

# 2017 FIRE IN MINNESOTA

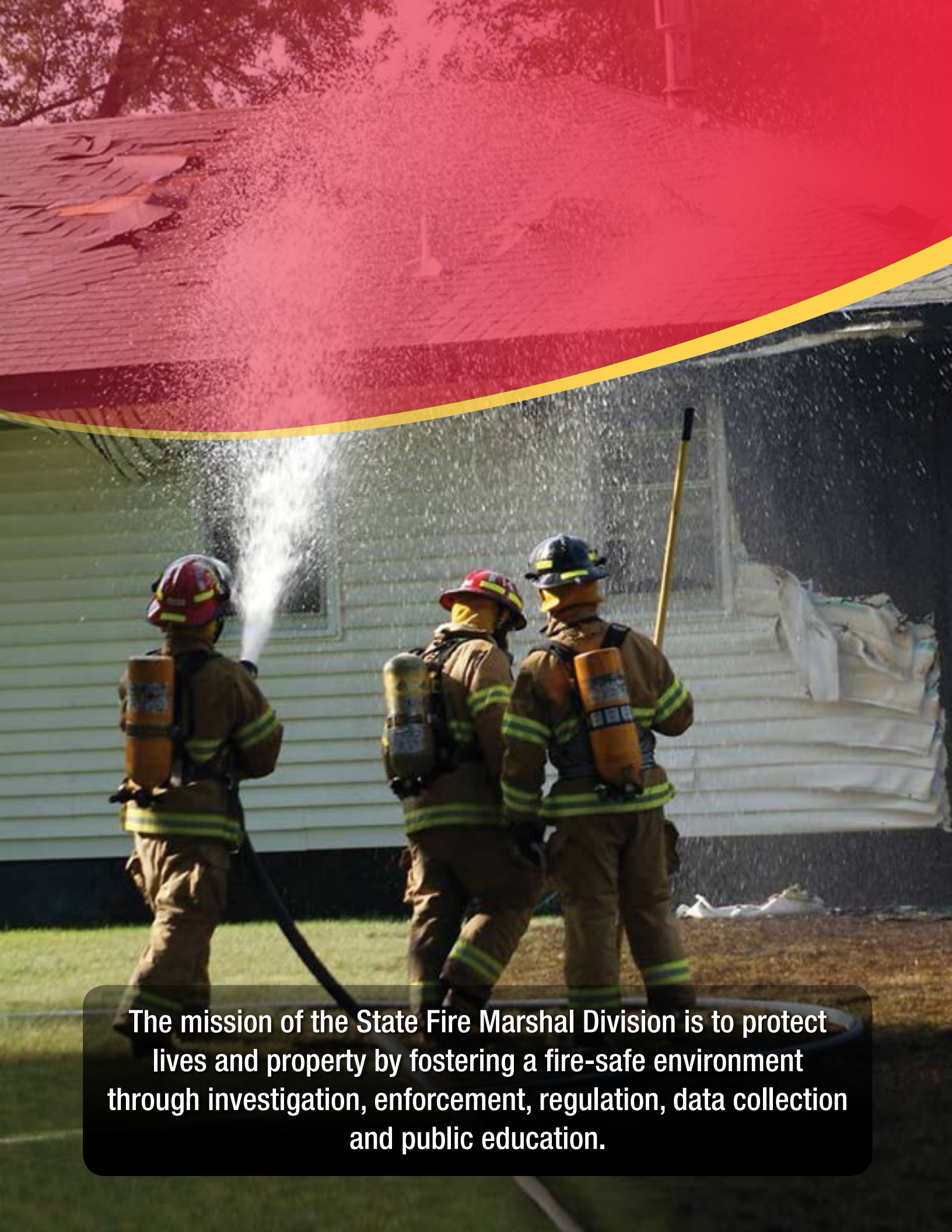
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**STATE FIRE MARSHAL**

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, reading "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



A photograph of two firefighters in full protective gear, including helmets and air tanks, fighting a large fire in a building. The firefighter on the left is wearing a jacket with "BEASLEY" on the back. The firefighter on the right is wearing a jacket with "D. WALLICK" on the back. They are holding a hose that extends into the burning structure. The fire is intense, with bright orange and yellow flames and thick black smoke rising from the building. A large red curved graphic element is at the top of the image.

# TOTAL IMPACT

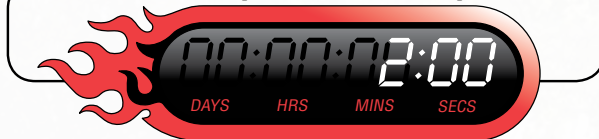


# MINNESOTA FIRE CLOCK

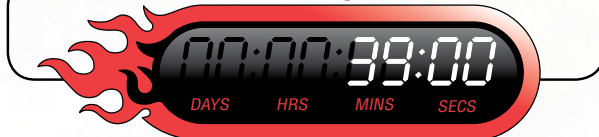
## Frequency of Responses as Reported 2017

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

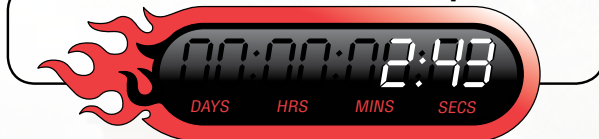
### One Fire Department Response



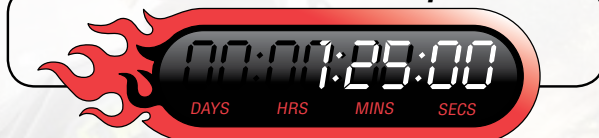
### One Fire Reported



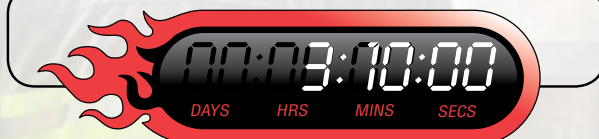
### One EMS/Rescue Run Reported



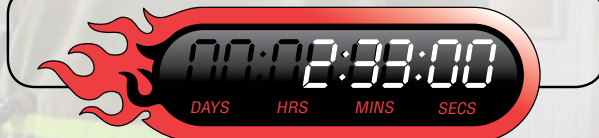
### One Structure Fire Reported



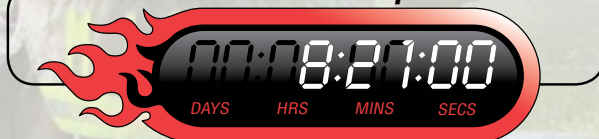
### One Rural Structure Fire



### 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).

| 2017 REPORTED FIRE DEPARTMENT RESPONSES  |                         |               |                      |               |                      |
|--|-------------------------|---------------|----------------------|---------------|----------------------|
| 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<br>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<br/>(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.

| STRUCTURE FIRES BY PROPERTY TYPE |              |              |              |              |              |                    |
|----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------------|
| 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>          |

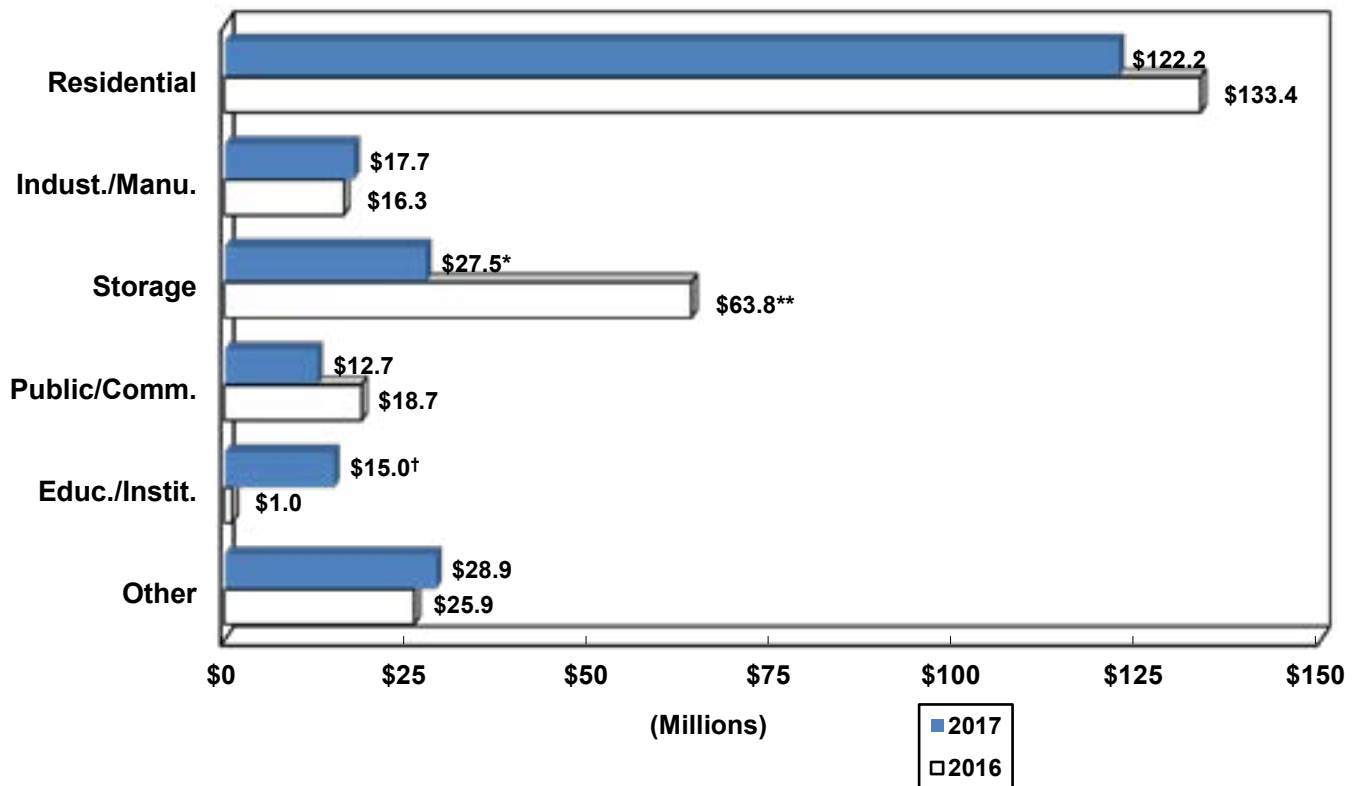
| 2017 RESIDENTIAL STRUCTURE FIRES |                 |                      |                   |                 |
|----------------------------------|-----------------|----------------------|-------------------|-----------------|
| Type of Residence                | Number of Fires | Dollar Loss          | 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.

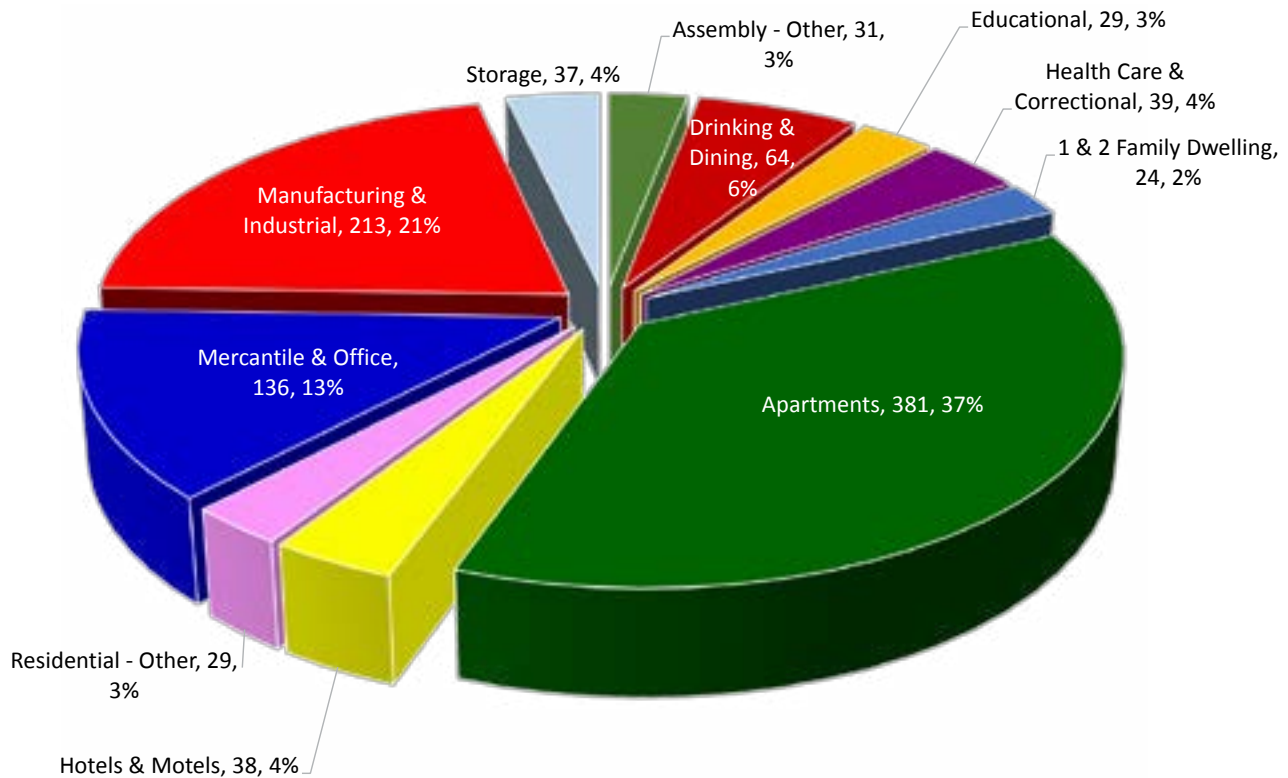


## Sprinkler Saves

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.

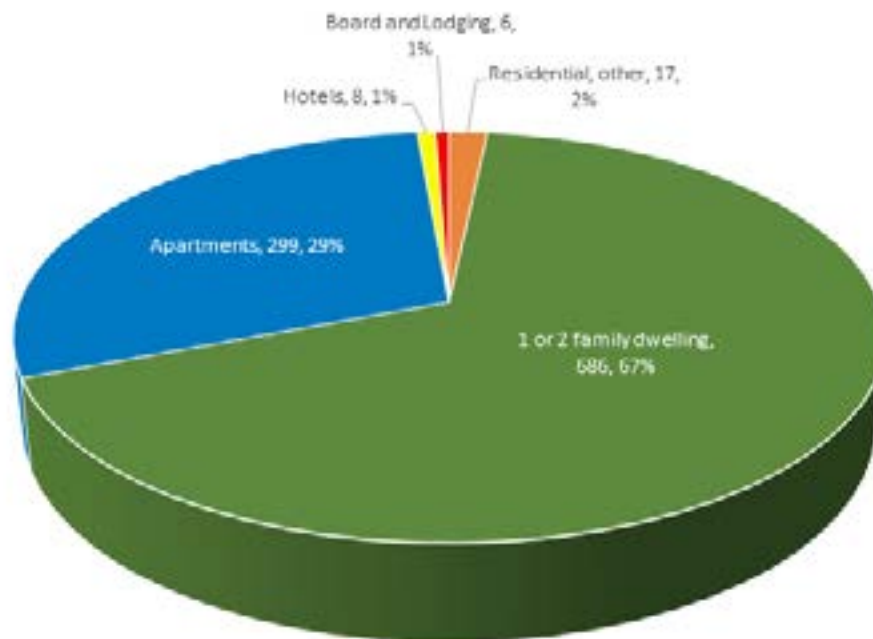
The following chart shows where the 1,021 sprinkler saves have occurred from 2004-2017. Sprinkler systems have been around since the late -1800's; they were originally developed to protect manufacturing and industrial occupancies. The most common occupancy for sprinkler saves in Minnesota is apartment 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**

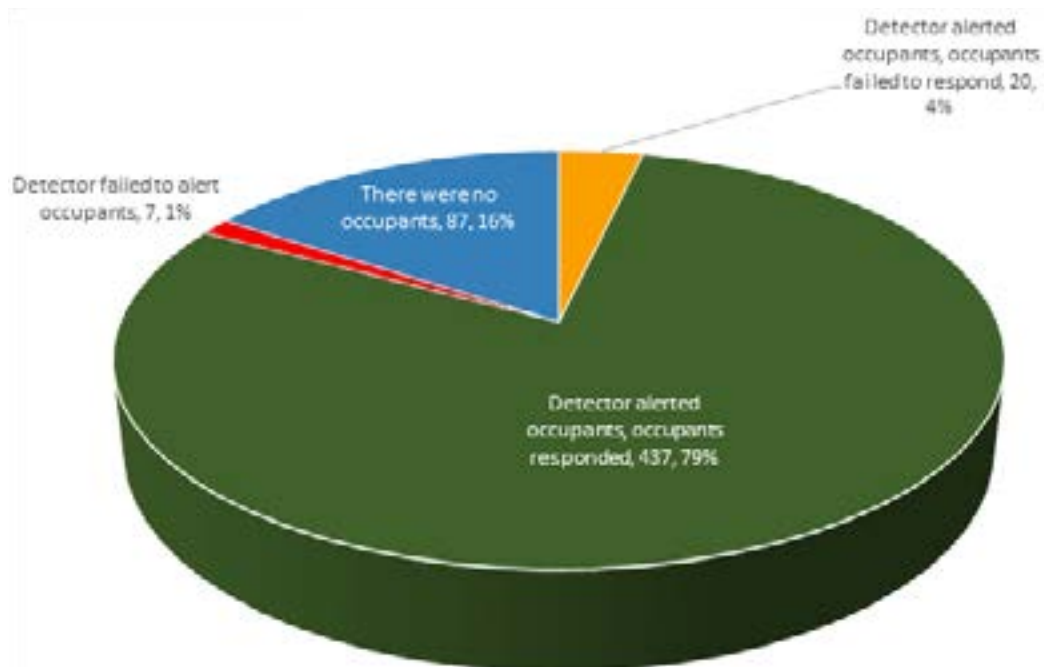


Smoke alarms are highly effective at alerting people of dangerous fire conditions, especially in residential occupancies where people sleep. In a high percentage of the residential fires, the smoke alarms activated and alerted the occupants (79 percent). Of concern, however, are the 27 residential fires 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

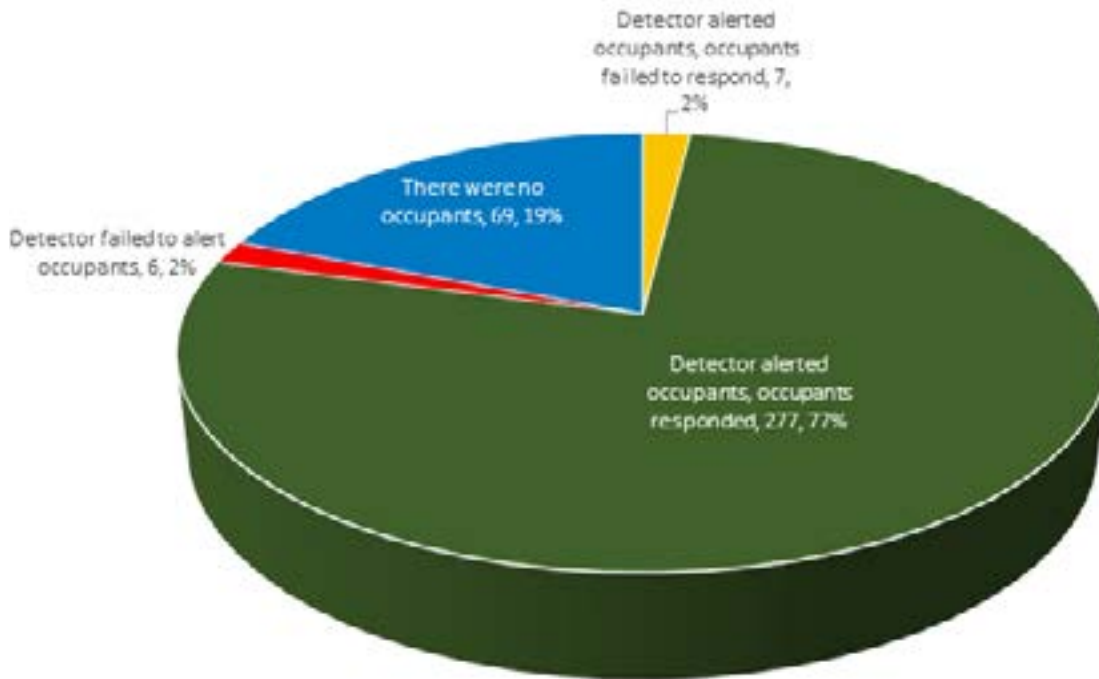


## SMOKE ALARM EFFECTIVENESS — 2017





## 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 of two firefighters in full protective gear, including helmets and oxygen tanks, using a hose to extinguish a large fire on the side of a dark-colored car. The fire is intense, with bright orange and yellow flames rising from the vehicle. The scene is set outdoors on a paved surface. A large red curved shape is in the top left corner, and the word "CAUSES" is overlaid in the center.

**CAUSES**

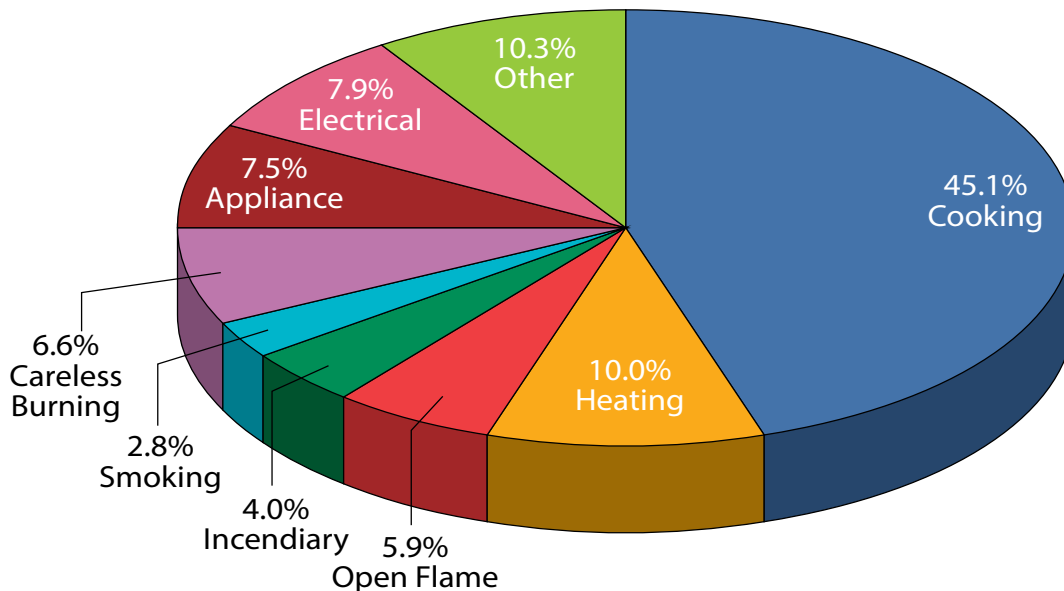


As in past years, cooking continues to be the top known cause of fires, with heating and electrical as the second- and third-leading causes.

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

## EDUCATIONAL

|            | Number of Incidents | Firefighter Injuries | Civilian Injuries | Firefighter Deaths | Civilian Deaths | Dollar Loss  |
|------------|---------------------|----------------------|-------------------|--------------------|-----------------|--------------|
|            | 57                  | 0                    | 0                 | 0                  | 0               | \$14,468,040 |
| % OF TOTAL | 1%*                 | 0%                   | 0%                | 0%                 | 0%              | 6%           |

\* Percent of Structure Fires

## PUBLIC ASSEMBLY

|            | Number of Incidents | Firefighter Injuries | Civilian Injuries | Firefighter Deaths | Civilian Deaths | Dollar Loss |
|------------|---------------------|----------------------|-------------------|--------------------|-----------------|-------------|
|            | 162                 | 3                    | 1                 | 0                  | 0               | \$2,111,626 |
| % OF TOTAL | 3%                  | 1%                   | 1%                | 0%                 | 0%              | 1%          |

\* Percent of Structure Fires

## STORE AND OFFICE

|            | Number of Incidents | Firefighter Injuries | Civilian Injuries | Firefighter Deaths | Civilian Deaths | Dollar Loss  |
|------------|---------------------|----------------------|-------------------|--------------------|-----------------|--------------|
|            | 193                 | 1                    | 3                 | 0                  | 0               | \$10,621,817 |
| % OF TOTAL | 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.





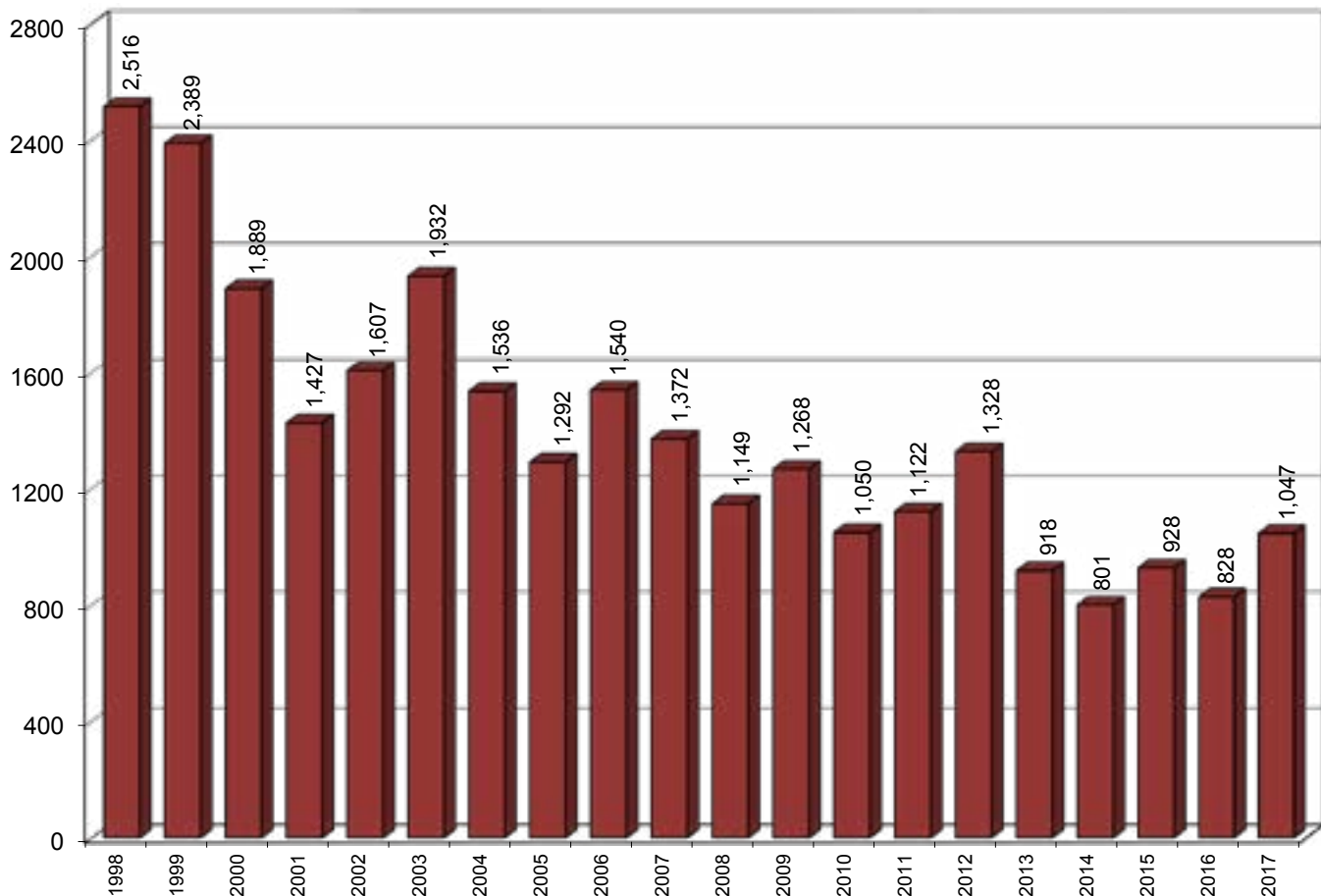
# INCENDIARY FIRES



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.

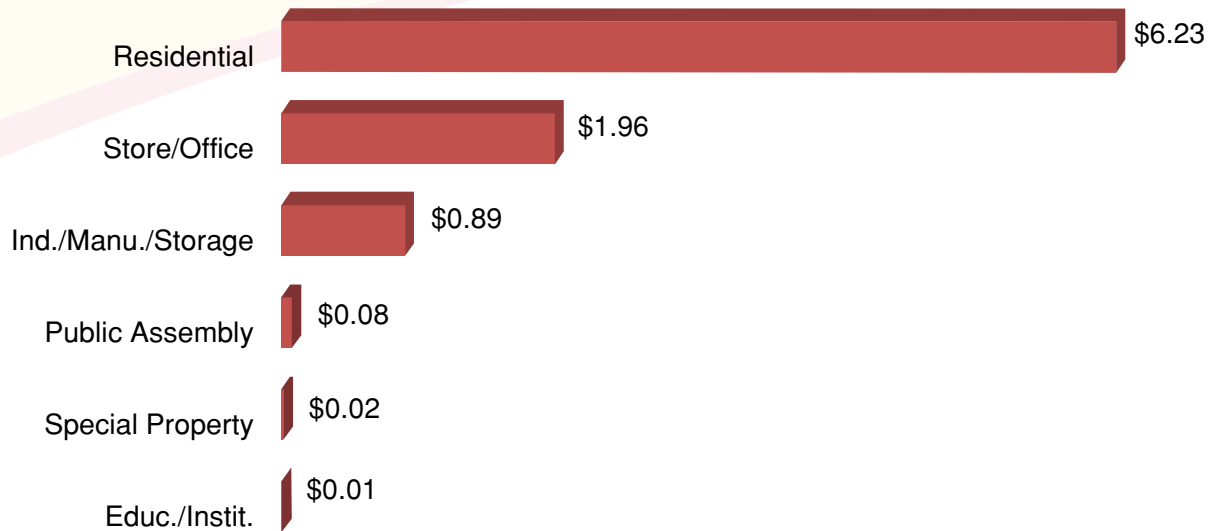
## INCENDIARY FIRES IN MINNESOTA



## 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)

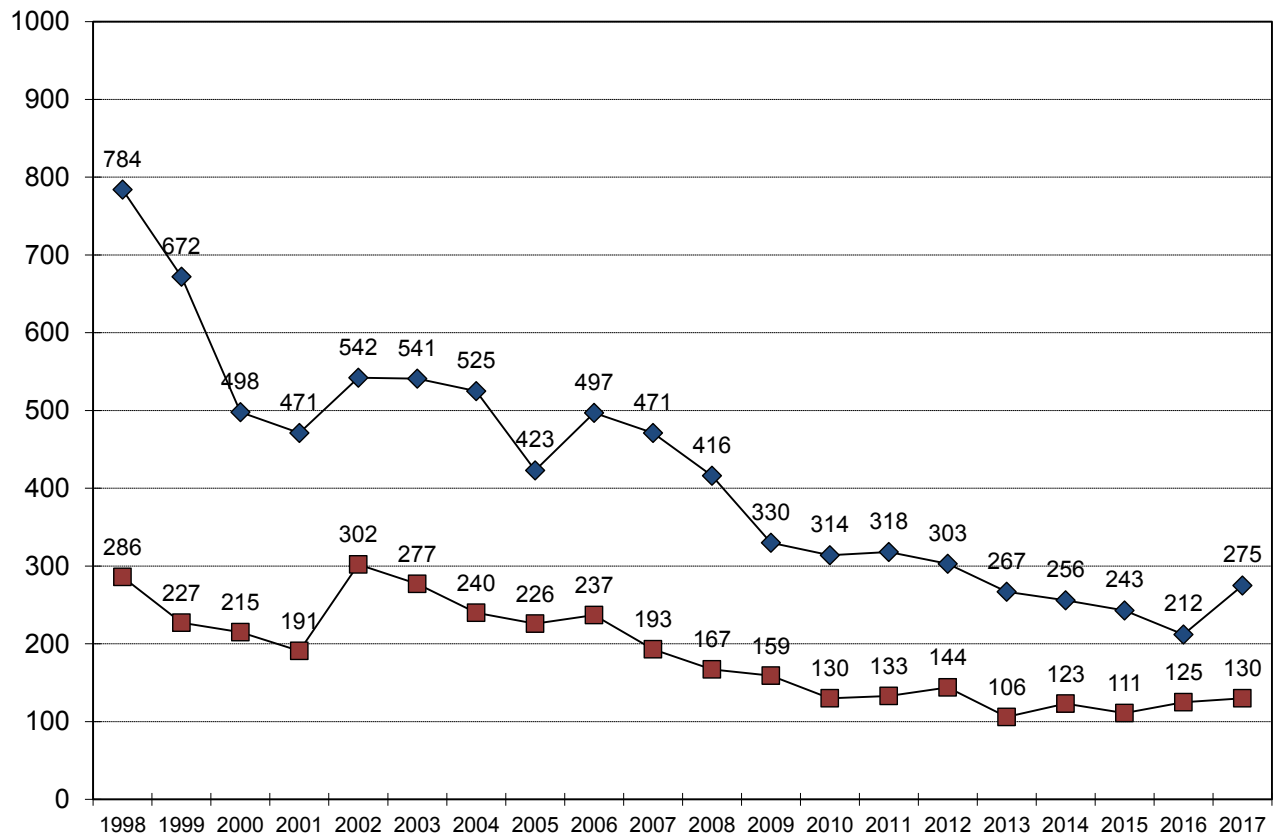


In 2017, “Incendiary” was listed as the cause of 5 percent of all reported structure fires with known causes and 5 percent of all reported vehicle fires in Minnesota.

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.

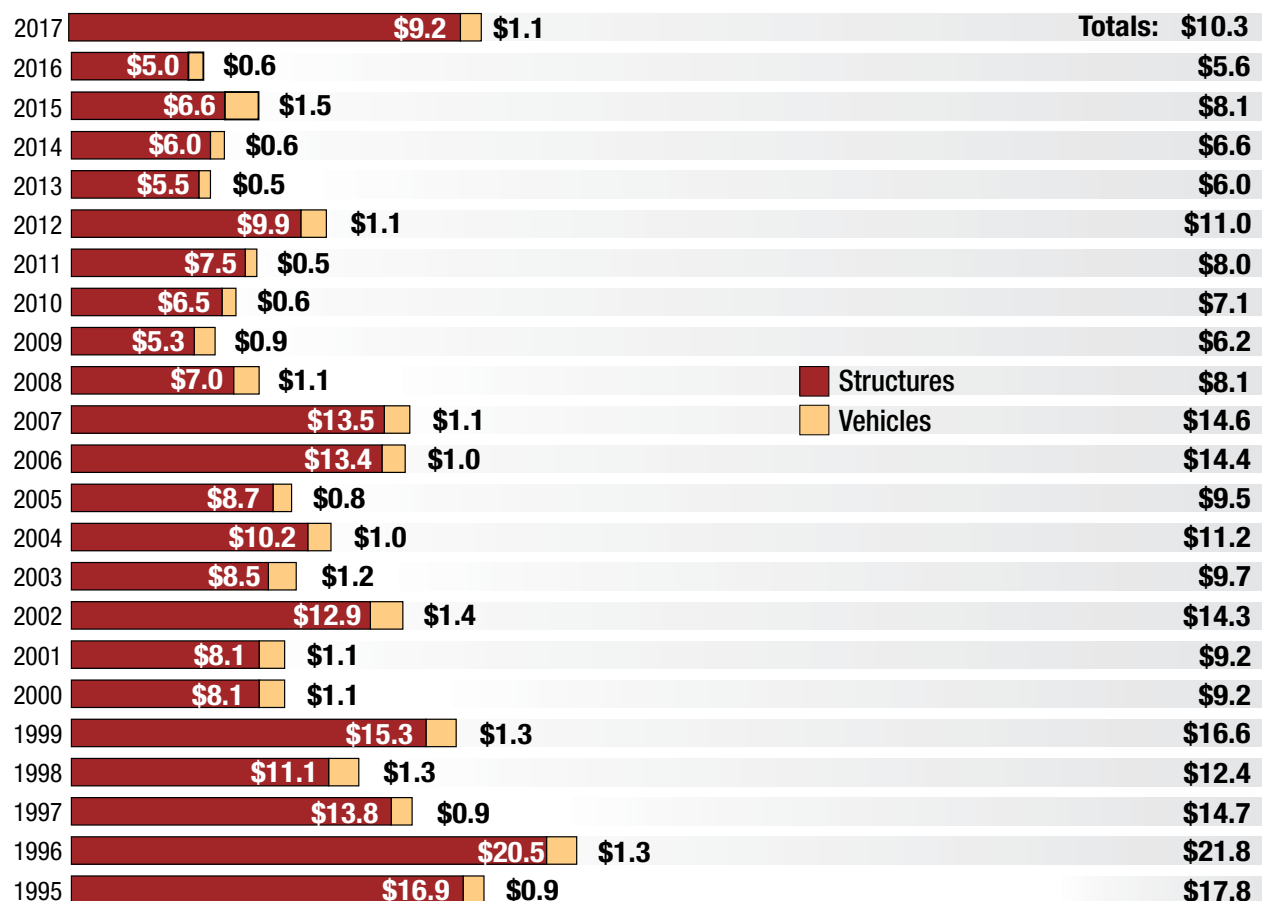
Fire investigators agree that incendiary vehicle fires are under-reported and may not receive as much attention as structure fires receive.

## INCENDIARY STRUCTURE AND VEHICLE FIRES





## INCENDIARY FIRE DAMAGE IN MINNESOTA (in millions)



## 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.

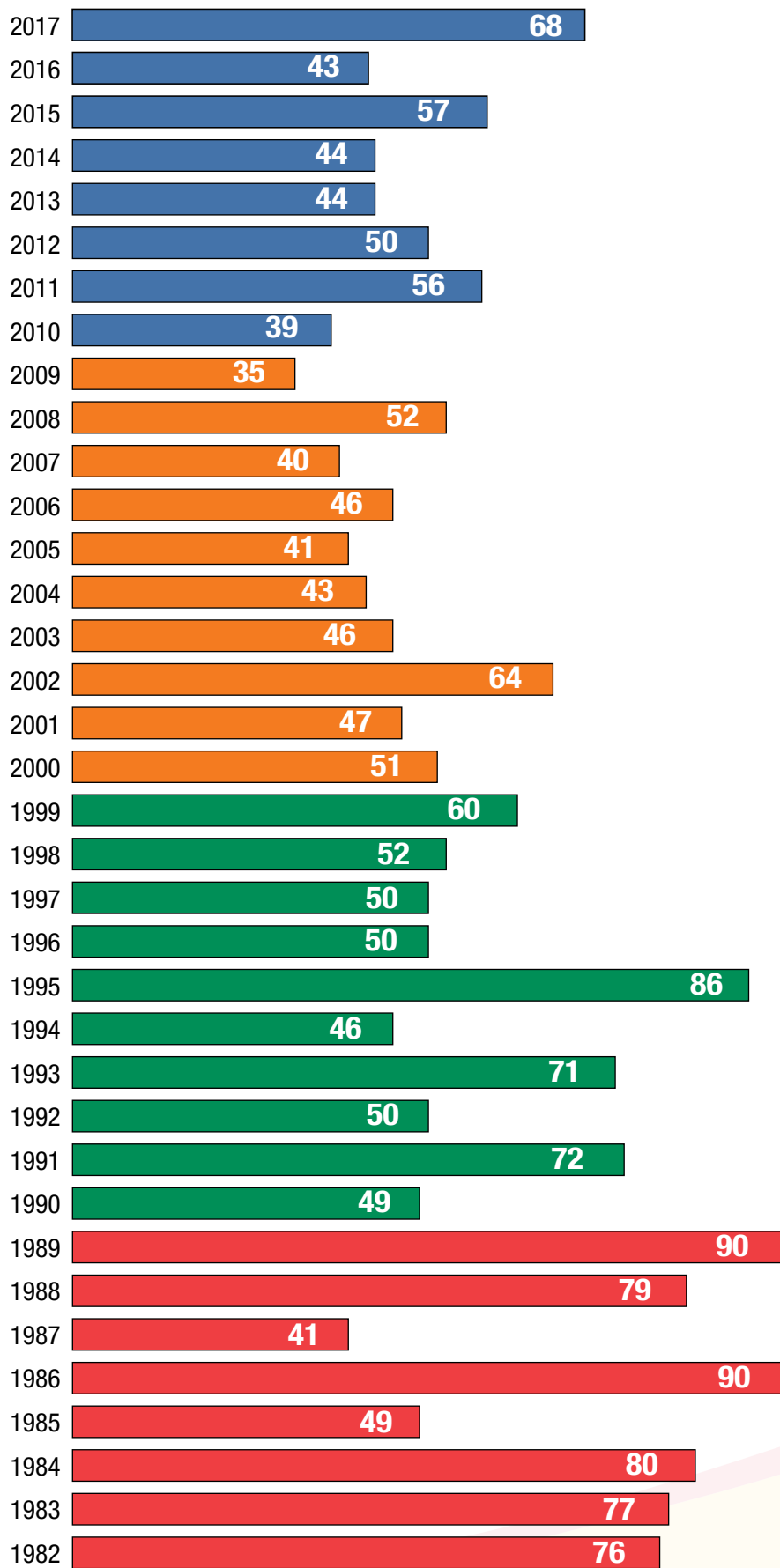
Rewards are as follows:

- 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.

# CASUALTIES



## 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>       |

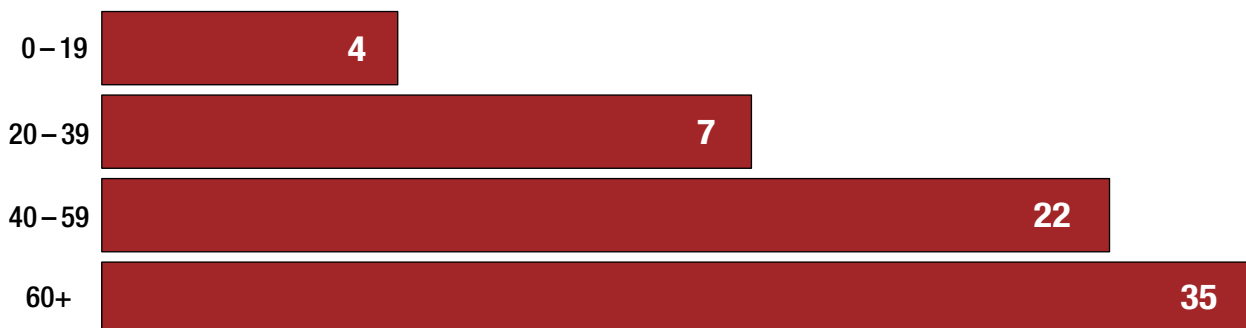
## Seventeen Deaths in Homes with Working Smoke Alarms: Why Didn't They Get Out?

- 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

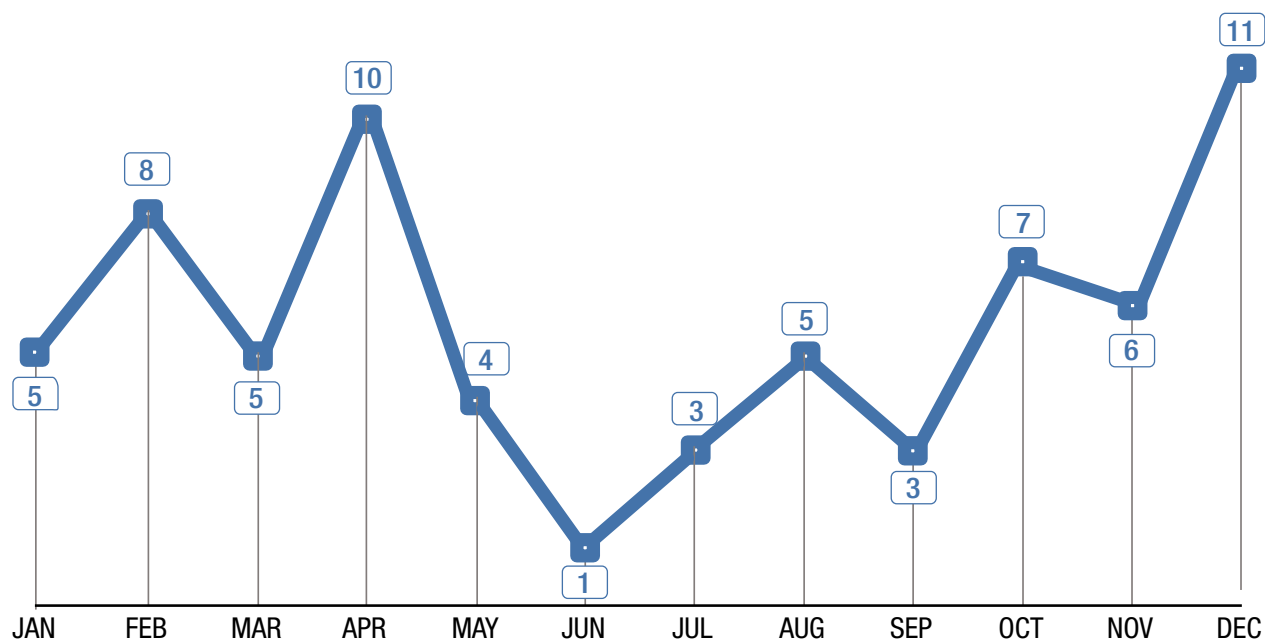
The number of people killed in fires in 2017 who were age 60 or older increased by 118 percent. The number of people ages 40-59 killed in fires also jumped. That increase was 57 percent. Thirty-five percent of fire deaths in 2017 occurred between the hours of midnight and 6 a.m. Thirty-five percent of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

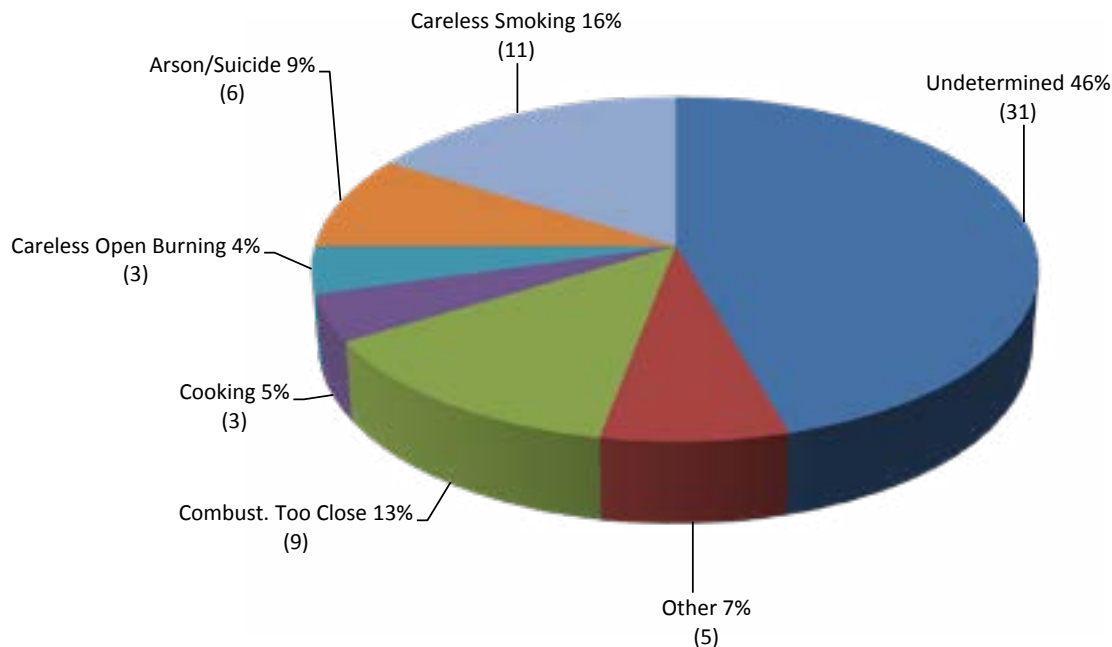
Eighty-four percent of all 2017 fire deaths occurred where people generally feel safest – in their homes.

## 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  |

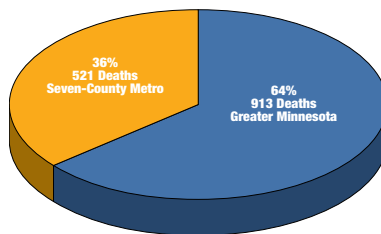


## 2017 FIRE DEATHS

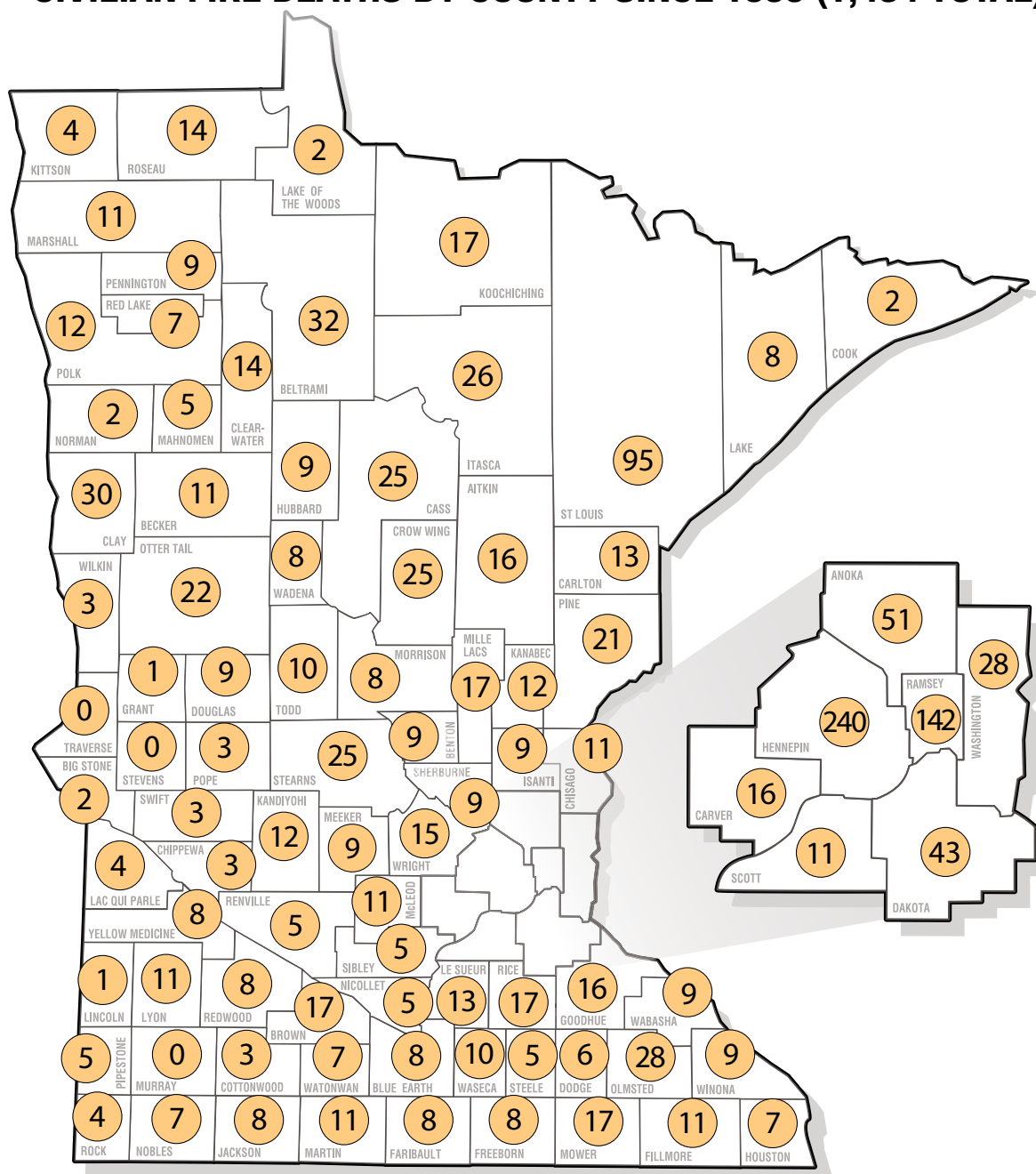
| Date       | City/Town         | Structure     | Cause                 | Age |
|------------|-------------------|---------------|-----------------------|-----|
| 9/28/2017  | Minneapolis       | Single Family | Arson                 | 36  |
| 10/6/2017  | Minneapolis       | Apartment     | Arson                 | 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

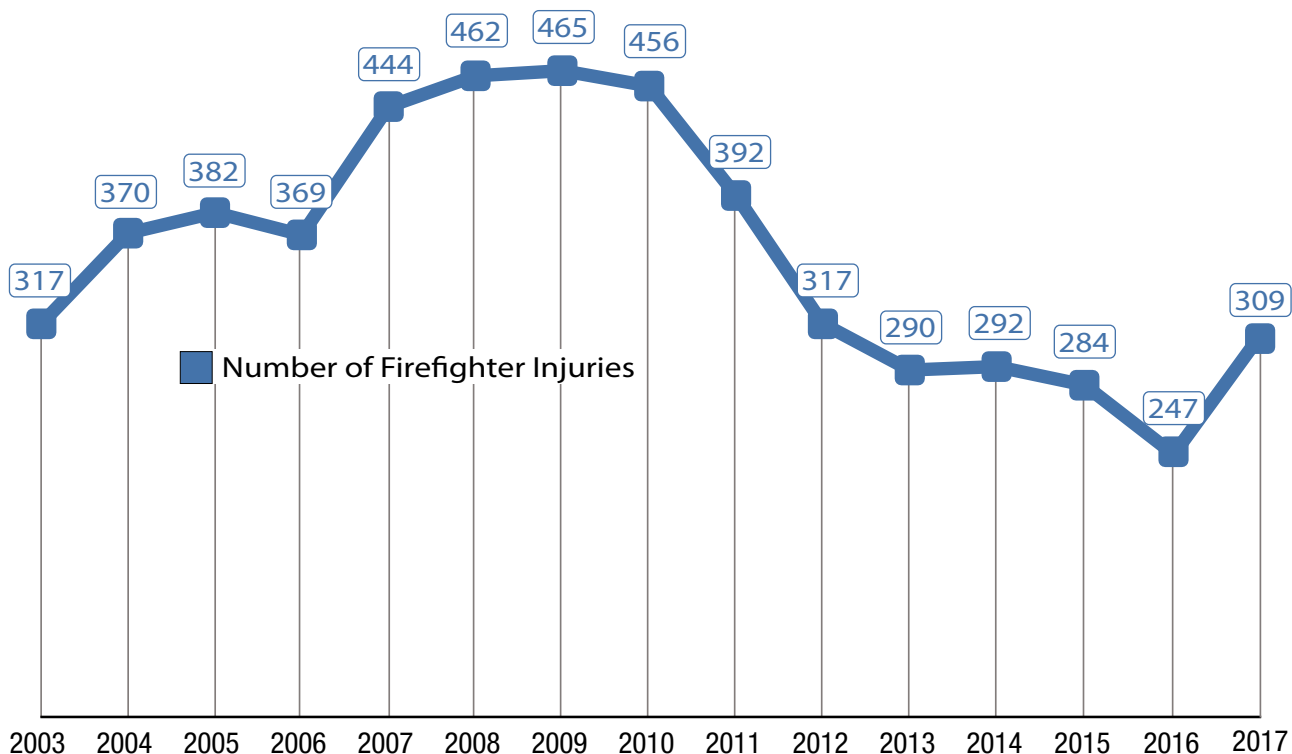
| Year | Name Of Firefighter | City        |
|------|---------------------|-------------|
| 1996 | Melvin Windschitl   | Chanhassen  |
| 1997 | Harvey Chlian       | Starbuck    |
| 1997 | Leroy Swanson       | Minneapolis |
| 1998 | Michael Wiborg      | Chanhassen  |
| 1999 | Marvin Huisman      | 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       |



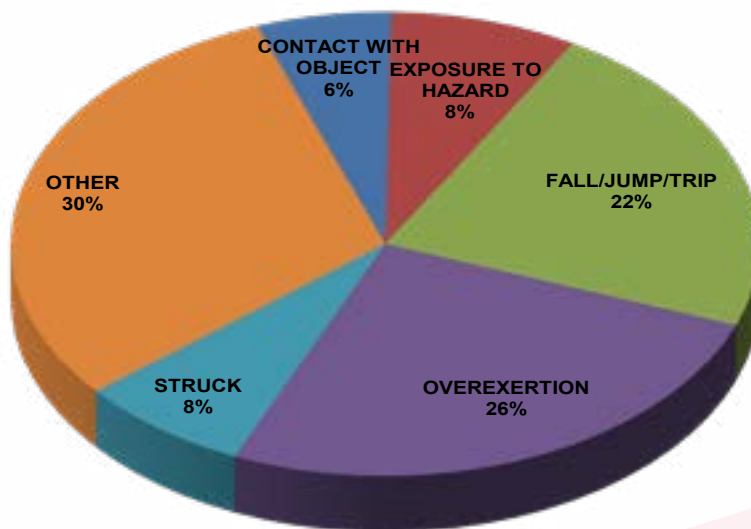
## Firefighter Injuries

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 No. %     | 2009 No. %     | 2010 No. %     | 2011 No. %     | 2012 No. %     | 2013 No. %     | 2014 No. %     | 2015 No. %     | 2016 No. %     | 2017 No. %     | Total 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>66 100%</b> | <b>57 100%</b> | <b>87 100%</b> | <b>85 100%</b> | <b>57 100%</b> | <b>60 100%</b> | <b>71 100%</b> | <b>89 100%</b> | <b>77 100%</b> | <b>86 100%</b> | <b>730 100%</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       | Watsonwan       | 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        | DID NOT REPORT |           |             |
| 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         |
| Taylors 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            | DID NOT REPORT |           |             |
| 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.**





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State Fire Marshal Division  
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