent of fire deaths in structures. While careless smoking accounts for only three percent of structure fires, it caused 30 percent of known fire fatalities.

Five percent of all reported fire causes were listed as “other causes”. Fire departments should provide the maximum available information on MFIRS reports. In order to focus our fire prevention efforts where the greatest need exists, complete reporting is essential.

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

### **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 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.



# INCENDIARY FIRES

THIS FIRE SUSPECTED TO BE A RESULT OF:

## ARSON

Hot-line  
1-800-723-2020  
Rewards Offered

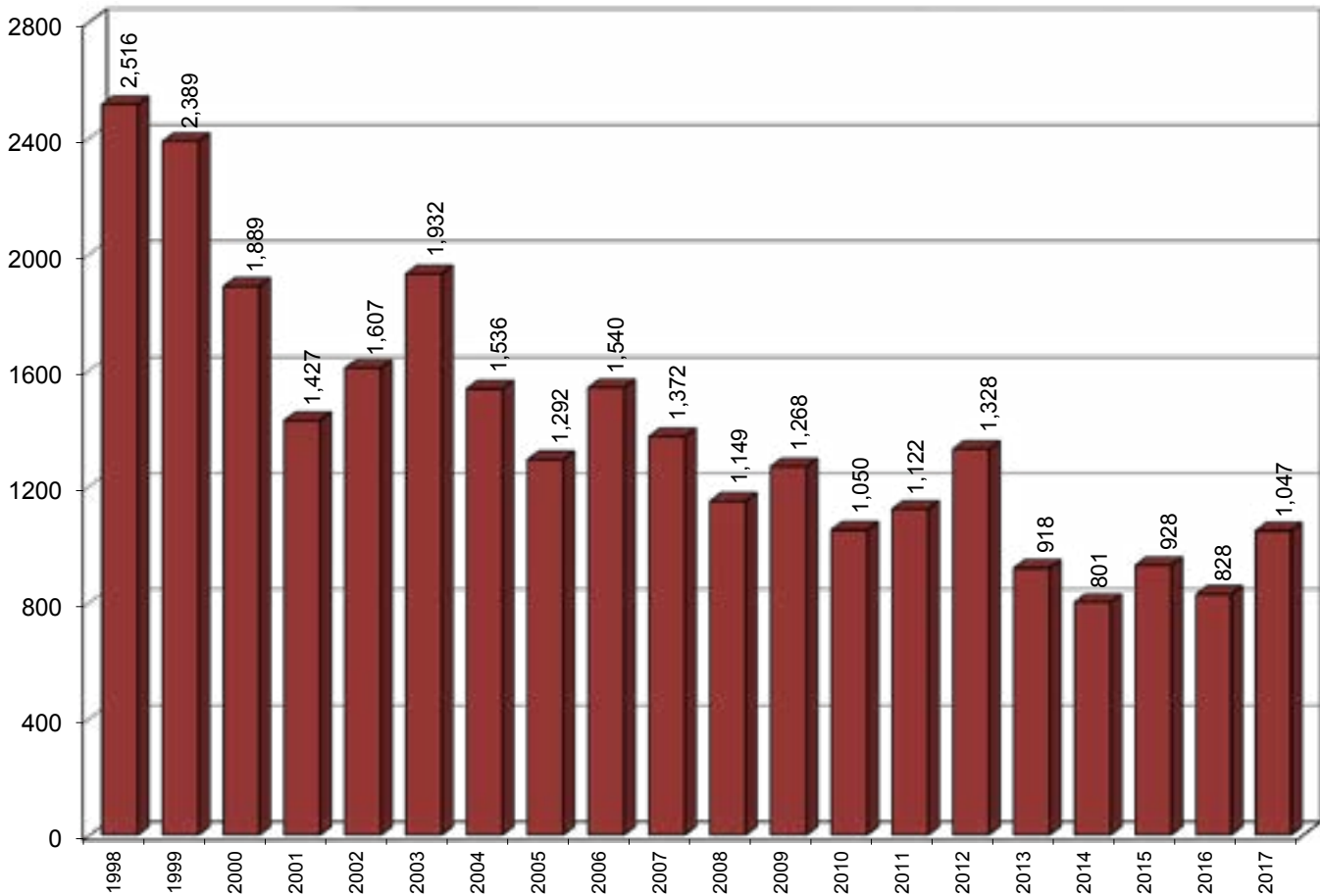


Rewards Of Up To \$2,500 For  
Information Leading To The Identification  
Of Persons Responsible For This Fire  
Minnesota Arson Reward Project - (MARP)

There were 1,047 identified incendiary fires in 2017, a 26 percent increase from 2016.

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 2017 was over \$10 million, an 83 percent increase from 2016. Both numbers are considerably lower than those in the 1990s.

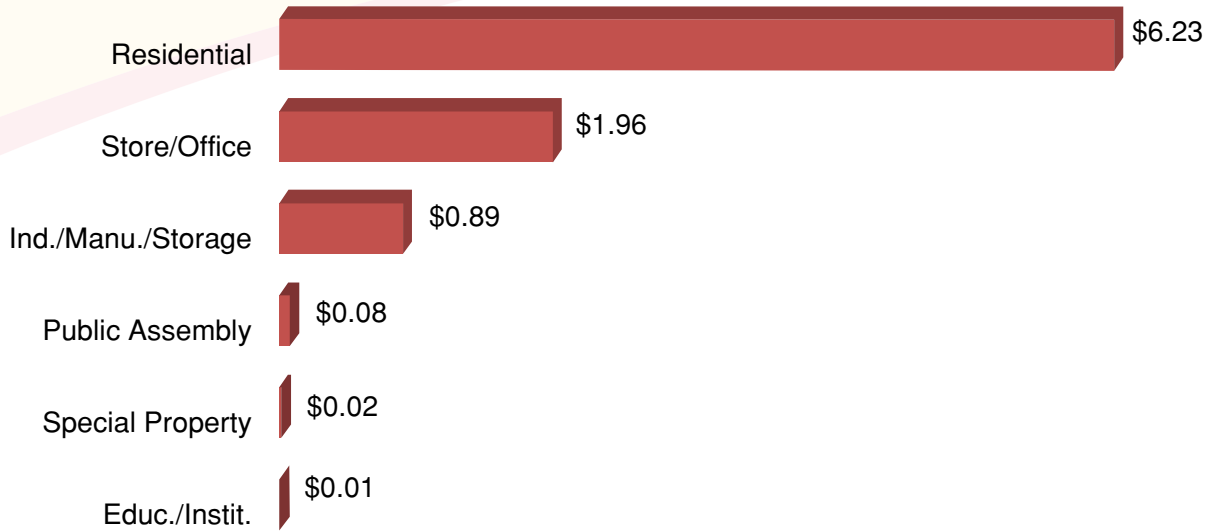
## INCENDIARY FIRES IN MINNESOTA



## Most Common Buildings for Incendiary Fires

- Residential structures: 55 percent
- Industrial/manufacturing/storage: 22 percent
- Special property: 9 percent
- Public assembly: 5 percent
- Store/office: 5 percent
- Educational/institutional: 3 percent

## INCENDIARY DOLLAR LOSS (in millions)

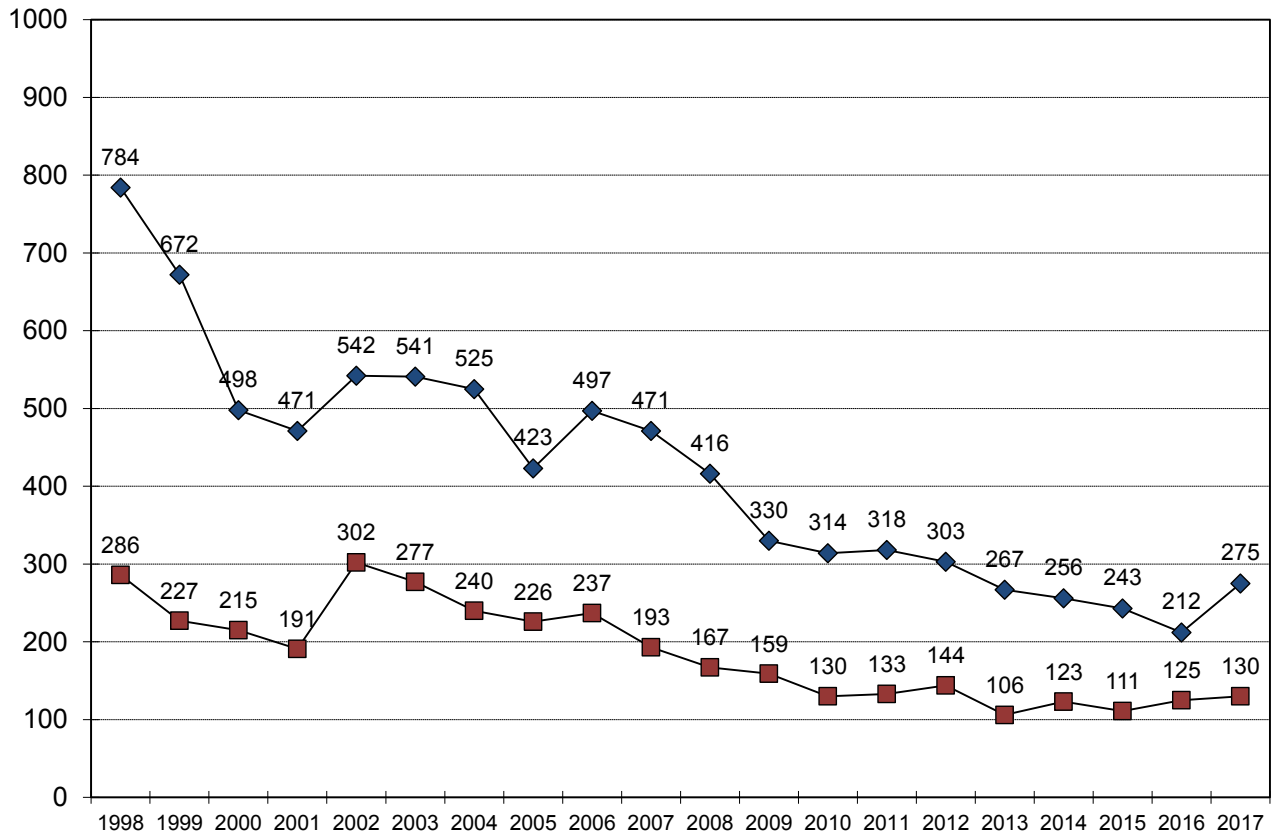


In 2017, “Incendiary” was listed as the cause of 5 percent of all reported structure fires with known causes and 5 percent of all reported vehicle fires in Minnesota.

Vehicle incendiary dollar loss represented 4 percent of total vehicle fire dollar loss with an average dollar loss per incendiary vehicle fire of \$8,344.

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

## INCENDIARY STRUCTURE AND VEHICLE FIRES



## INCENDIARY FIRE DAMAGE IN MINNESOTA (in millions)

Year	Structures	Vehicles	Totals
2017	\$9.2	\$1.1	\$10.3
2016	\$5.0	\$0.6	\$5.6
2015	\$6.6	\$1.5	\$8.1
2014	\$6.0	\$0.6	\$6.6
2013	\$5.5	\$0.5	\$6.0
2012	\$9.9	\$1.1	\$11.0
2011	\$7.5	\$0.5	\$8.0
2010	\$6.5	\$0.6	\$7.1
2009	\$5.3	\$0.9	\$6.2
2008	\$7.0	\$1.1	\$8.1
2007	\$13.5	\$1.1	\$14.6
2006	\$13.4	\$1.0	\$14.4
2005	\$8.7	\$0.8	\$9.5
2004	\$10.2	\$1.0	\$11.2
2003	\$8.5	\$1.2	\$9.7
2002	\$12.9	\$1.4	\$14.3
2001	\$8.1	\$1.1	\$9.2
2000	\$8.1	\$1.1	\$9.2
1999	\$15.3	\$1.3	\$16.6
1998	\$11.1	\$1.3	\$12.4
1997	\$13.8	\$0.9	\$14.7
1996	\$20.5	\$1.3	\$21.8
1995	\$16.9	\$0.9	\$17.8

### SUMMARY

Incendiary fires increased in 2017 and dollar loss for also increased. Incendiary fires were the cause of 5 percent of structure fires with known causes.

In 2017, 55 percent of all incendiary structure fires were in residential property as well as 60 percent of all incendiary dollar loss.

In the past 29 years, incendiary fires caused 73 deaths and more than \$383.2 million in property loss.

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

### 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.



422

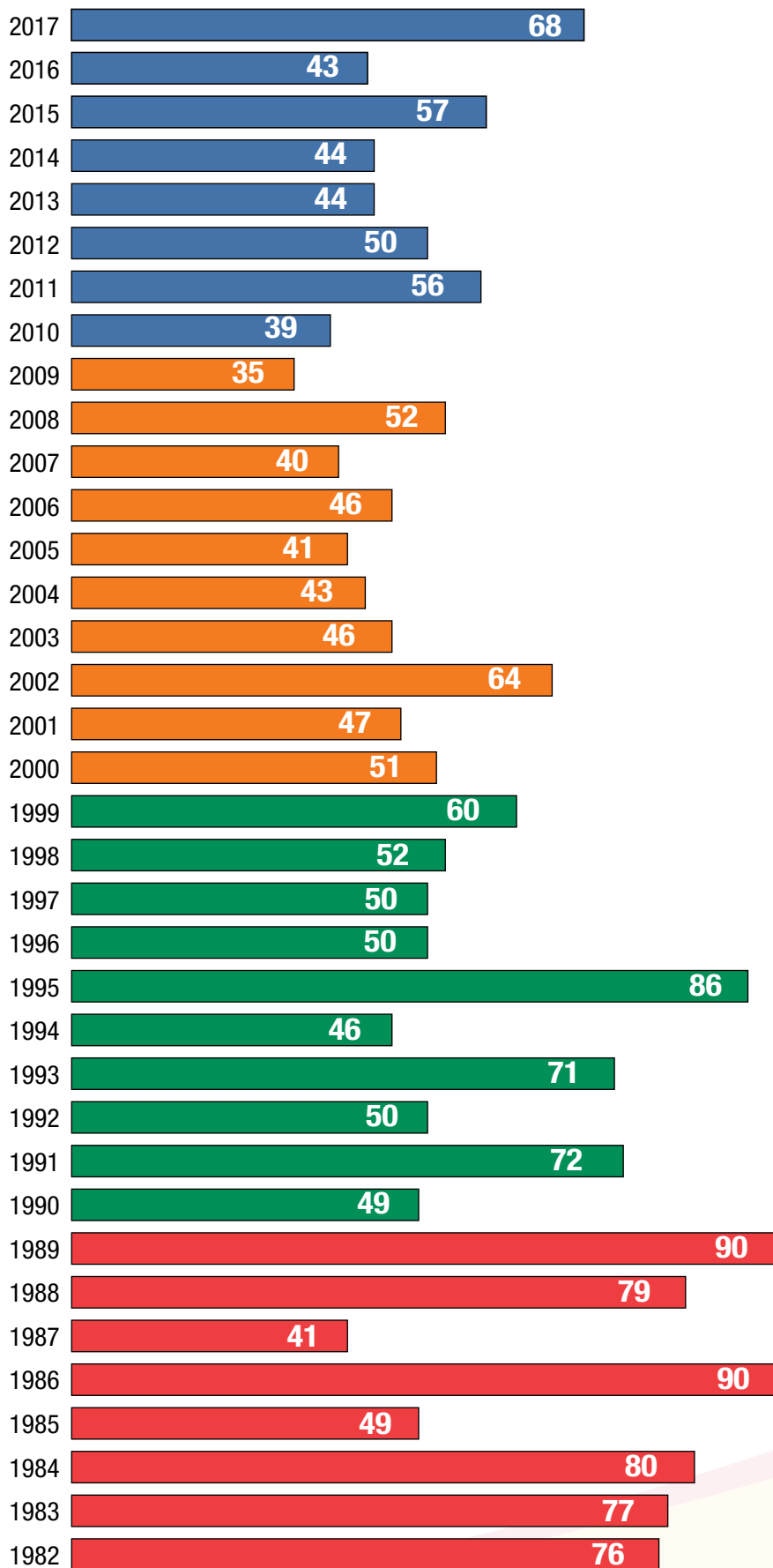
# CASUALTIES

42146





## FIRE DEATHS THE PAST 30+ YEARS



## Evolving to protect a changing population

The population of Minnesota is changing. With the change in population comes a change in the risks we see in our communities. The number of EMS calls continues to increase each year, as it has since 2009. Last year also marked a deadly year for fires in Minnesota with 68 people losing their lives due to fire. This means that 2017 was the deadliest year for fires in the state since 1995. We're seeing adults over age 50 die in fires at an alarming rate — a trend that is likely to continue as our population ages. Everyone from firefighters to family members to fire educators must play a role in reversing this trend. How? With education. With honest and open discussions about the dangers of fire. With facts.

### Our Aging State

You may have heard the terms the Silver Tsunami or the silver surge, but are you ready for it? Since 2011, 10,000 baby boomers each day are turning 65 across the country. This trend will continue for another twelve years. Here in Minnesota, the number of residents turning 65 in this decade (about 285,000) will be greater than the past four decades combined, according to the Minnesota State Demographic Center.

### Population Shifting

Meanwhile, more Minnesota counties saw population decreases than increases. Several counties in greater Minnesota lost as much as 5 percent of their population in the past seven years. More than 90 percent of the population growth in Minnesota was in the Twin Cities metro area. The largest percentages of population growth occurred in the southwest side of the metro, including Carver and Scott counties.

### Changing Risk

Our older adults are dying in fire at a higher percentage than any other population group. This trend is increasing each decade. During the time frame of 1990-1999, the fire deaths in adults over the age of 60 accounted for 29 percent of all fire deaths. During 2000-2009, that increased to 34 percent. In the most recent period from 2010 until 2017, fire deaths in adults over 60 increased to 45 percent of the total fire deaths. In 2017, there were 35 fire deaths for adults over the age of 60.



Years	No. of Fire Deaths (60+)	Total Fire Deaths	Percentage
1990-1999	168	585	29%
2000-2009	157	461	34%
2010-2017	181	401	45%

If you are picturing a little frail gray-haired man or woman, you might have the wrong image. As a person is celebrating the milestone of reaching age 50, they have also reached a point where they are more likely to die in a fire than any other point in their life.

Although the population is growing in the Twin Cities metro area, the fire death rate in greater Minnesota is almost twice the rate in the seven-county metro area. In 2017, the fire death rate per 100,000 population in the metro area was .63, while greater Minnesota experienced a fire death rate of 1.21. The data reflects that the same program may not reduce fire deaths in different locations across the state. There is not a one-size-fits-all solution.

These changes may have compounding effects for the departments outside of the seven-county metro area. As the population in greater Minnesota is proportionately older and the number of residents are decreasing, the fire death rate may continue to rise without increased interventions.

## Reducing the Risk

As the population of the state changes over time, the programs the Minnesota fire service offers and performs will also have to change. The types of emergency calls will continue to

change but the prevention programs also need to evolve. The Minnesota fire service has a strong history and continues to provide high-quality educational programming to our youth, which is reflected in the data: The lowest number of fire deaths in 2017 were in the 0-19 age group.

It is important to evaluate the risks of the community and respond to the risks as they evolve and change. It is important to reach the right people, at the right time, with the right message when they need it.



# Fire Deaths and Smoke Alarm Performance

In 2017, 68 civilians lost their lives in Minnesota fires, which is an increase of 58 percent. In 23 percent of the residential casualties, smoke alarms were absent or non-operating. In 46 percent of residential fires, it was not possible to determine whether a smoke alarm was present or operating.

FIRE DEATHS AND SMOKE ALARM PERFORMANCE			
Circumstance	Fatalities	% of Dwelling Fires	% of Total Deaths
No Smoke Alarms Present	5	9%	7%
Inoperable Smoke Alarms Present	8	14%	12%
Working Smoke Alarms Present	17	30%	25%
Unknown If Alarms Present/Working	26	46%	38%
Not a Factor/Suicides, Explosions, etc.	1	2%	3%
<b>TOTAL DEATHS IN DWELLINGS</b>	<b>57</b>	<b>100%</b>	<b>85%</b>
Other Fire Deaths (Including vehicles, outdoors, other structures, etc.)	11		15%
<b>TOTAL FIRE DEATHS</b>	<b>68</b>		<b>100%</b>

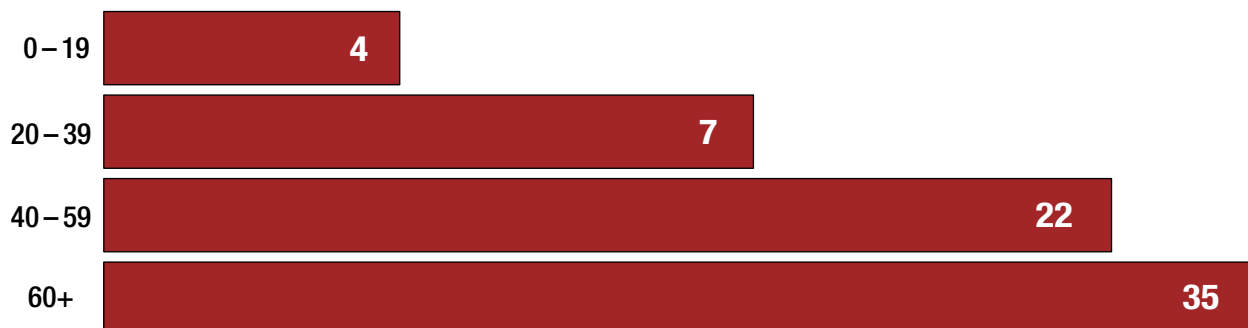
## Seventeen Deaths in Homes with Working Smoke Alarms: Why Didn't They Get Out?

- Alcohol Use: . . . . . 2
- Fire Spread Too Quickly: . . . . . 5
- Clothing Caught on Fire: . . . . . 2
- Medical /Mobility Issues: . . . . . 3
- Smoking with oxygen tank nearby: . . . . . 1
- Irrational Action: . . . . . 4

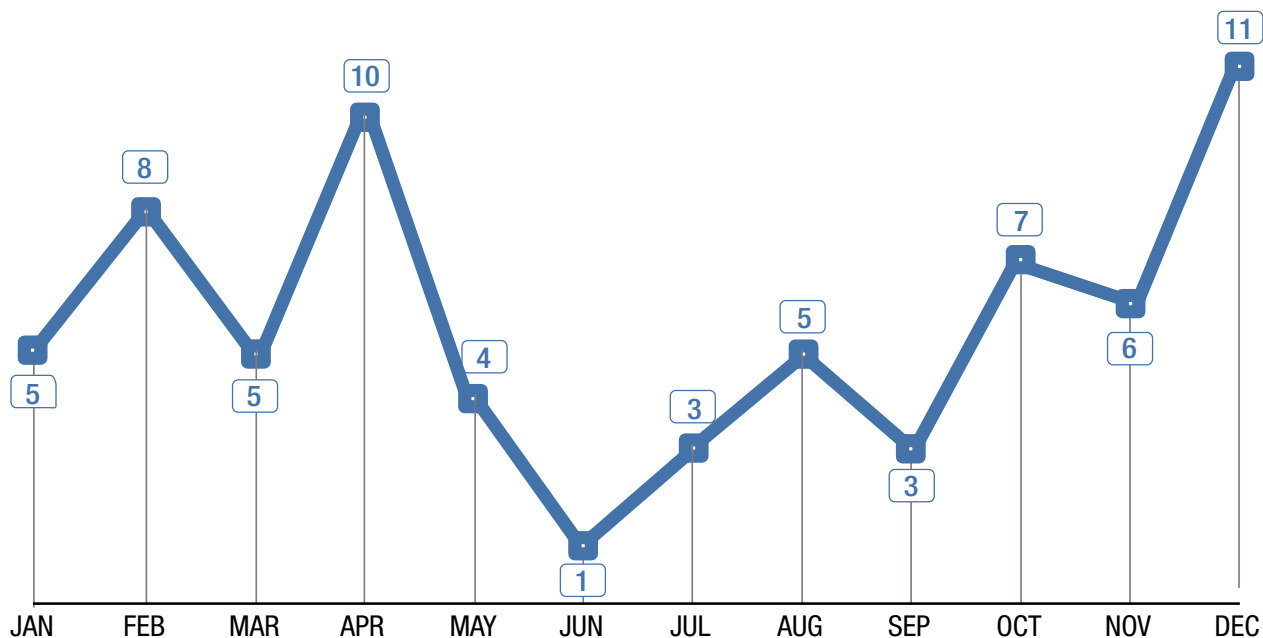
## Civilian Fire Deaths

The number of people killed in fires in 2017 who were age 60 or older increased by 118 percent. The number of people ages 40-59 killed in fires also jumped. That increase was 57 percent. Thirty-five percent of fire deaths in 2017 occurred between the hours of midnight and 6 a.m. Thirty-five percent of the fire deaths occurred in October through December.

### CIVILIAN FIRE DEATHS BY AGE



## CIVILIAN FIRE DEATHS BY MONTH



## FIRE DEATHS BY TIME OF DAY

Cause	0000-0600	0600-1200	1200-1800	1800-2400	Total
Careless Smoking	3	3	3	2	11
Careless Open Burning	1	0	2	0	3
Arson/Suicide	1	1	2	2	6
Combustible too Close	4	0	3	2	9
Cooking	1	1	0	1	3
Other	1	2	0	2	5
Undetermined	13	8	8	2	31
<b>TOTAL</b>	<b>24</b>	<b>15</b>	<b>18</b>	<b>11</b>	<b>68</b>

# Civilian Fire Deaths: Where and Why?

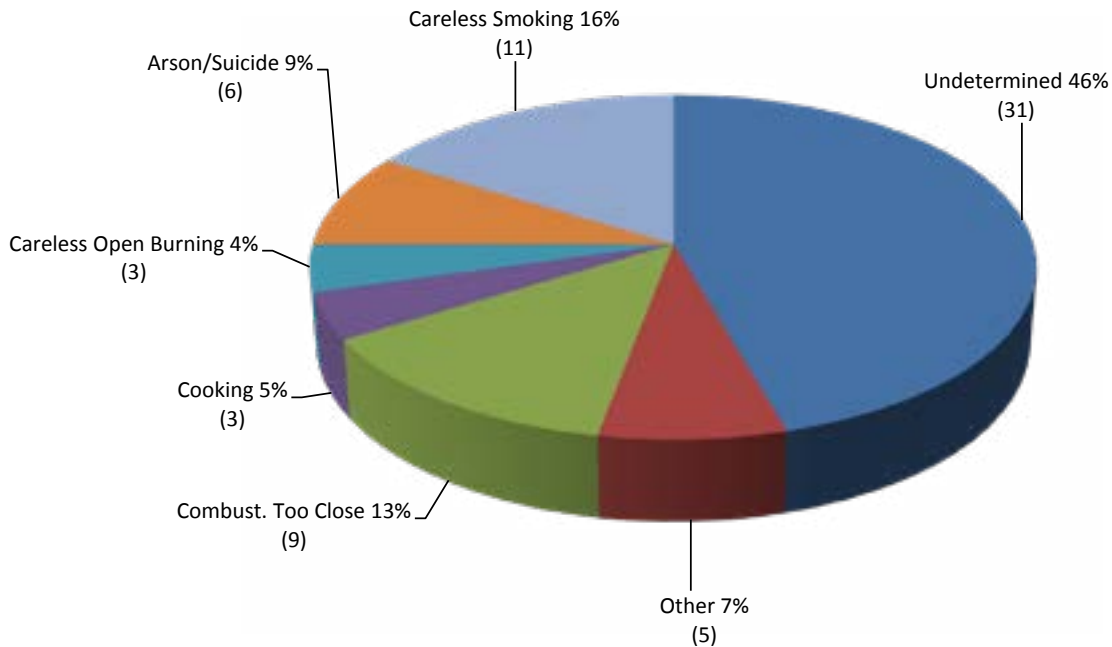
Eighty-four percent of all 2017 fire deaths occurred where people generally feel safest – in their homes.

## 2017 civilian fire deaths by location:

- Single family homes: . . . . . 41
- Multi-family homes . . . . . 16
- Outside . . . . . 9
- Vehicle . . . . . 1
- Other . . . . . 1

In 2017, careless smoking was the leading cause of known fatal fires. Alcohol or drug use was a factor in 27 percent of the careless smoking deaths and in 26 percent of all fire deaths.

## CIVILIAN FIRE DEATHS BY CAUSE



## 2017 FIRE DEATHS

Date	City/Town	Structure	Cause	Age
1/12/2017	Mound	Apartment	Careless Smoking	61
1/13/2017	Motley	Single Family	Portable Heater-Unattended	20
1/13/2017	Mountain Iron	Single Family	Undetermined	57
1/25/2017	St. Paul	Apartment	Undetermined	27
1/25/2017	St. Paul	Apartment	Undetermined	1
2/2/2017	Cloquet	Single Family	Undetermined	51
2/2/2017	Hermantown	Single Family	Undetermined	87
2/4/2017	Buhl	Single Family	Undetermined	52
2/7/2017	Brooklyn Park	Single Family	Undetermined	62
2/9/2017	Austin	Single Family	Cooking	58

## 2017 FIRE DEATHS

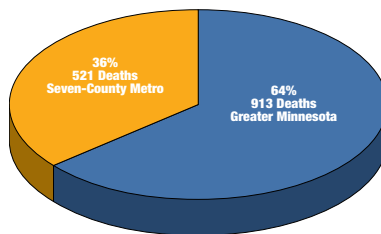
Date	City/Town	Structure	Cause	Age
2/14/2017	Duluth	Single Family	Undetermined	64
2/22/2017	Northome	Single Family	Undetermined	95
2/22/2017	Northome	Single Family	Undetermined	92
3/3/2017	Minneapolis	Apartment	Undetermined	54
3/10/2017	Duluth	Garage	Combustible Too Close	87
3/13/2017	Badger	Single Family	Careless Smoking	51
3/15/2017	Moorhead	Apartment	Careless Smoking	58
3/20/2017	Paynesville	Apartment	Undetermined	71
4/7/2017	Minneapolis	Single Family	Undetermined	56
4/8/2017	Moose Lake	Outdoors	Combustible Too Close	66
4/10/2017	Hardwick	Outdoors	Careless Open Burning	85
4/10/2017	Zumbro Falls	Single Family	Suicide	59
4/11/2017	Sleepy Eye	Outdoors	Careless Open Burning	73
4/11/2017	Grand Rapids	Single Family	Undetermined	31
4/13/2017	Roseville	Street	Gasoline Leak/Spill	34
4/14/2017	Moorhead	Single Family	Combustibles Too Close	68
4/26/2017	Cross Lake	Street	Careless Open Burning	92
4/27/2017	Minneapolis	Apartment	Undetermined	58
5/9/2017	Pine City	Single Family	Undetermined	86
5/20/2017	Cleveland	Single Family	Natural Gas Leak	80
5/20/2017	Cleveland	Single Family	Natural Gas Leak	54
5/31/2017	Wayzata	Apartment	Combustible Too Close	69
6/28/2017	Maplewood	Single Family	Careless Smoking	76
7/21/2017	Longville	Resort	Careless Smoking	48
7/21/2017	Longville	Resort	Careless Smoking	86
7/22/2017	Minneapolis	Single Family	Combustible Too Close	72
8/2/2017	Aurora	Single Family	Undetermined	82
8/2/2017	Tower	Single Family	Cooking	<1
8/24/2017	Inver Grove Hgts.	Single Family	Careless Smoking	69
8/25/2017	Austin	Single Family	Cooking	40
8/31/2017	Pinewood	Single Family	Undetermined	56
9/22/2017	McGregor	Single Family	Undetermined	91
9/26/2017	Minneapolis	Vehicle Parking Lot	Suicide	34

## 2017 FIRE DEATHS

Date	City/Town	Structure	Cause	Age
9/28/2017	Minneapolis	Single Family	Arson	36
10/6/2017	Minneapolis	Apartment	Arson	59
10/6/2017	Minneapolis	Apartment	Arson	52
10/7/2017	Minneapolis	Apartment	Combustible Too Close	92
10/20/2017	St. Paul Park	Outdoors	Undetermined	75
10/25/2017	Thief River Falls	Outdoors	Combustible Too Close	86
10/28/2017	Clearbrook	Cabin	Undetermined	52
10/28/2017	Clearbrook	Cabin	Undetermined	58
11/9/2017	Hines	Single Family	Appliance Failure	76
11/11/2017	Robbinsdale	Single Family	Careless Smoking	66
11/14/2017	Minneapolis	Single Family	Careless Smoking	55
11/25/2017	Detroit Lakes	Apartment	Careless Smoking	72
11/25/2017	Hasting	Apartment	Careless Smoking	69
11/30/2017	Chisago City	Single Family	Undetermined	55
12/1/2017	St. Paul	Outdoors	Combustible Too Close	75
12/5/2017	Chanhassen	Apartment	Combustible Too Close	90
12/7/2017	St. Paul	Single Family	Undetermined	69
12/15/2017	St. Paul	Street	Arson	54
12/25/2017	Marshall	Single Family	Undetermined	49
12/26/2017	Hibbing	Single Family	Undetermined	4
12/26/2017	Hibbing	Single Family	Undetermined	63
12/26/2017	Hibbing	Single Family	Undetermined	67
12/26/2017	Hibbing	Single Family	Undetermined	9
12/26/2017	Lakeville	Single Family	Undetermined	29
12/30/2017	Columbia Hgts.	Garage	Undetermined	69

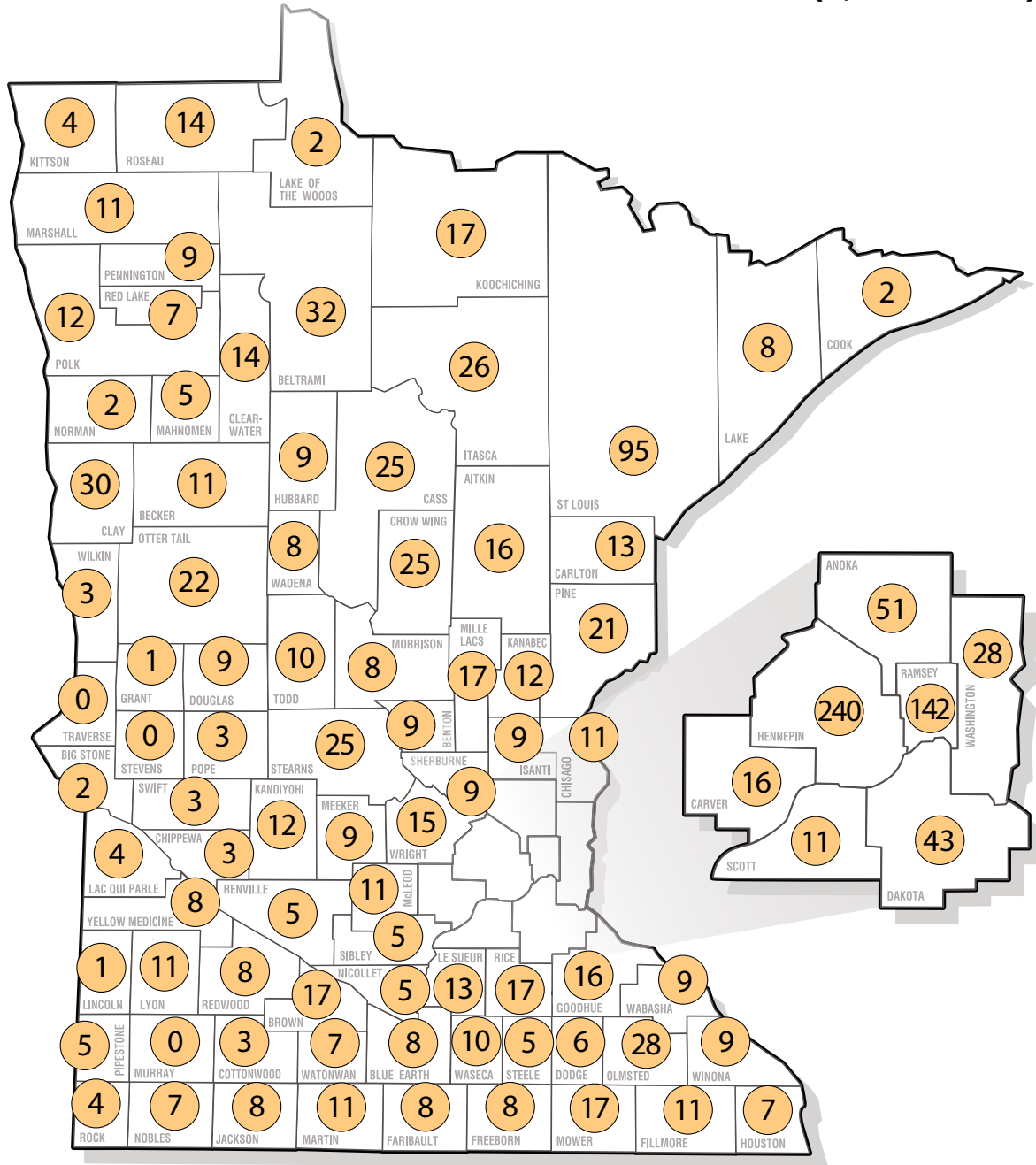
In the past 28 years, 1,434 Minnesota civilians have died in fires (see distribution by county on the next page). In 2017, 45 percent of our state population lived in greater Minnesota, where the per capita fire death rate was 1.65 deaths for every 100,000 people. The per capita fire death rate for the metro area in 2017 was 0.89 per 100,000, while the rate for the state as a whole was 1.23 per 100,000. That is slightly above the national per capita fire death rate, which was 1.12 per 100,000. There are three Minnesota counties that have remained fatality free for the past 28 years: Traverse, Stevens and Murray.

**CIVILIAN FIRE DEATHS SINCE 1990  
(1,434 TOTAL)**





## CIVILIAN FIRE DEATHS BY COUNTY SINCE 1990 (1,434 TOTAL)



### 30-Plus Years of Fire Death History

As Minnesota's population has grown from 3.8 million in 1970 to 5.5 million in 2017, 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.

# Firefighter Deaths

The Minnesota Fire Service mourns the loss of one of its members in 2017. Firefighter Jeff Vollmer died after a physical training exercise in Mayer.

In 2017, 60 on-duty firefighter deaths occurred in the United States. This is the lowest number reported since 1997. We honor those who have fallen and remember them with pride and gratitude for their dedicated service in protecting their fellow citizens..

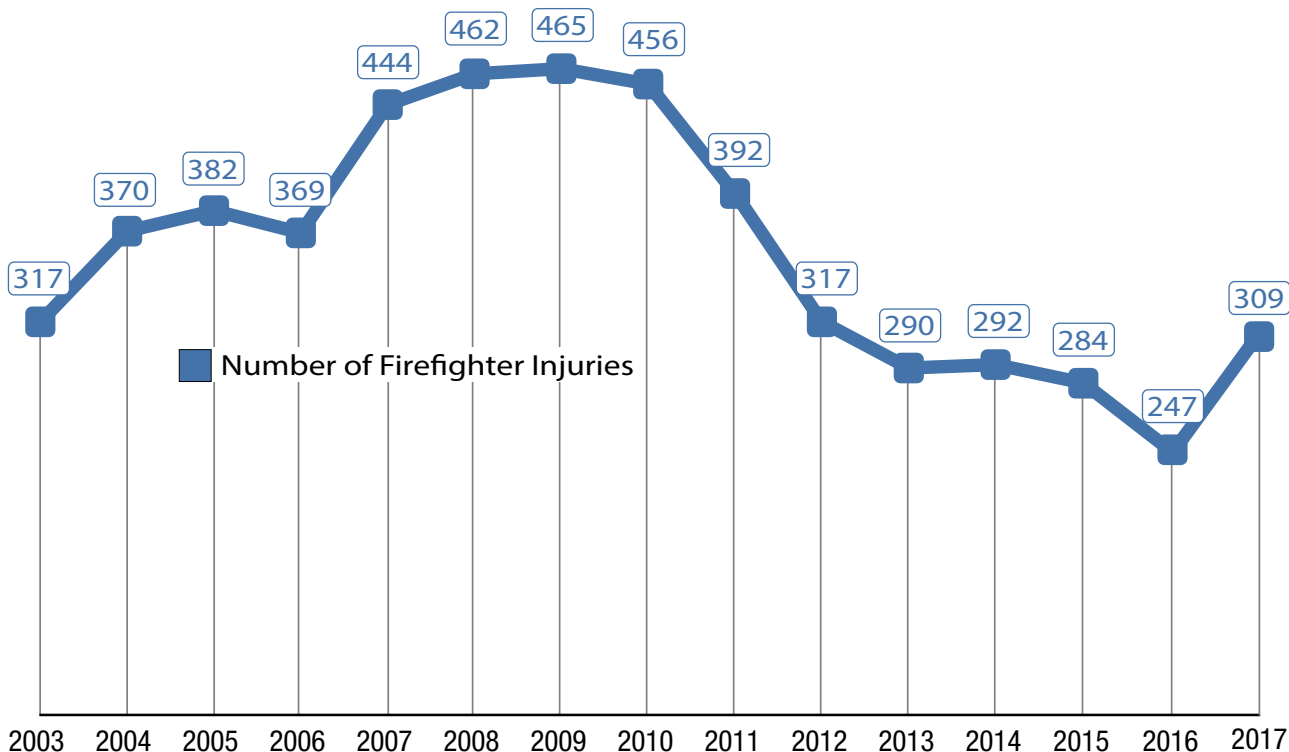
## MINNESOTA FIREFIGHTER LINE OF DUTY DEATHS 1996 – 2017

Year	Name Of Firefighter	City
1996	Melvin Windschitl	Chanhassen
1997	Harvey Chlian	Starbuck
1997	Leroy Swanson	Minneapolis
1998	Michael Wiborg	Chanhassen
1999	Marvin Huisman	Wilmont
1999	William Myers	St. Anthony
2002	Kim Granholm	Esko
2002	Jonathan Lanphear	Boyd
2003	Don Billig	St. Cloud
2006	David Klapprich	Wayzata
2006	Kyle Weisbrich	Melrose
2007	Barry DeLude	Minneapolis
2008	Jeremy Jylka	Pine City
2009	Ramon Hain	St. Paul
2011	Chip Imker	Cambridge
2013	Matthew Frantz	Rice Lake
2015	Shane Clifton	St. Paul
2015	Randy Hiti	Rice Lake
2017	Jeff Vollmer	Mayer

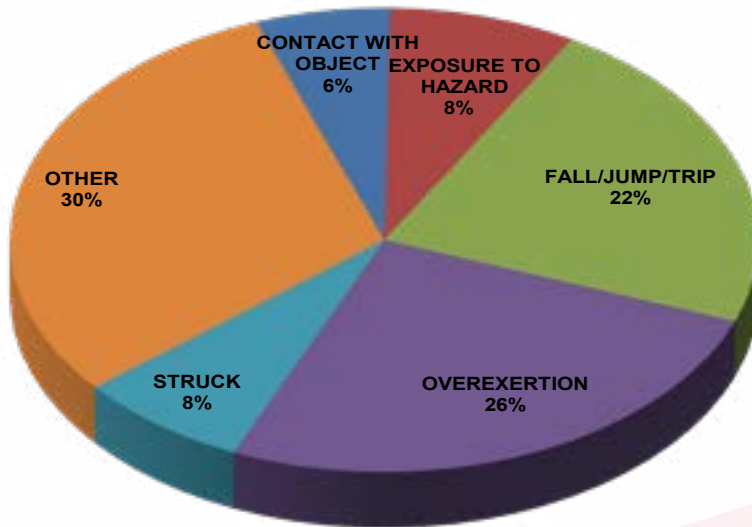
## Firefighter Injuries

In 2017, 309 Minnesota firefighters were injured on the job – an increase of 25 percent from 2016. Of these injuries, 150 (49 percent) were fire-related. Eighty-five percent of these fire-related injuries occurred while firefighters were fighting residential structure fires (127). Of known causes, “overexertion” was the most common (26 percent) with fall/jump/trip as the next highest at 22 percent.

### FIREFIGHTER INJURIES



### CAUSES OF FIREFIGHTER INJURIES



## 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 through 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 2007 through 2017 totaled almost \$3.6 million, averaging over \$359,038 per year.

FIREWORKS INCIDENTS DOLLAR LOSS <sup>†</sup>											
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
June–July	\$130,866	\$89,550	\$26,300	\$12,000	\$194,746	\$64,000	\$161,510	\$61,969	\$310,898	\$720,575	\$1,772,406
No. of Incidents	92	61	24	15	47	27	28	25	52	54	425
% of Total Dollar Loss	94%	94%	19%	21%	97%	68%	9%	73%	99%	>99%	96%
Average Dollar Loss	\$1,422	\$1,468	\$1,096	\$800	\$4,144	\$2,370	\$5,768	\$2,479	\$5,979	\$13,344	\$4,170
Total/Year	\$139,366	\$95,350	\$137,800	\$57,250	\$200,446	\$94,300	\$1,748,610 <sup>††</sup>	\$84,469	\$311,510	\$721,275	\$3,590,376
No. of Incidents	123	92	45	22	79	46	37	42	68	71	625
Average Dollar Loss	\$1,133	\$1,036	\$3,062	\$2,602	\$2,537	\$2,050	\$47,260	\$2,011	\$4,581	\$10,159	\$5,745

<sup>†</sup> Information source: Minnesota Fire Incident Reporting System (average of 98% of state fire departments report into this system).

<sup>††</sup> \$1.3M vehicle storage fire in Zumbrota, MN.

## Fireworks Injuries

Fireworks injuries most commonly occur to males between 10 and 29 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.

## FIREWORKS INJURIES BY AGE 2008 – 2017

Years of Age	2008		2009		2010		2011		2012		2013		2014		2015		2016		2017		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
0–9	12	19%	9	16%	13	15%	17	20%	15	26%	11	18%	15	21%	19	22%	14	18%	15	18%	140	19%
10–	23	36%	11	19%	19	22%	17	20%	8	14%	14	23%	14	20%	12	14%	21	28%	21	25%	161	22%
20–	13	20%	16	28%	22	25%	19	23%	12	21%	12	20%	18	25%	19	22%	14	18%	22	26%	167	23%
30–	5	8%	12	21%	10	11%	18	21%	9	16%	14	23%	12	17%	17	19%	16	21%	15	17%	128	18%
40–	5	8%	8	14%	13	15%	4	5%	10	18%	6	10%	5	7%	15	17%	7	9%	6	7%	79	11%
50+	6	9%	1	2%	10	11%	9	11%	3	5%	3	5%	7	10%	6	7%	4	5%	6	7%	55	8%
<b>Total</b>	<b>66</b>	<b>100%</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>71</b>	<b>100%</b>	<b>89</b>	<b>100%</b>	<b>77</b>	<b>100%</b>	<b>86</b>	<b>100%</b>	<b>730</b>	<b>100%</b>
Male	51	77%	45	79%	61	70%	66	78%	33	58%	45	76%	52	74%	58	65%	49	64%	61	70%	521	71%
Fe-	15	23%	12	21%	26	30%	19	22%	24	42%	15	24%	19	26%	31	35%	27	35%	24	30%	212	29%

\* Information collected from survey conducted at Minnesota hospitals from June 22 through July 15 each year.

\*\* There were two injuries in 2008, two injuries in 2011, one injury in 2015, one injury in 2016 and one injury in 2017 that listed age as “unknown” or “0.”

† There was one fire death from fireworks in 2015.

## SUMMARY

Historically, Minnesotans have been at greatest risk of fire death and injury in their own homes. In 2017, 84 percent of fire deaths and 93 percent of civilian injuries occurred in residential settings. Ninety-eight percent of fire deaths in structures were in residential property. The presence or absence of working smoke alarms is often a factor in fire fatalities. In 23 percent of fire deaths occurring in dwellings, smoke alarms were not present or not working. In 46 percent of residential deaths, it was not known whether alarms were present or functioning.

Careless smoking was the leading cause of fire deaths in 2017 with 11 fire deaths. Alcohol or drug use was an impairing factor in 26 percent of all fire deaths.

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..



# 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 2017.

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 84 counties last year, 100 percent of the fire departments reported via the MFIRS system.

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 2017, there was one fire for every 259 people.

## RUNS, DOLLAR LOSSES AND DEATHS BY COUNTY

County	Population	Fire Runs	Other Runs	Total County Dollar Loss	Fire Rate	Avg. Dollar Loss/Fire	Fire Deaths
Aitkin	15,829	68	161	\$1,378,250	259	\$22,594	1
Anoka	351,373	916	18,312	\$10,045,103	482	\$13,779	1
Becker	34,098	161	492	\$2,153,500	341	\$21,535	1
Beltrami	46,513	138	1,929	\$1,469,940	419	\$13,243	2
Benton	39,937	107	510	\$1,550,600	403	\$15,663	
Big Stone	5,026	32	35	\$3,251,775	209	\$135,491	
Blue Earth	66,973	204	3,483	\$3,756,675	370	\$20,755	
Brown	25,194	68	173	\$722,522	467	\$13,380	1
Carlton	35,498	165	3,966	\$1,974,541	348	\$19,358	1
Carver	102,119	212	3,011	\$2,041,367	837	\$16,733	1
Cass	29,355	156	625	\$1,997,140	241	\$13,869	3
Chippewa	11,980	27	87	\$94,450	479	\$3,778	
Chisago	55,308	170	1,004	\$1,318,532	485	\$11,566	1
Clay	63,569	157	3,855	\$3,131,662	454	\$22,369	2
Clearwater	8,878	70	141	\$258,502	156	\$4,535	2
Cook	5,398	31	143	\$1,996,100	300	\$110,894	
Cottonwood	11,295	33	57	\$182,900	377	\$6,097	
Crow Wing	64,424	210	1,512	\$6,849,670	364	\$38,699	1
Dakota	421,751	724	21,291	\$7,828,800	651	\$12,081	3
Dodge	20,762	65	695	\$853,875	442	\$18,168	

## RUNS, DOLLAR LOSSES AND DEATHS BY COUNTY

County	Population	Fire Runs	Other Runs	Total County Dollar Loss	Fire Rate	Avg. Dollar Loss/Fire	Fire Deaths
Douglas	37,575	137	512	\$2,233,780	316	\$18,771	
Faribault	13,784	65	216	\$1,142,700	116	\$25,970	
Fillmore	20,980	76	141	\$1,649,900	375	\$29,463	
Freeborn	30,535	112	2,400	\$745,958	402	\$9,815	
Goodhue	46,304	144	4,032	\$5,034,300	389	\$42,305	
Grant	5,941	41	120	\$2,536,700	198	\$84,557	
Hennepin	1,252,024	3,052	91,929	\$37,907,390	459	\$13,891	14
Houston	18,660	59	456	\$351,900	381	\$7,182	
Hubbard	21,018	53	62	\$936,666	467	\$20,815	
Isanti	39,582	87	1,255	1,221,455,	582	\$17,963	
Itasca	45,137	209	1,293	\$3,122,771	305	\$21,100	1
Jackson	9,946	50	74	\$480,700	243	\$11,724	
Kanabec	16,024	54	84	\$967,150	308	\$18,599	
Kandiyohi	42,743	148	417	\$1,344,525	378	\$11,898	
Kittson	4,250	47	49	\$512,002	118	\$14,222	
Koochiching	12,528	64	1,582	\$1,616,800	209	\$26,947	2
Lac Qui Parle	6,685	37	52	\$603,710	209	\$18,866	
Lake	10,524	28	156	\$456,900	329	\$20,768	
Lake of the Woods	3,744	14	7	\$409,200	374	\$40,920	
LeSueur	28,111	83	490	\$1,322,200	446	\$20,897	2
Lincoln	5,678	39	30	\$760,100	210	\$28,152	
Lyon	25,831	100	229	\$653,500	380	\$9,610	1
McLeod	35,884	138	1,266	\$1,136,070	342	\$10,820	
Mahnomen	5,596	49	43	\$573,700	170	\$17,385	
Marshall	9,356	47	89	\$347,800	223	\$8,281	
Martin	19,850	80	164	\$3,043,505	361	\$55,336	
Meeker	23,131	96	396	\$1,784,400	308	\$23,792	
Mille Lacs	25,872	103	529	\$1,662,363	308	\$19,790	
Morrison	33,064	155	501	\$2,285,450	234	\$16,209	
Mower	39,566	91	1,081	\$1,289,714	477	\$15,539	2
Murray	8,346	31	43	\$405,640	334	\$16,226	
Nicollet	33,966	91	260	\$1,074,240	515	\$16,276	
Nobles	21,944	64	259	\$1,672,900	332	\$30,980	
Norman	6,597	38	194	\$226,500	300	\$10,295	



## RUNS, DOLLAR LOSSES AND DEATHS BY COUNTY

County	Population	Fire Runs	Other Runs	Total County Dollar Loss	Fire Rate	Avg. Dollar Loss/Fire	Fire Deaths
Olmsted	154,930	258	10,746	\$5,144,353	671	\$22,270	
Otter Tail	58,345	228	902	\$1,800,611	343	\$10,592	
Pennington	14,238	50	194	\$552,700	324	\$12,561	1
Pine	29,203	161	558	\$990,750	278	\$9,436	1
Pipestone	9,087	63	59	\$615,900	185	\$12,569	
Polk	31,619	138	1,532	\$2,363,938	257	\$19,219	
Pope	10,970	68	109	\$565,300	229	\$11,777	
Ramsey	547,974	1,914	35,803	\$14,066,893	298	\$7,658	7
Red Lake	4,030	15	16	\$133,600	288	\$9,543	
Redwood	15,272	53	77	\$335,900	382	\$8,398	
Renville	14,645	79	68	\$472,850	257	\$8,296	
Rice	65,968	189	2,374	\$2,380,885	360	\$13,010	
Rock	9,490	45	121	\$3,211,825	52	\$94,465	1
Roseau	15,327	57	77	\$263,370	348	\$5,986	1
St. Louis	200,000	883	23,737	\$9,988,198	333	\$16,647	12
Scott	145,827	299	3,996	\$10,600,690	608	\$44,170	
Sherburne	94,570	220	1,500	\$2,835,443	547	\$16,390	
Sibley	14,869	44	223	\$737,650	425	\$21,076	
Stearns	157,822	487	8,726	\$5,291,290	354	\$11,864	1
Steele	36,887	104	590	\$2,106,813	384	\$21,946	
Stevens	9,634	6	40	\$70,000	2,409	\$17,500	
Swift	9,407	48	78	\$419,350	229	\$10,228	
Todd	24,515	107	373	\$1,201,250	282	\$13,807	
Traverse	3,319	22	10	\$438,400	38	\$23,074	
Wabasha	21,608	59	277	\$1,736,350	450	\$36,174	1
Wadena	13,669	67	270	\$1,695,050	297	\$36,849	
Waseca	18,787	69	869	\$393,000	391	\$8,188	
Washington	256,348	519	16,490	\$11,549,488	649	\$29,239	1
Watonwan	10,840	36	145	\$375,900	434	\$15,036	
Wilkin	6,324	29	98	\$501,300	253	\$20,052	
Winona	50,873	118	2,734	\$1,296,700	489	\$12,468	
Wright	134,286	332	3,247	\$4,793,977	557	\$19,892	
Yellow Medicine	9,867	32	44	\$651,600	340	\$22,469	
<b>Total</b>		<b>16,195</b>	<b>287,976</b>	<b>\$223,949,787</b>	<b>414</b>	<b>\$19,427</b>	<b>68</b>

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Ada-Borup	Norman	9	37	\$76,500
Adams	Mower	5	45	\$316,835
Adrian	Nobles	5	65	\$5,500
Aitkin	Aitkin	22	41	\$212,000
Alaska	Beltrami	5	6	\$0
Albany	Stearns	15	204	\$520,000
Albert Lea	Freeborn	62	2,029	\$307,158
Albertville	Wright	37	301	\$146,500
Alborn	St. Louis	7	42	\$422,000
Alden	Freeborn	5	43	\$7,500
Alexandria	Douglas	44	147	\$528,400
Almelund	Chisago	12	108	\$2,000
Alpha	Jackson	2	11	\$2,000
Altura	Winona	12	14	\$328,500
Alvarado	Marshall	3	18	\$0
Amboy	Blue Earth	5	44	\$0
Andover	Anoka	58	952	\$963,901
Annandale	Wright	14	193	\$164,000
Anoka-Champlin	Anoka	83	629	\$227,900
Apple Valley	Dakota	100	1,687	\$264,007
Appleton	Swift	15	12	\$0
Arco	Lincoln	1	0	\$0
Argyle	Marshall	4	8	\$0
Arlington	Sibley	4	38	\$0
Arrowhead	St. Louis	1	0	\$0
Ashby	Grant	9	7	\$71,500
Askov	Pine	11	61	\$39,600
Atwater	Kandiyohi	11	17	\$50,000
Audubon	Becker	19	33	\$185,000
Aurora	St. Louis	10	30	\$121,050
Austin	Mower	55	889	\$552,279
Avon	Stearns	20	166	\$396,600
Babbitt	St. Louis	7	24	\$1,200
Backus	Cass	12	22	\$34,000
Badger	Roseau	7	3	\$60,000
Bagley	Clearwater	37	34	\$0
Balaton	Lyon	12	26	\$196,500
Balsam Vol.	Itasca	13	96	\$102,000

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Barnesville	Clay	17	42	\$100,800
Barnum	Carlton	13	114	\$0
Barrett	Grant	2	23	\$50,000
Battle Lake	Ottertail	15	13	\$1
Baudette	Lake Of The Woods	10	6	\$409,200
Bayport	Washington	33	1,300	\$1,167,350
Bear Creek	Clearwater	0	0	\$0
Beardsley	Big Stone	5	0	\$25,000
Bearville Township	Itasca	3	2	\$56,000
Beaver Creek	Rock	7	13	\$1,600
Becker	Sherburne	31	413	\$100,450
Belgrade	Stearns	12	80	\$60,400
Belle Plaine	Scott	27	106	\$237,350
Bellingham	Lac Qui Parle	11	17	\$59,360
Beltrami	Polk	2	15	\$0
Belview	Redwood	3	2	\$0
Bemidji	Beltrami	105	1,880	\$979,690
Benson	Swift	15	48	\$370,150
Bertha	Todd	9	18	\$58,750
Bethel	Anoka	18	12	\$25,000
Big Falls	Koochiching	1	1	\$1,000
Big Lake	Sherburne	31	124	\$798,100
Bigelow	Nobles	5	14	\$12,000
Bigfork	Itasca	10	21	\$0
Birchdale	Sherburne	0	0	\$0
Bird Island	Renville	10	10	\$180,000
Biwabik	St. Louis	3	28	\$138,000
Biwabik Township	St. Louis	4	33	\$5,000
Blackduck	Beltrami	11	20	\$265,550
Blackhoof	Carlton	12	56	\$55,000
Blomkest	Kandiyohi	11	43	\$0
Blooming Prairie	Steele	19	48	\$362,188
Bloomington	Hennepin	190	1,623	\$728,412
Blue Earth	Faribault	19	56	\$67,550
Bluffton	Ottertail	6	5	\$0
Bois Forte	St. Louis	2	4	\$0
Borup	Norman	7	5	\$466,400
Bowlus	Morrison	7	5	\$466,400

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Boyd	Lac Qui Parle	3	16	\$15,000
Braham	Isanti	0	4	\$0
Brainerd	Crow Wing	87	382	\$3,178,770
Brandon	Douglas	12	92	\$6,600
Breckenridge	Wilkin	14	16	\$481,300
Breitung Township	St. Louis	8	35	\$134,500
Brewster	Nobles	5	44	\$57,600
Bricelyn	Faribault	4	1	\$12,500
Brimson	St. Louis	0	19	\$0
Brook Park	Pine	11	5	\$1,100
Brooklyn Center	Hennepin	131	1,338	\$836,485
Brooklyn Park	Hennepin	237	8,728	\$1,627,566
Brooten	Stearns	16	33	\$155,000
Browerville	Todd	25	36	\$295,500
Browns Valley	Traverse	4	3	\$137,500
Brownsdale	Mower	6	58	\$23,000
Brownsville	Houston	5	49	\$8,200
Brownton	Mcleod	5	80	\$1,800
Bruno	Pine	5	3	\$5,000
Buffalo	Wright	35	186	\$567,800
Buffalo Lake	Renville	12	18	\$30,250
Buhl	St. Louis	5	16	\$0
Burnsville	Dakota	124	6,509	\$840,160
Butterfield	Watonwan	1	26	\$0
Buyck	St. Louis	4	8	\$17,000
Byron	Olmsted	15	60	\$26,700
Caledonia	Houston	11	19	\$123,500
Callaway	Becker	12	10	\$225,000
Cambridge	Isanti	34	340	\$627,100
Camp Ripley	Morrison	15	70	\$0
Campbell	Wilkin	6	13	\$0
Canby	Yellow Medicine	13	13	\$85,000
Cannon Falls	Goodhue	22	230	\$170,000
Canosia Township	St. Louis	22	111	\$0
Canton	Fillmore	8	3	\$12,500
Carlos	Douglas	7	10	\$0
Carlton	Carlton	23	188	\$148,800
Carsonville	Becker	17	168	\$82,000

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Carver	Carver	11	150	\$123,000
Cass Lake	Cass	59	48	\$80
Centennial	Anoka	29	284	\$126,000
Center City	Chisago	7	157	\$0
Central Lakes	St. Louis	7	25	\$7,100
Ceylon	Martin	13	3	\$30,600
Chain Of Lakes	Stearns	6	27	\$6,000
Chandler	Murray	1	10	\$0
Chanhassen	Carver	29	724	\$319,902
Chaska	Carver	35	682	\$194,075
Chatfield	Fillmore	15	28	\$11,800
Cherry Township	St. Louis	11	60	\$58,000
Chisago City	Chisago	12	65	\$170,002
Chisholm	St. Louis	17	117	\$219,400
Chokio	Stevens	2	1	\$0
Clara City	Chippewa	8	11	\$0
Claremont	Dodge	4	4	\$11,050
Clarissa	Todd	18	88	\$53,000
Clarkfield	Yellow Medicine	2	5	\$40,500
Clarks Grove	Freeborn	9	108	\$130,100
Clear Lake	Sherburne	22	185	\$86,500
Clearbrook	Clearwater	11	96	\$12,100
Clearwater	Wright	22	238	\$85,850
Clements	Redwood	2	1	\$1,000
Cleveland	Lesueur	9	59	\$570,500
Clifton Township	St. Louis	9	16	\$1,000
Climax	Polk	0	3	\$0
Clinton	Big Stone	7	4	\$1,480,000
Clinton Township	St. Louis	13	9	\$0
Clontarf	Swift	1	0	\$0
Cloquet Area	Carlton	45	2,875	\$851,350
Cohasset	Itasca	19	197	\$2,221
Cokato	Wright	24	93	\$94,500
Cold Spring	Stearns	8	301	\$184,300
Cologne	Carver	21	88	\$327,800
Columbia Heights	Anoka	60	2,819	\$110,500
Colvill Area	Cook	4	31	\$0
Colvin Township	St. Louis	1	10	\$0

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Comfrey	Brown	12	4	\$130,000
Conger	Freeborn	1	3	\$71,000
Cook	St. Louis	16	29	\$354,600
Coon Rapids	Anoka	116	6,107	\$1,221,500
Correll	Big Stone	0	0	\$0
Cosmos	Meeker	13	10	\$175,500
Cottage Grove	Washington	41	2,985	\$408,500
Cotton Volunteer	St. Louis	7	50	\$132,000
Cottonwood	Lyon	9	12	\$62,000
Courtland	Nicollet	6	35	\$0
Crane Lake	St. Louis	3	3	\$0
Cromwell	Carlton	9	23	\$215,000
Crooked Lake Township	Cass	4	34	\$36,000
Crookston	Polk	37	292	\$539,410
Crosby	Crow Wing	8	37	\$4,050
Crosslake	Crow Wing	14	307	\$136,250
Culver	St. Louis	2	7	\$260,000
Currie	Murray	5	3	\$15,350
Cuyuna	Crow Wing	0	22	\$0
Cyrus	Pope	3	1	\$47,500
Dakota	Winona	4	75	\$0
Dalbo	Isanti	12	85	\$450,000
Dalton	Ottertail	13	60	\$1,700
Danube	Renville	8	1	\$0
Danvers	Swift	5	6	\$48,200
Darfur	Watonwan	3	21	\$2,000
Dassel	Meeker	22	274	\$777,400
Dawson	Lac Qui Parle	6	10	\$225,000
Dayton	Hennepin	11	165	\$130,400
Deer Creek	Ottertail	6	43	\$60,000
Deer River	Itasca	34	48	\$259,500
Deerwood	Crow Wing	10	19	\$380,000
Degraff	Swift	3	0	\$0
Delano	Wright	33	570	\$645,000
Delavan	Faribault	3	14	\$50,000
Dent	Ottertail	17	27	\$186,150
Detroit Lakes	Becker	48	206	\$1,598,000
Dexter	Mower	3	3	\$300,000

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Dilworth	Clay	20	51	\$235,000
Dodge Center	Dodge	16	170	\$4,500
Donnelly	Stevens	1	25	\$0
Dover	Olmsted	19	45	\$214,000
Dovray	Murray	3	1	\$0
Duluth	St. Louis	191	13,048	\$1,766,654
Dumont	Traverse	2	0	\$10,000
Dunnell-Lake Freemont	Martin	1	24	\$0
Duxbury	Pine	2	56	\$0
Eagan	Dakota	87	1,676	\$655,900
Eagle Bend	Todd	10	92	\$132,100
Eagle Lake	Blue Earth	12	144	\$105,000
Eagles Nest	St. Louis	4	15	\$20,500
East Bethel	Anoka	44	589	\$728,200
East Grand Forks	Polk	23	973	\$289,928
East Hubbard County	Hubbard	2	0	\$5,025
Easton	Faribault	6	19	\$340,000
Echo	Yellow Medicine	2	6	\$0
Eden Prairie	Hennepin	72	1,692	\$782,899
Eden Valley	Meeker	3	21	\$450,000
Edgerton	Pipestone	10	12	\$19,000
Edina	Hennepin	90	5,638	\$1,252,945
Eitzen	Houston	5	29	\$55,500
Elbow Lake	Grant	11	70	\$215,500
Elbow-Tulaby Lakes	Becker	2	3	\$0
Elgin	Wabasha	13	24	\$231,500
Elizabeth	Ottertail	9	42	\$350,000
Elk River	Sherburne	54	399	\$915,750
Ellendale	Steele	6	3	\$478,000
Ellsburg	St. Louis	8	25	\$0
Ellsworth	Nobles	6	29	\$802,000
Elmer	St. Louis	1	1	\$0
Elmore	Faribault	5	69	\$33,000
Elrosa	Stearns	3	9	\$0
Ely	St. Louis	9	191	\$50,500
Elysian	Lesueur	6	65	\$122,000
Embarrass	St. Louis	0	1	\$0
Emily	Crow Wing	3	14	\$0

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Emily	Crow Wing	3	14	\$0
Emmons	Freeborn	3	51	\$0
Erskine	Polk	13	100	\$744,000
Evansville	Douglas	16	49	\$5,800
Eveleth	St. Louis	18	137	\$57,000
Evergreen	St. Louis	3	4	\$0
Excelsior	Hennepin	50	761	\$755,537
Eyota	Olmsted	10	28	\$24,500
Fairfax	Renville	6	4	\$115,000
Fairmont	Martin	31	113	\$1,261,950
Falcon Heights	Ramsey	20	99	\$81,515
Faribault	Rice	108	2,172	\$1,043,085
Farmington	Dakota	37	819	\$996,735
Fayal	St. Louis	19	131	\$3,000
Federal Dam	Cass	6	26	\$0
Felton	Clay	4	0	\$15,000
Fergus Falls	Ottertail	37	187	\$641,510
Fertile	Polk	13	15	\$0
Fifty Lakes	Crow Wing	0	2	\$0
Finland	Lake	3	7	\$30,000
Finlayson	Pine	13	79	\$36,100
Fisher	Polk	6	25	\$0
Flensburg	Morrison	2	0	\$0
Floodwood	St. Louis	9	24	\$112,000
Foley	Benton	50	231	\$997,000
Forada Township	Douglas	8	47	\$10,000
Forest Lake	Washington	55	420	\$856,300
Foreston	Mille Lacs	9	39	\$106,000
Fosston	Polk	17	29	\$40,100
Fountain	Fillmore	1	4	\$0
Foxhome	Wilkin	2	4	\$20,000
Franklin	Renville	3	0	\$30,000
Frazee	Becker	24	36	\$57,500
Fredenberg Township	St. Louis	11	96	\$216,500
Freeborn	Freeborn	2	3	\$0
Freeport	Stearns	13	60	\$77,500
French Township	St. Louis	5	8	\$3,500
Fridley	Anoka	132	3,434	\$801,893



## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Frost	Faribault	2	1	\$1,000
Fulda	Murray	10	3	\$275,650
Garfield	Douglas	9	75	\$880,300
Garrison	Crow Wing	18	161	\$2,096,100
Garvin	Lyon	3	3	\$0
Gary	Norman	3	2	\$0
Gaylord	Sibley	10	37	\$5,650
Geneva	Freeborn	5	39	\$80,000
Ghent	Lyon	7	13	\$0
Gibbon	Sibley	10	0	\$158,000
Gilbert	St. Louis	5	13	\$0
Glencoe	McLeod	21	84	\$101,000
Glenville	Freeborn	4	19	\$3,400
Glenwood	Pope	34	72	\$184,700
Glyndon	Clay	18	176	\$249,900
Gnesen Township	St. Louis	16	93	\$0
Golden Valley	Hennepin	46	603	\$1,501,312
Gonvick	Clearwater	6	1	\$57,402
Good Thunder	Blue Earth	7	80	\$5,000
Goodhue	Goodhue	22	10	\$1,485,500
Goodland Township	Itasca	1	2	\$0
Goodridge	Pennington	8	0	\$338,100
Goodview	Winona	6	137	\$2,000
Graceville	Big Stone	8	8	\$1,570,775
Granada	Martin	2	2	\$21,000
Grand Lake Township	St. Louis	19	142	\$650,000
Grand Marais	Cook	9	34	\$1,500
Grand Meadow	Mower	9	50	\$0
Grand Portage	Itasca	1	0	\$90,000
Grand Rapids	Itasca	57	174	\$1,808,950
Granite Falls	Yellow Medicine	1	0	\$0
Greaney-Rauch-Silverdale	St. Louis	1	0	\$0
Green Isle	Sibley	3	38	\$65,000
Greenbush	Roseau	12	17	\$42,500
Greenway Township	Itasca	9	227	\$13,000
Greenwood Township	St. Louis	11	144	\$27,000
Grey Eagle	Todd	6	1	\$44,000
Grove City	Meeker	10	10	\$0

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Grygla	Marshall	0	0	\$0
Gunflint Trail	Cook	2	1	\$100,000
Hackensack	Cass	7	32	\$1,500
Hallock	Kittson	9	27	\$2
Halstad	Norman	12	17	\$0
Ham Lake	Anoka	50	397	\$467,450
Hamburg	Carver	2	39	\$0
Hamel	Hennepin	9	159	\$50,200
Hancock	Stevens	2	1	\$20,000
Hanley Falls	Yellow Medicine	1	4	\$0
Hanover	Wright	13	162	\$8,700
Hanska	Brown	5	37	\$27,500
Hardwick	Rock	5	17	\$141,000
Harmony	Fillmore	6	12	\$190,000
Harris	Chisago	7	48	\$30,700
Hartland	Freeborn	1	0	\$0
Hastings	Dakota	42	455	\$620,150
Hawley	Clay	18	41	\$1,840,500
Hayfield	Dodge	14	39	\$740,000
Hayward	Freeborn	1	50	\$0
Hector	Renville	17	11	\$95,100
Henderson	Sibley	5	60	\$235,000
Hendricks	Lincoln	11	12	\$15,600
Hendrum	Norman	4	36	\$103,000
Henning	Ottertail	9	11	\$62,200
Herman	Grant	9	2	\$2,131,000
Hermantown	St. Louis	46	926	\$834,717
Heron Lake	Jackson	8	8	\$11,500
Hewitt	Todd	3	27	\$15,000
Hibbing	St. Louis	65	2,443	\$525,624
Hidden Valley	Winona	0	20	\$0
Hill City	Aitkin	10	13	\$821,500
Hills	Rock	8	41	\$841,000
Hinckley	Pine	26	51	\$197,000
Hitterdal	Clay	2	0	\$0
Hoffman	Grant	3	0	\$12,200
Hokah	Houston	3	0	\$20,000
Holdingford	Stearns	7	130	\$40,000

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Holland	Pipestone	5	0	\$1,000
Hollandale	Freeborn	5	35	\$5,000
Hopkins	Hennepin	41	1,347	\$367,337
Houston	Houston	14	14	\$17,000
Hovland	Cook	5	29	\$1,801,100
Howard Lake	Wright	14	107	\$598,500
Hoyt Lakes	St. Louis	5	23	\$10,000
Hugo	Washington	46	217	\$0
Hutchinson	McLeod	58	474	\$698,770
Ideal Township	Crow Wing	11	98	\$0
Industrial	St. Louis	8	27	\$34,000
International Falls	Koochiching	40	1,573	\$1,555,500
Inver Grove Heights	Dakota	85	1,517	\$514,250
Iona	Murray	1	11	\$6,000
Ironton	Crow Wing	4	1	\$1,200
Isanti	Isanti	41	826	\$144,355
Isle	Mille Lacs	15	21	\$231,900
Itasca Township	Clearwater	1	0	\$70,000
Ivanhoe	Lincoln	5	2	\$744,500
Jackson	Jackson	19	21	\$112,000
Jacobson	Aitkin	2	13	\$0
Janesville	Waseca	20	134	\$0
Jasper	Pipestone	12	7	\$211,000
Jeffers	Cottonwood	2	3	\$0
Jordan	Scott	19	140	\$347,500
Kabetogema	St. Louis	0	0	\$0
Kandiyohi	Kandiyohi	10	4	\$14,700
Karlstad	Kittson	1	4	\$0
Kasota	Lesueur	13	100	\$0
Kasson	Dodge	20	357	\$43,325
Keewatin	Itasca	12	88	\$50,000
Kelliher	Beltrami	10	17	\$38,500
Kellogg	Wabasha	5	1	\$0
Kelsey Township	St. Louis	0	0	\$0
Kennedy	Kittson	5	9	\$2,000
Kensington	Douglas	6	9	\$10,500
Kenyon	Goodhue	11	12	\$0
Kerkhoven	Swift	8	12	\$1,000

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Kerrick	Pine	8	0	\$50,000
Kettle River	Carlton	6	6	\$10,091
Kiester	Faribault	3	2	\$0
Kilkenny	Lesueur	6	0	\$0
Kimball	Stearns	5	163	\$0
Kinney-Great Scott Township	St. Louis	10	1	\$0
Lacrescent	Houston	9	341	\$16,400
Lafayette	Nicollet	15	13	\$626,600
Lake Benton	Lincoln	13	8	\$0
Lake Bronson	Kittson	9	6	\$0
Lake City	Wabasha	16	58	\$115,150
Lake Crystal	Blue Earth	17	57	\$78,000
Lake Elmo	Washington	34	422	\$4,138,000
Lake George	Hubbard	2	0	\$1,000
Lake Henry	Stearns	8	16	\$35,350
Lake Johanna	Ramsey	40	3,307	\$928,500
Lake Lillian	Kandiyohi	3	0	\$0
Lake Park	Becker	17	12	\$0
Lake Wilson	Murray	3	7	\$5,440
Lakefield	Jackson	15	20	\$324,700
Lakeland Township	St. Louis	4	35	\$450,000
Lakeport	Hubbard	6	12	\$80,500
Lakeville	Dakota	87	1,389	\$1,687,326
Lakewood Township	St. Louis	16	89	\$155,000
Lamberton	Redwood	6	17	\$7,060
Lancaster	Kittson	23	3	\$510,000
Lanesboro	Fillmore	2	8	\$225,000
Lasalle	Watonwan	0	0	\$0
Leaf Valley Township	Douglas	1	2	\$0
Lecenter	Lesueur	15	25	\$105,500
Leroy	Mower	5	17	\$1,000
Lester Prairie	Mcleod	9	136	\$8,500
Lesueur	Lesueur	16	60	\$251,700
Lewiston	Winona	12	39	\$204,300
Lewisville	Watonwan	5	2	\$270,000
Lexington	Anoka	5	219	\$120,000
Lindstrom	Chisago	10	44	\$1,000
Lino Lakes	Anoka	30	285	\$385,900

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Linwood Township	Anoka	14	178	\$230,000
Lismore	Nobles	4	0	\$14,000
Litchfield	Meeker	38	72	\$250,500
Little Canada	Ramsey	52	221	\$332,900
Little Falls	Morrison	33	70	\$110,000
Littlefork	Koochiching	13	2	\$60,300
Loman	Koochiching	1	0	\$0
London Township	Freeborn	4	4	\$10,000
Long Lake	Hennepin	23	360	\$123,400
Long Prairie	Todd	20	60	\$140,700
Longville	Cass	7	22	\$46,000
Lonsdale	Rice	11	0	\$0
Loretto	Hennepin	23	177	\$95,000
Louisburg	Lac Qui Parle	0	0	\$0
Lower St. Croix Valley	Washington	25	439	\$101,650
Lowry	Pope	12	6	\$39,000
Lucan	Redwood	3	0	\$100
Lutsen	Cook	3	14	\$0
Luverne	Rock	19	36	\$1,700,200
Lyle	Mower	6	7	\$91,100
Lynd	Lyon	0	0	\$0
Mabel	Fillmore	13	8	\$0
Madelia	Watsonwan	8	16	\$37,000
Madison	Lac Qui Parle	11	9	\$201,350
Madison Lake	Blue Earth	2	80	\$3,000
Magnolia	Rock	6	14	\$528,025
Mahnomen	Mahnomen	23	16	\$0
Mahtomedi	Washington	28	964	\$496,900
Mahtowa	Carlton	13	64	\$465,000
Makinen	St. Louis	0	2	\$0
Manchester	Freeborn	6	0	\$100,000
Mankato	Blue Earth	120	2,758	\$3,416,075
Mantorville	Dodge	6	105	\$45,000
Maple Grove	Hennepin	70	753	\$567,900
Maple Hill	Cook	3	5	\$3,500
Maple Lake	Wright	18	88	\$166,000
Maple P.lain	Hennepin	12	262	\$100,000
Mapleton	Blue Earth	7	133	\$0

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Mapleview	Mower	1	2	\$5,500
Maplewood	Ramsey	102	5,857	\$820,950
Marietta	Lac Qui Parle	4	0	\$74,000
Marine on St. Croix	Washington	12	83	\$0
Marshall	Lyon	33	115	\$295,500
Mayer	Carver	15	90	\$39,500
Maynard	Chippewa	0	32	\$0
Mazeppa	Wabasha	3	7	\$403,200
Mcdavitt	St. Louis	3	17	\$0
Mcgrath	Aitkin	1	4	\$0
Mcgregor	Aitkin	30	50	\$344,750
Mcintosh	Polk	9	33	\$339,000
Mckinley	St. Louis	0	0	\$0
Mdewakanton	Scott	27	1,903	\$95,110
Meadowlands	St. Louis	3	6	\$0
Medford	Steele	11	111	\$36,850
Medicine Lake	Hennepin	2	11	\$0
Melrose	Stearns	13	58	\$87,500
Menahga	Wadena	3	3	\$0
Mendota Heights	Dakota	21	282	\$292,050
Mentor	Polk	14	47	\$381,000
Middle River	Marshall	3	0	\$90,000
Miesville	Dakota	8	83	\$39,000
Milaca	Mille Lacs	20	66	\$277,325
Milan	Chippewa	3	3	\$0
Millerville	Douglas	10	2	\$490,900
Milroy	Redwood	3	0	\$0
Miltona	Douglas	6	60	\$10,000
Minneapolis	Hennepin	1,236	45,790	\$23,503,337
Minneota	Lyon	8	9	\$29,000
Minnesota City	Winona	1	5	\$0
Minnesota Lake	Faribault	1	6	\$150,000
Minnetonka	Hennepin	73	3,459	\$982,760
Mission Township	Crow Wing	6	136	\$2,000
Montevideo	Chippewa	14	41	\$89,450
Montgomery	Lesueur	15	43	\$272,500
Monticello	Wright	44	270	\$889,625
Montrose	Wright	18	158	\$590,500

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Moorhead	Clay	59	3,486	\$429,462
Moose Lake	Carlton	29	382	\$107,200
Mora	Kanabec	41	64	\$961,650
Morgan	Redwood	2	0	\$30,000
Morris	Stevens	1	13	\$50,000
Morristown	Rice	7	3	\$367,000
Morse Fall Lake	St. Louis	8	14	\$51,250
Morton	Renville	2	0	\$16,500
Motley	Morrison	17	174	\$62,000
Mound	Hennepin	45	551	\$550,600
Mountain Iron	St. Louis	29	58	\$966,100
Mountain Lake	Cottonwood	0	5	\$0
MSP International Airport	Hennepin	33	2,892	\$113,860
Murdock	Swift	1	0	\$0
Myrtle	Freeborn	3	15	\$31,800
Nashwauk	Itasca	23	44	\$791,000
Nassau	Lac Qui Parle	2	0	\$29,000
Nerstrand	Rice	0	2	\$0
Nevis	Hubbard	16	5	\$284,100
New Auburn	Sibley	0	31	\$0
New Brighton	Ramsey	75	234	\$284,800
New Germany	Carver	10	51	\$0
New London	Kandiyohi	16	57	\$422,300
New Market	Scott	26	280	\$5,059,300
New Munich	Stearns	0	31	\$0
New Prague	Scott	31	100	\$1,205,730
New Richland	Waseca	9	47	\$3,000
New Ulm	Brown	33	105	\$180,272
New York Mills	Ottertail	23	216	\$25,000
Newfolden	Marshall	9	10	\$50,700
Newport	Washington	16	115	\$39,600
Nicollet	Nicollet	10	83	\$140,000
Nielsville	Polk	<b>DID NOT REPORT</b>		
Nisswa	Crow Wing	28	270	\$441,500
Nodine	Winona	4	71	\$0
Normanna Township	St. Louis	13	28	\$500,000
North Branch	Chisago	34	98	\$194,830
North Mankato	Nicollet	31	78	\$154,640

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
North St. Paul	Ramsey	36	1,283	\$252,100
North Star	Sherburne	1	5	\$0
Northeast Sherburne	Sherburne	36	224	\$115,900
Northfield	Rice	63	197	\$970,800
Northland Township	St. Louis	3	6	\$0
Northome	Koochiching	9	6	\$0
Northrop	Martin	1	1	\$550,000
Northwest Angle	Lake Of The Woods	0	0	\$0
Norwood-Young America	Carver	18	260	\$87,600
Oak Grove	Anoka	35	163	\$857,550
Oakdale	Washington	71	2,690	\$335,050
Odessa	Big Stone	4	0	\$80,000
Odin	Watonwan	1	27	\$0
Ogema	Becker	7	6	\$0
Ogilvie	Kanabec	13	20	\$5,500
Okabena	Jackson	6	14	\$30,500
Oklee	Red Lake	7	1	\$400
Olivia	Renville	12	18	\$5,000
Onamia	Mille Lacs	10	37	\$82,813
Ormsby	Watonwan	2	14	\$0
Oronoco	Olmsted	6	18	\$1,500,000
Orr	St. Louis	6	17	\$50,000
Ortonville	Big Stone	8	23	\$96,000
Osakis	Douglas	18	19	\$291,250
Oslo	Marshall	4	21	\$0
Osseo	Hennepin	6	281	\$0
Ostrander	Fillmore	4	0	\$0
Ottertail	Ottertail	2	1	\$1,000
Owatonna	Steele	68	428	\$1,229,775
Palisade	Aitkin	3	40	\$0
Palo Township	St. Louis	11	88	\$300,000
Park Rapids	Hubbard	27	45	\$566,041
Parkers Prairie	Ottertail	5	6	\$0
Paynesville	Stearns	13	105	\$614,700
Pelican Rapids	Ottertail	22	32	\$266,550
Pemberton	Blue Earth	6	24	\$0
Pennock	Kandiyohi	3	5	\$0
Pequaywan Lake	St. Louis	1	6	\$40,000



## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Pequot Lakes	Crow Wing	21	63	\$609,800
Perham	Ottertail	27	153	\$31,500
Perley-Lee Township	Norman	3	5	\$0
Pickwick Area	Winona	5	68	\$2,000
Pierz	Morrison	29	39	\$1,205,950
Pike-Sandy-Britt	St. Louis	11	136	\$58,500
Pillager	Cass	17	271	\$1,509,560
Pine City	Pine	54	106	\$579,850
Pine Island	Goodhue	26	294	\$150
Pine River	Cass	16	130	\$97,500
Pipestone	Pipestone	24	34	\$369,900
Plainview	Wabasha	6	21	\$271,000
Plato	Mcleod	9	48	\$245,000
Plummer	Red Lake	2	9	\$200
Plymouth	Hennepin	193	1,458	\$1,310,600
Porter	Yellow Medicine	8	12	\$15,600
Preston	Fillmore	2	2	\$100
Princeton	Mille Lacs	49	366	\$964,532
Prinsburg	Kandiyohi	6	9	\$5,000
Prior Lake	Scott	58	393	\$2,533,500
Proctor	St. Louis	28	378	\$258,600
Ramsey	Anoka	44	654	\$645,800
Randall	Morrison	22	99	\$0
Randolph-Hampton	Dakota	11	162	\$0
Range Regional Airport-ARFF	St. Louis	0	0	\$0
Raymond	Kandiyohi	7	2	\$220,900
Red Lake Falls	Red Lake	6	6	\$133,000
Red Lake Bureau of Indian Affairs	Beltrami	<b>DID NOT REPORT</b>		
Red Wing	Goodhue	34	3,463	\$2,916,000
Redwood Falls	Redwood	9	38	\$42,220
Remer	Cass	7	14	\$200,000
Renville	Renville	7	4	\$1,000
Rice	Benton	19	148	\$85,200
Rice Lake Township	St. Louis	22	200	\$117,800
Richfield	Hennepin	72	4,214	\$164,042
Richmond	Stearns	3	102	\$0
Ridgeway Community	Winona	3	4	\$0
Robbinsdale	Hennepin	39	311	\$299,900

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Rochester Airport	Olmsted	4	25	\$5,000
Rochester	Olmsted	167	10,118	\$1,709,103
Rockford	Wright	15	286	\$330,500
Rockville	Stearns	10	93	\$12,000
Rogers	Hennepin	42	396	\$410,250
Rollingstone	Winona	1	0	\$0
Rose Creek	Mower	1	10	\$0
Roseau	Roseau	18	33	\$145,370
Rosemount	Dakota	21	674	\$1,651,150
Roseville	Ramsey	105	4,682	\$1,128,700
Rothsay	Wilkin	7	65	\$0
Round Lake	Nobles	0	0	\$0
Royalton	Morrison	15	25	\$240,000
Rush City	Chisago	24	42	\$483,000
Rushford	Fillmore	4	42	\$113,500
Rushmore	Nobles	10	35	\$0
Russell	Lyon	10	2	\$0
Ruthton	Pipestone	6	5	\$0
Sabin-Elmwood	Clay	14	57	\$260,000
Sacred Heart	Renville	2	2	\$0
Sanborn	Redwood	6	2	\$0
Sandstone	Pine	13	37	\$42,100
Sartell-Lesauk	Stearns	11	112	\$142,001
Sauk Centre	Stearns	22	64	\$0
Sauk Rapids	Benton	38	131	\$468,400
Savage	Scott	38	339	\$805,750
SBM	Anoka	169	1,326	\$3,023,611
Scandia	Washington	14	202	\$173,000
Scandia Valley	Morrison	6	11	\$39,500
Schroeder	Cook	0	3	\$0
Seaforth	Redwood	1	0	\$0
Sebeka	Wadena	28	139	\$1,517,050
Sedan	Pope	1	2	\$0
Shafer-Franconia	Chisago	2	112	\$0
Shakopee	Scott	73	735	\$316,450
Shelly	Norman	3	2	\$0
Sherburn	Martin	9	8	\$64,755
Shevlin	Clearwater	15	10	\$119,000

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Silica Area	St. Louis	0	0	\$0
Silver Bay	Lake	8	54	\$186,500
Silver Lake	McLeod	9	132	\$73,000
Slayton	Murray	8	8	\$103,200
Sleepy Eye	Brown	11	12	\$299,750
Solway	Beltrami	7	6	\$186,200
Solway Township	St. Louis	22	91	\$0
South Bend	Blue Earth	13	28	\$12,500
South Haven	Wright	5	110	\$2
South Metro	Dakota	101	6,038	\$268,072
Spicer	Kandiyohi	12	33	\$95,000
Spring Grove	Houston	12	4	\$111,300
Spring Valley	Fillmore	15	26	\$657,000
Springfield	Brown	7	15	\$85,000
Squaw Lake	Itasca	7	50	\$0
St. Anthony	Hennepin	17	1,604	\$184,797
St. Augusta	Stearns	13	84	\$404,000
St. Bonifacius	Hennepin	10	145	\$600
St. Charles	Winona	14	36	\$0
St. Clair	Blue Earth	9	115	\$116,100
St. Cloud	Stearns	206	5,945	\$1,857,789
St. Francis	Anoka	29	264	\$109,898
St. Hillaire	Pennington	9	35	\$78,000
St. James	Watonwan	16	39	\$66,900
St. John's University	Stearns	4	290	\$350
St. Joseph	Stearns	23	391	\$230,100
St. Leo	Yellow Medicine	1	0	\$26,000
St. Louis Park	Hennepin	138	5,111	\$612,634
St. Martin	Stearns	9	26	\$450,000
St. Michael	Wright	27	347	\$475,100
St. Paul	Ramsey	1,372	18,483	\$8,206,423
St. Paul Park	Washington	23	79	\$116,750
St. Peter	Nicollet	29	51	\$153,000
St. Stephen	Stearns	6	105	\$17,700
Stacy	Chisago	26	48	\$153,500
Staples	Todd	16	51	\$462,200
Starbuck	Pope	12	25	\$224,500
Stephen	Marshall	5	9	\$150,100

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Stewart	McLeod	11	63	\$2,500
Stewartville	Olmsted	37	452	\$1,665,050
Stillwater	Washington	62	1,851	\$712,900
Storden	Cottonwood	4	0	\$83,900
Sturgeon Lake	Pine	5	25	\$40,000
Sunburg	Kandiyohi	8	3	\$40,000
Swanville	Morrison	2	0	\$8,000
Taconite	Itasca	2	48	\$2,100
Taunton	Lyon	3	1	\$0
Taylor's Falls	Chisago	8	28	\$1,000
Thief River Falls	Pennington	33	159	\$136,600
Thomson Township-Esko	Carlton	14	249	\$12,100
Tintah	Traverse	4	5	\$15,900
Tofte	Cook	4	26	\$0
Toivola Township	St. Louis	5	7	\$0
Tower	St. Louis	12	35	\$125,001
Tracy	Lyon	15	48	\$70,500
Trimont	Martin	6	5	\$0
Trout Lake	Itasca	15	235	\$38,000
Truman	Martin	9	8	\$1,060,200
Twin Lakes	Freeborn	1	1	\$0
Twin Lakes Volunteer	Mahnomen	15	8	\$530,500
Twin Valley	Norman	4	95	\$47,000
Two Harbors	Lake	17	95	\$240,400
Tyler	Lincoln	9	8	\$0
Ulen	Clay	5	2	\$1,000
Underwood	Ottertail	15	90	\$0
Upsala	Morrison	7	8	\$153,600
U.S.S. Emergency Services	St. Louis	14	106	\$246,600
Vadnais Heights	Ramsey	46	1,135	\$5,000
Vergas	Ottertail	16	15	\$175,000
Vermillion Lake	St. Louis	5	30	\$110,000
Verndale	Wadena	10	89	\$0
Vernon Center	Blue Earth	6	20	\$21,000
Vesta	Redwood	2	5	\$0
Victoria	Carver	17	242	\$145,590
Viking	Marshall	3	1	\$0
Villard	Pope	6	3	\$69,600

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Vining	Ottertail	6	1	\$0
Virginia	St. Louis	43	4,214	\$377,502
Wabasha	Wabasha	5	57	\$0
Wabasso	Redwood	6	6	\$233,020
Waconia	Carver	26	420	\$171,000
Wadena	Wadena	26	39	\$178,000
Waite Park	Stearns	41	131	\$0
Waldorf	Waseca	2	14	\$57,500
Walker	Cass	21	26	\$72,500
Walnut Grove	Redwood	8	4	\$22,500
Walters	Faribault	4	0	\$39,400
Wanamingo	Goodhue	12	0	\$270,000
Wanda	Redwood	2	2	\$0
Warba-Feeley-Sago	Itasca	4	61	\$0
Warren	Marshall	16	22	\$57,000
Warroad	Roseau	20	24	\$15,500
Waseca	Waseca	38	674	\$332,500
Watertown	Carver	28	265	\$632,900
Waterville	Lesueur	3	138	\$0
Watkins	Meeker	10	9	\$131,000
Watson	Chippewa	2	0	\$5,000
Waubun	Mahnomen	11	19	\$43,200
Waverly	Wright	13	138	\$31,400
Wayzata	Hennepin	33	268	\$333,900
Welcome	Martin	8	0	\$55,000
Wells	Faribault	7	27	\$421,500
Wendell	Grant	7	18	\$56,500
West Concord	Dodge	5	20	\$10,000
West Metro	Hennepin	108	1,814	\$520,717
Westbrook	Cottonwood	9	5	\$99,000
Wheaton	Traverse	12	2	\$275,000
White Bear Lake	Ramsey	58	502	\$2,026,005
White Earth	Becker	<b>DID NOT REPORT</b>		
Williams	Lake Of The Woods	4	1	\$0
Willmar	Kandiyohi	61	244	\$496,625
Willow River	Pine	13	135	\$0
Wilmont	Nobles	3	22	\$663,000
Wilson Township	Winona	8	2	\$84,000

## FIRE DEPARTMENTS REPORTING IN 2017

Department	County	Fires	Non-Fires	Dollar Loss
Windom	Cottonwood	18	44	0
Winger	Polk	4	0	30,500
Winnebago	Faribault	11	21	27,750
Winona	Winona	48	2,263	675,900
Winsted	McLeod	16	249	5,500
Winthrop	Sibley	12	19	274,000
Wolf Lake	Becker	15	18	6,000
Wolverton	Wilkin	0	0	\$0
Wood Lake	Yellow Medicine	4	4	484,500
Woodbury	Washington	59	4,723	3,003,488
Woodstock	Pipestone	6	1	15,000
Worthington	Nobles	26	50	118,800
Wrenshall	Carlton	1	9	110,000
Wykoff	Fillmore	6	8	440,000
Wyoming	Chisago	28	254	282,500
Zimmerman-Livonia	Sherburne	46	155	818,743
Zumbro Falls	Wabasha	11	109	715,500
Zumbrota	Goodhue	17	23	192,650
<b>Total</b>		<b>16,187</b>	<b>287,976</b>	<b>\$223,949,787</b>

**Thank you**  
**to the Minnesota fire departments that**  
**provided data in 2017 and to those who**  
**provided photos for this report.**





Minnesota Department of Public Safety  
State Fire Marshal Division  
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