

# 2019 Fire in Washington

Prepared by the Washington State Fire Marshal's Office





Washington State Patrol

# STATE FIRE MARSHAL'S OFFICE

*Serving Washington Since 1901*

Letter from the Chief of the Washington State Patrol.....	1
Letter from the State Fire Marshal.....	2
Preface.....	3
Participation.....	4
Washington Fire Clock.....	5
Incident Overview.....	6
Fire History.....	7
Fires by Heat Source.....	9
Area of Origin.....	10
Fires at Residential Properties.....	11
Automatic Extinguishing Systems.....	12
Cause of Ignition and Intentionally Set Fires by Property Use.....	13
Incidents Based on Population.....	15
Fire Fatalities.....	16
Fire Fatality Causes.....	17
Fire Fatalities by Month and County Over the Past Five Years.....	20
Regional Reports	
Region 1.....	22
Region 2.....	30
Region 3.....	38
Region 4.....	47
Region 5.....	56
Region 6.....	65
Region 7.....	74
Region 8.....	81
Region 9.....	91
Fireworks Report.....	100

## FROM THE CHIEF

Dear Fire Service Partners and Advocates:

The 2019 Fire in Washington Report captures the emergency response experience of the Washington State Fire Service for the year of 2019. This report was generated by the State Fire Marshal's Office (SFMO) from data reported by fire departments to the National Fire Incident Reporting System (NFIRS).

Fire agencies participating in the NFIRS program provide valuable data that is used at the local, state, and national levels. This data is critical to the identification of trends, which leads to the development of effective and targeted fire prevention programs and suppression strategies.

The NFIRS program demonstrates the leadership of the Washington Fire Chiefs, Washington Fire Commissioners, and every member of our state's fire service. Together, we are making Washington a safer place to live, work, and play.

Sincerely,

**JOHN R. BATISTE**  
Washington State Patrol Chief



## FROM THE STATE FIRE MARSHAL

Dear Fire Service Partners:

The 2019 *Fire in Washington* report illustrates the emergency response information reported by 67% of fire agencies from across the state with an emphasis on fire incidents. Information contained in this year's annual report details:

- Fires claimed the lives of 54 people.
- Fires resulted in excess of \$217 million of property and content loss.
- More than 23,400 fire incidents.
- Over 821,105 total incidents.
- More than 589,000 rescue and emergency medical service incidents.
- 269 injuries related to the use of fireworks.

The fire service provides critical fire and life safety services to the citizens of Washington State. Tracking the array of emergencies that occur in our communities is an essential part of implementing and sustaining the programs and services that are needed to safeguard life and property. The National Fire Incident Reporting System (NFIRS) enables fire agencies to record each emergency incident and document the actions taken to mitigate the situation.

Today, leaders at the local, state, and national levels are armed with timely, accurate, and useful NFIRS information to help guide the decision-making process. The Washington State Fire Marshal's Office and the Washington Fire Chiefs continue to strongly encourage monthly reporting, so that we can respond to inquiries about incident activity. We are pleased with the progress and commitment demonstrated by so many agencies across our great state.

Sincerely,

**Charles P. LeBlanc**  
Washington State Fire Marshal



## **Preface**

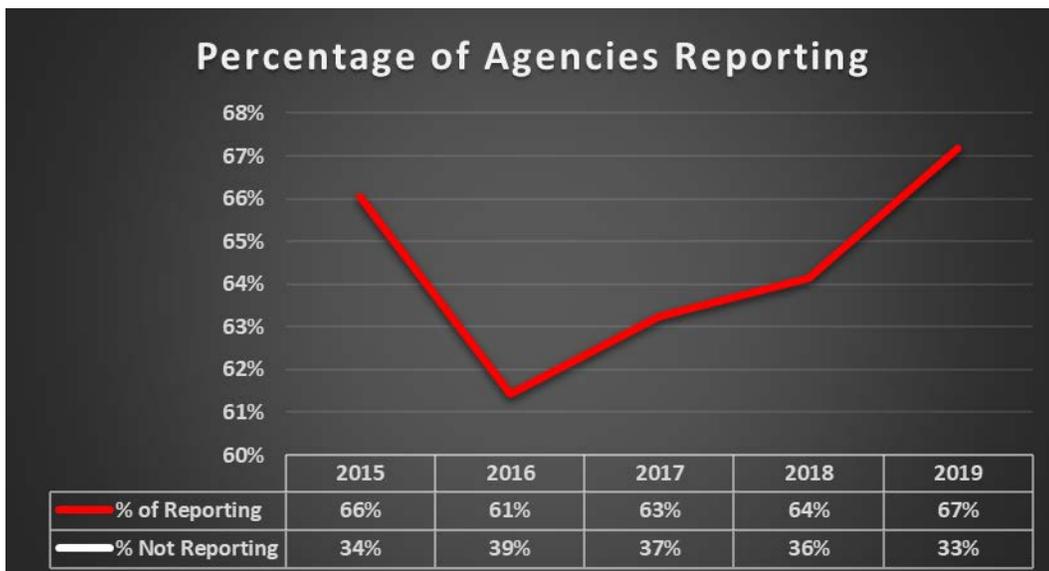
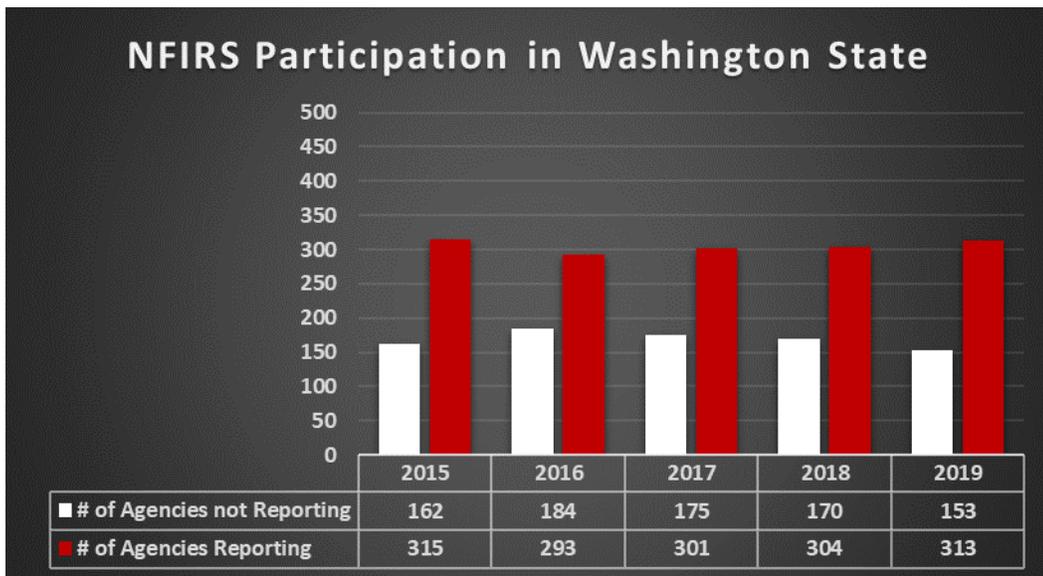
Revised Code of Washington 43.44.060 requires fire incidents to be reported to the Washington State Fire Marshal's Office (SFMO) in accordance with the National Fire Incident Reporting System (NFIRS). NFIRS is an all-incident reporting system that captures the full range of incident activity. Many agencies document and report all incidents, while some agencies only report fires as required by statute.

This report provides an overview of all incident categories reported, with fire information in 2019, as the primary focus. The statistical reports are generated from the United States Fire Administration (USFA) website based on NFIRS 5.0 data reported from the Washington State Fire Service. Where necessary, information from secondary sources is used to provide more in-depth analysis and clarity. Figures presented may vary slightly based on the day the summary report was generated. Any data submitted after the summary reports were generated are not reflected in this publication.

## Participation

RCW 43.44.060 states that fire agencies are required to submit fire incidents to the SFMO in accordance with NFIRS. The SFMO maintains the statewide NFIRS database, which is capable of accepting any incident documented in accordance with the NFIRS 5.0 format. This program is an all-incident reporting system that enables every fire agency to document incidents electronically in a uniform format. In Washington, some agencies report only fires, while the majority of the agencies report all incident activity.

The chart below provides the number of agencies that submitted data for inclusion in the published *Fire in Washington* (FIW) annual reports since 2014. 2018 through 2019 numbers were collected and managed within the Washington State Fire Marshal’s Office. 2014 through 2017 data was compiled from archived data from the federal database. In 2019, participation resulted in 313 out of 466 fire agencies providing information. *\*Change in participation numbers for 2015 - 2018 compared to 2018 FIW Report is due to agencies submitting past data in 2019.\**



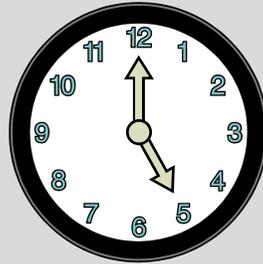
# Washington Fire Clock



**ONE FIRE DEPARTMENT  
RESPONSE  
EVERY 38 SECONDS**

**One Fire Reported in Washington  
Every 22 minutes**

**One Structure Fire Reported in  
Washington Every  
1.25 Hours**



**One EMS/Rescue Incident Reported  
Every 53 Seconds**

**One Intentionally Set Fire Reported  
Every 3.3 Hours**

## **Dollar Loss**

- **\$24,828 loss per hour**
- **\$595,869 loss per day**
- **\$414 loss per minute**
- **\$7 loss per second**



## Incident Overview

In Washington State, fire agencies are only required to report fire incidents to the SFMO. Since NFIRS has been expanded to capture the full range of emergency incident response types, many fire agencies document and report every incident. This summary is an overview of all the incidents reported, but is not all-encompassing of the total incident experience. Emphasis in this *Fire in Washington* annual report is on fire incidents.

In 2019, fire agencies in Washington State reported over 821,000 incidents to NFIRS. More than 23,400 fire incidents were reported, incidents that resulted in 54 fire fatalities, and caused an estimated \$220 million in property and content loss. Dollar loss estimates are calculated by fire service personnel, and are not reflective of insurance settlements or actual total loss. Fire agencies are encouraged to be as accurate as possible when documenting dollar loss because the figures are intended to provide insight into the financial impact fire has on our communities.

Rescue and emergency medical service was the leading incident type category reported, representing nearly 72% of the total. This figure is based only on NFIRS data. There were almost 49,000 false alarms and false calls reported in 2019. This category included all malicious or mischievous false alarms, as well as fire protection system malfunctions and unintentional false fire protection activations.

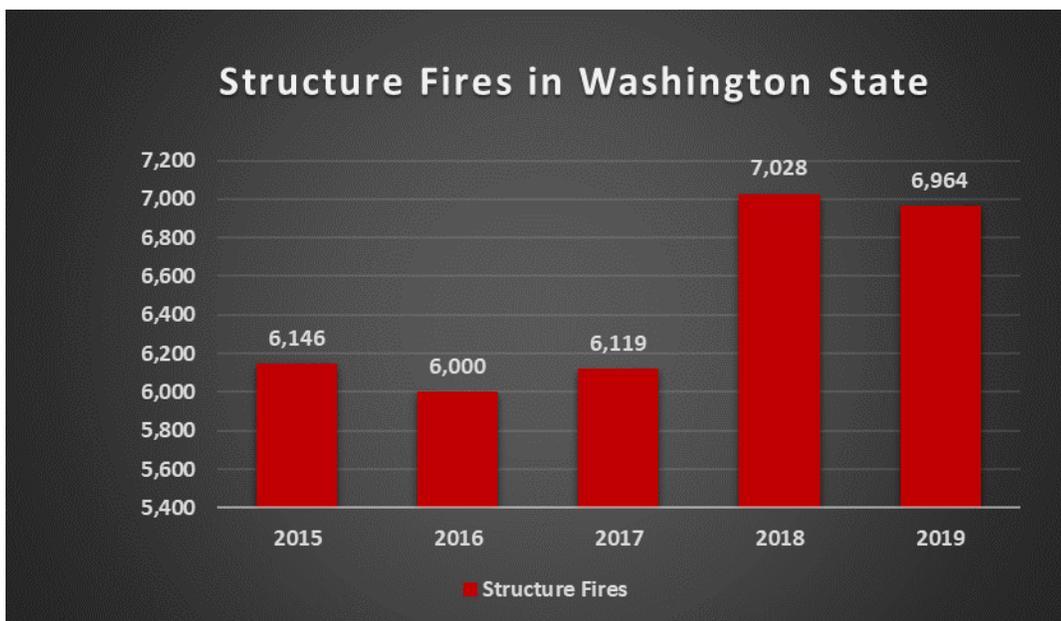
2019 Incident Type Category Summary	Total # of Incidents	% of Total Incidents	Total Property & Content Loss	% of Total Loss
<b>Fire</b>	<b>23,493</b>	<b>2.86%</b>	<b>\$ 217,492,315</b>	<b>5.79%</b>
Structure Fires (including Confined Fires)	6,964	0.85%	\$ 187,941,935	1.90%
Vehicle Fires (Mobile Properties)	3,245	0.40%	\$ 18,673,908	0.93%
Fixed Mobile Property Fires	319	0.04%	\$ 4,776,402	0.09%
Natural Vegetation Fires	6,059	0.74%	\$ 2,807,564	1.32%
Fire, other	1,310	0.16%	\$ 1,447,229	0.31%
Outside Storage & Equipment Fires	1,499	0.2%	\$ 847,386	0.27%
Cultivated Vegetation Fires	136	0.0%	\$ 544,646	0.03%
Outside Rubbish Fires	3,959	0.5%	\$ 453,245	0.94%
Structure fire, other (conversion only)	2	0.0%	\$ -	0.00%
<b>Rescue and Emergency Medical Service</b>	<b>589,064</b>	<b>71.74%</b>	<b>\$ 1,183,067</b>	<b>68.52%</b>
<b>Service Calls</b>	<b>54,696</b>	<b>6.66%</b>	<b>\$ 586,191</b>	<b>6.85%</b>
<b>Good Intent Calls</b>	<b>86,775</b>	<b>10.57%</b>	<b>\$ 554,202</b>	<b>10.08%</b>
<b>Hazardous Conditions (No Fire)</b>	<b>12,281</b>	<b>1.50%</b>	<b>\$ 262,610</b>	<b>1.65%</b>
<b>Other Types of Incidents</b>	<b>4,282</b>	<b>0.52%</b>	<b>\$ 185,350</b>	<b>0.41%</b>
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>	<b>996</b>	<b>0.12%</b>	<b>\$ 99,030</b>	<b>0.16%</b>
<b>False Alarms &amp; False Calls</b>	<b>48,819</b>	<b>5.95%</b>	<b>\$ 30,002</b>	<b>6.45%</b>
Unintentional False Fire Protection System Activation	24,976	3.04%	\$ 16,502	3.21%
Fire Protection System Malfunction	14,208	1.73%	\$ 10,000	2.03%
Malicious or Mischievous False Alarm	9,635	1.17%	\$ 3,500	1.21%
<b>Undetermined Type of Incident</b>	<b>8</b>	<b>0.00%</b>	<b>\$ -</b>	<b>0.00%</b>
<b>Severe Weather &amp; Natural Disaster</b>	<b>691</b>	<b>0.08%</b>	<b>\$ -</b>	<b>0.09%</b>
<b>Total</b>	<b>821,105</b>	<b>100%</b>	<b>\$ 220,392,767</b>	<b>100%</b>

## Fire History

In the past five years, fire service agencies have reported over 112,000 fire incidents to the SFMO. In these fires, 300 people have lost their lives and more than \$990 million in property and content have been lost. In 2019, the number of fires reported decreased 1% compared to the previous year.

**Natural vegetation fires** were the leading type of fire reported over the past five years, accounting for 29% of the total. During that same time period dollar loss was estimated at \$41 million. When the weather is hot and the humidity is low, fires that start in wildlands, forests, grass or brush can spread quickly. Natural vegetation fires that consume large areas of land or burn in rugged terrain often require a significant amount of time and resources to extinguish.

**Structure fires** were the second leading fire incident type reported. Structure fires accounted for approximately 28% of the fires reported, 80% of the estimated dollar loss, and approximately 63% of the fire fatalities. Statewide, structure fires average approximately four fires per thousand people. Structure fires include buildings or other types of structures, and fires confined to non-combustible containers such as food on stoves, chimneys or flues, boilers, trash receptacles, or commercial compactors.



**Vehicle fires** include mobile properties such as passenger vehicles, trains, mobile recreational vehicles, planes, and off-road vehicles. Over the past five years, vehicle fires accounted for 13% of the total fires reported and more than \$115 million in loss.

**Fixed mobile property fires** include mobile homes, recreational vehicles (RV) or trailers used as residences, and other portable buildings used in a fixed location. These fires account for approximately 1% of all fires and dollar loss reported over the past five years. In that same time period, 16 people lost their lives in recreational vehicles or trailers.

**Outside storage and equipment fires** include mailboxes, gas or vapor combustion explosions without sustained fire, and other types of special outside fires. These fires account for approximately 4% of the fires reported over the past five years and resulted in more than \$9 million in loss.

## Fire History (Continued)

**Cultivated vegetation fires** include grain, crops, orchards, vineyards, trees or nurseries, and other cultivated vegetation fires. The occurrence of these fires is low relative to other fire types, but the financial impact can be devastating to the property owner. Estimating dollar loss for cultivated vegetation can be a challenge for fire service personnel because the market value may not be known.

The **fire, other** category is used when a more specific fire incident type is not available to describe the incident. Nearly 5% of the fires over a five year period have been included in this category.

**Outside rubbish fires** include the burning of trash or waste in or out of trash receptacles or compactors, and fires in landfills. Over the past five years, nearly 16% of the fires in this category were the burning of trash or other waste not in a container or receptacle.

### 2015 – 2019 Fire Incident Type by Category (Five-year total sorted by dollar loss)

Fire Incident Type Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	6,146	6,000	6,119	7,028	6,964	32,257
Dollar Loss	\$130,303,872	\$137,741,595	\$151,748,306	\$188,333,317	\$187,941,935	\$796,069,025
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	2,804	2,793	2,899	3,226	3,245	14,967
Dollar Loss	\$10,046,721	\$12,667,775	\$17,837,467	\$56,591,869	\$18,673,908	\$115,817,740
<b>Natural Vegetation Fires</b>						
# of Incidents	8,043	5,207	6,490	8,026	6,059	33,825
Dollar Loss	\$27,525,619	\$1,686,713	\$4,058,942	\$5,641,842	\$2,807,564	\$41,720,680
<b>Fixed Mobile Property Fires</b>						
# of Incidents	227	213	247	307	319	1,313
Dollar Loss	\$3,709,535	\$1,390,573	\$1,590,665	\$2,751,646	\$4,776,402	\$14,218,821
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	1,382	1,111	1,247	1,476	0	5,216
Dollar Loss	\$6,412,787	\$1,141,648	\$416,348	\$1,782,736	\$0	\$9,753,519
<b>Fire, other</b>						
# of Incidents	1,313	1,129	1,241	1,400	1,310	6,393
Dollar Loss	\$1,505,393	\$1,246,626	\$2,158,363	\$1,110,024	\$1,447,229	\$7,467,635
<b>Cultivated Vegetation Fires</b>						
# of Incidents	138	109	108	145	136	636
Dollar Loss	\$1,551,954	\$451,166	\$103,902	\$857,530	\$544,646	\$3,509,198
<b>Outside Rubbish Fires</b>						
# of Incidents	2,987	2,799	3,168	3,781	5,458	18,193
Dollar Loss	\$347,628	\$145,734	\$282,159	\$218,781	\$1,300,631	\$2,294,933
<b>Structure fire, other (conversion only)</b>						
# of Incidents	0	1	1	0	2	4
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>23,040</b>	<b>19,362</b>	<b>21,520</b>	<b>25,389</b>	<b>23,493</b>	<b>112,804</b>
<b>Total Dollar Loss</b>	<b>\$181,403,509</b>	<b>\$156,471,830</b>	<b>\$178,196,152</b>	<b>\$257,287,745</b>	<b>\$217,492,315</b>	<b>\$990,851,551</b>

## Fires by Heat Source

The table below provides a five-year overview of the heat source information reported in the Fire Module only. Confined fires, which do not require a Fire Module to be completed and heat sources reported through the optional Wildland Module, are not included in the analysis.

**Operating Equipment** remains the leading known heat source, accounting for over 14% of the fires and a little over 21% of the dollar loss reported between 2015 and 2019. Operating equipment includes sparks, embers, or flames from operating equipment, radiated or conducted heat from operating equipment, and electrical arcing.

**Open Flame or Smoking Materials** is the second leading known heat source category. Included in this category are smoking materials, matches and lighters, flares, fuses and torches, candles, and backfire from internal combustion engines. Within this category, smoking materials are the leading heat source category. Smoking materials have historically been reported as the leading cause of fire fatalities.

**Hot or Smoldering Objects** are the third leading known heat source category. Included are molten or hot materials, hot embers or ash, heat from friction, and other hot or smoldering objects.

**Undetermined** heat source category is used when the specific heat source cannot be identified, and is the category that fire investigation standards recommend when a definitive cause cannot be identified. Over the past five years, approximately 28% were reported as undetermined. In some cases, causes are determined after data has been submitted and the revised findings are not updated in the NFIRS reports.

Heat Source Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Undetermined</b>						
# of Incidents	6,481	5,480	6,314	7,604	6,830	32,709
Dollar Loss	\$65,329,222	\$74,917,469	\$85,593,689	\$112,932,748	\$118,986,898	\$457,760,026
<b>Operating Equipment</b>						
# of Incidents	3,231	3,013	3,106	3,474	3,382	16,206
Dollar Loss	\$43,250,728	\$31,821,080	\$43,389,067	\$46,072,773	\$44,755,539	\$209,289,187
<b>Hot or Smoldering Object</b>						
# of Incidents	1,709	1,643	1,739	1,864	1,750	8,705
Dollar Loss	\$11,895,598	\$22,014,154	\$12,168,753	\$46,009,926	\$15,129,281	\$107,217,712
<b>Open Flame or Smoking Material</b>						
# of Incidents	2,148	1,829	1,953	2,154	2,057	10,141
Dollar Loss	\$16,311,341	\$13,502,195	\$16,448,498	\$28,843,447	\$18,048,151	\$93,153,632
<b>(Blank)</b>						
# of Incidents	7,230	5,764	6,463	7,977	7,272	34,706
Dollar Loss	\$28,036,648	\$1,766,479	\$3,928,991	\$5,703,639	\$1,786,989	\$41,222,746
<b>Heat Spread from Another Fire</b>						
# of Incidents	456	375	404	541	504	2,280
Dollar Loss	\$8,062,637	\$2,920,860	\$5,490,947	\$7,850,713	\$5,371,941	\$29,697,098
<b>Other Heat Source</b>						
# of Incidents	746	634	755	824	815	3,774
Dollar Loss	\$3,989,055	\$4,176,489	\$5,777,971	\$3,164,254	\$6,437,348	\$23,545,117
<b>Chemical or Natural</b>						
# of Incidents	267	194	210	231	321	1,223
Dollar Loss	\$2,084,810	\$2,472,791	\$2,229,821	\$3,538,850	\$4,288,067	\$14,614,339
<b>Explosives and Fireworks</b>						
# of Incidents	740	395	540	665	515	2,855
Dollar Loss	\$2,110,169	\$1,281,587	\$1,748,913	\$2,545,469	\$2,550,586	\$10,236,724
<b>Multiple Heat Sources</b>						
# of Incidents	32	35	36	55	47	205
Dollar Loss	\$333,301	\$1,598,726	\$1,419,502	\$625,926	\$137,515	\$4,114,970
<b>Total # of Incidents</b>	<b>23,040</b>	<b>19,362</b>	<b>21,520</b>	<b>25,389</b>	<b>23,493</b>	<b>112,804</b>
<b>Total Dollar Loss</b>	<b>\$181,403,509</b>	<b>\$156,471,830</b>	<b>\$178,196,152</b>	<b>\$257,287,745</b>	<b>\$217,492,315</b>	<b>\$990,851,551</b>

## Area of Origin

Area of origin identifies the primary location where a fire started within a property. The area of origin may be a room, a portion of a room, a vehicle, a portion of a vehicle, or an open area devoted to a specific use. While every fire has an area of origin, NFIRS does not require the specific location to be documented in every case. The area of origin is not required to be documented for fires that do not spread beyond a non-combustible container or vessel, or fires documented through the optional Wildland Module. The table below provides a five-year overview of the areas of origin reported for all fires in the Fire Module only. Property use was not taken into consideration in this analysis.

The leading areas of origin reported between 2015 and 2019, are those fires starting in outside areas (27%) and in vehicle areas (11%). Fires that started in functional areas resulted in the greatest amount of dollar loss to property and contents at over \$196 million dollars. Bedrooms, dining or eating areas, kitchens, bathrooms, laundry rooms, office spaces, and other functional areas are included in this category. Fires that started in structural areas such as crawl spaces, balconies or enclosed porches, attics, wall assemblies and surfaces, roof surfaces, and awnings have accounted for more than \$165 million in loss over the past five years.

Area of Origin by Category	2015	2016	2017	2018	2019	5-Year Total
<b>Functional Areas</b>						
# of Incidents	1,950	1,923	1,883	2,144	2,100	10,000
Dollar Loss	\$32,352,666	\$35,667,287	\$48,232,782	\$38,080,565	\$42,607,071	\$196,940,371
<b>Undetermined</b>						
# of Incidents	8,724	7,179	8,082	9,978	9,196	43,159
Dollar Loss	\$41,728,739	\$25,377,771	\$31,061,699	\$51,116,944	\$38,567,736	\$187,852,889
<b>Structural Areas</b>						
# of Incidents	844	795	852	902	988	4,381
Dollar Loss	\$35,784,107	\$22,870,715	\$25,033,533	\$32,900,450	\$48,890,568	\$165,479,373
<b>Storage Areas</b>						
# of Incidents	604	600	696	718	816	3,434
Dollar Loss	\$21,680,258	\$24,119,066	\$19,554,834	\$26,527,103	\$26,633,212	\$118,514,473
<b>Outside Areas</b>						
# of Incidents	7,024	5,125	5,961	7,136	5,988	31,234
Dollar Loss	\$13,721,391	\$10,625,237	\$9,863,855	\$46,517,990	\$11,818,542	\$92,547,015
<b>Vehicle Areas</b>						
# of Incidents	2,520	2,453	2,523	2,784	2,739	13,019
Dollar Loss	\$10,856,979	\$11,971,708	\$16,047,083	\$22,471,801	\$17,206,284	\$78,553,855
<b>Areas of Groups of People (Assembly)</b>						
# of Incidents	214	172	226	232	219	1,063
Dollar Loss	\$8,613,863	\$8,575,932	\$8,443,835	\$14,720,800	\$13,695,124	\$54,049,554
<b>Service or Equipment Areas</b>						
# of Incidents	318	307	346	347	374	1,692
Dollar Loss	\$10,584,238	\$10,942,598	\$10,124,604	\$11,584,275	\$4,769,479	\$48,005,194
<b>Means of Egress/Exit Access/Exit Areas</b>						
# of Incidents	166	154	179	180	188	867
Dollar Loss	\$3,129,720	\$3,576,928	\$7,251,706	\$9,822,156	\$4,128,016	\$27,908,526
<b>Other Areas of Origin</b>						
# of Incidents	634	622	732	926	845	3,759
Dollar Loss	\$1,891,398	\$2,356,388	\$2,132,271	\$2,565,169	\$7,761,510	\$16,706,736
<b>Technical Processing Areas</b>						
# of Incidents	42	32	40	42	40	196
Dollar Loss	\$1,060,150	\$388,200	\$449,950	\$980,492	\$1,414,773	\$4,293,565
<b>Total # of Incidents</b>	<b>23,040</b>	<b>19,362</b>	<b>21,520</b>	<b>25,389</b>	<b>23,493</b>	<b>112,804</b>
<b>Total Dollar Loss</b>	<b>\$181,403,509</b>	<b>\$156,471,830</b>	<b>\$178,196,152</b>	<b>\$257,287,745</b>	<b>\$217,492,315</b>	<b>\$990,851,551</b>

## Fires at Residential Properties

Fires at residential properties are a significant problem in terms of the impact on lives and property. Over the past five years, 83% of the fire fatalities in Washington State occurred in residential properties. As categorized by NFIRS, residential properties include one- and two-family dwellings, multi-family dwellings, board and care facilities, hotel/motels, college housing, barracks, and dormitories.

Fire Incident Type Category (Residential Property Only)	2015	2016	2017	2018	2019	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	4,781	4,674	4,836	5,478	5,445	25,214
Dollar Loss	\$92,809,119	\$96,248,473	\$105,377,132	\$131,863,427	\$133,985,171	\$560,283,322
<b>Fixed Mobile Property Fires</b>						
# of Incidents	139	119	145	186	199	788
Dollar Loss	\$3,374,507	\$1,039,218	\$1,211,487	\$2,034,005	\$4,241,899	\$11,901,116
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	273	306	320	397	401	1,697
Dollar Loss	\$857,953	\$1,161,611	\$1,336,715	\$2,334,863	\$2,300,958	\$7,992,100
<b>Fire, other</b>						
# of Incidents	587	559	583	669	629	3,027
Dollar Loss	\$267,825	\$349,778	\$1,713,426	\$728,022	\$882,170	\$3,941,221
<b>Natural Vegetation Fires</b>						
# of Incidents	1,292	847	1,043	1,355	1,131	5,668
Dollar Loss	\$196,825	\$774,127	\$116,649	\$1,302,056	\$211,488	\$2,601,145
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	277	174	229	251	0	931
Dollar Loss	\$2,189,824	\$80,235	\$96,365	\$195,470	\$0	\$2,561,894
<b>Outside Rubbish Fires</b>						
# of Incidents	1,171	972	1,089	1,280	1,457	5,969
Dollar Loss	\$40,139	\$83,584	\$32,904	\$56,175	\$199,077	\$411,879
<b>Cultivated Vegetation Fires</b>						
# of Incidents	17	13	9	22	16	77
Dollar Loss	\$40,075	\$202	\$2,600	\$26,000	\$5,000	\$73,877
<b>Structure fire, other (conversion only)</b>						
# of Incidents	0	1	1	0	0	2
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>8,537</b>	<b>7,665</b>	<b>8,255</b>	<b>9,638</b>	<b>9,278</b>	<b>43,373</b>
<b>Total Dollar Loss</b>	<b>\$99,776,267</b>	<b>\$99,737,228</b>	<b>\$109,887,278</b>	<b>\$138,540,018</b>	<b>\$141,825,763</b>	<b>\$589,766,554</b>

Residential Property Uses	2015	2016	2017	2018	2019	5-Year Total
<b>1 or 2 Family Dwelling</b>						
# of Incidents	6,160	5,493	5,935	6,924	6,650	31,162
Dollar Loss	\$75,022,345	\$78,896,487	\$85,829,115	\$104,272,240	\$116,134,748	\$460,154,935
<b>Multi-family Dwellings</b>						
# of Incidents	1,803	1,643	1,708	2,038	1,935	9,127
Dollar Loss	\$20,900,538	\$19,391,917	\$21,548,666	\$26,067,239	\$22,305,815	\$110,214,175
<b>Other Residential Uses</b>						
# of Incidents	574	529	612	676	693	3,084
Dollar Loss	\$3,853,384	\$1,448,824	\$2,509,497	\$8,200,539	\$3,385,200	\$19,397,444
<b>Total # of Incidents</b>	<b>8,537</b>	<b>7,665</b>	<b>8,255</b>	<b>9,638</b>	<b>9,278</b>	<b>43,373</b>
<b>Total Dollar Loss</b>	<b>\$99,776,267</b>	<b>\$99,737,228</b>	<b>\$109,887,278</b>	<b>\$138,540,018</b>	<b>\$141,825,763</b>	<b>\$589,766,554</b>

## Automatic Extinguishing Systems

In 2019, there were 337 fire suppression system activations reported at properties with full or partial automatic extinguishing systems present. Just over \$10 million was lost in property and contents.

Of the 54 fire fatalities reported during 2019, none occurred in a building that was equipped with fire sprinklers.

Automatic Extinguishing System (AES) Presence* by Property Use Category - 2019	# of Incidents	Reported Property & Contents Loss
<b>Residential</b>	<b>177</b>	<b>\$3,616,814</b>
Multi-family dwellings	133	\$1,774,040
1 or 2 family dwelling	25	\$1,769,409
Hotel/motel, commercial	11	\$62,300
Residential board and care	3	\$101
Residential, other	2	\$100
Boarding/rooming house, residential hotels	2	\$10,864
Barracks, dormitory	1	\$0
<b>Mercantile &amp; Business</b>	<b>46</b>	<b>\$4,681,157</b>
<b>Assembly</b>	<b>40</b>	<b>\$410,738</b>
<b>Manufacturing &amp; Processing</b>	<b>27</b>	<b>\$1,242,888</b>
<b>Educational Uses</b>	<b>18</b>	<b>\$216,185</b>
<b>Health Care, Detention, &amp; Corrections</b>	<b>13</b>	<b>\$55,881</b>
<b>Storage</b>	<b>7</b>	<b>\$444,559</b>
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>	<b>6</b>	<b>\$0</b>
<b>Outside or Special Properties</b>	<b>3</b>	<b>\$3,500</b>
<b>Total</b>	<b>337</b>	<b>\$10,671,722</b>

\*Data is based on full or partial AES Presence

Fires in homes pose one of the biggest threats to people. In 2019, there were more than 9,000 structure fires in residential properties, resulting in 34 fire fatalities and dollar loss in excess of \$141 million. Residential fire sprinklers are a proven way to protect lives and property against fires at home.

Residential sprinkler systems respond quickly to reduce heat, flames, and smoke from a fire, giving occupants valuable time to get to safety. Each individual sprinkler is designed and calibrated to activate when it senses a significant heat change. Only the sprinkler closest to the fire will activate, spraying water directly on the fire.

Installing residential fire sprinklers can reduce property loss in the event of a fire, reduce homeowner insurance premiums, and help qualify a home for a tax rebate.

## Cause of Ignition

The cause of ignition is useful in determining the factors that lead up to fire ignition. The table below illustrates the causes of ignition reported through the Fire Module over the past five years. The causes of fire can be a result of unintentional or intentional acts, mechanical failures of equipment, or other heat sources, or acts of nature. Fire prevention measures and product safety features can be tailored to address the causes of fires reported through NFIRS.

Cause of Ignition	2015	2016	2017	2018	2019	5-Year Total
<b>Unintentional</b>						
# of Incidents	7,383	6,373	6,988	7,806	7,052	35,602
Dollar Loss	\$64,765,749	\$69,528,086	\$70,267,977	\$66,307,708	\$69,367,922	\$340,237,442
<b>Cause under investigation</b>						
# of Incidents	1,446	1,409	1,528	1,919	1,718	8,020
Dollar Loss	\$45,672,225	\$41,626,269	\$48,862,009	\$99,947,915	\$83,178,698	\$319,287,116
<b>Cause undetermined after investigation</b>						
# of Incidents	2,614	1,926	2,358	2,625	2,419	11,942
Dollar Loss	\$13,173,122	\$18,851,307	\$29,773,210	\$38,290,408	\$29,477,563	\$129,565,610
<b>Failure of equipment or heat source</b>						
# of Incidents	1,595	1,513	1,677	1,820	1,800	8,405
Dollar Loss	\$17,372,349	\$9,802,235	\$11,639,165	\$19,153,092	\$16,776,407	\$74,743,248
<b>Intentional</b>						
# of Incidents	2,187	1,987	2,045	2,615	2,654	11,488
Dollar Loss	\$6,539,849	\$11,437,913	\$10,276,341	\$20,390,829	\$12,917,053	\$61,561,985
<b>(Blank)</b>						
# of Incidents	7,230	5,765	6,462	7,980	7,273	34,710
Dollar Loss	\$28,036,648	\$1,766,479	\$3,923,121	\$5,760,974	\$1,786,989	\$41,274,211
<b>Cause, Other (conversion and exposure 1 only)</b>						
# of Incidents	247	194	216	357	281	1,295
Dollar Loss	\$5,167,687	\$2,819,413	\$3,116,025	\$6,958,594	\$3,448,770	\$21,510,489
<b>Act of Nature</b>						
# of Incidents	338	195	246	267	296	1,342
Dollar Loss	\$675,880	\$640,128	\$338,304	\$478,225	\$538,913	\$2,671,450
<b>Total # of Incidents</b>	<b>23,040</b>	<b>19,362</b>	<b>21,520</b>	<b>25,389</b>	<b>23,493</b>	<b>112,804</b>
<b>Total Dollar Loss</b>	<b>\$181,403,509</b>	<b>\$156,471,830</b>	<b>\$178,196,152</b>	<b>\$257,287,745</b>	<b>\$217,492,315</b>	<b>\$990,851,551</b>

## Intentionally Set Fires by Property Use

In accordance with NFIRS, intentionally set fires are those fires set deliberately by the misuse of a heat source or the intentional ignition of property. Intentionally set fires result in millions of dollars in property loss in our state each year.

Intentionally Set Fires by Property Use	2015	2016	2017	2018	2019	5-Year Total
<b>Residential</b>						
# of Incidents	752	712	674	944	983	4,065
Dollar Loss	\$3,488,498	\$4,980,744	\$5,776,111	\$6,204,439	\$6,667,359	\$27,117,151
<b>Mercantile &amp; Business</b>						
# of Incidents	50	37	46	54	77	264
Dollar Loss	\$618,060	\$2,375,002	\$3,205,449	\$4,559,730	\$5,053,552	\$15,811,793
<b>Manufacturing &amp; Processing</b>						
# of Incidents	4	4	11	3	8	30
Dollar Loss	\$2,891	\$850,000	\$34,100	\$6,500,000	\$1	\$7,386,992
<b>Assembly</b>						
# of Incidents	50	56	37	40	56	239
Dollar Loss	\$206,075	\$2,095,733	\$51,701	\$1,765,841	\$156,771	\$4,276,121
<b>Outside or Special Properties</b>						
# of Incidents	816	646	738	937	852	3,989
Dollar Loss	\$738,766	\$533,532	\$913,501	\$742,669	\$434,162	\$3,362,630
<b>Storage</b>						
# of Incidents	35	40	25	34	38	172
Dollar Loss	\$272,700	\$393,177	\$55,401	\$431,050	\$166,953	\$1,319,281
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>						
# of Incidents	37	28	30	41	64	200
Dollar Loss	\$554,140	\$1,000	\$10,000	\$0	\$27,700	\$592,840
<b>Other Property Uses</b>						
# of Incidents	48	48	49	36	50	231
Dollar Loss	\$146,105	\$102,818	\$96,575	\$92,710	\$123,900	\$562,108
<b>Educational Uses</b>						
# of Incidents	35	36	33	33	39	176
Dollar Loss	\$14,470	\$99,388	\$111,250	\$60,135	\$256,875	\$542,118
<b>Health Care, Detention, &amp; Corrections</b>						
# of Incidents	4	5	3	12	10	34
Dollar Loss	\$480,000	\$660	\$6,500	\$6,434	\$23,730	\$517,324
<b>Undetermined</b>						
# of Incidents	346	362	388	462	473	2,031
Dollar Loss	\$17,144	\$5,859	\$15,753	\$25,121	\$6,050	\$69,927
<b>None</b>						
# of Incidents	10	13	11	19	4	57
Dollar Loss	\$1,000	\$0	\$0	\$2,700	\$0	\$3,700
<b>Total # of Incidents</b>	<b>2,187</b>	<b>1,987</b>	<b>2,045</b>	<b>2,615</b>	<b>2,654</b>	<b>11,488</b>
<b>Total Dollar Loss</b>	<b>\$6,539,849</b>	<b>\$11,437,913</b>	<b>\$10,276,341</b>	<b>\$20,390,829</b>	<b>\$12,917,053</b>	<b>\$61,561,985</b>

## Incidents Based on Population

In Washington State, 12 of the 39 counties have populations of over 100,000, representing 85% of the state’s population. In 2019, approximately 85% of the incidents and 81% of the dollar loss reported as a result of fire occurred in the most densely populated counties.

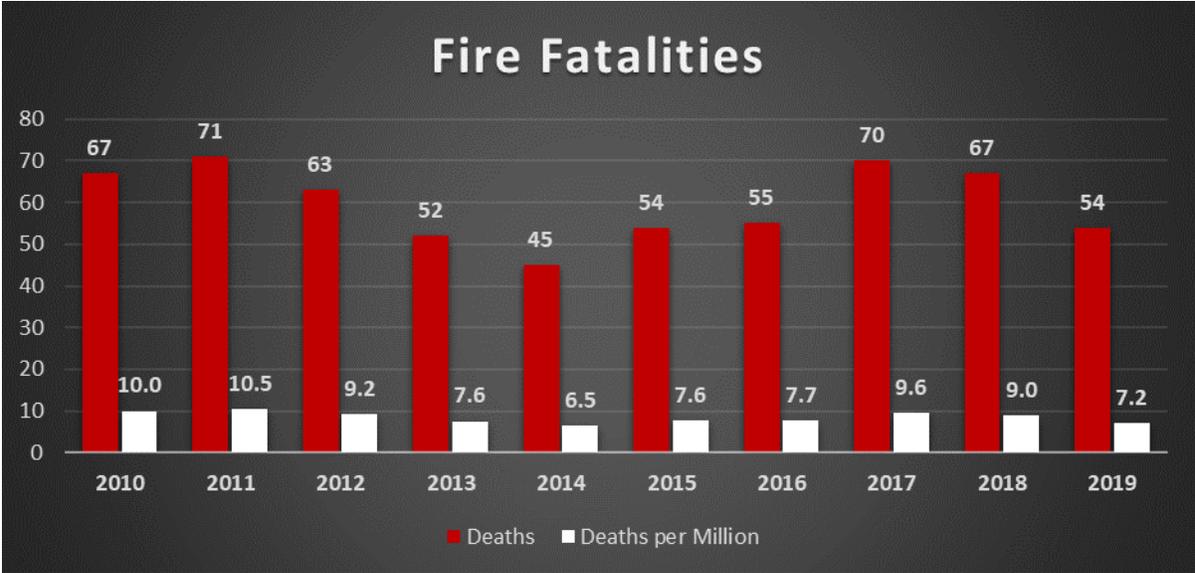
Estimated Population (Based on figures from the Washington State Office of Financial Management)	12 Counties with Populations over 100,000		27 Counties with Populations Under 100,000		Statewide	
	6,414,150	85%	1,132,260	15%	7,546,410	
Incident Type Categories	Total # of Incidents	% of Total Incidents	Total # of Incidents	% of Total Incidents	Total # of Incidents	% of Total Incidents
<b>Rescue and Emergency Medical Service</b>	<b>508,079</b>	<b>61.88%</b>	<b>80,985</b>	<b>9.86%</b>	<b>589,064</b>	<b>71.74%</b>
<b>Good Intent Calls</b>	<b>77,417</b>	<b>9.43%</b>	<b>9,358</b>	<b>1.14%</b>	<b>86,775</b>	<b>10.57%</b>
<b>Service Calls</b>	<b>46,769</b>	<b>5.70%</b>	<b>7,927</b>	<b>0.97%</b>	<b>54,696</b>	<b>6.66%</b>
<b>False Alarms &amp; False Calls</b>	<b>43,019</b>	<b>5.24%</b>	<b>5,800</b>	<b>0.71%</b>	<b>48,819</b>	<b>5.95%</b>
Unintentional False Fire Protection System Activation	22,045	2.68%	2,936	0.36%	24,981	3.04%
Fire Protection System Malfunction	12,673	1.54%	1,535	0.19%	14,208	1.73%
Malicious or Mischievous False Alarm	8,301	1.01%	1,329	0.16%	9,630	1.17%
<b>Fire</b>	<b>18,751</b>	<b>2.28%</b>	<b>4,742</b>	<b>0.58%</b>	<b>23,493</b>	<b>2.86%</b>
Structure Fires (including Confined Fires)	5,496	0.67%	1,468	0.18%	6,964	0.85%
Vehicle Fires (Mobile Properties)	2,604	0.32%	641	0.08%	3,245	0.40%
Fixed Mobile Property Fires	206	0.03%	113	0.01%	319	0.04%
Natural Vegetation Fires	4,548	0.55%	1,511	0.18%	6,059	0.74%
Fire, other	1,033	0.13%	277	0.03%	1,310	0.16%
Outside Storage & Equipment Fires	1,346	0.16%	153	0.02%	1,499	0.18%
Cultivated Vegetation Fires	52	0.01%	84	0.01%	136	0.02%
Outside Rubbish Fires	3,465	0.42%	494	0.06%	3,959	0.48%
Structure fire, other (conversion only)	1	0.00%	1	0.00%	2	0.00%
<b>Hazardous Conditions (No Fire)</b>	<b>10,547</b>	<b>1.28%</b>	<b>1,734</b>	<b>0.21%</b>	<b>12,281</b>	<b>1.50%</b>
<b>Other Types of Incidents</b>	<b>3,672</b>	<b>0.45%</b>	<b>610</b>	<b>0.07%</b>	<b>4,282</b>	<b>0.52%</b>
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>	<b>871</b>	<b>0.11%</b>	<b>188</b>	<b>0.02%</b>	<b>1,059</b>	<b>0.13%</b>
<b>Severe Weather &amp; Natural Disaster</b>	<b>503</b>	<b>0.06%</b>	<b>125</b>	<b>0.02%</b>	<b>628</b>	<b>0.08%</b>
<b>Undetermined Type of Incident</b>	<b>8</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>8</b>	<b>0.00%</b>
<b>Total</b>	<b>709,636</b>	<b>86.42%</b>	<b>111,469</b>	<b>13.58%</b>	<b>821,105</b>	<b>100%</b>
<b>Dollar Loss as a Result of Fire</b>	<b>\$ 178,941,396</b>	<b>81.19%</b>	<b>\$ 41,451,371</b>	<b>18.81%</b>	<b>\$ 220,392,767</b>	<b>100%</b>

Counties with populations greater than 100,000



# FIRE FATALITIES

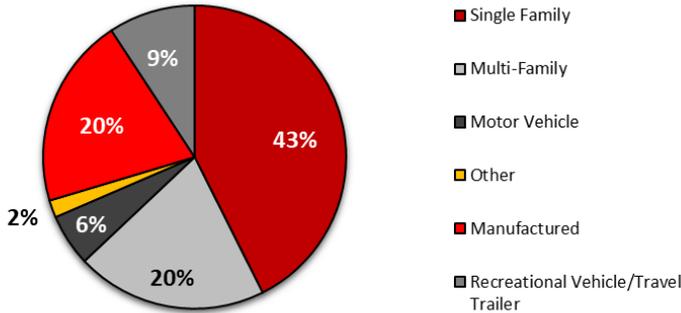
In 2019, fire agencies reported 54 fire fatalities to the SFMO. Compared to the previous year, fire fatalities decreased 19%, lowering the rate in Washington State to 7.2 fire deaths per million people. According to the latest available statistics from the USFA (2017 figures), the national fire death rate was 11.2 per million people. Washington State ranked 26th lowest in the nation.



## Locations Fire Fatalities Occurred in 2019

Fire fatalities occur most frequently where people sleep. In 2019, nearly 83% of the fire fatalities occurred in residential dwellings, and another 9% occurred in recreational vehicles or travel trailers. Of the deaths that occurred in single family dwellings, approximately 20% were classified as mobile homes.

## 2019 Fire Fatalities by Occupancy

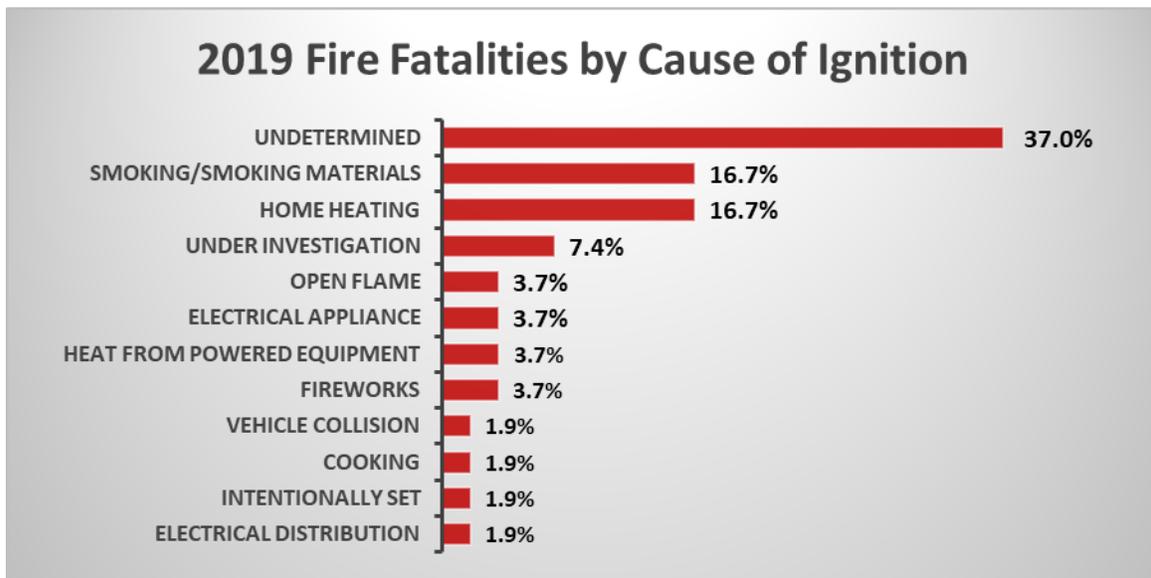


Occupancy Categories	Total	% of Total
Single Family	23	43%
Multi-Family	11	20%
Motor Vehicle	3	6%
Other	1	2%
Manufactured	11	20%
Recreational Vehicle/Travel Trailer	5	9%
<b>TOTAL</b>	<b>54</b>	<b>100%</b>

## 2019 Fire Fatality Causes

Of the fire fatalities reported in 2019, **smoking/smoking materials and home heating** fires were the leading known causes. Each category resulting in 9 deaths and, and tied at 16.7% each of the total. High risk behaviors, such as smoking in sleeping or lounging areas; smoking while using medical oxygen; and smoking while under the influence of mind-altering drugs or alcohol should be avoided. These fires can also occur due to improper disposal of smoking materials. Per the USFA, smoking accounted for 11.8% of residential fire deaths in 2017 and 2.2% of non-residential building fires across the United States. Home heating fires are often related to the use of portable space heaters in lieu of built-in heating systems; improper installation of heating equipment; lack of maintenance or clearing of furnaces, chimneys or flues; and the use of accelerants to start fires.

In the case of **undetermined** fire causes, the exact fire cause cannot be clearly identified by the fire investigator.



## Age and Gender of Fire Fatalities

Age and gender are factors that impact an individual's ability to escape a fire. The USFA indicates men are 1.6 times more likely to die in fires than women. Males account for 60.9% of all fire deaths, nationally, with a fire death rate of 13.9 deaths per million population. In 2019, fire agencies in Washington State reported approximately 51.9% of the fire victims were male.

In 2019, approximately 66.7% of the people that died in fires were age 50 or older. As people age, they may become unable to react quickly in emergency situations, they may take medications that slow their ability to make rapid decisions, they may not be able to hear smoke alarms sounding, and they may be home alone at the time a fire starts.

Children are at significant risk in fire situations. Young children may not be capable of escaping or know the dangers of fire exposure. Their ability to escape may be dependent on other occupants. Infants cannot save themselves, and young children may have limited fire escape skills or knowledge.

Age Group	FEMALE		MALE		Total	% of Total
	Total	% of Total	Total	% of Total		
10 & Under	2	3.7%	2	3.7%	4	7.4%
11 - 19	2	3.7%	0	0.0%	2	3.7%
20 - 29	1	1.9%	3	5.6%	4	7.4%
30 - 39	0	0.0%	3	5.6%	3	5.6%
40 - 49	2	3.7%	3	5.6%	5	9.3%
50 - 59	4	7.4%	4	7.4%	8	14.8%
60 - 69	8	14.8%	4	7.4%	12	22.2%
70 - 79	3	5.6%	7	13.0%	10	18.5%
80 - 89	4	7.4%	2	3.7%	6	11.1%
90 - 99	0	0.0%	0	0.0%	0	0.0%
<b>Grand Total</b>	<b>26</b>	<b>48.1%</b>	<b>28</b>	<b>51.9%</b>	<b>54</b>	<b>100.0%</b>

### 2019 Multiple Deaths Incidents:

February – In Thurston County, two people died in a single-family residence.

July – In Benton County, two children died in a residential structure fire in a manufactured home.

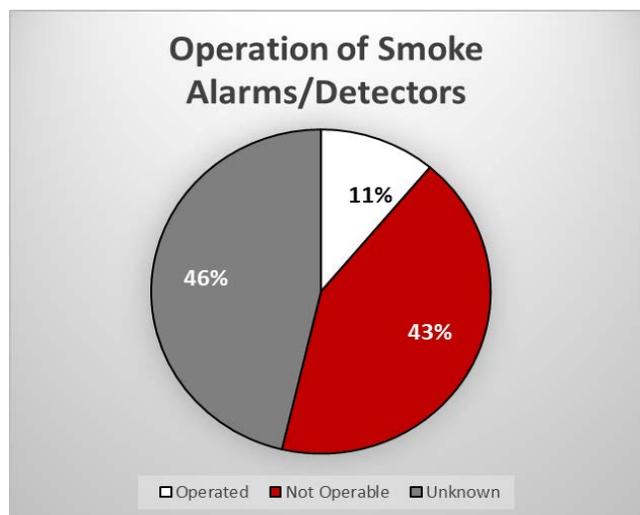
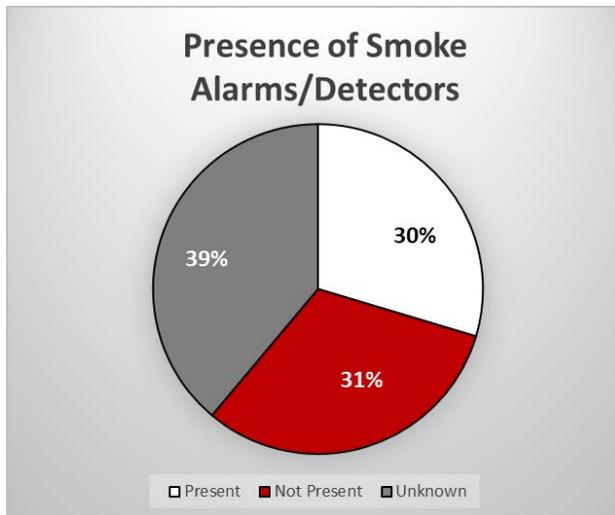
November – In Snohomish County, two children died in a multi-family residence.

### Fire Fatalities and Fire Protection Devices

Fire protection devices, such as smoke alarms and fire sprinklers, play a key role in reducing the loss of life in fires. Smoke alarms are designed to detect smoke and provide early notification to building occupants. Fire sprinklers provide critical fire suppression and occupant protection, particularly for impaired individuals. There were no fire sprinklers present in any of the fatal fires reported in 2019.

The charts and information below illustrate the features of fire protection devices reported for 50 of the 54 fire fatalities, which occurred in buildings or recreational vehicles during 2019. Findings for smoke alarms or detectors:

- Approximately 70% of the fire fatalities occurred where no smoke alarms or detectors were reported.
- 11% of fire fatalities occurred in areas where smoke alarms or detectors were present and operational. Human factors, such as the person was asleep, under the influence of drugs or alcohol, age or had physical or mental impairment, may have contributed to the individual not escaping the fire.



## Causes of Fire Fatalities over the Past Five Years

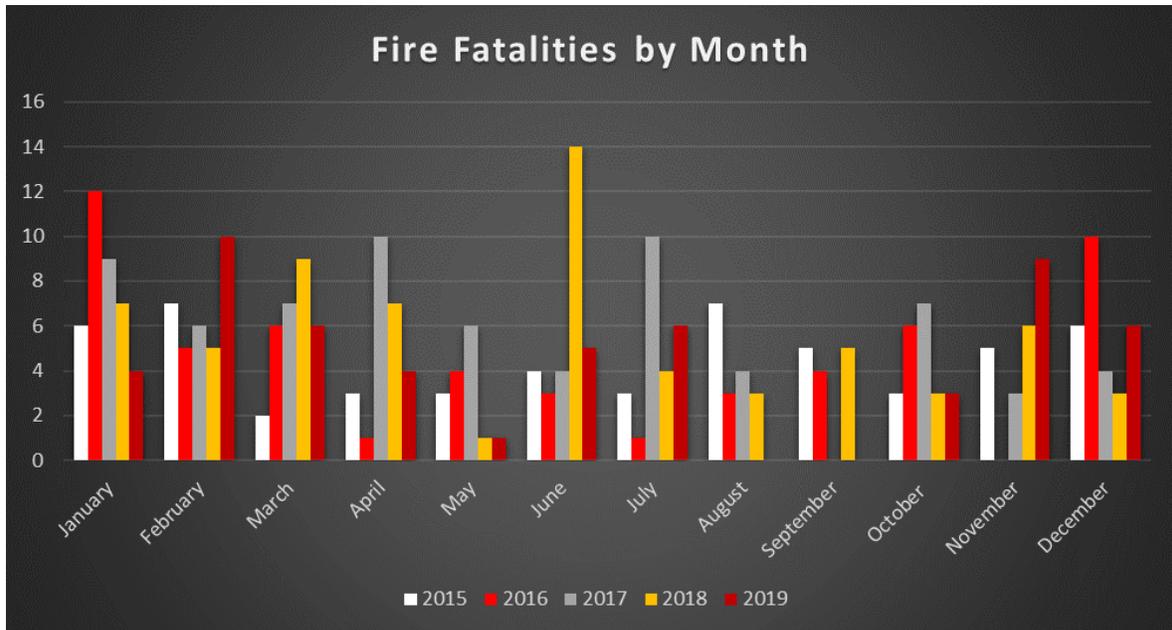
**Smoking-related** fires have historically been the leading known cause for fire fatalities in Washington State. Over the past five years, 16% of the fire fatalities have been smoking-related. Smoking in sleeping areas, while using medical oxygen systems, or while under the influence of alcohol or mind-altering drugs increases the risk of a fire occurring.

Fires started by **home heating** are the second leading cause for fire fatalities on a five year average, resulting in 8% of the total. In 2019, nearly 17% of the fire deaths were reported as home heating. Poor maintenance, combustibles too close to heat sources, improper installation or use of electrical equipment, overloaded circuits, or the use of extension cords in place of permanent wiring, contributes to electrical-related fires.

Cause Category	2015	2016	2017	2018	2019	5- Year Total	5-Year % of Total
Undetermined	21	23	23	19	20	106	35.3%
Smoking and/or Smoking Materials	10	6	10	14	9	49	16.3%
Under Investigation	0	4	11	11	4	30	10.0%
Home Heating	2	4	4	5	9	24	8.0%
Electrical Related	7	2	8	0	1	18	6.0%
Intentionally Set (self-inflicted or by another person)	7	6	4	0	1	18	6.0%
Vehicle collision	0	2	0	8	1	11	3.7%
Open Flame	0	2	4	3	2	11	3.7%
Cooking	1	2	1	3	1	8	2.7%
Electrical Appliance	1	4	0	1	2	8	2.7%
Unknown	1	0	3	0	0	4	1.3%
Wildfire	3	0	0	0	0	3	1.0%
Heat from powered equipment	0	0	0	1	2	3	1.0%
Spark/Ember	0	0	2	0	0	2	0.7%
Fireworks	0	0	0	0	2	2	0.7%
Failure of equipment	0	0	0	1	0	1	0.3%
Brush fire	1	0	0	0	0	1	0.3%
Heat source failure	0	0	0	1	0	1	0.3%
<b>TOTAL</b>	<b>54</b>	<b>55</b>	<b>70</b>	<b>67</b>	<b>54</b>	<b>300</b>	<b>100%</b>

## Fire Fatalities by Month over the Past Five Years

- Based on a five-year average, approximately 5 people die each month in fire incidents in Washington State.
- June 2018, was the deadliest month in the past five years with 14 fire deaths.
- August 2019, September 2017 and 2019, and November 2016 were the only months in the past five years with zero fire fatalities.
- When the weather is cold in Washington, fire fatalities tend to increase as people stay inside where the risk of fire is higher.



## Fire Fatalities by County

The chart below provides the fire fatality rate by county, per 100,000 people for the past five years. From 2015 to 2019, Adams, Ferry, Garfield, Kittitas, Lincoln, Pend Oreille, San Juan, Wahkiakum, and Whitman counties have not reported any fire fatalities.

County	2015		2016		2017		2018		2019		5-Year Fatality Total
	# of Deaths	Rate*									
Adams	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Asotin	0	0.0	0	0.0	1	4.5	0	0.0	1	4.4	2
Benton	1	0.5	2	1.0	1	0.5	4	2.0	2	1.0	10
Chelan	0	0.0	2	2.6	1	1.3	1	1.3	0	0.0	4
Clallam	1	1.4	0	0.0	0	0.0	1	1.3	1	1.3	3
Clark	1	0.2	2	0.4	3	0.6	2	0.4	1	0.2	9
Columbia	0	0.0	0	0.0	2	48.8	0	0.0	0	0.0	2
Cowliz	1	1.0	1	1.0	1	0.9	0	0.0	0	0.0	3
Douglas	0	0.0	2	4.9	1	2.4	2	4.7	0	0.0	5
Ferry	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Franklin	0	0.0	0	0.0	1	1.1	0	0.0	0	0.0	1
Garfield	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Grant	0	0.0	0	0.0	2	2.1	1	1.0	2	2.0	5
Grays Harbor	0	0.0	0	0.0	2	2.7	4	5.4	1	1.3	7
Island	1	1.2	4	4.8	3	3.6	0	0.0	1	1.2	9
Jefferson	0	0.0	0	0.0	2	6.4	6	19.0	1	3.1	9
King	10	0.5	12	0.6	13	0.6	16	0.7	10	0.4	61
Kitsap	1	0.4	2	0.8	7	2.6	5	1.9	2	0.7	17
Kittitas	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Klickitat	0	0.0	1	4.7	0	0.0	0	0.0	0	0.0	1
Lewis	3	3.9	4	5.2	4	5.2	0	0.0	2	2.5	13
Lincoln	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Mason	2	3.2	0	0.0	0	0.0	1	1.6	1	1.5	4
Okanogan	3	7.2	1	2.4	0	0.0	0	0.0	0	0.0	4
Pacific	0	0.0	1	4.7	2	9.4	1	4.7	1	4.6	5
Pend Oreille	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Pierce	5	0.6	7	0.8	6	0.7	5	0.6	4	0.5	27
San Juan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Skagit	0	0.0	1	0.8	3	2.4	3	2.4	3	2.3	10
Skamania	1	8.7	0	0.0	0	0.0	1	8.4	0	0.0	2
Snohomish	6	0.8	4	0.5	6	0.8	3	0.4	8	1.0	27
Spokane	9	1.8	5	1.0	2	0.4	7	1.4	1	0.2	24
Stevens	3	6.8	2	4.5	1	2.2	0	0.0	0	0.0	6
Thurston	0	0.0	1	0.4	1	0.4	1	0.4	3	1.0	6
Wahkiakum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Walla Walla	1	1.6	0	0.0	0	0.0	0	0.0	2	3.2	3
Whatcom	1	0.5	0	0.0	2	0.9	0	0.0	6	2.7	9
Whitman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Yakima	4	1.6	1	0.4	3	1.2	3	1.2	1	0.4	12
<b>STATE TOTAL</b>	<b>54</b>	<b>0.8</b>	<b>55</b>	<b>0.8</b>	<b>70</b>	<b>1.0</b>	<b>67</b>	<b>0.9</b>	<b>54</b>	<b>0.7</b>	<b>300</b>

## Region 1

Region 1 is comprised of Clallam, Jefferson, Kitsap, and Mason counties. In 2019, 85% of the fire service agencies in this region reported NFIRS data to the SFMO. Below is a table summarizing the incidents that have been reported over the past five years.



### Five-Year Incident Type Summary

Incident Type Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Fire</b>						
# of Incidents	1,466	1,246	1,288	1,578	1,298	6,876
Dollar Loss	\$18,402,696	\$8,620,647	\$9,865,726	\$11,285,216	\$10,908,293	\$59,082,578
<b>Service Calls</b>						
# of Incidents	5,592	6,126	6,414	7,474	6,889	32,495
Dollar Loss	\$150,000	\$195,000	\$41,500	\$0	\$82,500	\$469,000
<b>Rescue and Emergency Medical Service</b>						
# of Incidents	35,882	37,836	40,163	48,699	51,846	214,426
Dollar Loss	\$4,000	\$0	\$19,000	\$80,100	\$92,000	\$195,100
<b>Hazardous Conditions (No Fire)</b>						
# of Incidents	1,576	1,398	1,323	1,341	1,205	6,843
Dollar Loss	\$17,500	\$1,000	\$51,000	\$33,500	\$26,300	\$129,300
<b>Severe Weather &amp; Natural Disaster</b>						
# of Incidents	154	113	69	151	112	599
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
# of Incidents	63	54	80	72	71	340
Dollar Loss	\$0	\$0	\$0	\$0	\$73,715	\$73,715
<b>False Alarms &amp; False Calls</b>						
# of Incidents	2,540	2,708	2,687	2,847	3,111	13,893
Dollar Loss	\$0	\$0	\$0	\$10,000	\$0	\$10,000
<b>Good Intent Calls</b>						
# of Incidents	4,663	4,497	4,935	6,005	6,076	26,176
Dollar Loss	\$4,000	\$0	\$0	\$0	\$0	\$4,000
<b>Other Types of Incidents</b>						
# of Incidents	211	208	352	302	572	1,645
Dollar Loss	\$0	\$500	\$0	\$0	\$0	\$500
<b>Total # of Incidents</b>	<b>52,147</b>	<b>54,186</b>	<b>57,311</b>	<b>68,469</b>	<b>71,180</b>	<b>303,293</b>
<b>Total Dollar Loss</b>	<b>\$18,578,196</b>	<b>\$8,817,147</b>	<b>\$9,977,226</b>	<b>\$11,408,816</b>	<b>\$11,182,808</b>	<b>\$59,964,193</b>

## Region 1 Fire Incidents

Over the past five years, 6,876 fire incidents, resulting in more than \$59 million in property and content loss, have been reported by fire service agencies in Region 1. Structure fires, including confined fires, accounted for 34% of the five-year total and 82% of the dollar loss to property and content.

**Region 1 Fire Incidents by Category (Five-year total sorted by dollar loss)**

<b>Fire Incidents by Category</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	494	472	484	529	453	2,432
Dollar Loss	\$12,024,118	\$7,950,418	\$9,396,911	\$9,946,196	\$9,278,680	\$48,596,323
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	56	32	30	47	35	200
Dollar Loss	\$5,102,800	\$16,100	\$2,550	\$103,130	\$27,255	\$5,251,835
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	184	172	162	203	230	951
Dollar Loss	\$440,713	\$456,113	\$393,728	\$827,420	\$1,060,044	\$3,178,018
<b>Fixed Mobile Property Fires</b>						
# of Incidents	28	23	29	38	23	141
Dollar Loss	\$819,200	\$143,384	\$54,745	\$161,300	\$287,000	\$1,465,629
<b>Natural Vegetation Fires</b>						
# of Incidents	522	364	398	517	345	2,146
Dollar Loss	\$1,750	\$25,201	\$3,502	\$216,120	\$106,271	\$352,844
<b>Fire, other</b>						
# of Incidents	88	81	81	113	77	440
Dollar Loss	\$2,365	\$23,921	\$13,040	\$22,200	\$146,058	\$207,584
<b>Outside Rubbish Fires</b>						
# of Incidents	92	99	103	130	132	556
Dollar Loss	\$11,750	\$5,210	\$1,250	\$8,850	\$2,985	\$30,045
<b>Cultivated Vegetation Fires</b>						
# of Incidents	2	3	1	1	3	10
Dollar Loss	\$0	\$300	\$0	\$0	\$0	\$300
<b>Total # of Incidents</b>	<b>1,466</b>	<b>1,246</b>	<b>1,288</b>	<b>1,578</b>	<b>1,298</b>	<b>6,876</b>
<b>Total Dollar Loss</b>	<b>\$18,402,696</b>	<b>\$8,620,647</b>	<b>\$9,865,726</b>	<b>\$11,285,216</b>	<b>\$10,908,293</b>	<b>\$59,082,578</b>

**Region 1 Structure Fires by Type (Five-year total sorted by dollar loss)**

<b>Structure Fires (including confined fires)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Building fires</b>						
# of Incidents	222	216	239	266	219	1,162
Dollar Loss	\$12,002,948	\$7,938,803	\$9,342,841	\$9,754,045	\$9,162,003	\$48,200,640
<b>Fires in structures other than in a building</b>						
# of Incidents	8	19	15	20	18	80
Dollar Loss	\$12,200	\$650	\$22,320	\$162,100	\$36,720	\$233,990
<b>Cooking fire, confined to container</b>						
# of Incidents	113	102	78	92	89	474
Dollar Loss	\$5,740	\$3,400	\$18,500	\$13,551	\$64,607	\$105,798
<b>Chimney or flue fire, confined to chimney or flue</b>						
# of Incidents	68	74	88	78	86	394
Dollar Loss	\$2,000	\$3,565	\$8,200	\$500	\$14,600	\$28,865
<b>Fuel burner/boiler malfunction, fire confined</b>						
# of Incidents	1	4	4	5	5	19
Dollar Loss	\$0	\$2,500	\$5,000	\$11,000	\$0	\$18,500
<b>Trash or rubbish fire, contained</b>						
# of Incidents	81	55	59	68	36	299
Dollar Loss	\$1,230	\$1,500	\$50	\$5,000	\$750	\$8,530
<b>Commercial Compactor fire, confined to rubbish</b>						
# of Incidents	1	0	0	0	0	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Incinerator overload or malfunction, fire confined</b>						
# of Incidents	0	2	1	0	0	3
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>494</b>	<b>472</b>	<b>484</b>	<b>529</b>	<b>453</b>	<b>2,432</b>
<b>Total Dollar Loss</b>	<b>\$12,024,118</b>	<b>\$7,950,418</b>	<b>\$9,396,911</b>	<b>\$9,946,196</b>	<b>\$9,278,680</b>	<b>\$48,596,323</b>

**Region 1 Fires by Property Use (Five-year total sorted by dollar loss)**

<b>Fires by Property Use</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Residential</b>						
# of Incidents	669	629	634	761	664	3,357
Dollar Loss	\$13,709,093	\$7,050,209	\$8,980,513	\$10,025,896	\$9,742,430	\$49,508,141
<b>Outside or Special Properties</b>						
# of Incidents	599	433	462	584	436	2,514
Dollar Loss	\$3,374,197	\$428,938	\$346,038	\$624,300	\$786,860	\$5,560,333
<b>Storage</b>						
# of Incidents	27	32	26	44	32	161
Dollar Loss	\$737,700	\$576,225	\$218,920	\$374,600	\$148,700	\$2,056,145
<b>Mercantile &amp; Business</b>						
# of Incidents	49	47	59	64	58	277
Dollar Loss	\$570,341	\$104,825	\$274,690	\$93,520	\$101,603	\$1,144,979
<b>Assembly</b>						
# of Incidents	37	35	25	32	32	161
Dollar Loss	\$10,265	\$401,500	\$4,520	\$56,900	\$33,200	\$506,385
<b>Health Care, Detention, &amp; Corrections</b>						
# of Incidents	10	5	13	13	10	51
Dollar Loss	\$200	\$40,000	\$4,525	\$100,000	\$500	\$145,225
<b>Educational Uses</b>						
# of Incidents	6	9	14	14	13	56
Dollar Loss	\$900	\$17,500	\$10,020	\$6,000	\$43,000	\$77,420
<b>Manufacturing &amp; Processing</b>						
# of Incidents	3	11	5	5	6	30
Dollar Loss	\$0	\$0	\$0	\$0	\$50,000	\$50,000
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>						
# of Incidents	35	16	23	33	29	136
Dollar Loss	\$0	\$350	\$22,000	\$4,000	\$500	\$26,850
<b>Other Property Uses</b>						
# of Incidents	20	20	13	16	8	77
Dollar Loss	\$0	\$0	\$4,500	\$0	\$0	\$4,500
<b>Undetermined</b>						
# of Incidents	5	4	6	9	6	30
Dollar Loss	\$0	\$0	\$0	\$0	\$1,500	\$1,500
<b>None</b>						
# of Incidents	1	2	5	3	4	15
Dollar Loss	\$0	\$1,100	\$0	\$0	\$0	\$1,100
<b>(blank)</b>						
# of Incidents	5	3	3	0	0	11
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>1,466</b>	<b>1,246</b>	<b>1,288</b>	<b>1,578</b>	<b>1,298</b>	<b>6,876</b>
<b>Total Dollar Loss</b>	<b>\$18,402,696</b>	<b>\$8,620,647</b>	<b>\$9,865,726</b>	<b>\$11,285,216</b>	<b>\$10,908,293</b>	<b>\$59,082,578</b>

**Region 1 Fire Incidents by Area of Origin (Five-year total sorted by dollar loss)**

<b>Area of Origin by Category</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Functional Areas</b>						
# of Incidents	191	178	173	189	165	896
Dollar Loss	\$3,982,585	\$1,764,827	\$1,658,376	\$1,941,899	\$2,490,400	\$11,838,087
<b>Storage Areas</b>						
# of Incidents	50	64	47	75	70	306
Dollar Loss	\$1,906,354	\$1,580,787	\$2,686,676	\$2,169,630	\$2,023,188	\$10,366,635
<b>Undetermined</b>						
# of Incidents	87	110	114	135	85	531
Dollar Loss	\$2,423,608	\$1,862,098	\$2,191,080	\$2,396,640	\$1,360,330	\$10,233,756
<b>Structural Areas</b>						
# of Incidents	60	71	69	82	81	363
Dollar Loss	\$3,455,840	\$1,519,464	\$775,885	\$2,756,376	\$1,009,120	\$9,516,685
<b>Areas of Groups of People (Assembly)</b>						
# of Incidents	20	13	22	32	21	108
Dollar Loss	\$1,057,526	\$741,012	\$1,008,339	\$579,300	\$1,977,000	\$5,363,177
<b>Service or Equipment Areas</b>						
# of Incidents	29	31	39	33	36	168
Dollar Loss	\$3,150,500	\$278,050	\$413,000	\$165,000	\$709,950	\$4,716,500
<b>Vehicle Areas</b>						
# of Incidents	180	153	147	180	190	850
Dollar Loss	\$693,563	\$543,553	\$449,728	\$648,620	\$1,017,414	\$3,352,878
<b>Outside Areas</b>						
# of Incidents	559	414	370	449	312	2,104
Dollar Loss	\$1,672,125	\$113,000	\$563,650	\$181,230	\$155,721	\$2,685,726
<b>(blank)</b>						
# of Incidents	184	121	193	303	261	1,062
Dollar Loss	\$17,295	\$28,976	\$13,152	\$240,021	\$154,742	\$454,186
<b>Other Areas of Origin</b>						
# of Incidents	94	79	102	82	70	427
Dollar Loss	\$0	\$111,630	\$78,820	\$65,300	\$4,428	\$260,178
<b>Means of Egress/Exit Access/Exit Areas</b>						
# of Incidents	9	10	10	17	6	52
Dollar Loss	\$43,300	\$2,250	\$7,020	\$141,200	\$6,000	\$199,770
<b>Technical Processing Areas</b>						
# of Incidents	3	2	2	1	1	9
Dollar Loss	\$0	\$75,000	\$20,000	\$0	\$0	\$95,000
<b>Total # of Incidents</b>	<b>1,466</b>	<b>1,246</b>	<b>1,288</b>	<b>1,578</b>	<b>1,298</b>	<b>6,876</b>
<b>Total Dollar Loss</b>	<b>\$18,402,696</b>	<b>\$8,620,647</b>	<b>\$9,865,726</b>	<b>\$11,285,216</b>	<b>\$10,908,293</b>	<b>\$59,082,578</b>

**Region 1 Fire Incidents by Heat Source (Five-year total sorted by dollar loss)**

<b>Heat Source Categories</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Undetermined</b>						
# of Incidents	491	409	396	514	413	2,223
Dollar Loss	\$8,980,700	\$3,626,684	\$5,552,292	\$6,066,336	\$5,278,760	\$29,504,772
<b>Operating Equipment</b>						
# of Incidents	261	256	253	283	230	1,283
Dollar Loss	\$6,057,380	\$1,983,252	\$1,893,137	\$2,052,333	\$2,318,925	\$14,305,027
<b>Open Flame or Smoking Material</b>						
# of Incidents	196	159	145	154	96	750
Dollar Loss	\$1,903,872	\$968,200	\$807,726	\$341,550	\$2,102,181	\$6,123,529
<b>Hot or Smoldering Object</b>						
# of Incidents	136	129	141	144	109	659
Dollar Loss	\$874,969	\$396,550	\$541,616	\$1,131,336	\$573,250	\$3,517,721
<b>Heat Spread from Another Fire</b>						
# of Incidents	50	58	41	41	52	242
Dollar Loss	\$131,445	\$832,485	\$524,143	\$588,840	\$133,800	\$2,210,713
<b>Heat Source Other</b>						
# of Incidents	69	76	80	89	83	397
Dollar Loss	\$53,050	\$199,500	\$311,590	\$461,000	\$147,100	\$1,172,240
<b>Explosives and Fireworks</b>						
# of Incidents	62	17	18	24	25	146
Dollar Loss	\$217,300	\$550,000	\$20,000	\$2,800	\$183,535	\$973,635
<b>Chemical or Natural</b>						
# of Incidents	15	18	19	23	24	99
Dollar Loss	\$86,685	\$20,000	\$202,070	\$401,000	\$15,500	\$725,255
<b>(blank)</b>						
# of Incidents	184	121	193	303	261	1,062
Dollar Loss	\$17,295	\$28,976	\$13,152	\$240,021	\$154,742	\$454,186
<b>Multiple Heat Sources</b>						
# of Incidents	2	3	2	3	5	15
Dollar Loss	\$80,000	\$15,000	\$0	\$0	\$500	\$95,500
<b>Total # of Incidents</b>	<b>1,466</b>	<b>1,246</b>	<b>1,288</b>	<b>1,578</b>	<b>1,298</b>	<b>6,876</b>
<b>Total Dollar Loss</b>	<b>\$18,402,696</b>	<b>\$8,620,647</b>	<b>\$9,865,726</b>	<b>\$11,285,216</b>	<b>\$10,908,293</b>	<b>\$59,082,578</b>

**Region 1 Fire Incidents by Cause of Ignition (Five-year total sorted by dollar loss)**

<b>Cause of Ignition</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Unintentional</b>						
# of Incidents	609	514	554	555	444	2,676
Dollar Loss	\$9,044,989	\$4,021,035	\$3,862,393	\$3,749,626	\$3,918,569	\$24,596,612
<b>Cause under investigation</b>						
# of Incidents	163	136	140	217	166	822
Dollar Loss	\$6,809,874	\$2,971,158	\$4,797,127	\$5,130,239	\$4,169,375	\$23,877,773
<b>Cause undetermined after investigation</b>						
# of Incidents	150	125	119	149	130	673
Dollar Loss	\$689,670	\$337,350	\$367,790	\$839,700	\$1,884,360	\$4,118,870
<b>Failure of equipment or heat source</b>						
# of Incidents	121	117	122	145	114	619
Dollar Loss	\$533,405	\$468,968	\$443,368	\$802,130	\$380,327	\$2,628,198
<b>Intentional</b>						
# of Incidents	198	191	137	172	140	838
Dollar Loss	\$959,994	\$70,120	\$309,896	\$439,600	\$265,000	\$2,044,610
<b>Cause, other (conversion and exposure 1 only)</b>						
# of Incidents	16	24	4	14	21	79
Dollar Loss	\$275,784	\$723,040	\$8,500	\$82,900	\$90,920	\$1,181,144
<b>(blank)</b>						
# of Incidents	184	121	193	303	262	1,063
Dollar Loss	\$17,295	\$28,976	\$13,152	\$240,021	\$154,742	\$454,186
<b>Act of nature</b>						
# of Incidents	25	18	19	23	21	106
Dollar Loss	\$71,685	\$0	\$63,500	\$1,000	\$45,000	\$181,185
<b>Total # of Incidents</b>	<b>1,466</b>	<b>1,246</b>	<b>1,288</b>	<b>1,578</b>	<b>1,298</b>	<b>6,876</b>
<b>Total Dollar Loss</b>	<b>\$18,402,696</b>	<b>\$8,620,647</b>	<b>\$9,865,726</b>	<b>\$11,285,216</b>	<b>\$10,908,293</b>	<b>\$59,082,578</b>

## REGION 1 2019 Reporting Summary

% of Region Reporting = 85%		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property & Contents Loss
<b>Clallam</b>	<b>% of County Reporting = 89%</b>	<b>15,327</b>	<b>10</b>	<b>108</b>	<b>15,445</b>	<b>\$ 265,970</b>
<b>05D01</b>	Clallam #1, Forks	175	0	1	176	\$ -
<b>05D02</b>	#2, Clallam 2 Fire-Rescue	1,557	0	94	1,651	\$ 1,000
<b>05D03</b>	Clallam #3, Sequim	7,646	0	4	7,650	\$ 210,000
<b>05D04</b>	Clallam #4, Joyce	246	0	2	248	\$ -
<b>05D05</b>	Clallam #5, Clallam Bay/Sekiu	157	0	0	157	\$ -
<b>05D06</b>	Clallam #6, Three Rivers	13	0	1	14	\$ -
<b>05M03</b>	Port Angeles Fire Dept	5,424	0	5	5,429	\$ 44,750
<b>05S03</b>	Quileute Fire Dept	0	0	0	0	\$ -
<b>05X01</b>	Neah Bay Vol Fire Dept	109	10	1	120	\$ 10,220
<b>Jefferson</b>	<b>% of County Reporting = 67%</b>	<b>5,929</b>	<b>0</b>	<b>668</b>	<b>6,597</b>	<b>\$ 609,700</b>
<b>16D01</b>	East Jefferson Fire & Rescue	4,413	0	112	4,525	\$ 166,350
<b>16D02</b>	Jefferson #2, Quilcene	300	0	177	477	\$ -
<b>16D03</b>	Jefferson #3, Port Ludlow	788	0	259	1,047	\$ 13,350
<b>16D04</b>	Jefferson #4, Brinnon	428	0	120	548	\$ 430,000
<b>16D05</b>	Jefferson #5, Discovery Bay	0	0	0	0	\$ -
<b>16D07</b>	Jefferson #7, Clearwater	0	0	0	0	\$ -
<b>Kitsap</b>	<b>% of County Reporting = 100%</b>	<b>37,351</b>	<b>11</b>	<b>1,818</b>	<b>39,180</b>	<b>\$ 9,878,338</b>
<b>18D01</b>	Central Kitsap Fire & Rescue	8,727	9	401	9,137	\$ 1,985,460
<b>18D02</b>	Kitsap #2, Bainbridge Island	3,217	0	44	3,261	\$ 1,749,100
<b>18D07</b>	South Kitsap Fire & Rescue	10,510	2	203	10,715	\$ 3,546,264
<b>18D10</b>	Kitsap #10 North Kitsap	3,205	0	160	3,365	\$ 346,000
<b>18M01</b>	Bremerton Fire Dept	8,050	0	555	8,605	\$ 1,993,911
<b>18M04</b>	Kitsap #18/City of Poulsbo	3,642	0	455	4,097	\$ 257,603
<b>Mason</b>	<b>% of County Reporting = 83%</b>	<b>12,573</b>	<b>0</b>	<b>3,287</b>	<b>15,860</b>	<b>\$ 428,800</b>
<b>23D01</b>	Mason #1, Hoodspport	0	0	0	0	\$ -
<b>23D02</b>	N. Mason Regional Fire Authority	2,382	0	27	2,409	\$ 1,500
<b>23D03</b>	Mason #3, Grapeview	414	0	265	679	\$ -
<b>23D04</b>	Mason #4 Arcadia/Kamilche	1,309	0	99	1,408	\$ -
<b>23D05</b>	Mason #5, Central Mason	6,609	0	1,913	8,522	\$ 267,300
<b>23D06</b>	Mason #6, Union	255	0	90	345	\$ 100,000
<b>23D11</b>	Mason #11, Shelton	351	0	593	944	\$ -
<b>23D12</b>	Mason #12	0	0	0	0	\$ -
<b>23D13</b>	Mason #13, Elma	182	0	21	203	\$ -
<b>23D16</b>	Mason #16, Dayton	617	0	95	712	\$ 60,000
<b>23D17</b>	Mason #17, Lilliwaup/Eldon	111	0	18	129	\$ -
<b>23D18</b>	Mason #18, Lake Cushman	343	0	166	509	\$ -
<b>REGION 1 TOTALS</b>		<b>71,180</b>	<b>21</b>	<b>5,881</b>	<b>77,082</b>	<b>\$ 11,182,808</b>

## Region 2

Region 2 is comprised of Grays Harbor, Pacific, and Thurston counties. In 2019, 65% of the fire service agencies in this region reported NFIRS data to the SFMO. Below is a table summarizing the incidents that have been reported over the past five years.



### Five-Year Incident Type Summary

Incident Type Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Fire</b>						
# of Incidents	1,344	1,244	1,391	1,560	1,414	6,953
Dollar Loss	\$5,885,935	\$7,206,478	\$7,262,098	\$9,010,059	\$10,158,804	\$39,523,374
<b>Rescue and Emergency Medical Service</b>						
# of Incidents	31,368	34,625	40,229	45,234	48,585	200,041
Dollar Loss	\$525,918	\$16,500	\$108,900	\$0	\$40,000	\$691,318
<b>Hazardous Conditions (No Fire)</b>						
# of Incidents	698	651	749	633	808	3,539
Dollar Loss	\$300	\$5,700	\$100	\$19,500	\$75,750	\$101,350
<b>False Alarms &amp; False Calls</b>						
# of Incidents	2,112	2,117	2,214	2,346	2,471	11,260
Dollar Loss	\$0	\$0	\$77,000	\$0	\$0	\$77,000
<b>Severe Weather &amp; Natural Disaster</b>						
# of Incidents	39	6	20	21	17	103
Dollar Loss	\$65,000	\$0	\$0	\$0	\$0	\$65,000
<b>Service Calls</b>						
# of Incidents	3,186	3,047	3,643	3,987	4,273	18,136
Dollar Loss	\$2,500	\$30,000	\$0	\$0	\$2,001	\$34,501
<b>Good Intent Calls</b>						
# of Incidents	4,154	4,135	4,920	5,487	6,094	24,790
Dollar Loss	\$350	\$150	\$0	\$0	\$0	\$500
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
# of Incidents	26	19	29	19	30	123
Dollar Loss	\$0	\$0	\$100	\$0	\$0	\$100
<b>Other Types of Incidents</b>						
# of Incidents	68	65	100	101	79	413
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Undetermined incident type</b>						
# of Incidents	0	0	0	4	0	4
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>42,995</b>	<b>45,909</b>	<b>53,295</b>	<b>59,392</b>	<b>63,771</b>	<b>265,362</b>
<b>Total Dollar Loss</b>	<b>\$6,480,003</b>	<b>\$7,258,828</b>	<b>\$7,448,198</b>	<b>\$9,029,559</b>	<b>\$10,276,555</b>	<b>\$40,493,143</b>

## Region 2 Fire Incidents

Over the past five years, 6,953 fire incidents, resulting in more than \$39 million in property and content loss, have been reported by fire service agencies in Region 2. Structure fires, including confined fires, accounted for 33% of the five-year total and 92% of the dollar loss to property and content.

### Region 2 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category	2015	2016	2017	2018	2019	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	412	458	458	528	495	2,351
Dollar Loss	\$5,488,997	\$6,550,443	\$6,850,629	\$8,310,198	\$9,439,897	\$36,640,164
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	157	170	177	178	163	845
Dollar Loss	\$314,027	\$388,600	\$310,315	\$454,650	\$396,971	\$1,864,563
<b>Fixed Mobile Property Fires</b>						
# of Incidents	11	24	18	28	30	111
Dollar Loss	\$47,051	\$245,400	\$52,500	\$190,000	\$309,662	\$844,613
<b>Natural Vegetation Fires</b>						
# of Incidents	500	376	438	515	433	2,262
Dollar Loss	\$17,505	\$13,350	\$8,553	\$24,181	\$342	\$63,931
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	35	24	41	39	69	208
Dollar Loss	\$8,300	\$6,780	\$7,001	\$24,590	\$5,652	\$52,323
<b>Fire, other</b>						
# of Incidents	64	64	81	66	54	329
Dollar Loss	\$8,525	\$1,355	\$28,200	\$100	\$3,250	\$41,430
<b>Outside Rubbish Fires</b>						
# of Incidents	163	125	175	201	167	831
Dollar Loss	\$1,530	\$550	\$4,900	\$6,340	\$3,030	\$16,350
<b>Cultivated Vegetation Fires</b>						
# of Incidents	2	3	3	5	2	15
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Structure fire, other (conversion only)</b>						
# of Incidents	0	0	0	0	1	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>1,344</b>	<b>1,244</b>	<b>1,391</b>	<b>1,560</b>	<b>1,414</b>	<b>6,953</b>
<b>Total Dollar Loss</b>	<b>\$5,885,935</b>	<b>\$7,206,478</b>	<b>\$7,262,098</b>	<b>\$9,010,059</b>	<b>\$10,158,804</b>	<b>\$39,523,374</b>

**Region 2 Structure Fires by Type (Five-year total sorted by dollar loss)**

<b>Structure Fires (including confined fires)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Building fires</b>						
# of Incidents	202	215	218	269	250	1,154
Dollar Loss	\$5,459,762	\$6,494,031	\$6,765,869	\$8,256,567	\$9,415,317	\$36,391,546
<b>Fires in structures other than in a building</b>						
# of Incidents	9	18	12	11	11	61
Dollar Loss	\$5,500	\$45,100	\$54,850	\$1,000	\$3,500	\$109,950
<b>Cooking fire, confined to container</b>						
# of Incidents	76	90	60	82	81	389
Dollar Loss	\$20,735	\$5,612	\$17,060	\$29,110	\$20,580	\$93,097
<b>Trash or rubbish fire, contained</b>						
# of Incidents	53	57	89	96	76	371
Dollar Loss	\$0	\$3,700	\$11,850	\$16,622	\$0	\$32,172
<b>Chimney or flue fire, confined to chimney or flue</b>						
# of Incidents	65	73	71	64	72	345
Dollar Loss	\$3,000	\$1,000	\$1,000	\$1,500	\$500	\$7,000
<b>Commercial Compactor fire, confined to rubbish</b>						
# of Incidents	0	0	4	1	2	7
Dollar Loss	\$0	\$0	\$0	\$4,999	\$0	\$4,999
<b>Fuel burner/boiler malfunction, fire confined</b>						
# of Incidents	6	4	4	5	3	22
Dollar Loss	\$0	\$1,000	\$0	\$400	\$0	\$1,400
<b>Incinerator overload or malfunction, fire confined</b>						
# of Incidents	1	1	0	0	0	2
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Structure fire, other (conversion only)</b>						
# of Incidents	0	0	0	0	1	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>412</b>	<b>458</b>	<b>458</b>	<b>528</b>	<b>496</b>	<b>2,352</b>
<b>Total Dollar Loss</b>	<b>\$5,488,997</b>	<b>\$6,550,443</b>	<b>\$6,850,629</b>	<b>\$8,310,198</b>	<b>\$9,439,897</b>	<b>\$36,640,164</b>

**Region 2 Fires by Property Use (Five-year total sorted by dollar loss)**

<b>Fires by Property Use</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Residential</b>						
# of Incidents	589	585	611	669	619	3,073
Dollar Loss	\$4,511,107	\$5,591,398	\$5,525,591	\$6,297,914	\$8,663,027	\$30,589,037
<b>Assembly</b>						
# of Incidents	27	39	26	40	30	162
Dollar Loss	\$30,500	\$8,030	\$31,270	\$1,636,525	\$458,513	\$2,164,838
<b>Manufacturing &amp; Processing</b>						
# of Incidents	8	9	18	12	8	55
Dollar Loss	\$601,000	\$931,500	\$517,500	\$29,999	\$10,000	\$2,089,999
<b>Outside or Special Properties</b>						
# of Incidents	576	478	588	690	594	2,926
Dollar Loss	\$288,417	\$279,100	\$344,929	\$496,240	\$312,193	\$1,720,879
<b>Storage</b>						
# of Incidents	21	28	27	27	36	139
Dollar Loss	\$313,126	\$227,200	\$660,400	\$68,150	\$339,250	\$1,608,126
<b>Mercantile &amp; Business</b>						
# of Incidents	49	49	61	62	58	279
Dollar Loss	\$110,225	\$73,750	\$104,405	\$443,510	\$365,271	\$1,097,161
<b>Health Care, Detention, &amp; Corrections</b>						
# of Incidents	14	12	11	7	6	50
Dollar Loss	\$16,460	\$11,500	\$46,500	\$15,700	\$0	\$90,160
<b>Undetermined</b>						
# of Incidents	1	4	5	1	5	16
Dollar Loss	\$0	\$71,000	\$2	\$0	\$0	\$71,002
<b>Educational Uses</b>						
# of Incidents	12	4	5	9	10	40
Dollar Loss	\$15,100	\$0	\$0	\$7,020	\$10,550	\$32,670
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>						
# of Incidents	27	20	20	31	36	134
Dollar Loss	\$0	\$13,000	\$16,001	\$3,001	\$0	\$32,002
<b>Other Property Uses</b>						
# of Incidents	9	7	14	6	8	44
Dollar Loss	\$0	\$0	\$15,000	\$12,000	\$0	\$27,000
<b>None</b>						
# of Incidents	6	8	5	6	3	28
Dollar Loss	\$0	\$0	\$500	\$0	\$0	\$500
<b>(blank)</b>						
# of Incidents	5	1	0	0	1	7
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>1,344</b>	<b>1,244</b>	<b>1,391</b>	<b>1,560</b>	<b>1,414</b>	<b>6,953</b>
<b>Total Dollar Loss</b>	<b>\$5,885,935</b>	<b>\$7,206,478</b>	<b>\$7,262,098</b>	<b>\$9,010,059</b>	<b>\$10,158,804</b>	<b>\$39,523,374</b>

**Region 2 Fire Incidents by Area of Origin (Five-year total sorted by dollar loss)**

<b>Area of Origin by Category</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Functional Areas</b>						
# of Incidents	156	145	146	180	147	774
Dollar Loss	\$2,038,388	\$1,450,692	\$1,986,501	\$2,067,337	\$1,935,773	\$9,478,691
<b>Structural Areas</b>						
# of Incidents	51	70	87	70	71	349
Dollar Loss	\$1,326,369	\$1,092,869	\$1,815,453	\$849,040	\$2,256,900	\$7,340,631
<b>Undetermined</b>						
# of Incidents	108	96	151	192	172	719
Dollar Loss	\$525,002	\$1,394,730	\$247,250	\$2,286,450	\$1,226,000	\$5,679,432
<b>Storage Areas</b>						
# of Incidents	45	50	57	48	55	255
Dollar Loss	\$327,287	\$1,079,200	\$1,634,100	\$1,204,000	\$542,592	\$4,787,179
<b>Areas of Groups of People (Assembly)</b>						
# of Incidents	15	15	15	30	14	89
Dollar Loss	\$295,975	\$385,325	\$426,600	\$1,130,800	\$720,800	\$2,959,500
<b>Outside Areas</b>						
# of Incidents	399	316	387	455	420	1,977
Dollar Loss	\$280,844	\$296,300	\$146,876	\$312,860	\$1,398,095	\$2,434,975
<b>Means of Egress/Exit Access/Exit Areas</b>						
# of Incidents	13	24	9	19	24	89
Dollar Loss	\$6,525	\$548,500	\$45,750	\$497,300	\$888,632	\$1,986,707
<b>Vehicle Areas</b>						
# of Incidents	143	146	148	151	141	729
Dollar Loss	\$362,025	\$349,300	\$243,665	\$448,200	\$582,970	\$1,986,160
<b>Service or Equipment Areas</b>						
# of Incidents	33	30	37	31	36	167
Dollar Loss	\$97,150	\$278,450	\$670,500	\$39,399	\$425,500	\$1,510,999
<b>Technical Processing Areas</b>						
# of Incidents	3	2	2	1	3	11
Dollar Loss	\$600,000	\$11,000	\$7,000	\$0	\$500	\$618,500
<b>(blank)</b>						
# of Incidents	338	284	300	319	265	1,506
Dollar Loss	\$26,220	\$318,112	\$38,403	\$42,973	\$7,542	\$433,250
<b>Other Areas of Origin</b>						
# of Incidents	40	66	52	64	66	288
Dollar Loss	\$150	\$2,000	\$0	\$131,700	\$173,500	\$307,350
<b>Total # of Incidents</b>	<b>1,344</b>	<b>1,244</b>	<b>1,391</b>	<b>1,560</b>	<b>1,414</b>	<b>6,953</b>
<b>Total Dollar Loss</b>	<b>\$5,885,935</b>	<b>\$7,206,478</b>	<b>\$7,262,098</b>	<b>\$9,010,059</b>	<b>\$10,158,804</b>	<b>\$39,523,374</b>

**Region 2 Fire Incidents by Heat Source (Five-year total sorted by dollar loss)**

<b>Heat Source Categories</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Undetermined</b>						
# of Incidents	424	410	485	568	485	2,372
Dollar Loss	\$2,725,114	\$4,664,266	\$3,421,639	\$5,503,354	\$5,503,599	\$21,817,972
<b>Operating Equipment</b>						
# of Incidents	220	201	183	228	200	1,032
Dollar Loss	\$2,157,345	\$1,034,935	\$2,145,456	\$2,085,799	\$3,113,831	\$10,537,366
<b>Hot or Smoldering Object</b>						
# of Incidents	117	97	123	136	150	623
Dollar Loss	\$104,386	\$377,600	\$119,260	\$923,410	\$355,580	\$1,880,236
<b>Open Flame or Smoking Material</b>						
# of Incidents	128	144	158	159	170	759
Dollar Loss	\$462,945	\$398,790	\$441,351	\$143,250	\$182,700	\$1,629,036
<b>Heat Spread from Another Fire</b>						
# of Incidents	27	28	40	44	34	173
Dollar Loss	\$231,525	\$90,800	\$169,389	\$78,290	\$537,500	\$1,107,504
<b>Chemical or Natural</b>						
# of Incidents	10	6	10	8	17	51
Dollar Loss	\$0	\$147,000	\$572,000	\$27,000	\$251,000	\$997,000
<b>Heat Source Other</b>						
# of Incidents	46	51	63	63	70	293
Dollar Loss	\$7,900	\$174,925	\$346,600	\$59,500	\$207,050	\$795,975
<b>(blank)</b>						
# of Incidents	338	284	300	319	265	1,506
Dollar Loss	\$26,220	\$318,112	\$38,403	\$42,973	\$7,542	\$433,250
<b>Explosives and Fireworks</b>						
# of Incidents	31	22	28	33	21	135
Dollar Loss	\$20,500	\$50	\$8,000	\$146,483	\$2	\$175,035
<b>Multiple Heat Sources</b>						
# of Incidents	3	1	1	2	2	9
Dollar Loss	\$150,000	\$0	\$0	\$0	\$0	\$150,000
<b>Total # of Incidents</b>	<b>1,344</b>	<b>1,244</b>	<b>1,391</b>	<b>1,560</b>	<b>1,414</b>	<b>6,953</b>
<b>Total Dollar Loss</b>	<b>\$5,885,935</b>	<b>\$7,206,478</b>	<b>\$7,262,098</b>	<b>\$9,010,059</b>	<b>\$10,158,804</b>	<b>\$39,523,374</b>

**Region 2 Fire Incidents by Cause of Ignition (Five-year total sorted by dollar loss)**

<b>Cause of Ignition</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Unintentional</b>						
# of Incidents	495	454	457	585	550	2,541
Dollar Loss	\$2,580,064	\$1,654,431	\$3,124,871	\$2,251,964	\$3,313,023	\$12,924,353
<b>Cause under investigation</b>						
# of Incidents	79	81	93	108	118	479
Dollar Loss	\$1,306,350	\$984,020	\$1,785,112	\$3,056,800	\$3,515,489	\$10,647,771
<b>Cause undetermined after investigation</b>						
# of Incidents	174	168	194	198	176	910
Dollar Loss	\$1,616,811	\$2,042,665	\$1,380,677	\$1,314,949	\$1,564,400	\$7,919,502
<b>Failure of equipment or heat source</b>						
# of Incidents	136	119	148	134	125	662
Dollar Loss	\$326,845	\$859,000	\$629,035	\$618,800	\$1,500,450	\$3,934,130
<b>Intentional</b>						
# of Incidents	108	123	180	201	156	768
Dollar Loss	\$29,645	\$1,342,250	\$209,500	\$1,704,533	\$96,400	\$3,382,328
<b>(blank)</b>						
# of Incidents	338	284	300	319	265	1,506
Dollar Loss	\$26,220	\$318,112	\$38,403	\$42,973	\$7,542	\$433,250
<b>Cause, other (conversion and exposure 1 only)</b>						
# of Incidents	0	1	5	4	8	18
Dollar Loss	\$0	\$6,000	\$22,500	\$8,040	\$161,500	\$198,040
<b>Act of nature</b>						
# of Incidents	14	14	14	11	16	69
Dollar Loss	\$0	\$0	\$72,000	\$12,000	\$0	\$84,000
<b>Total # of Incidents</b>	<b>1,344</b>	<b>1,244</b>	<b>1,391</b>	<b>1,560</b>	<b>1,414</b>	<b>6,953</b>
<b>Total Dollar Loss</b>	<b>\$5,885,935</b>	<b>\$7,206,478</b>	<b>\$7,262,098</b>	<b>\$9,010,059</b>	<b>\$10,158,804</b>	<b>\$39,523,374</b>

## REGION 2 2019 Reporting Summary

% of Region Reporting = 65%		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property & Contents Loss
<b>Grays Harbor</b>	<b>% of County Reporting = 62%</b>	<b>16,578</b>	<b>3</b>	<b>2,072</b>	<b>18,649</b>	<b>\$ 2,822,824</b>
14D01	Grays Harbor #1, Oakville	469	0	0	469	\$ -
14D02	Grays Harbor #2, Central Park	1,334	0	41	1,375	\$ 11,500
14D04	Grays Harbor #4, Quinault/Amanda Park	0	0	0	0	\$ -
14D05	Grays Harbor #5, Elma/Satsop	1,271	0	1,002	2,273	\$ 514,300
14D06	Grays Harbor #6, N. Hoquiam	0	0	0	0	\$ -
14D07	Grays Harbor #7, Copalis Beach	430	0	181	611	\$ -
14D08	Grays Harbor #8, Pacific Beach	0	0	0	0	\$ -
14D10	Grays Harbor #10, Wishkah	17	0	3	20	\$ 385,500
14D12	Grays Harbor #12	0	0	0	0	\$ -
14D15	Grays Harbor #15, Arctic	0	0	0	0	\$ -
14D16	Grays Harbor #16, Copalis Crossing	0	0	0	0	\$ -
14D17	Grays Harbor #17, Humptulips/Axford	0	0	0	0	\$ -
14M01	Aberdeen Fire Department	4,946	3	43	4,992	\$ 1,054,343
14M02	Cosmopolis Fire Dept	4	0	0	0	\$ -
14M03	City Of Elma Fire Dept	169	0	37	206	\$ -
14M04	Hoquiam Fire Dept	2,875	0	528	3,403	\$ 141,480
14M05	McCleary FD	93	0	7	100	\$ 5,700
14M06	Montesano Fire Dept	1,213	0	9	1,222	\$ -
14M08	Ocean Shores Fire Department	2,153	0	219	2,372	\$ 710,001
14M09	South Beach Regional Fire Authority	1,604	0	2	1,606	\$ -
14X01	Quinault Indian Nation Fire Dept	0	0	0	0	\$ -
<b>Pacific</b>	<b>% of County Reporting = 40%</b>	<b>4,418</b>	<b>0</b>	<b>53</b>	<b>4,471</b>	<b>\$ 950,000</b>
25D01	Pacific #1, Ocean Park	2,602	0	51	2,653	\$ 144,500
25D02	Pacific #2, Chinook	0	0	0	0	\$ -
25D03	Pacific #3	58	0	0	58	\$ 527,500
25D04	Pacific #4, Naselle	0	0	0	0	\$ -
25D06	Pacific #6, Bay Center	0	0	0	0	\$ -
25D07	Pacific #7, Nemah	0	0	0	0	\$ -
25M01	Ilwaco Fire Dept	218	0	2	220	\$ 87,500
25M02	Long Beach Fire Dept	0	0	0	0	\$ -
25M03	Raymond Fire Dept	1,540	0	0	1,540	\$ 190,500
25M04	South Bend Fire Dept	0	0	0	0	\$ -
<b>Thurston</b>	<b>% of County Reporting = 92%</b>	<b>42,775</b>	<b>4</b>	<b>1,867</b>	<b>44,646</b>	<b>\$ 6,503,431</b>
34D01	West Thurston RFA	2,977	0	143	3,120	\$ -
34D02	SE Thurston Fire Authority	3,698	0	36	3,734	\$ -
34D03	Lacey Fire District 3	12,531	4	145	12,680	\$ 3,586,906
34D06	Thurston #6, East Olympia	988	0	203	1,191	\$ -
34D08	Thurston #8, South Bay	1,032	0	174	1,206	\$ 15,000
34D09	McLane/Blake Lake Fire Departm	1,555	0	565	2,120	\$ 185,800
34D12	Thurston #12, S. Thurston Fire	1,047	0	120	1,167	\$ -
34D13	Thurston #13, Griffin	493	0	53	546	\$ -
34D17	Thurston #17, Bald Hills	340	0	156	496	\$ 1,700
34M01	Bucoda Volunteer Fire Dept	0	0	0	0	\$ -
34M02	Olympia Fire Dept	12,776	0	227	13,003	\$ 1,538,425
34M04	Tumwater Fire Dept	5,338	0	45	5,383	\$ 1,175,600
<b>REGION 2 TOTALS</b>		<b>63,771</b>	<b>7</b>	<b>3,992</b>	<b>67,766</b>	<b>\$ 10,276,255</b>

### Region 3

Region 3 is comprised of Island, San Juan, Skagit, and Whatcom counties. In 2019, 85% of the fire service agencies in this region reported NFIRS data to the SFMO. Below is a table summarizing the incidents that have been reported over the past five years.



#### Five-Year Incident Type Summary

Incident Type Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Fire</b>						
# of Incidents	1,553	1,137	1,068	1,526	1,572	6,856
Dollar Loss	\$11,554,441	\$12,149,828	\$5,804,092	\$13,336,334	\$16,039,574	\$58,884,269
<b>Service Calls</b>						
# of Incidents	2,995	3,091	3,274	3,836	3,029	16,225
Dollar Loss	\$30,500	\$12,500	\$45,000	\$48,000	\$145,000	\$281,000
<b>Other Types of Incidents</b>						
# of Incidents	220	260	339	373	393	1,585
Dollar Loss	\$0	\$0	\$0	\$1,500	\$185,000	\$186,500
<b>Rescue and Emergency Medical Service</b>						
# of Incidents	26,612	25,902	25,113	39,089	41,762	158,478
Dollar Loss	\$5,100	\$10,050	\$7,000	\$25,300	\$0	\$47,450
<b>Hazardous Conditions (No Fire)</b>						
# of Incidents	1,332	1,171	950	1,248	1,112	5,813
Dollar Loss	\$4,050	\$27,500	\$1,500	\$650	\$1,050	\$34,750
<b>False Alarms &amp; False Calls</b>						
# of Incidents	2,109	1,854	1,685	2,567	2,662	10,877
Dollar Loss	\$0	\$5,001	\$0	\$3,000	\$1,000	\$9,001
<b>Good Intent Calls</b>						
# of Incidents	2,622	2,409	2,377	3,555	5,048	16,011
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Severe Weather &amp; Natural Disaster</b>						
# of Incidents	251	182	127	161	55	776
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
# of Incidents	33	29	29	32	29	152
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Undetermined incident type</b>						
# of Incidents	0	0	0	1	8	9
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>37,727</b>	<b>36,035</b>	<b>34,962</b>	<b>52,388</b>	<b>55,670</b>	<b>216,782</b>
<b>Total Dollar Loss</b>	<b>\$11,594,091</b>	<b>\$12,204,879</b>	<b>\$5,857,592</b>	<b>\$13,414,784</b>	<b>\$16,371,624</b>	<b>\$59,442,970</b>

### Region 3 Fire Incidents

Over the past five years, 6,856 fire incidents, resulting in more than \$58 million in property and content loss, have been reported by fire service agencies in Region 3. Structure fires, including confined fires, accounted for nearly 30% of the five-year total and 89% of the dollar loss to property and content.

#### Region 3 Fire Incidents by Type (Five-year total sorted by dollar loss)

Fire Incidents by Category	2015	2016	2017	2018	2019	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	426	372	364	464	482	2,108
Dollar Loss	\$10,412,159	\$11,450,638	\$4,550,697	\$12,642,342	\$13,917,938	\$52,973,774
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	173	167	150	208	189	887
Dollar Loss	\$319,261	\$519,778	\$1,061,595	\$549,470	\$909,707	\$3,359,811
<b>Fixed Mobile Property Fires</b>						
# of Incidents	25	19	19	17	31	111
Dollar Loss	\$698,300	\$141,400	\$137,200	\$95,650	\$217,652	\$1,290,202
<b>Natural Vegetation Fires</b>						
# of Incidents	541	309	319	441	444	2,054
Dollar Loss	\$28,971	\$13,156	\$2,500	\$8,550	\$910,160	\$963,337
<b>Fire, other</b>						
# of Incidents	115	65	73	96	105	454
Dollar Loss	\$37,980	\$10,600	\$40,600	\$20,260	\$67,620	\$177,060
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	59	30	32	63	55	239
Dollar Loss	\$57,600	\$13,350	\$5,800	\$0	\$10,602	\$87,352
<b>Outside Rubbish Fires</b>						
# of Incidents	208	168	106	232	262	976
Dollar Loss	\$170	\$904	\$5,700	\$20,062	\$5,895	\$32,731
<b>Cultivated Vegetation Fires</b>						
# of Incidents	6	7	5	5	4	27
Dollar Loss	\$0	\$2	\$0	\$0	\$0	\$2
<b>Total # of Incidents</b>	<b>1,553</b>	<b>1,137</b>	<b>1,068</b>	<b>1,526</b>	<b>1,572</b>	<b>6,856</b>
<b>Total Dollar Loss</b>	<b>\$11,554,441</b>	<b>\$12,149,828</b>	<b>\$5,804,092</b>	<b>\$13,336,334</b>	<b>\$16,039,574</b>	<b>\$58,884,269</b>

**Region 3 Structure Fires by Type (Five-year total sorted by dollar loss)**

<b>Structure Fires (including confined fires)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Building fires</b>						
# of Incidents	223	198	180	216	257	1,074
Dollar Loss	\$10,361,883	\$9,833,259	\$4,529,947	\$12,602,924	\$13,831,178	\$51,159,191
<b>Fires in structures other than in a building</b>						
# of Incidents	11	12	10	13	12	58
Dollar Loss	\$24,901	\$1,510,002	\$12,500	\$4,150	\$43,400	\$1,594,953
<b>Cooking fire, confined to container</b>						
# of Incidents	88	56	51	120	90	405
Dollar Loss	\$18,000	\$58,550	\$4,750	\$26,718	\$38,910	\$146,928
<b>Commercial Compactor fire, confined to rubbish</b>						
# of Incidents	2	1	0	2	0	5
Dollar Loss	\$0	\$37,000	\$0	\$5,000	\$0	\$42,000
<b>Chimney or flue fire, confined to chimney or flue</b>						
# of Incidents	52	66	76	63	63	320
Dollar Loss	\$2,000	\$8,550	\$2,000	\$1,200	\$2,000	\$15,750
<b>Trash or rubbish fire, contained</b>						
# of Incidents	46	36	40	46	53	221
Dollar Loss	\$5,375	\$3,277	\$1,500	\$1,550	\$2,450	\$14,152
<b>Fuel burner/boiler malfunction, fire confined</b>						
# of Incidents	3	3	6	4	6	22
Dollar Loss	\$0	\$0	\$0	\$800	\$0	\$800
<b>Incinerator overload or malfunction, fire confined</b>						
# of Incidents	1	0	1	0	1	3
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>426</b>	<b>372</b>	<b>364</b>	<b>464</b>	<b>482</b>	<b>2,108</b>
<b>Total Dollar Loss</b>	<b>\$10,412,159</b>	<b>\$11,450,638</b>	<b>\$4,550,697</b>	<b>\$12,642,342</b>	<b>\$13,917,938</b>	<b>\$52,973,774</b>

**Region 3 Fire Incidents by Property Use (Five-year total sorted by dollar loss)**

<b>Fires by Property Use</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Residential</b>						
# of Incidents	697	552	517	735	807	3,308
Dollar Loss	\$7,095,483	\$3,038,323	\$4,020,442	\$3,571,064	\$12,619,105	\$30,344,417
<b>Manufacturing &amp; Processing</b>						
# of Incidents	13	9	14	8	17	61
Dollar Loss	\$1,085,000	\$957,003	\$4,000	\$6,509,000	\$942,500	\$9,497,503
<b>Mercantile &amp; Business</b>						
# of Incidents	50	42	35	48	67	242
Dollar Loss	\$233,250	\$5,590,007	\$300,400	\$1,858,750	\$1,350,100	\$9,332,507
<b>Outside or Special Properties</b>						
# of Incidents	627	431	388	587	538	2,571
Dollar Loss	\$277,788	\$1,723,162	\$162,350	\$494,756	\$698,915	\$3,356,971
<b>Assembly</b>						
# of Incidents	38	19	31	34	25	147
Dollar Loss	\$2,224,770	\$15,491	\$41,500	\$289,510	\$69,700	\$2,640,971
<b>Storage</b>						
# of Incidents	41	25	32	32	44	174
Dollar Loss	\$589,600	\$557,240	\$709,750	\$396,101	\$322,802	\$2,575,493
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>						
# of Incidents	30	31	31	40	38	170
Dollar Loss	\$22,500	\$107,500	\$490,000	\$175,001	\$30,052	\$825,053
<b>Other Property Uses</b>						
# of Incidents	16	15	6	12	15	64
Dollar Loss	\$13,000	\$160,000	\$0	\$20,000	\$4,200	\$197,200
<b>Undetermined</b>						
# of Incidents	12	2	2	4	4	24
Dollar Loss	\$0	\$0	\$50,000	\$0	\$0	\$50,000
<b>Educational Uses</b>						
# of Incidents	14	4	5	9	8	40
Dollar Loss	\$1,000	\$102	\$22,050	\$3,002	\$2,200	\$28,354
<b>None</b>						
# of Incidents	5	1	3	8	4	21
Dollar Loss	\$2,000	\$0	\$3,600	\$16,650	\$0	\$22,250
<b>Health Care, Detention, &amp; Corrections</b>						
# of Incidents	10	6	4	9	5	34
Dollar Loss	\$10,050	\$1,000	\$0	\$2,500	\$0	\$13,550
<b>Total # of Incidents</b>	<b>1,553</b>	<b>1,137</b>	<b>1,068</b>	<b>1,526</b>	<b>1,572</b>	<b>6,856</b>
<b>Total Dollar Loss</b>	<b>\$11,554,441</b>	<b>\$12,149,828</b>	<b>\$5,804,092</b>	<b>\$13,336,334</b>	<b>\$16,039,574</b>	<b>\$58,884,269</b>

**Region 3 Fire Incidents by Area of Origin (Five-year total sorted by dollar loss)**

<b>Area of Origin by Category</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Storage Areas</b>						
# of Incidents	46	36	44	30	56	212
Dollar Loss	\$3,966,081	\$6,245,179	\$358,350	\$1,201,450	\$910,014	\$12,681,074
<b>Functional Areas</b>						
# of Incidents	135	107	103	132	120	597
Dollar Loss	\$2,168,182	\$1,541,156	\$1,662,567	\$1,619,954	\$1,256,350	\$8,248,209
<b>Structural Areas</b>						
# of Incidents	44	42	36	61	62	245
Dollar Loss	\$1,862,100	\$448,404	\$756,250	\$397,000	\$4,086,180	\$7,549,934
<b>Means of Egress/Exit Access/Exit Areas</b>						
# of Incidents	8	6	12	12	9	47
Dollar Loss	\$179,750	\$165,500	\$56,050	\$6,531,500	\$81,500	\$7,014,300
<b>Undetermined</b>						
# of Incidents	118	127	99	122	177	643
Dollar Loss	\$535,200	\$655,900	\$578,200	\$1,329,271	\$2,471,734	\$5,570,305
<b>Service or Equipment Areas</b>						
# of Incidents	29	32	27	23	33	144
Dollar Loss	\$227,500	\$1,817,002	\$408,100	\$1,253,000	\$1,443,002	\$5,148,604
<b>Areas of Groups of People (Assembly)</b>						
# of Incidents	24	12	18	20	33	107
Dollar Loss	\$1,264,700	\$42,725	\$136,000	\$237,800	\$3,262,603	\$4,943,828
<b>Vehicle Areas</b>						
# of Incidents	158	131	112	172	145	718
Dollar Loss	\$557,309	\$328,676	\$969,395	\$350,610	\$1,027,904	\$3,233,894
<b>Outside Areas</b>						
# of Incidents	460	253	292	312	351	1,668
Dollar Loss	\$737,200	\$427,895	\$433,500	\$182,398	\$236,447	\$2,017,440
<b>Other Areas of Origin</b>						
# of Incidents	53	33	52	51	58	247
Dollar Loss	\$3,103	\$156,802	\$429,930	\$13,600	\$1,222,620	\$1,826,055
<b>(blank)</b>						
# of Incidents	477	357	270	589	526	2,219
Dollar Loss	\$53,316	\$320,589	\$9,750	\$44,751	\$40,720	\$469,126
<b>Technical Processing Areas</b>						
# of Incidents	1	1	3	2	2	9
Dollar Loss	\$0	\$0	\$6,000	\$175,000	\$500	\$181,500
<b>Total # of Incidents</b>	<b>1,553</b>	<b>1,137</b>	<b>1,068</b>	<b>1,526</b>	<b>1,572</b>	<b>6,856</b>
<b>Total Dollar Loss</b>	<b>\$11,554,441</b>	<b>\$12,149,828</b>	<b>\$5,804,092</b>	<b>\$13,336,334</b>	<b>\$16,039,574</b>	<b>\$58,884,269</b>

**Region 3 Fire Incidents by Heat Source (Five-year total sorted by dollar loss)**

<b>Heat Source Categories</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Undetermined</b>						
# of Incidents	419	327	347	398	439	1,930
Dollar Loss	\$2,940,534	\$3,274,508	\$2,874,192	\$3,061,095	\$8,594,250	\$20,744,579
<b>Operating Equipment</b>						
# of Incidents	222	193	173	183	219	990
Dollar Loss	\$4,191,783	\$2,235,583	\$1,683,200	\$2,753,050	\$4,135,583	\$14,999,199
<b>Open Flame or Smoking Material</b>						
# of Incidents	130	80	75	82	132	499
Dollar Loss	\$1,210,102	\$283,491	\$269,000	\$7,017,323	\$972,104	\$9,752,020
<b>Hot or Smoldering Object</b>						
# of Incidents	117	73	77	112	98	477
Dollar Loss	\$1,481,252	\$5,683,555	\$73,250	\$233,951	\$363,667	\$7,835,675
<b>Heat Spread from Another Fire</b>						
# of Incidents	32	24	27	33	44	160
Dollar Loss	\$949,250	\$186,500	\$709,500	\$30,950	\$629,500	\$2,505,700
<b>Heat Source Other</b>						
# of Incidents	78	46	62	80	75	341
Dollar Loss	\$406,200	\$114,602	\$138,900	\$64,704	\$1,289,900	\$2,014,306
<b>Chemical or Natural</b>						
# of Incidents	11	14	14	14	21	74
Dollar Loss	\$291,000	\$46,000	\$21,050	\$131,010	\$7,850	\$496,910
<b>(blank)</b>						
# of Incidents	477	357	270	588	526	2,218
Dollar Loss	\$53,316	\$320,589	\$9,750	\$44,251	\$40,720	\$468,626
<b>Explosives and Fireworks</b>						
# of Incidents	64	21	23	33	16	157
Dollar Loss	\$31,004	\$5,000	\$25,250	\$0	\$0	\$61,254
<b>Multiple Heat Sources</b>						
# of Incidents	3	2	0	3	2	10
Dollar Loss	\$0	\$0	\$0	\$0	\$6,000	\$6,000
<b>Total # of Incidents</b>	<b>1,553</b>	<b>1,137</b>	<b>1,068</b>	<b>1,526</b>	<b>1,572</b>	<b>6,856</b>
<b>Total Dollar Loss</b>	<b>\$11,554,441</b>	<b>\$12,149,828</b>	<b>\$5,804,092</b>	<b>\$13,336,334</b>	<b>\$16,039,574</b>	<b>\$58,884,269</b>

**Region 3 Fire Incidents by Cause of Ignition (Five-year total sorted by dollar loss)**

<b>Cause of Ignition</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Unintentional</b>						
# of Incidents	498	359	390	421	462	2,130
Dollar Loss	\$4,581,655	\$8,466,664	\$2,207,245	\$1,915,335	\$4,150,920	\$21,321,819
<b>Cause under investigation</b>						
# of Incidents	101	86	101	139	126	553
Dollar Loss	\$2,777,502	\$1,454,502	\$1,820,367	\$2,660,525	\$6,429,365	\$15,142,261
<b>Failure of equipment or heat source</b>						
# of Incidents	110	120	84	126	132	572
Dollar Loss	\$2,586,482	\$1,359,827	\$265,800	\$1,562,150	\$2,078,890	\$7,853,149
<b>Intentional</b>						
# of Incidents	204	112	109	125	180	730
Dollar Loss	\$46,555	\$36,940	\$13,500	\$6,559,073	\$109,700	\$6,765,768
<b>Cause undetermined after investigation</b>						
# of Incidents	147	94	93	110	111	555
Dollar Loss	\$965,431	\$511,306	\$685,250	\$584,000	\$3,227,934	\$5,973,921
<b>Cause, other (conversion and exposure 1 only)</b>						
# of Incidents	4	0	3	5	17	29
Dollar Loss	\$543,500	\$0	\$796,130	\$0	\$2,000	\$1,341,630
<b>(blank)</b>						
# of Incidents	477	357	270	588	526	2,218
Dollar Loss	\$53,316	\$320,589	\$9,750	\$44,251	\$40,720	\$468,626
<b>Act of nature</b>						
# of Incidents	12	9	18	12	18	69
Dollar Loss	\$0	\$0	\$6,050	\$11,000	\$45	\$17,095
<b>Total # of Incidents</b>	<b>1,553</b>	<b>1,137</b>	<b>1,068</b>	<b>1,526</b>	<b>1,572</b>	<b>6,856</b>
<b>Total Dollar Loss</b>	<b>\$11,554,441</b>	<b>\$12,149,828</b>	<b>\$5,804,092</b>	<b>\$13,336,334</b>	<b>\$16,039,574</b>	<b>\$58,884,269</b>

## REGION 3 2019 Reporting Summary

% of Region Reporting = 85%		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property & Contents Loss
<b>Island</b>	<b>% of County Reporting = 100%</b>	<b>9,216</b>	<b>1</b>	<b>432</b>	<b>9,649</b>	<b>\$ 4,870,589</b>
<b>15D01</b>	Island #1, Camano Island	2,016	0	38	2,054	\$ 1,502,002
<b>15D02</b>	Island #2, North Whidbey	1,930	0	292	2,222	\$ 691,340
<b>15D03</b>	Island #3, South Whidbey	2,514	0	27	2,541	\$ 2,281,847
<b>15D05</b>	Island #5, Central Whidbey	1,379	0	32	1,411	\$ 368,900
<b>15M04</b>	Oak Harbor Fire Dept	1,377	1	43	1,421	\$ 26,500
<b>San Juan</b>	<b>% of County Reporting = 100%</b>	<b>1,759</b>	<b>3</b>	<b>24</b>	<b>1,786</b>	<b>\$ 1,909,000</b>
<b>28D02</b>	San Juan #2, Orcas Island	1,283	0	2	1,285	\$ -
<b>28D03</b>	San Juan #3, San Juan Island	338	3	20	361	\$ 1,825,200
<b>28D04</b>	San Juan #4 Lopez Island	134	0	2	136	\$ 83,800
<b>28D05</b>	San Juan #5, Shaw Island	4	0	0	4	\$ -
<b>Skagit</b>	<b>% of County Reporting = 79%</b>	<b>13,176</b>	<b>0</b>	<b>1,386</b>	<b>14,562</b>	<b>\$ 1,607,900</b>
<b>29D02</b>	Skagit #2, McLean Road	342	0	60	402	\$ -
<b>29D03</b>	Skagit #3, Conway/Cedardale	361	0	93	454	\$ 1,302,500
<b>29D04</b>	Skagit #4, Clear Lake	254	0	20	274	\$ -
<b>29D05</b>	Skagit #5, Bow/Edison	248	0	6	254	\$ -
<b>29D06</b>	Skagit #6, Burlington	681	0	128	809	\$ -
<b>29D07</b>	Skagit #7, Lake Cavanaugh	0	0	0	0	\$ -
<b>29D08</b>	Skagit #8, Sedro-Woolley	359	0	19	378	\$ 1,500
<b>29D09</b>	Skagit #9, Big Lake	223	0	61	284	\$ -
<b>29D10</b>	Skagit #10, Concrete	186	0	17	203	\$ -
<b>29D11</b>	Skagit #11, Mt. Erie	317	0	64	381	\$ 1,100
<b>29D12</b>	Skagit #12, Bay View	51	0	0	51	\$ -
<b>29D13</b>	Skagit #13, Hope Is/Summit Pk	1,010	0	330	1,340	\$ -
<b>29D14</b>	Skagit #14, Alger	388	0	18	406	\$ -
<b>29D15</b>	Skagit #15, Lake McMurray	0	0	0	0	\$ -
<b>29D16</b>	Skagit #16, Day Creek	57	0	1	58	\$ -
<b>29D17</b>	Skagit #17, Guemes Island	81	0	3	84	\$ -
<b>29D19</b>	Skagit #19, Rockport/Marblemount	0	0	0	0	\$ -
<b>29M01</b>	Anacortes Fire Dept	2,824	0	3	2,827	\$ 225,500
<b>29M02</b>	Burlington Fire Dept	2,064	0	472	2,536	\$ -
<b>29M03</b>	Concrete Fire Dept	41	0	6	47	\$ -
<b>29M04</b>	Hamilton Fire Dept	0	0	0	0	\$ -
<b>29M05</b>	La Conner Fire Dept	0	0	0	0	\$ -
<b>29M07</b>	Mount Vernon Fire Dept	519	0	52	571	\$ 7,800
<b>29M09</b>	Sedro-Wolley Fire Dept	3,170	0	33	3,203	\$ 69,500

**REGION 3 2019 Reporting Summary (Continued)**

<b>% of Region Reporting = 85%</b>		<b># of Incidents</b>	<b>Exposures</b>	<b>Automatic or Mutual Aid Given</b>	<b>Total Reports</b>	<b>Total Property &amp; Contents Loss</b>
<b>Whatcom</b>	<b>% of County Reporting = 85%</b>	<b>31,519</b>	<b>1</b>	<b>4,880</b>	<b>36,400</b>	<b>\$ 7,984,135</b>
<b>37D01</b>	Whatcom #1, Everson	1,003	0	11	1,014	\$ 16,507
<b>37D05</b>	Whatcom #5, Point Roberts	417	0	3	420	\$ -
<b>37D07</b>	Whatcom #7, Ferndale	5,081	0	111	5,192	\$ 668,721
<b>37D11</b>	Lummi Island Fire Department	80	0	0	80	\$ 22,500
<b>37D14</b>	Whatcom #14, Sumas	1,351	0	37	1,388	\$ 116,250
<b>37D16</b>	Whatcom #16, Acme	0	0	0	0	\$ -
<b>37D17</b>	Whatcom #17, Sandy Point	184	0	13	197	\$ 307,000
<b>37D18</b>	Whatcom #18, S Lake Whatcom	148	0	44	192	\$ 90,100
<b>37D19</b>	Whatcom #19, Glacier Fire & Rescue	0	0	0	0	\$ -
<b>37D20</b>	South Whatcom Fire Authority	1,078	0	37	1,115	\$ 1,074,652
<b>37D21</b>	Whatcom #21, N Whatcom Fire	4,288	1	816	5,105	\$ 2,701,665
<b>37M01</b>	Bellingham Fire Dept	16,166	0	3,644	19,810	\$ 2,774,390
<b>37M07</b>	Lynden Fire Dept	1,723	0	164	1,887	\$ 212,350
<b>REGION 3 TOTALS</b>		<b>55,670</b>	<b>5</b>	<b>6,722</b>	<b>62,397</b>	<b>\$ 16,371,624</b>

## Region 4

Region 4 is comprised of King, Pierce, and Snohomish counties. In 2019, 82% of the fire service agencies in this region reported NFIRS data to the SFMO. Below is a table summarizing the incidents that have been reported over the past five years.



### Five-Year Incident Type Summary

Incident Type Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Fire</b>						
# of Incidents	9,715	7,980	9,731	11,302	10,786	49,514
Dollar Loss	\$70,231,557	\$67,233,948	\$98,375,235	\$144,575,961	\$102,885,777	\$483,302,478
<b>Rescue and Emergency Medical Service</b>						
# of Incidents	205,702	208,319	234,027	283,918	291,502	1,223,468
Dollar Loss	\$67,100	\$195,350	\$245,400	\$397,145	\$386,966	\$1,291,961
<b>Service Calls</b>						
# of Incidents	18,657	17,461	20,710	23,485	25,184	105,497
Dollar Loss	\$164,902	\$63,229	\$42,612	\$282,670	\$204,825	\$758,238
<b>Hazardous Conditions (No Fire)</b>						
# of Incidents	4,995	4,641	4,996	5,489	6,040	26,161
Dollar Loss	\$58,050	\$151,811	\$172,980	\$85,030	\$57,390	\$525,261
<b>Good Intent Calls</b>						
# of Incidents	24,313	25,370	31,726	36,680	37,470	155,559
Dollar Loss	\$252	\$1,360	\$10,500	\$37,172	\$328,102	\$377,386
<b>False Alarms &amp; False Calls</b>						
# of Incidents	21,467	21,919	23,232	26,005	29,201	121,824
Dollar Loss	\$8,572	\$54,354	\$165,500	\$122,100	\$20,502	\$371,028
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
# of Incidents	758	644	748	637	616	3,403
Dollar Loss	\$27,445	\$98,845	\$34,369	\$113,100	\$19,700	\$293,459
<b>Severe Weather &amp; Natural Disaster</b>						
# of Incidents	362	226	281	179	405	1,453
Dollar Loss	\$0	\$0	\$200,000	\$0	\$0	\$200,000
<b>Other Types of Incidents</b>						
# of Incidents	2,102	2,291	2,340	2,726	2,532	11,991
Dollar Loss	\$5,000	\$0	\$0	\$0	\$0	\$5,000
<b>Total # of Incidents</b>	<b>288,071</b>	<b>288,851</b>	<b>327,791</b>	<b>390,421</b>	<b>403,736</b>	<b>1,698,870</b>
<b>Total Dollar Loss</b>	<b>\$70,562,878</b>	<b>\$67,798,897</b>	<b>\$99,246,596</b>	<b>\$145,613,178</b>	<b>\$103,903,262</b>	<b>\$487,124,811</b>

## Region 4 Fire Incidents

Over the past five years, 49,514 fire incidents, resulting in more than \$483 million in property and content loss, have been reported by fire service agencies in Region 4. Structure fires, including confined fires, accounted for nearly 27% of the five-year total and 80% of the dollar loss to property and content.

### Region 4 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category	2015	2016	2017	2018	2019	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	2,476	2,456	2,519	3,040	3,088	13,579
Dollar Loss	\$63,646,271	\$60,631,385	\$83,812,995	\$94,369,351	\$88,269,621	\$390,729,623
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	1,160	1,120	1,234	1,381	1,430	6,325
Dollar Loss	\$5,384,347	\$5,668,051	\$11,439,951	\$47,485,957	\$9,705,950	\$79,684,256
<b>Fixed Mobile Property Fires</b>						
# of Incidents	72	67	74	110	96	419
Dollar Loss	\$524,427	\$400,889	\$673,555	\$1,269,756	\$3,178,282	\$6,046,909
<b>Fire, other</b>						
# of Incidents	558	437	535	566	572	2,668
Dollar Loss	\$211,225	\$309,699	\$1,687,081	\$739,620	\$853,861	\$3,801,486
<b>Natural Vegetation Fires</b>						
# of Incidents	3,212	1,748	2,841	3,282	2,346	13,429
Dollar Loss	\$131,026	\$50,043	\$475,999	\$311,090	\$216,257	\$1,184,415
<b>Outside Rubbish Fires</b>						
# of Incidents	1,326	1,372	1,691	1,930	3,241	9,560
Dollar Loss	\$84,687	\$40,948	\$105,257	\$117,055	\$656,306	\$1,004,253
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	899	772	819	982	0	3,472
Dollar Loss	\$249,174	\$132,733	\$179,095	\$272,132	\$0	\$833,134
<b>Cultivated Vegetation Fires</b>						
# of Incidents	12	8	18	11	13	62
Dollar Loss	\$400	\$200	\$1,302	\$11,000	\$5,500	\$18,402
<b>Total # of Incidents</b>	<b>9,715</b>	<b>7,980</b>	<b>9,731</b>	<b>11,302</b>	<b>10,786</b>	<b>49,514</b>
<b>Total Dollar Loss</b>	<b>\$70,231,557</b>	<b>\$67,233,948</b>	<b>\$98,375,235</b>	<b>\$144,575,961</b>	<b>\$102,885,777</b>	<b>\$483,302,478</b>

**Region 4 Structure Fires by Type (Five-year total sorted by dollar loss)**

<b>Structure Fires (including confined fires)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Building fires</b>						
# of Incidents	1,109	1,109	1,178	1,456	1,521	6,373
Dollar Loss	\$63,213,132	\$60,304,709	\$83,161,980	\$92,853,053	\$86,503,175	\$386,036,049
<b>Fires in structures other than in a building</b>						
# of Incidents	57	65	58	71	81	332
Dollar Loss	\$144,402	\$79,715	\$379,802	\$810,823	\$1,142,130	\$2,556,872
<b>Cooking fire, confined to container</b>						
# of Incidents	898	909	879	1,036	990	4,712
Dollar Loss	\$226,630	\$199,296	\$176,676	\$527,139	\$489,472	\$1,619,213
<b>Trash or rubbish fire, contained</b>						
# of Incidents	258	221	221	287	301	1,288
Dollar Loss	\$27,555	\$14,384	\$20,465	\$72,752	\$63,094	\$198,250
<b>Chimney or flue fire, confined to chimney or flue</b>						
# of Incidents	120	127	158	154	165	724
Dollar Loss	\$16,802	\$25,700	\$58,472	\$30,879	\$39,700	\$171,553
<b>Fuel burner/boiler malfunction, fire confined</b>						
# of Incidents	19	17	17	20	21	94
Dollar Loss	\$9,750	\$7,051	\$13,200	\$18,205	\$27,050	\$75,256
<b>Incinerator overload or malfunction, fire confined</b>						
# of Incidents	5	3	2	4	3	17
Dollar Loss	\$500	\$530	\$400	\$56,000	\$5,000	\$62,430
<b>Commercial Compactor fire, confined to rubbish</b>						
# of Incidents	10	5	6	12	6	39
Dollar Loss	\$7,500	\$0	\$2,000	\$500	\$0	\$10,000
<b>Total # of Incidents</b>	<b>2,476</b>	<b>2,456</b>	<b>2,519</b>	<b>3,040</b>	<b>3,088</b>	<b>13,579</b>
<b>Total Dollar Loss</b>	<b>\$63,646,271</b>	<b>\$60,631,385</b>	<b>\$83,812,995</b>	<b>\$94,369,351</b>	<b>\$88,269,621</b>	<b>\$390,729,623</b>

**Region 4 Fire Incidents by Property Use (Five-year total sorted by dollar loss)**

<b>Fires by Property Use</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Residential</b>						
# of Incidents	3,345	2,938	3,457	3,955	3,981	17,676
Dollar Loss	\$46,327,471	\$47,065,111	\$60,680,968	\$72,971,195	\$74,487,108	\$301,531,853
<b>Mercantile &amp; Business</b>						
# of Incidents	413	338	450	543	535	2,279
Dollar Loss	\$4,235,131	\$3,900,334	\$8,568,038	\$19,947,557	\$11,426,612	\$48,077,672
<b>Outside or Special Properties</b>						
# of Incidents	4,273	3,223	4,162	4,684	4,322	20,664
Dollar Loss	\$4,667,579	\$4,442,594	\$6,673,654	\$11,583,847	\$6,717,634	\$34,085,308
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>						
# of Incidents	104	61	92	114	87	458
Dollar Loss	\$478,325	\$104,201	\$280,403	\$32,127,173	\$319,835	\$33,309,937
<b>Storage</b>						
# of Incidents	133	132	145	179	192	781
Dollar Loss	\$7,063,279	\$5,354,383	\$5,173,440	\$3,618,435	\$2,899,252	\$24,108,789
<b>Assembly</b>						
# of Incidents	294	222	236	318	245	1,315
Dollar Loss	\$2,988,115	\$3,604,947	\$10,427,149	\$1,094,393	\$1,827,308	\$19,941,912
<b>Manufacturing &amp; Processing</b>						
# of Incidents	48	59	60	66	67	300
Dollar Loss	\$3,388,955	\$1,850,950	\$2,761,706	\$611,005	\$2,702,972	\$11,315,588
<b>Health Care, Detention, &amp; Corrections</b>						
# of Incidents	54	51	43	63	73	284
Dollar Loss	\$379,352	\$384,962	\$3,078,651	\$1,448,129	\$165,388	\$5,456,482
<b>Other Property Uses</b>						
# of Incidents	110	125	134	172	212	753
Dollar Loss	\$493,605	\$353,640	\$243,575	\$915,960	\$1,627,859	\$3,634,639
<b>Educational Uses</b>						
# of Incidents	118	91	119	143	111	582
Dollar Loss	\$139,730	\$142,771	\$437,545	\$58,246	\$361,481	\$1,139,773
<b>Undetermined</b>						
# of Incidents	809	726	815	1,036	949	4,335
Dollar Loss	\$60,015	\$26,252	\$45,406	\$67,020	\$316,828	\$515,521
<b>None</b>						
# of Incidents	14	14	18	29	12	87
Dollar Loss	\$10,000	\$3,803	\$4,700	\$133,001	\$33,500	\$185,004
<b>Total # of Incidents</b>	<b>9,715</b>	<b>7,980</b>	<b>9,731</b>	<b>11,302</b>	<b>10,786</b>	<b>49,514</b>
<b>Total Dollar Loss</b>	<b>\$70,231,557</b>	<b>\$67,233,948</b>	<b>\$98,375,235</b>	<b>\$144,575,961</b>	<b>\$102,885,777</b>	<b>\$483,302,478</b>

**Region 4 Fire Incidents by Area of Origin (Five-year total sorted by dollar loss)**

<b>Area of Origin by Category</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Functional Areas</b>						
# of Incidents	729	732	763	929	985	4,138
Dollar Loss	\$15,853,217	\$17,816,127	\$35,422,232	\$21,111,987	\$25,830,502	\$116,034,065
<b>Undetermined</b>						
# of Incidents	4,542	3,561	4,421	5,165	4,850	22,539
Dollar Loss	\$6,256,042	\$7,401,489	\$14,643,375	\$28,010,938	\$23,337,416	\$79,649,260
<b>Structural Areas</b>						
# of Incidents	289	248	276	314	348	1,475
Dollar Loss	\$18,061,844	\$7,375,508	\$13,501,667	\$17,332,938	\$18,222,634	\$74,494,591
<b>Outside Areas</b>						
# of Incidents	2,519	1,819	2,433	2,848	2,506	12,125
Dollar Loss	\$3,277,501	\$5,413,204	\$3,996,853	\$40,299,499	\$2,837,741	\$55,824,798
<b>Storage Areas</b>						
# of Incidents	176	190	246	298	308	1,218
Dollar Loss	\$11,661,775	\$6,904,173	\$6,095,609	\$15,149,595	\$11,482,291	\$51,293,443
<b>Vehicle Areas</b>						
# of Incidents	1,043	1,024	1,108	1,189	1,198	5,562
Dollar Loss	\$6,020,795	\$6,143,576	\$9,945,022	\$13,566,696	\$8,346,725	\$44,022,814
<b>Areas of Groups of People (Assembly)</b>						
# of Incidents	81	74	89	73	85	402
Dollar Loss	\$3,734,755	\$5,758,790	\$4,598,552	\$2,709,466	\$5,934,749	\$22,736,312
<b>Service or Equipment Areas</b>						
# of Incidents	101	81	86	96	107	471
Dollar Loss	\$2,629,788	\$7,096,246	\$2,931,338	\$2,648,507	\$993,522	\$16,299,401
<b>Means of Egress/Exit Access/Exit Areas</b>						
# of Incidents	75	70	93	77	105	420
Dollar Loss	\$1,667,745	\$1,817,564	\$6,529,526	\$2,108,308	\$2,577,309	\$14,700,452
<b>Other Areas of Origin</b>						
# of Incidents	147	169	206	296	274	1,092
Dollar Loss	\$788,945	\$1,214,271	\$621,061	\$939,635	\$2,051,115	\$5,615,027
<b>Technical Processing Areas</b>						
# of Incidents	13	12	10	17	20	72
Dollar Loss	\$279,150	\$293,000	\$90,000	\$698,392	\$1,271,773	\$2,632,315
<b>Total # of Incidents</b>	<b>9,715</b>	<b>7,980</b>	<b>9,731</b>	<b>11,302</b>	<b>10,786</b>	<b>49,514</b>
<b>Total Dollar Loss</b>	<b>\$70,231,557</b>	<b>\$67,233,948</b>	<b>\$98,375,235</b>	<b>\$144,575,961</b>	<b>\$102,885,777</b>	<b>\$483,302,478</b>

**Region 4 Fire Incidents by Heat Source (Five-year total sorted by dollar loss)**

<b>Heat Source Categories</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Undetermined</b>						
# of Incidents	1,961	1,652	2,184	2,790	2,714	11,301
Dollar Loss	\$27,221,410	\$29,026,715	\$44,996,823	\$61,607,536	\$56,142,027	\$218,994,511
<b>Operating Equipment</b>						
# of Incidents	1,199	1,141	1,243	1,449	1,435	6,467
Dollar Loss	\$19,114,804	\$15,401,932	\$28,262,629	\$26,876,691	\$20,212,906	\$109,868,962
<b>Hot or Smoldering Object</b>						
# of Incidents	684	671	728	754	754	3,591
Dollar Loss	\$6,147,338	\$10,776,410	\$5,780,035	\$39,646,667	\$8,554,156	\$70,904,606
<b>Open Flame or Smoking Material</b>						
# of Incidents	980	817	975	987	969	4,728
Dollar Loss	\$9,153,868	\$7,155,954	\$9,101,260	\$8,739,678	\$10,035,099	\$44,185,859
<b>Heat Spread from Another Fire</b>						
# of Incidents	108	70	81	114	137	510
Dollar Loss	\$5,316,947	\$852,315	\$2,526,840	\$1,261,835	\$2,717,717	\$12,675,654
<b>Heat Source Other</b>						
# of Incidents	193	152	183	177	207	912
Dollar Loss	\$1,900,570	\$1,933,688	\$3,340,139	\$1,156,632	\$2,296,825	\$10,627,854
<b>Explosives and Fireworks</b>						
# of Incidents	338	175	314	366	293	1,486
Dollar Loss	\$618,727	\$451,305	\$1,483,863	\$1,928,188	\$1,416,126	\$5,898,209
<b>Chemical or Natural</b>						
# of Incidents	68	65	78	67	75	353
Dollar Loss	\$340,751	\$943,246	\$972,645	\$1,975,990	\$793,490	\$5,026,122
<b>(blank)</b>						
# of Incidents	4,167	3,220	3,923	4,570	4,174	20,054
Dollar Loss	\$318,141	\$242,757	\$491,501	\$968,258	\$708,116	\$2,728,773
<b>Multiple Heat Sources</b>						
# of Incidents	17	17	22	28	28	112
Dollar Loss	\$99,001	\$449,626	\$1,419,500	\$414,486	\$9,315	\$2,391,928
<b>Total # of Incidents</b>	<b>9,715</b>	<b>7,980</b>	<b>9,731</b>	<b>11,302</b>	<b>10,786</b>	<b>49,514</b>
<b>Total Dollar Loss</b>	<b>\$70,231,557</b>	<b>\$67,233,948</b>	<b>\$98,375,235</b>	<b>\$144,575,961</b>	<b>\$102,885,777</b>	<b>\$483,302,478</b>

**Region 4 Fire Incidents by Cause of Ignition (Five-year total sorted by dollar loss)**

<b>Cause of Ignition</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Unintentional</b>						
# of Incidents	3,005	2,455	2,911	3,195	2,962	14,528
Dollar Loss	\$31,226,222	\$30,435,887	\$40,885,787	\$38,743,442	\$34,720,801	\$176,012,139
<b>Cause under investigation</b>						
# of Incidents	373	362	370	582	572	2,259
Dollar Loss	\$19,950,877	\$20,926,059	\$25,936,735	\$66,479,107	\$31,134,278	\$164,427,056
<b>Cause undetermined after investigation</b>						
# of Incidents	682	559	948	1,030	1,006	4,225
Dollar Loss	\$3,841,785	\$7,295,833	\$19,032,048	\$20,632,013	\$17,215,745	\$68,017,424
<b>Failure of equipment or heat source</b>						
# of Incidents	518	450	543	651	649	2,811
Dollar Loss	\$8,043,324	\$3,205,874	\$4,695,936	\$11,382,190	\$6,909,128	\$34,236,452
<b>Intentional</b>						
# of Incidents	732	751	832	982	1,164	4,461
Dollar Loss	\$2,785,775	\$4,627,526	\$5,187,790	\$5,063,558	\$9,599,059	\$27,263,708
<b>Cause, other (conversion and exposure 1 only)</b>						
# of Incidents	177	141	155	233	212	918
Dollar Loss	\$4,061,333	\$261,073	\$2,021,054	\$1,297,308	\$2,581,350	\$10,222,118
<b>(blank)</b>						
# of Incidents	4,167	3,220	3,922	4,571	4,174	20,054
Dollar Loss	\$318,141	\$242,757	\$485,631	\$968,793	\$708,116	\$2,723,438
<b>Act of nature</b>						
# of Incidents	61	42	50	58	47	258
Dollar Loss	\$4,100	\$238,939	\$130,254	\$9,550	\$17,300	\$400,143
<b>Total # of Incidents</b>	<b>9,715</b>	<b>7,980</b>	<b>9,731</b>	<b>11,302</b>	<b>10,786</b>	<b>49,514</b>
<b>Total Dollar Loss</b>	<b>\$70,231,557</b>	<b>\$67,233,948</b>	<b>\$98,375,235</b>	<b>\$144,575,961</b>	<b>\$102,885,777</b>	<b>\$483,302,478</b>

## REGION 4 2019 Reporting Summary

% of Region Reporting = 82%		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property & Contents Loss
King	% of County Reporting = 93%	185,002	26	14,896	199,924	\$ 57,337,584
17D02	King #2, Burien	6,111	0	142	6,253	\$ 1,527,540
17D04	King #4, Shoreline	10,614	0	188	10,802	\$ 1,187,160
17D10	Eastside Fire & Rescue	10,686	0	513	11,199	\$ 5,416,100
17D11	King #11, North Highline	3,968	3	13	3,984	\$ 1,816,088
17D13	King #13, Vashon Island	1,382	0	21	1,403	\$ 283,000
17D16	King #16, Northshore	3,349	0	232	3,581	\$ 988,970
17D20	King #20, Skyway/Bryn Mawr/Lak	1,862	0	303	2,165	\$ 562,750
17D27	King #27, Fall City	474	0	288	762	\$ 45,425
17D36	#36, Woodinville Fire & Rescue	3,285	0	988	4,273	\$ 297,951
17D39	King #39, South King	19,450	21	1,245	20,716	\$ 4,600,659
17D44	King #44, Mountain View	1,545	1	148	1,694	\$ 943,847
17D45	King #45, Duvall	1,089	0	86	1,175	\$ 51,966
17D47	King #47, Kangley/Palmer	101	0	2	103	\$ 34,200
17D50	King #50, Skykomish/Stevens Pass	256	0	10	266	\$ 25,800
17D51	King #51, Snoqualmie Pass Fire & Rescue	0	0	0	0	\$ -
17M01	Valley Regional Fire Authority	12,707	0	397	13,104	\$ 2,529,110
17M02	Bellevue Fire Dept	16,819	1	3,729	20,549	\$ 4,743,681
17M03	Black Diamond Fire Dept	342	0	4	346	\$ 81,602
17M04	Bothell Fire Dept	6,435	0	245	6,680	\$ 403,372
17M06	Enumclaw/King #28	2,485	0	39	2,524	\$ 2,178,020
17M08	Puget Sound Regional Fire Auth	27,879	0	1,530	29,409	\$ 6,379,376
17M09	Kirkland Fire Dept	8,134	0	205	8,339	\$ 5,138,429
17M10	Mercer Island Fire Dept	2,267	0	11	2,278	\$ 486,450
17M13	Redmond Fire Dept	8,443	0	3,116	11,559	\$ 1,248,405
17M14	Renton Regional Fire Authority	16,561	0	1,197	17,758	\$ 6,108,897
17M15	Seattle Fire Dept	17,160	0	0	17,160	\$ 10,054,736
17M17	Snoqualmie Fire Dept	220	0	60	280	\$ -
17M19	Tukwila Fire Department	1,236	0	183	1,419	\$ 204,050
17P01	King Co Intl Airport	142	0	1	143	\$ -
17S01	Port of Seattle/SeaTac Int'l Airport Fire Dept	0	0	0	0	\$ -

**REGION 4 2019 Reporting Summary (Continued)**

<b>% of Region Reporting = 82%</b>		<b># of Incidents</b>	<b>Exposures</b>	<b>Automatic or Mutual Aid Given</b>	<b>Total Reports</b>	<b>Total Property &amp; Contents Loss</b>
<b>Pierce</b>	<b>% of County Reporting = 73%</b>	<b>121,751</b>	<b>0</b>	<b>3,366</b>	<b>125,117</b>	<b>\$ 25,350,618</b>
<b>27D03</b>	Pierce #3, W Pierce Fire	16,222	0	434	16,656	\$ 1,705,139
<b>27D05</b>	Pierce #5, Gig Harbor	5,839	0	264	6,103	\$ 305,620
<b>27D06</b>	Pierce #6, Central Pierce	30,302	0	710	31,012	\$ 7,835,186
<b>27D13</b>	Pierce #13, Brown's Point	170	0	7	177	\$ -
<b>27D14</b>	Pierce #14, Riverside Fire	404	0	8	412	\$ 102,000
<b>27D16</b>	Pierce #16, Key Peninsula	2,256	0	151	2,407	\$ 451,190
<b>27D17</b>	Pierce #17, S Pierce Fire	2,399	0	118	2,517	\$ 816,504
<b>27D18</b>	Pierce #18, Orting	1,580	0	217	1,797	\$ 195,250
<b>27D21</b>	Pierce #21, Graham	6,502	0	764	7,266	\$ 2,700
<b>27D22</b>	Pierce #22, E Pierce Fire	11,444	0	341	11,785	\$ 2,865,495
<b>27D23</b>	Pierce #23, Pierce 23 Fire	111	0	35	146	\$ 80,000
<b>27D25</b>	Pierce #25, Crystal Mountain	0	0	0	0	\$ -
<b>27D26</b>	Pierce #26, Greenwater	0	0	0	0	\$ -
<b>27D27</b>	Pierce #27, Anderson Island	15	0	1	16	\$ 10,000
<b>27M02</b>	City of Buckley Fire Dept	1,091	0	293	1,384	\$ 261,750
<b>27M03</b>	Carbonado Fire Dept	33	0	23	56	\$ 500
<b>27M04</b>	DuPont Fire Dept	0	0	0	0	\$ -
<b>27M05</b>	Eatonville Fire Dept	0	0	0	0	\$ -
<b>27M11</b>	Ruston Fire Department	91	0	0	91	\$ 28,000
<b>27M16</b>	Tacoma Fire Dept	43,292	0	0	43,292	\$ 10,691,284
<b>27M17</b>	Wilkeson Fire Dept	0	0	0	0	\$ -
<b>27S05</b>	McNeil Island Fire Dept	0	0	0	0	\$ -
<b>Snohomish</b>	<b>% of County Reporting = 77%</b>	<b>96,983</b>	<b>2</b>	<b>10,324</b>	<b>107,309</b>	<b>\$ 21,215,060</b>
<b>31D01</b>	S. Snohomish Fire & Rescue RFA	28,451	0	1,865	30,316	\$ 7,883,487
<b>31D04</b>	Snohomish #4, Snohomish	3,457	0	441	3,898	\$ 358,403
<b>31D05</b>	Snohomish #5, Sultan	992	0	106	1,098	\$ 1,000
<b>31D07</b>	Snohomish #7, Monroe	8,783	1	1,990	10,774	\$ 2,329,192
<b>31D08</b>	Snohomish #8, Lake Stevens	4,878	0	936	5,814	\$ 434,500
<b>31D15</b>	Snohomish #15, Tulalip Bay	1,025	0	136	1,161	\$ 36,210
<b>31D16</b>	Snohomish #16, Lake Roesiger	0	0	0	0	\$ -
<b>31D17</b>	Snohomish #17, Granite Falls	1,968	0	195	2,163	\$ 475,595
<b>31D19</b>	Snohomish #19, Silvana	445	0	344	789	\$ 282,600
<b>31D21</b>	Snohomish #21, Arlington	723	0	196	919	\$ 490,800
<b>31D22</b>	Snohomish #22, Getchell	489	0	1,231	1,720	\$ 541,300
<b>31D23</b>	Snohomish #23, Robe Valley	0	0	0	0	\$ -
<b>31D24</b>	Snohomish #24, Darrington Fire	542	0	38	580	\$ 12,005
<b>31D25</b>	Snohomish #25, Oso	112	0	73	185	\$ 2,500
<b>31D26</b>	Snohomish #26, Gold Bar	0	0	0	0	\$ -
<b>31D27</b>	Snohomish #27, Gedney/Hat Island	0	0	0	0	\$ -
<b>31D30</b>	North County RFA	3,859	0	340	4,199	\$ 645,700
<b>31M01</b>	Arlington Fire Dept	4,330	0	647	4,977	\$ 538,525
<b>31M04</b>	Everett Fire Dept	21,905	0	243	22,148	\$ 4,976,316
<b>31M08</b>	Snohomish #12, Marysville	12,876	0	1,113	13,989	\$ 1,960,407
<b>31M11</b>	Mukilteo Fire Department	2,148	1	430	2,579	\$ 246,520
<b>31C02</b>	Snohomish County Airport - Paine Field	0	0	0	0	\$ -
<b>REGION 4 TOTALS</b>		<b>403,736</b>	<b>28</b>	<b>28,586</b>	<b>432,350</b>	<b>103,903,262</b>

## Region 5

Region 5 is comprised of Clark, Cowlitz, Lewis, Skamania, and Wahkiakum counties. In 2019, 67% of the fire service agencies in this region reported NFIRS data to the SFMO. Below is a table summarizing the incidents that have been reported over the past five years.



### Five-Year Incident Type Summary

Incident Type Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Fire</b>						
# of Incidents	2,678	2,303	2,260	2,537	2,256	12,034
Dollar Loss	\$13,792,126	\$21,354,250	\$18,509,043	\$18,845,996	\$16,152,904	\$88,654,319
<b>Good Intent Calls</b>						
# of Incidents	8,487	12,162	12,057	13,754	14,344	60,804
Dollar Loss	\$6,000,059	\$2,063	\$21,000	\$300	\$0	\$6,023,422
<b>Rescue and Emergency Medical Service</b>						
# of Incidents	41,731	42,515	40,700	45,342	47,251	217,539
Dollar Loss	\$25,000	\$129,563	\$100,500	\$49,000	\$98,501	\$402,564
<b>Service Calls</b>						
# of Incidents	2,531	3,673	4,034	5,105	6,008	21,351
Dollar Loss	\$3,100	\$302,502	\$11,494	\$10,820	\$2,660	\$330,576
<b>Hazardous Conditions (No Fire)</b>						
# of Incidents	638	627	656	696	723	3,340
Dollar Loss	\$1,600	\$119,500	\$2,000	\$9,085	\$9,900	\$142,085
<b>False Alarms &amp; False Calls</b>						
# of Incidents	2,357	2,469	2,305	2,558	2,939	12,628
Dollar Loss	\$2,000	\$0	\$5,800	\$101,300	\$6,000	\$115,100
<b>Severe Weather &amp; Natural Disaster</b>						
# of Incidents	27	12	26	8	15	88
Dollar Loss	\$0	\$35,000	\$0	\$0	\$0	\$35,000
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
# of Incidents	64	69	44	46	57	280
Dollar Loss	\$27,050	\$4,350	\$50	\$700	\$0	\$32,150
<b>Other Types of Incidents</b>						
# of Incidents	233	308	292	324	356	1,513
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>58,746</b>	<b>64,138</b>	<b>62,374</b>	<b>70,370</b>	<b>73,949</b>	<b>329,577</b>
<b>Total Dollar Loss</b>	<b>\$19,850,935</b>	<b>\$21,947,228</b>	<b>\$18,649,887</b>	<b>\$19,017,201</b>	<b>\$16,269,965</b>	<b>\$95,735,216</b>

## Region 5 Fire Incidents

Over the past five years, 12,034 fire incidents, resulting in more than \$88 million in property and content loss, have been reported by fire service agencies in Region 5. Structure fires, including confined fires, accounted for 26% of the five-year total and 88% of the dollar loss to property and content.

### Region 5 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category	2015	2016	2017	2018	2019	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	641	617	604	631	652	3,145
Dollar Loss	\$10,958,013	\$19,417,137	\$16,932,613	\$16,305,831	\$14,413,727	\$78,027,321
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	281	342	328	325	339	1,615
Dollar Loss	\$985,518	\$1,133,481	\$1,113,613	\$2,092,353	\$1,239,877	\$6,564,842
<b>Fixed Mobile Property Fires</b>						
# of Incidents	23	18	27	29	38	135
Dollar Loss	\$1,192,507	\$85,400	\$170,165	\$214,990	\$225,956	\$1,889,018
<b>Natural Vegetation Fires</b>						
# of Incidents	1,073	756	689	917	626	4,061
Dollar Loss	\$527,244	\$102,099	\$17,286	\$48,836	\$55,711	\$751,176
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	83	71	90	118	124	486
Dollar Loss	\$53,820	\$439,335	\$116,072	\$44,814	\$30,290	\$684,331
<b>Fire, other</b>						
# of Incidents	157	156	159	178	163	813
Dollar Loss	\$44,038	\$156,601	\$134,767	\$127,910	\$168,949	\$632,265
<b>Outside Rubbish Fires</b>						
# of Incidents	409	338	350	336	308	1,741
Dollar Loss	\$29,711	\$20,097	\$22,927	\$11,112	\$15,894	\$99,741
<b>Cultivated Vegetation Fires</b>						
# of Incidents	11	4	13	3	6	37
Dollar Loss	\$1,275	\$100	\$1,600	\$150	\$2,500	\$5,625
<b>Structure fire, other (conversion only)</b>						
# of Incidents	0	1	0	0	0	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>2,678</b>	<b>2,303</b>	<b>2,260</b>	<b>2,537</b>	<b>2,256</b>	<b>12,034</b>
<b>Total Dollar Loss</b>	<b>\$13,792,126</b>	<b>\$21,354,250</b>	<b>\$18,509,043</b>	<b>\$18,845,996</b>	<b>\$16,152,904</b>	<b>\$88,654,319</b>

**Region 5 Structure Fires by Type (Five-year total sorted by dollar loss)**

<b>Structure Fires (including confined fires)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Building fires</b>						
# of Incidents	324	353	311	315	324	1,627
Dollar Loss	\$10,551,680	\$18,835,724	\$15,094,796	\$15,888,274	\$14,244,479	\$74,614,953
<b>Fires in structures other than in a building</b>						
# of Incidents	28	20	27	21	12	108
Dollar Loss	\$241,520	\$508,265	\$1,756,875	\$286,410	\$50,285	\$2,843,355
<b>Cooking fire, confined to container</b>						
# of Incidents	159	128	131	152	154	724
Dollar Loss	\$159,488	\$50,962	\$57,332	\$102,945	\$73,300	\$444,027
<b>Chimney or flue fire, confined to chimney or flue</b>						
# of Incidents	69	63	90	84	98	404
Dollar Loss	\$250	\$18,936	\$10,400	\$10,200	\$30,454	\$70,240
<b>Trash or rubbish fire, contained</b>						
# of Incidents	52	48	37	51	52	240
Dollar Loss	\$5,075	\$2,250	\$8,210	\$9,202	\$13,859	\$38,596
<b>Commercial Compactor fire, confined to rubbish</b>						
# of Incidents	2	0	2	2	2	8
Dollar Loss	\$0	\$0	\$0	\$8,200	\$0	\$8,200
<b>Incinerator overload or malfunction, fire confined</b>						
# of Incidents	2	0	2	2	6	12
Dollar Loss	\$0	\$0	\$5,000	\$100	\$1,350	\$6,450
<b>Fuel burner/boiler malfunction, fire confined</b>						
# of Incidents	5	5	4	4	4	22
Dollar Loss	\$0	\$1,000	\$0	\$500	\$0	\$1,500
<b>Structure fire, other (conversion only)</b>						
# of Incidents	0	1	0	0	0	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>641</b>	<b>618</b>	<b>604</b>	<b>631</b>	<b>652</b>	<b>3,146</b>
<b>Total Dollar Loss</b>	<b>\$10,958,013</b>	<b>\$19,417,137</b>	<b>\$16,932,613</b>	<b>\$16,305,831</b>	<b>\$14,413,727</b>	<b>\$78,027,321</b>

**Region 5 Fire Incidents by Property Use (Five-year total sorted by dollar loss)**

<b>Fires by Property Use</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Residential</b>						
# of Incidents	1,027	914	910	1,003	945	4,799
Dollar Loss	\$10,221,343	\$13,649,593	\$11,646,107	\$14,162,412	\$10,591,762	\$60,271,217
<b>Storage</b>						
# of Incidents	62	56	61	52	62	293
Dollar Loss	\$529,284	\$2,846,412	\$2,756,247	\$625,839	\$1,323,341	\$8,081,123
<b>Mercantile &amp; Business</b>						
# of Incidents	224	105	124	135	122	710
Dollar Loss	\$265,903	\$1,232,267	\$1,836,190	\$608,933	\$2,952,891	\$6,896,184
<b>Outside or Special Properties</b>						
# of Incidents	1,077	995	953	1,128	931	5,084
Dollar Loss	\$1,182,028	\$1,421,737	\$1,066,510	\$1,722,486	\$930,032	\$6,322,793
<b>Assembly</b>						
# of Incidents	95	72	55	59	46	327
Dollar Loss	\$641,900	\$1,958,934	\$212,504	\$683,778	\$145,971	\$3,643,087
<b>Manufacturing &amp; Processing</b>						
# of Incidents	26	27	42	29	12	136
Dollar Loss	\$110,891	\$141,150	\$834,100	\$143,194	\$34,390	\$1,263,725
<b>Health Care, Detention, &amp; Corrections</b>						
# of Incidents	43	24	21	25	35	148
Dollar Loss	\$818,502	\$10,000	\$670	\$139,454	\$62,061	\$1,030,687
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>						
# of Incidents	22	28	27	34	34	145
Dollar Loss	\$1,700	\$3,000	\$55,000	\$715,000	\$22,550	\$797,250
<b>Educational Uses</b>						
# of Incidents	55	37	30	17	20	159
Dollar Loss	\$10,770	\$72,157	\$100,000	\$25,200	\$41,706	\$249,833
<b>Other Property Uses</b>						
# of Incidents	25	25	16	21	21	108
Dollar Loss	\$9,000	\$19,000	\$1,700	\$18,500	\$7,800	\$56,000
<b>None</b>						
# of Incidents	8	15	17	29	19	88
Dollar Loss	\$0	\$0	\$15	\$100	\$40,400	\$40,515
<b>Undetermined</b>						
# of Incidents	14	5	4	5	9	37
Dollar Loss	\$805	\$0	\$0	\$1,100	\$0	\$1,905
<b>Total # of Incidents</b>	<b>2,678</b>	<b>2,303</b>	<b>2,260</b>	<b>2,537</b>	<b>2,256</b>	<b>12,034</b>
<b>Total Dollar Loss</b>	<b>\$13,792,126</b>	<b>\$21,354,250</b>	<b>\$18,509,043</b>	<b>\$18,845,996</b>	<b>\$16,152,904</b>	<b>\$88,654,319</b>

**Region 5 Fire Incidents by Area of Origin (Five-year total sorted by dollar loss)**

<b>Area of Origin by Category</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Functional Areas</b>						
# of Incidents	249	242	188	198	210	1,087
Dollar Loss	\$3,085,799	\$5,779,064	\$2,233,304	\$3,189,108	\$4,644,263	\$18,931,538
<b>Structural Areas</b>						
# of Incidents	85	85	91	68	84	413
Dollar Loss	\$1,815,449	\$5,876,617	\$2,623,753	\$2,485,740	\$3,103,406	\$15,904,965
<b>Storage Areas</b>						
# of Incidents	92	84	78	78	86	418
Dollar Loss	\$1,939,251	\$4,449,427	\$3,018,180	\$2,173,301	\$2,489,666	\$14,069,825
<b>Undetermined</b>						
# of Incidents	221	189	205	256	219	1,090
Dollar Loss	\$627,750	\$1,713,382	\$2,796,935	\$4,319,151	\$1,737,728	\$11,194,946
<b>Outside Areas</b>						
# of Incidents	1,140	777	682	833	645	4,077
Dollar Loss	\$3,581,164	\$618,029	\$2,354,496	\$1,455,774	\$995,359	\$9,004,822
<b>Areas of Groups of People (Assembly)</b>						
# of Incidents	28	13	36	22	17	116
Dollar Loss	\$714,407	\$405,900	\$1,372,839	\$2,354,538	\$937,841	\$5,785,525
<b>Vehicle Areas</b>						
# of Incidents	265	298	272	292	298	1,425
Dollar Loss	\$938,177	\$968,131	\$919,158	\$1,741,866	\$1,191,799	\$5,759,131
<b>Service or Equipment Areas</b>						
# of Incidents	30	43	47	41	41	202
Dollar Loss	\$148,500	\$695,000	\$2,086,116	\$86,094	\$418,405	\$3,434,115
<b>Other Areas of Origin</b>						
# of Incidents	106	90	124	153	133	606
Dollar Loss	\$648,200	\$211,655	\$313,860	\$634,320	\$491,092	\$2,299,127
<b>Means of Egress/Exit Access/Exit Areas</b>						
# of Incidents	26	16	21	18	8	89
Dollar Loss	\$252,990	\$543,164	\$512,710	\$282,448	\$32,750	\$1,624,062
<b>(blank)</b>						
# of Incidents	432	460	510	574	514	2,490
Dollar Loss	\$40,439	\$88,881	\$63,192	\$68,556	\$110,595	\$371,663
<b>Technical Processing Areas</b>						
# of Incidents	4	6	6	4	1	21
Dollar Loss	\$0	\$5,000	\$214,500	\$55,100	\$0	\$274,600
<b>Total # of Incidents</b>	<b>2,678</b>	<b>2,303</b>	<b>2,260</b>	<b>2,537</b>	<b>2,256</b>	<b>12,034</b>
<b>Total Dollar Loss</b>	<b>\$13,792,126</b>	<b>\$21,354,250</b>	<b>\$18,509,043</b>	<b>\$18,845,996</b>	<b>\$16,152,904</b>	<b>\$88,654,319</b>

### Region 5 Fire Incidents by Heat Source (Five-year total sorted by dollar loss)

Heat Source Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Undetermined</b>						
# of Incidents	1,094	823	781	906	793	4,397
Dollar Loss	\$6,197,771	\$11,356,379	\$7,728,561	\$11,726,193	\$6,244,956	\$43,253,860
<b>Operating Equipment</b>						
# of Incidents	356	335	309	324	313	1,637
Dollar Loss	\$3,031,291	\$4,310,005	\$4,056,454	\$3,236,785	\$3,965,198	\$18,599,733
<b>Hot or Smoldering Object</b>						
# of Incidents	258	308	280	286	227	1,359
Dollar Loss	\$1,151,604	\$2,508,718	\$3,816,943	\$1,171,112	\$3,376,576	\$12,024,953
<b>Open Flame or Smoking Material</b>						
# of Incidents	224	157	161	183	159	884
Dollar Loss	\$1,700,679	\$1,853,775	\$1,128,834	\$931,744	\$1,047,052	\$6,662,084
<b>Heat Source Other</b>						
# of Incidents	121	100	117	117	109	564
Dollar Loss	\$689,406	\$677,450	\$859,792	\$653,951	\$396,220	\$3,276,819
<b>Heat Spread from Another Fire</b>						
# of Incidents	56	50	48	42	63	259
Dollar Loss	\$227,220	\$334,360	\$630,534	\$328,417	\$381,584	\$1,902,115
<b>Explosives and Fireworks</b>						
# of Incidents	98	49	34	69	39	289
Dollar Loss	\$672,188	\$56,732	\$176,100	\$31,298	\$425,473	\$1,361,791
<b>Chemical or Natural</b>						
# of Incidents	38	19	18	24	34	133
Dollar Loss	\$81,528	\$167,950	\$48,631	\$500,500	\$190,050	\$988,659
<b>(blank)</b>						
# of Incidents	432	460	510	574	514	2,490
Dollar Loss	\$40,439	\$88,881	\$63,192	\$68,556	\$110,595	\$371,663
<b>Multiple Heat Sources</b>						
# of Incidents	1	2	2	12	5	22
Dollar Loss	\$0	\$0	\$2	\$197,440	\$15,200	\$212,642
<b>Total # of Incidents</b>	<b>2,678</b>	<b>2,303</b>	<b>2,260</b>	<b>2,537</b>	<b>2,256</b>	<b>12,034</b>
<b>Total Dollar Loss</b>	<b>\$13,792,126</b>	<b>\$21,354,250</b>	<b>\$18,509,043</b>	<b>\$18,845,996</b>	<b>\$16,152,904</b>	<b>\$88,654,319</b>

**Region 5 Fire Incidents by Cause of Ignition (Five-year total sorted by dollar loss)**

<b>Cause of Ignition</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Unintentional</b>						
# of Incidents	835	825	834	893	787	4,174
Dollar Loss	\$5,889,858	\$10,427,999	\$6,865,271	\$5,566,510	\$6,594,009	\$35,343,647
<b>Cause under investigation</b>						
# of Incidents	224	202	181	203	163	973
Dollar Loss	\$4,565,079	\$3,259,003	\$3,855,979	\$6,621,267	\$5,868,530	\$24,169,858
<b>Cause undetermined after investigation</b>						
# of Incidents	697	336	280	343	310	1,966
Dollar Loss	\$2,561,930	\$2,476,077	\$2,516,435	\$5,014,626	\$1,896,207	\$14,465,275
<b>Intentional</b>						
# of Incidents	295	256	242	319	275	1,387
Dollar Loss	\$202,430	\$3,923,947	\$1,933,821	\$475,236	\$611,671	\$7,147,105
<b>Failure of equipment or heat source</b>						
# of Incidents	137	196	192	170	171	866
Dollar Loss	\$500,795	\$1,007,793	\$3,211,845	\$1,087,801	\$1,059,142	\$6,867,376
<b>(blank)</b>						
# of Incidents	432	460	510	574	514	2,490
Dollar Loss	\$40,439	\$88,881	\$63,192	\$68,556	\$110,595	\$371,663
<b>Act of nature</b>						
# of Incidents	58	26	20	34	34	172
Dollar Loss	\$31,595	\$160,550	\$7,500	\$12,000	\$11,750	\$223,395
<b>Cause, other (conversion and exposure 1 only)</b>						
# of Incidents	0	2	1	1	2	6
Dollar Loss	\$0	\$10,000	\$55,000	\$0	\$1,000	\$66,000
<b>Total # of Incidents</b>	<b>2,678</b>	<b>2,303</b>	<b>2,260</b>	<b>2,537</b>	<b>2,256</b>	<b>12,034</b>
<b>Total Dollar Loss</b>	<b>\$13,792,126</b>	<b>\$21,354,250</b>	<b>\$18,509,043</b>	<b>\$18,845,996</b>	<b>\$16,152,904</b>	<b>\$88,654,319</b>

## REGION 5 2019 Reporting Summary

% of Region Reporting = 67%		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property & Contents Loss
<b>Clark</b>	<b>% of County Reporting = 88%</b>	<b>51,033</b>	<b>2</b>	<b>2,036</b>	<b>53,071</b>	<b>\$ 12,026,430</b>
<b>06D01</b>	#9, East County Fire & Rescue	704	0	232	936	\$ 500
<b>06D03</b>	Clark #3, Brush Prairie	4,120	0	257	4,377	\$ 460,445
<b>06D06</b>	Clark #6, Hazel Dell	8,767	0	90	8,857	\$ 3,232,141
<b>06D10</b>	Clark #10, Amboy	0	0	0	0	\$ -
<b>06D13</b>	Clark #13, Yacolt	438	0	20	458	\$ 23,000
<b>06D15</b>	Clark County Fire and Rescue	4,071	2	167	4,240	\$ 976,467
<b>06M02</b>	Camas-Washougal Fire Dept	3,938	0	894	4,832	\$ 1,197,080
<b>06M05</b>	Vancouver Fire Dept	28,995	0	376	29,371	\$ 6,136,797
<b>Cowlitz</b>	<b>% of County Reporting = 100%</b>	<b>12,492</b>	<b>0</b>	<b>525</b>	<b>13,017</b>	<b>\$ 2,823,984</b>
<b>08D01</b>	Cowlitz #1, Woodland	62	0	4	66	\$ -
<b>08D02</b>	Cowlitz #2 Fire & Rescue	4,732	0	219	4,951	\$ 968,395
<b>08D03</b>	Cowlitz #3, Toutle	346	0	1	347	\$ -
<b>08D05</b>	Cowlitz #5, Kalama	743	0	111	854	\$ 7,000
<b>08D06</b>	Cowlitz #6, Castle Rock	1,468	0	93	1,561	\$ -
<b>08D07</b>	Cowlitz/Skamania #7,Ariel	33	0	3	36	\$ 5,500
<b>08M04</b>	Longview Fire Dept	5,108	0	94	5,202	\$ 1,843,089
<b>Lewis</b>	<b>% of County Reporting = 70%</b>	<b>10,313</b>	<b>0</b>	<b>1,032</b>	<b>11,345</b>	<b>\$ 1,414,200</b>
<b>21D01</b>	Lewis #1, Onalaska	395	0	18	413	\$ -
<b>21D02</b>	Lewis #2, Toledo	568	0	113	681	\$ -
<b>21D03</b>	Lewis #3, Mossyrock	312	0	31	343	\$ -
<b>21D04</b>	Lewis #4, Morton	392	0	19	411	\$ -
<b>21D05</b>	Lewis #5, Napavine	675	0	115	790	\$ -
<b>21D06</b>	Lewis #6, Chehalis	692	0	225	917	\$ 18,000
<b>21D07</b>	Lewis #20, Cowlitz-Lewis Fire	258	0	132	390	\$ -
<b>21D08</b>	Lewis #8, Salkum/Silver Creek	0	0	0	0	\$ -
<b>21D09</b>	Lewis #9, Mineral	132	0	19	151	\$ 15,000
<b>21D10</b>	Lewis #10, Packwood	0	0	0	0	\$ -
<b>21D11</b>	Lewis #11, Pe Ell	0	0	0	0	\$ -
<b>21D13</b>	Lewis #13, Curtis	99	0	51	150	\$ 12,000
<b>21D14</b>	Lewis #14, Randle Fire & EMS	353	0	12	365	\$ 3,700
<b>21D15</b>	Lewis #15, Winlock	730	0	107	837	\$ 280,000
<b>21D16</b>	Lewis #16, Doty/Dryad/Meskill	0	0	0	0	\$ -
<b>21D17</b>	Lewis #17, Big Creek	0	0	0	0	\$ -
<b>21D18</b>	Lewis #18, Glenoma	107	0	53	160	\$ 358,500
<b>21M01</b>	Riverside Fire Authority	4,049	0	53	4,102	\$ 580,000
<b>21M02</b>	Chehalis Fire Dept	1,551	0	84	1,635	\$ 147,000
<b>21M03</b>	Morton Fire Dept	0	0	0	0	\$ -

**REGION 5 2019 Reporting Summary (Continued)**

<b>% of Region Reporting = 67%</b>		<b># of Incidents</b>	<b>Exposures</b>	<b>Automatic or Mutual Aid Given</b>	<b>Total Reports</b>	<b>Total Property &amp; Contents Loss</b>
<b>Skamania</b>	<b>% of County Reporting = 22%</b>	<b>52</b>	<b>0</b>	<b>14</b>	<b>66</b>	<b>\$ 251</b>
<b>30D01</b>	Skamania #1, Carson	0	0	0	0	\$ -
<b>30D02</b>	Skamania #2, Stevenson	0	0	0	0	\$ -
<b>30D03</b>	Skamania #3, Underwood	22	0	9	31	\$ -
<b>30D04</b>	Skamania #4, Washougal	30	0	5	35	\$ 251
<b>30D05</b>	Skamania #5, Skamania	0	0	0	0	\$ -
<b>30D06</b>	Skamania #6	0	0	0	0	\$ -
<b>30M01</b>	North Bonneville Fire Dept	0	0	0	0	\$ -
<b>30M02</b>	Stevenson Fire Dept	0	0	0	0	\$ -
<b>30S01</b>	Mill-A Volunteers Fire Dept	0	0	0	0	\$ -
<b>Wahkiakum</b>	<b>% of County Reporting = 60%</b>	<b>59</b>	<b>0</b>	<b>11</b>	<b>70</b>	<b>\$ 5,100</b>
<b>35D01</b>	Wahkiakum #1, Cathlamet	1	0	0	1	\$ -
<b>35D02</b>	Wahkiakum #2, Skamokawa	0	0	0	0	\$ -
<b>35D03</b>	Wahkiakum #3, Grays River	20	0	3	23	\$ 5,100
<b>35D04</b>	Wahkiakum #4, Cathlamet	38	0	8	46	\$ -
<b>35M01</b>	Cathlamet Fire Dept	0	0	0	0	\$ -
<b>REGION 5 TOTALS</b>		<b>73,949</b>	<b>2</b>	<b>3,618</b>	<b>77,569</b>	<b>\$ 16,269,965</b>

## Region 6

Region 6 is comprised of Chelan, Douglas, Grant, and Okanogan counties. In 2019, 62% of the fire service agencies in this region reported NFIRS data to the State Fire Marshal’s Office. Below is a table summarizing the incidents that have been reported over the past five years.



### Five-Year Incident Type Summary

Incident Type Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Fire</b>						
# of Incidents	1,231	1,121	1,136	1,284	1,255	6,027
Dollar Loss	\$30,163,543	\$6,823,812	\$4,838,300	\$6,879,175	\$17,822,482	\$66,527,312
<b>Rescue and Emergency Medical Service</b>						
# of Incidents	6,139	6,555	6,599	7,082	7,567	33,942
Dollar Loss	\$6,000	\$2,000	\$31,000	\$951,300	\$302,700	\$1,293,000
<b>Hazardous Conditions (No Fire)</b>						
# of Incidents	255	272	298	306	285	1,416
Dollar Loss	\$500	\$100	\$25,500	\$1,000	\$200	\$27,300
<b>Service Calls</b>						
# of Incidents	472	390	489	487	433	2,271
Dollar Loss	\$150	\$21,000	\$1,000	\$400	\$0	\$22,550
<b>Severe Weather &amp; Natural Disaster</b>						
# of Incidents	7	1	6	14	13	41
Dollar Loss	\$0	\$0	\$0	\$20,000	\$0	\$20,000
<b>False Alarms &amp; False Calls</b>						
# of Incidents	856	867	959	1,001	1,045	4,728
Dollar Loss	\$0	\$15,000	\$0	\$0	\$0	\$15,000
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
# of Incidents	58	45	54	40	48	245
Dollar Loss	\$700	\$500	\$500	\$10,000	\$1,650	\$13,350
<b>Good Intent Calls</b>						
# of Incidents	1,517	1,433	1,461	1,596	1,716	7,723
Dollar Loss	\$0	\$0	\$1,500	\$0	\$0	\$1,500
<b>Other Types of Incidents</b>						
# of Incidents	43	21	26	27	29	146
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>10,578</b>	<b>10,705</b>	<b>11,028</b>	<b>11,837</b>	<b>12,391</b>	<b>56,539</b>
<b>Total Dollar Loss</b>	<b>\$30,170,893</b>	<b>\$6,862,412</b>	<b>\$4,897,800</b>	<b>\$7,861,875</b>	<b>\$18,127,032</b>	<b>\$67,920,012</b>

## Region 6 Fire Incidents

Over the past five years, 6,027 fire incidents, resulting in just under \$67 million in property and content loss, have been reported by fire service agencies in Region 6. Vegetation fires, accounted for nearly 40% of the five-year total and 42% of the dollar loss to property and content.

### Region 6 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category	2015	2016	2017	2018	2019	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	262	289	283	262	301	1,397
Dollar Loss	\$2,391,475	\$4,470,486	\$3,722,700	\$4,472,600	\$16,757,637	\$31,814,898
<b>Natural Vegetation Fires</b>						
# of Incidents	496	410	414	576	480	2,376
Dollar Loss	\$26,344,473	\$10,400	\$527,650	\$1,415,125	\$57,200	\$28,354,848
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	165	170	179	148	151	813
Dollar Loss	\$174,695	\$1,033,076	\$324,700	\$591,750	\$833,500	\$2,957,721
<b>Fire, other</b>						
# of Incidents	52	68	55	42	57	274
Dollar Loss	\$1,030,500	\$528,050	\$55,200	\$39,800	\$7,700	\$1,661,250
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	41	37	53	37	41	209
Dollar Loss	\$102,000	\$400,000	\$57,100	\$172,500	\$35,050	\$766,650
<b>Fixed Mobile Property Fires</b>						
# of Incidents	18	20	23	26	41	128
Dollar Loss	\$120,000	\$206,800	\$113,700	\$66,000	\$82,750	\$589,250
<b>Cultivated Vegetation Fires</b>						
# of Incidents	29	24	23	46	47	169
Dollar Loss	\$0	\$175,000	\$36,500	\$120,000	\$40,025	\$371,525
<b>Outside Rubbish Fires</b>						
# of Incidents	168	103	106	147	137	661
Dollar Loss	\$400	\$0	\$750	\$1,400	\$8,620	\$11,170
<b>Total # of Incidents</b>	<b>1,231</b>	<b>1,121</b>	<b>1,136</b>	<b>1,284</b>	<b>1,255</b>	<b>6,027</b>
<b>Total Dollar Loss</b>	<b>\$30,163,543</b>	<b>\$6,823,812</b>	<b>\$4,838,300</b>	<b>\$6,879,175</b>	<b>\$17,822,482</b>	<b>\$66,527,312</b>

**Region 6 Structure Fires by Type (Five-year total sorted by dollar loss)**

<b>Structure Fires (including confined fires)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Building fires</b>						
# of Incidents	157	166	163	165	182	833
Dollar Loss	\$2,359,825	\$4,335,386	\$3,717,200	\$4,471,300	\$16,751,387	\$31,635,098
<b>Fires in structures other than in a building</b>						
# of Incidents	8	4	10	9	6	37
Dollar Loss	\$15,350	\$100,500	\$1,500	\$1,000	\$200	\$118,550
<b>Commercial Compactor fire, confined to rubbish</b>						
# of Incidents	0	1	1	0	0	2
Dollar Loss	\$0	\$30,000	\$0	\$0	\$0	\$30,000
<b>Cooking fire, confined to container</b>						
# of Incidents	45	48	59	41	51	244
Dollar Loss	\$11,200	\$4,500	\$4,000	\$0	\$5,050	\$24,750
<b>Chimney or flue fire, confined to chimney or flue</b>						
# of Incidents	22	24	22	21	30	119
Dollar Loss	\$3,600	\$0	\$0	\$0	\$1,000	\$4,600
<b>Trash or rubbish fire, contained</b>						
# of Incidents	30	44	26	25	32	157
Dollar Loss	\$1,500	\$100	\$0	\$300	\$0	\$1,900
<b>Fuel burner/boiler malfunction, fire confined</b>						
# of Incidents	0	2	2	1	0	5
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>262</b>	<b>289</b>	<b>283</b>	<b>262</b>	<b>301</b>	<b>1,397</b>
<b>Total Dollar Loss</b>	<b>\$2,391,475</b>	<b>\$4,470,486</b>	<b>\$3,722,700</b>	<b>\$4,472,600</b>	<b>\$16,757,637</b>	<b>\$31,814,898</b>

**Region 6 Fire Incidents by Property Use (Five-year total sorted by dollar loss)**

<b>Fires by Property Use</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Outside or Special Properties</b>						
# of Incidents	684	589	579	719	680	3,251
Dollar Loss	\$26,489,073	\$228,026	\$927,200	\$2,158,175	\$351,145	\$30,153,619
<b>Manufacturing &amp; Processing</b>						
# of Incidents	17	9	20	11	10	67
Dollar Loss	\$1,035,000	\$71,700	\$50,000	\$20,000	\$12,035,000	\$13,211,700
<b>Residential</b>						
# of Incidents	330	341	347	352	356	1,726
Dollar Loss	\$1,491,720	\$2,082,136	\$2,589,150	\$1,978,100	\$4,006,787	\$12,147,893
<b>Assembly</b>						
# of Incidents	7	24	17	24	15	87
Dollar Loss	\$500	\$1,071,500	\$5,000	\$2,046,000	\$0	\$3,123,000
<b>Storage</b>						
# of Incidents	43	37	49	43	48	220
Dollar Loss	\$309,550	\$984,800	\$647,700	\$384,300	\$790,200	\$3,116,550
<b>Mercantile &amp; Business</b>						
# of Incidents	38	27	29	24	16	134
Dollar Loss	\$794,800	\$1,086,500	\$521,700	\$218,000	\$114,000	\$2,735,000
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>						
# of Incidents	68	58	65	78	86	355
Dollar Loss	\$15,000	\$1,115,000	\$88,400	\$20,200	\$45,000	\$1,283,600
<b>None</b>						
# of Incidents	4	12	3	5	6	30
Dollar Loss	\$1,100	\$44,150	\$500	\$18,000	\$470,400	\$534,150
<b>Health Care, Detention, &amp; Corrections</b>						
# of Incidents	4	4	1	3	2	14
Dollar Loss	\$500	\$140,000	\$0	\$0	\$4,200	\$144,700
<b>Educational Uses</b>						
# of Incidents	1	5	9	6	6	27
Dollar Loss	\$0	\$0	\$6,150	\$36,400	\$1,250	\$43,800
<b>Other Property Uses</b>						
# of Incidents	18	6	5	6	17	52
Dollar Loss	\$26,300	\$0	\$0	\$0	\$0	\$26,300
<b>Undetermined</b>						
# of Incidents	17	8	12	12	12	61
Dollar Loss	\$0	\$0	\$2,500	\$0	\$4,500	\$7,000
<b>(blank)</b>						
# of Incidents	0	1	0	1	1	3
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>1,231</b>	<b>1,121</b>	<b>1,136</b>	<b>1,284</b>	<b>1,255</b>	<b>6,027</b>
<b>Total Dollar Loss</b>	<b>\$30,163,543</b>	<b>\$6,823,812</b>	<b>\$4,838,300</b>	<b>\$6,879,175</b>	<b>\$17,822,482</b>	<b>\$66,527,312</b>

**Region 6 Fire Incidents by Area of Origin (Five-year total sorted by dollar loss)**

<b>Area of Origin by Category</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>(blank)</b>						
# of Incidents	333	186	115	161	201	996
Dollar Loss	\$26,359,073	\$4,900	\$530,900	\$1,052,900	\$57,695	\$28,005,468
<b>Structural Areas</b>						
# of Incidents	50	37	55	48	67	257
Dollar Loss	\$352,820	\$872,536	\$292,450	\$554,500	\$12,661,250	\$14,733,556
<b>Storage Areas</b>						
# of Incidents	36	31	45	27	47	186
Dollar Loss	\$308,200	\$788,700	\$1,865,700	\$250,300	\$2,969,937	\$6,182,837
<b>Functional Areas</b>						
# of Incidents	76	105	101	91	77	450
Dollar Loss	\$495,445	\$750,350	\$299,300	\$2,733,100	\$851,550	\$5,129,745
<b>Undetermined</b>						
# of Incidents	191	176	138	163	155	823
Dollar Loss	\$1,226,155	\$1,930,400	\$1,184,500	\$272,400	\$276,800	\$4,890,255
<b>Vehicle Areas</b>						
# of Incidents	114	140	140	125	124	643
Dollar Loss	\$96,900	\$546,276	\$333,200	\$1,258,350	\$770,650	\$3,005,376
<b>Outside Areas</b>						
# of Incidents	362	372	474	591	503	2,302
Dollar Loss	\$400,950	\$950,600	\$234,800	\$503,600	\$119,850	\$2,209,800
<b>Areas of Groups of People (Assembly)</b>						
# of Incidents	6	7	7	6	5	31
Dollar Loss	\$101,000	\$590,000	\$2,800	\$207,500	\$50,050	\$951,350
<b>Service or Equipment Areas</b>						
# of Incidents	27	26	35	32	28	148
Dollar Loss	\$536,500	\$37,050	\$94,500	\$42,025	\$2,200	\$712,275
<b>Other Areas of Origin</b>						
# of Incidents	30	33	19	33	37	152
Dollar Loss	\$35,000	\$350,300	\$0	\$4,500	\$2,500	\$392,300
<b>Means of Egress/Exit Access/Exit Areas</b>						
# of Incidents	4	3	2	2	7	18
Dollar Loss	\$251,500	\$1,000	\$0	\$0	\$60,000	\$312,500
<b>Technical Processing Areas</b>						
# of Incidents	2	5	5	5	4	21
Dollar Loss	\$0	\$1,700	\$150	\$0	\$0	\$1,850
<b>Total # of Incidents</b>	<b>1,231</b>	<b>1,121</b>	<b>1,136</b>	<b>1,284</b>	<b>1,255</b>	<b>6,027</b>
<b>Total Dollar Loss</b>	<b>\$30,163,543</b>	<b>\$6,823,812</b>	<b>\$4,838,300</b>	<b>\$6,879,175</b>	<b>\$17,822,482</b>	<b>\$66,527,312</b>

**Region 6 Fire Incidents by Heat Source (Five-year total sorted by dollar loss)**

<b>Heat Source Categories</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>(blank)</b>						
# of Incidents	333	186	115	161	201	996
Dollar Loss	\$26,359,073	\$4,900	\$530,900	\$1,052,900	\$57,695	\$28,005,468
<b>Undetermined</b>						
# of Incidents	436	480	464	558	495	2,433
Dollar Loss	\$2,446,955	\$5,367,562	\$3,449,350	\$2,171,550	\$14,185,537	\$27,620,954
<b>Operating Equipment</b>						
# of Incidents	167	173	235	170	183	928
Dollar Loss	\$794,565	\$717,250	\$707,400	\$2,806,925	\$992,300	\$6,018,440
<b>Chemical or Natural</b>						
# of Incidents	33	24	27	35	57	176
Dollar Loss	\$26,600	\$576,700	\$52,150	\$142,500	\$1,750,000	\$2,547,950
<b>Hot or Smoldering Object</b>						
# of Incidents	72	70	78	88	97	405
Dollar Loss	\$235,300	\$101,000	\$12,200	\$353,500	\$111,550	\$813,550
<b>Heat Source Other</b>						
# of Incidents	42	39	45	46	46	218
Dollar Loss	\$81,550	\$500	\$27,800	\$5,000	\$511,700	\$626,550
<b>Heat Spread from Another Fire</b>						
# of Incidents	39	33	34	75	54	235
Dollar Loss	\$107,200	\$31,000	\$1,200	\$142,500	\$194,500	\$476,400
<b>Open Flame or Smoking Material</b>						
# of Incidents	95	94	101	133	106	529
Dollar Loss	\$91,300	\$14,900	\$57,300	\$174,300	\$17,200	\$355,000
<b>Explosives and Fireworks</b>						
# of Incidents	14	21	35	17	16	103
Dollar Loss	\$21,000	\$10,000	\$0	\$30,000	\$2,000	\$63,000
<b>Multiple Heat Sources</b>						
# of Incidents	0	1	2	1	0	4
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>1,231</b>	<b>1,121</b>	<b>1,136</b>	<b>1,284</b>	<b>1,255</b>	<b>6,027</b>
<b>Total Dollar Loss</b>	<b>\$30,163,543</b>	<b>\$6,823,812</b>	<b>\$4,838,300</b>	<b>\$6,879,175</b>	<b>\$17,822,482</b>	<b>\$66,527,312</b>

**Region 6 Fire Incidents by Heat Source (Five-year total sorted by dollar loss)**

<b>Cause of Ignition</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>(blank)</b>						
# of Incidents	333	186	115	161	201	996
Dollar Loss	\$26,359,073	\$4,900	\$530,900	\$1,052,900	\$57,695	\$28,005,468
<b>Cause under investigation</b>						
# of Incidents	80	126	144	126	116	592
Dollar Loss	\$405,500	\$3,079,362	\$2,966,650	\$695,500	\$13,311,187	\$20,458,199
<b>Unintentional</b>						
# of Incidents	354	352	408	476	462	2,052
Dollar Loss	\$1,824,545	\$878,800	\$287,550	\$3,087,300	\$3,790,800	\$9,868,995
<b>Cause undetermined after investigation</b>						
# of Incidents	187	192	172	193	168	912
Dollar Loss	\$1,223,605	\$1,541,450	\$630,400	\$1,055,750	\$375,950	\$4,827,155
<b>Failure of equipment or heat source</b>						
# of Incidents	109	117	131	108	121	586
Dollar Loss	\$227,700	\$287,250	\$360,300	\$638,400	\$281,350	\$1,795,000
<b>Cause, other (conversion and exposure 1 only)</b>						
# of Incidents	15	5	8	4	0	32
Dollar Loss	\$97,920	\$856,000	\$0	\$5,000	\$0	\$958,920
<b>Act of nature</b>						
# of Incidents	40	29	40	42	54	205
Dollar Loss	\$0	\$175,550	\$52,000	\$142,525	\$0	\$370,075
<b>Intentional</b>						
# of Incidents	113	114	118	174	133	652
Dollar Loss	\$25,200	\$500	\$10,500	\$201,800	\$5,500	\$243,500
<b>Total # of Incidents</b>	<b>1,231</b>	<b>1,121</b>	<b>1,136</b>	<b>1,284</b>	<b>1,255</b>	<b>6,027</b>
<b>Total Dollar Loss</b>	<b>\$30,163,543</b>	<b>\$6,823,812</b>	<b>\$4,838,300</b>	<b>\$6,879,175</b>	<b>\$17,822,482</b>	<b>\$66,527,312</b>

## REGION 6 2019 Reporting Summary

% of Region Reporting = 62%		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property & Contents Loss
<b>Chelan</b>	<b>% of County Reporting = 88%</b>	<b>4,699</b>	<b>0</b>	<b>383</b>	<b>5,082</b>	<b>\$ 13,354,487</b>
<b>04D01</b>	Chelan #1, Sunnyslope	1,901	0	167	2,068	\$ 20,000
<b>04D03</b>	Chelan #3, Leavenworth	513	0	93	606	\$ 255,000
<b>04D05</b>	Chelan #5, Manson	334	0	72	406	\$ 75,000
<b>04D06</b>	Chelan #6, Monitor/Dryden	461	0	29	490	\$ -
<b>04D07</b>	Chelan #7, Chelan Fire & Resc	865	0	17	882	\$ 684,487
<b>04D08</b>	Chelan #8, Entiat	227	0	0	227	\$ -
<b>04D09</b>	Chelan #9, Lake Wenatchee	289	0	5	294	\$ -
<b>04D10</b>	Chelan #10, Stehekin	0	0	0	0	\$ -
<b>04M01</b>	Cashmere Fire Dept	109	0	0	109	\$ 12,320,000
<b>Douglas</b>	<b>% of County Reporting = 50%</b>	<b>1,503</b>	<b>0</b>	<b>106</b>	<b>1,609</b>	<b>\$ 513,950</b>
<b>09D01</b>	Douglas #1, Waterville	0	0	0	0	\$ -
<b>09D02</b>	Douglas #2, E. Wenatchee	1,318	0	89	1,407	\$ -
<b>09D03</b>	Douglas #3	0	0	0	0	\$ -
<b>09D04</b>	Douglas #4, Orondo	126	0	15	141	\$ 502,950
<b>09D05</b>	Douglas #5, Mansfield	59	0	2	61	\$ 11,000
<b>09M01</b>	Bridgeport Fire Dept	0	0	0	0	\$ -
<b>Grant</b>	<b>% of County Reporting = 83%</b>	<b>5,312</b>	<b>1</b>	<b>782</b>	<b>6,095</b>	<b>\$ 1,305,400</b>
<b>13D03</b>	Grant #3, Quincy	877	0	14	891	\$ -
<b>13D04</b>	Grant #4, Warden	316	0	12	328	\$ -
<b>13D05</b>	Grant #5, Moses Lake	1,315	0	24	1,339	\$ -
<b>13D06</b>	Grant #6, Hartline	7	0	16	23	\$ -
<b>13D07</b>	Grant #7, Soap Lake	477	0	5	482	\$ 124,700
<b>13D08</b>	Grant #8, Mattawa	10	0	569	579	\$ -
<b>13D10</b>	Grant #10, Royal Slope	288	0	14	302	\$ -
<b>13D11</b>	Grant #11, E Royal Slope	80	0	1	81	\$ -
<b>13D12</b>	Grant #12, Wilson Creek	0	0	0	0	\$ -
<b>13D13</b>	Grant #13, Ephrata	140	0	37	177	\$ -
<b>13D14</b>	Grant #14	0	0	0	0	\$ -
<b>13D15</b>	Grant #15, Moses Lake	0	0	0	0	\$ -
<b>13M01</b>	Coulee City/Douglas #8	15	0	12	27	\$ 120,000
<b>13M03</b>	Electric City Fire Dept	9	1	11	21	\$ -
<b>13M04</b>	Ephrata Fire Dept	408	0	30	438	\$ -
<b>13M05</b>	Grand Coulee Fire Dept	20	0	17	37	\$ 20,950
<b>13M08</b>	Moses Lake Fire Dept	1,298	0	14	1,312	\$ 1,039,750
<b>17S02</b>	Port of Moses Lake	52	0	6	58	\$ -

**REGION 6 2019 Reporting Summary (Continued)**

<b>% of Region Reporting = 62%</b>		<b># of Incidents</b>	<b>Exposures</b>	<b>Automatic or Mutual Aid Given</b>	<b>Total Reports</b>	<b>Total Property &amp; Contents Loss</b>
<b>Okanogan</b>	<b>% of County Reporting = 35%</b>	<b>877</b>	<b>0</b>	<b>145</b>	<b>1,022</b>	<b>\$ 2,953,195</b>
<b>24D02</b>	Okanogan #2, Elmer City	0	0	0	0	\$ -
<b>24D03</b>	Okanogan #3	190	0	24	214	\$ 61,300
<b>24D04</b>	Okanogan #4, Tonasket	119	0	42	161	\$ 177,300
<b>24D06</b>	Okanogan #6, Twisp/Winthrop	302	0	6	308	\$ 2,521,150
<b>24D07</b>	Okanogan #7, Riverside	0	0	0	0	\$ -
<b>24D08</b>	Okanogan #8, Okanogan	0	0	0	0	\$ -
<b>24D09</b>	Okanogan #9	1	0	1	2	\$ -
<b>24D10</b>	Okanogan #10, Loomis	0	0	0	0	\$ -
<b>24D11</b>	Okanogan #11, Molson/Chesaw	0	0	0	0	\$ -
<b>24D12</b>	Okanogan #12	0	0	0	0	\$ -
<b>24D15</b>	Douglas/Okanogan #15	108	0	31	139	\$ -
<b>24D16</b>	Okanogan #16, Aeneas Valley	0	0	0	0	\$ -
<b>24M00</b>	Brewster Fire Dept	0	0	0	0	\$ -
<b>24M01</b>	Coulee Dam Fire Dept	0	0	0	0	\$ -
<b>24M03</b>	Nespelem Fire Dept	0	0	0	0	\$ -
<b>24M04</b>	Okanogan Fire Dept	24	0	31	55	\$ 123,000
<b>24M05</b>	Omak Fire Dept	133	0	10	143	\$ 70,445
<b>24M06</b>	Okanogan #1, Oroville Fire Dept	0	0	0	0	\$ -
<b>24M07</b>	Pateros Fire Dept	0	0	0	0	\$ -
<b>24M11</b>	Conconully Fire Dept	0	0	0	0	\$ -
<b>REGION 6 TOTALS</b>		<b>12,391</b>	<b>1</b>	<b>1,416</b>	<b>13,808</b>	<b>\$ 18,127,032</b>

## Region 7

Region 7 is comprised of Kittitas, Klickitat, and Yakima counties. In 2019, 63% of the fire service agencies in this region reported NFIRS data to the SFMO. Below is a table summarizing the incidents that have been reported over the past five years.



### Five-Year Incident Type Summary

Incident Type Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Fire</b>						
# of Inc	1,571	1,379	1,526	1,821	1,598	7,895
Dollar Loss	\$10,365,883	\$14,200,985	\$19,215,333	\$19,351,859	\$18,145,678	\$81,279,738
<b>Rescue and Emergency Medical Service</b>						
# of Inc	17,062	16,928	18,157	19,289	20,279	91,715
Dollar Loss	\$135,800	\$100,000	\$11,500	\$119,600	\$142,000	\$508,900
<b>Service Calls</b>						
# of Inc	1,549	1,415	1,689	1,907	1,788	8,348
Dollar Loss	\$36,285	\$113,300	\$202,000	\$12,750	\$123,000	\$487,335
<b>Hazardous Conditions (No Fire)</b>						
# of Inc	501	408	531	492	508	2,440
Dollar Loss	\$360,050	\$7,100	\$40,950	\$9,770	\$65,220	\$483,090
<b>Severe Weather &amp; Natural Disaster</b>						
# of Inc	12	11	19	4	18	64
Dollar Loss	\$85,000	\$0	\$0	\$0	\$0	\$85,000
<b>Good Intent Calls</b>						
# of Inc	2,680	2,791	3,097	3,456	3,227	15,251
Dollar Loss	\$9,100	\$50	\$500	\$0	\$6,100	\$15,750
<b>False Alarms &amp; False Calls</b>						
# of Inc	1,247	1,151	1,344	1,324	1,455	6,521
Dollar Loss	\$0	\$10,050	\$5,400	\$0	\$0	\$15,450
<b>Other Types of Incidents</b>						
# of Inc	95	72	245	116	82	610
Dollar Loss	\$0	\$0	\$10,000	\$200	\$0	\$10,200
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
# of Inc	29	29	35	27	29	149
Dollar Loss	\$965	\$500	\$100	\$1,000	\$150	\$2,715
<b>Total # of Incidents</b>	<b>24,746</b>	<b>24,184</b>	<b>26,643</b>	<b>28,436</b>	<b>28,984</b>	<b>132,993</b>
<b>Total Dollar Loss</b>	<b>\$10,993,083</b>	<b>\$14,431,985</b>	<b>\$19,485,783</b>	<b>\$19,495,179</b>	<b>\$18,482,148</b>	<b>\$82,888,178</b>

## Region 7 Fire Incidents

Over the past five years, 7,895 fire incidents, resulting in more than \$81 million in property and content loss, have been reported by fire service agencies in Region 7. Structure fires, including confined fires, accounted for 29% of the five-year total and nearly 75% of the dollar loss to property and content.

### Region 7 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category	2015	2016	2017	2018	2019	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	412	414	460	536	470	2,292
Dollar Loss	\$6,857,890	\$10,783,550	\$14,147,010	\$14,332,990	\$14,949,020	\$61,070,460
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	252	251	252	249	261	1,265
Dollar Loss	\$1,164,720	\$2,599,875	\$1,942,923	\$1,654,000	\$2,004,171	\$9,365,689
<b>Natural Vegetation Fires</b>						
# of Incidents	580	433	502	642	512	2,669
Dollar Loss	\$369,750	\$235,960	\$2,677,500	\$1,174,889	\$489,900	\$4,947,999
<b>Cultivated Vegetation Fires</b>						
# of Incidents	28	17	15	29	17	106
Dollar Loss	\$903,400	\$185,500	\$48,000	\$724,380	\$342,800	\$2,204,080
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	78	59	61	64	63	325
Dollar Loss	\$812,683	\$126,925	\$42,600	\$1,045,155	\$143,250	\$2,170,613
<b>Fire, other</b>						
# of Incidents	95	84	104	139	106	528
Dollar Loss	\$128,460	\$207,950	\$142,850	\$127,310	\$169,101	\$775,671
<b>Fixed Mobile Property Fires</b>						
# of Incidents	16	15	18	18	16	83
Dollar Loss	\$123,300	\$55,200	\$198,500	\$281,050	\$37,700	\$695,750
<b>Outside Rubbish Fires</b>						
# of Incidents	110	106	114	144	153	627
Dollar Loss	\$5,680	\$6,025	\$15,950	\$12,085	\$9,736	\$49,476
<b>Total # of Incidents</b>	<b>1,571</b>	<b>1,379</b>	<b>1,526</b>	<b>1,821</b>	<b>1,598</b>	<b>7,895</b>
<b>Total Dollar Loss</b>	<b>\$10,365,883</b>	<b>\$14,200,985</b>	<b>\$19,215,333</b>	<b>\$19,351,859</b>	<b>\$18,145,678</b>	<b>\$81,279,738</b>

**Region 7 Structure Fires by Type (Five-year total sorted by dollar loss)**

<b>Structure Fires (including confined fires)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Building fires</b>						
# of Incidents	242	225	272	284	290	1,313
Dollar Loss	\$6,761,505	\$10,562,760	\$13,912,510	\$14,261,340	\$14,889,145	\$60,387,260
<b>Fires in structures other than in a building</b>						
# of Incidents	10	13	18	12	12	65
Dollar Loss	\$73,400	\$206,100	\$122,600	\$8,350	\$44,100	\$454,550
<b>Chimney or flue fire, confined to chimney or flue</b>						
# of Incidents	34	31	34	33	24	156
Dollar Loss	\$14,500	\$1,100	\$95,000	\$7,000	\$1,500	\$119,100
<b>Cooking fire, confined to container</b>						
# of Incidents	71	68	56	93	64	352
Dollar Loss	\$5,365	\$7,360	\$13,800	\$42,605	\$11,000	\$80,130
<b>Trash or rubbish fire, contained</b>						
# of Incidents	53	71	76	105	70	375
Dollar Loss	\$3,120	\$6,180	\$2,300	\$1,695	\$2,775	\$16,070
<b>Commercial Compactor fire, confined to rubbish</b>						
# of Incidents	1	1	1	7	2	12
Dollar Loss	\$0	\$0	\$800	\$12,000	\$0	\$12,800
<b>Fuel burner/boiler malfunction, fire confined</b>						
# of Incidents	1	5	1	1	6	14
Dollar Loss	\$0	\$50	\$0	\$0	\$500	\$550
<b>Incinerator overload or malfunction, fire confined</b>						
# of Incidents	0	0	2	1	2	5
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>412</b>	<b>414</b>	<b>460</b>	<b>536</b>	<b>470</b>	<b>2,292</b>
<b>Total Dollar Loss</b>	<b>\$6,857,890</b>	<b>\$10,783,550</b>	<b>\$14,147,010</b>	<b>\$14,332,990</b>	<b>\$14,949,020</b>	<b>\$61,070,460</b>

**Region 7 Fire Incidents by Property Use (Five-year total sorted by dollar loss)**

<b>Fires by Property Use</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Residential</b>						
# of Incidents	521	488	519	614	502	2,644
Dollar Loss	\$5,409,200	\$9,662,795	\$6,155,890	\$10,722,244	\$7,671,291	\$39,621,420
<b>Storage</b>						
# of Incidents	45	42	47	61	68	263
Dollar Loss	\$1,766,343	\$642,600	\$5,801,750	\$2,111,000	\$6,144,080	\$16,465,773
<b>Outside or Special Properties</b>						
# of Incidents	792	684	791	899	857	4,023
Dollar Loss	\$1,423,030	\$1,298,430	\$3,545,393	\$1,908,565	\$1,894,112	\$10,069,530
<b>Manufacturing &amp; Processing</b>						
# of Incidents	17	8	17	16	22	80
Dollar Loss	\$280,400	\$1,096,000	\$430,500	\$2,949,500	\$1,447,000	\$6,203,400
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>						
# of Incidents	59	37	41	42	41	220
Dollar Loss	\$1,293,140	\$489,000	\$963,000	\$408,350	\$319,395	\$3,472,885
<b>Mercantile &amp; Business</b>						
# of Incidents	32	39	37	40	51	199
Dollar Loss	\$28,010	\$444,500	\$1,778,750	\$129,000	\$258,050	\$2,638,310
<b>Assembly</b>						
# of Incidents	14	27	29	45	23	138
Dollar Loss	\$49,550	\$448,950	\$455,650	\$1,091,760	\$168,700	\$2,214,610
<b>Health Care, Detention, &amp; Corrections</b>						
# of Incidents	9	2	4	8	12	35
Dollar Loss	\$2,910	\$0	\$500	\$9,500	\$241,000	\$253,910
<b>None</b>						
# of Incidents	55	33	15	60	2	165
Dollar Loss	\$38,000	\$90,000	\$80,000	\$0	\$0	\$208,000
<b>Educational Uses</b>						
# of Incidents	7	7	6	13	7	40
Dollar Loss	\$75,000	\$28,600	\$0	\$940	\$2,050	\$106,590
<b>Other Property Uses</b>						
# of Incidents	19	10	14	18	10	71
Dollar Loss	\$300	\$110	\$3,900	\$21,000	\$0	\$25,310
<b>(blank)</b>						
# of Incidents	0	0	4	3	0	7
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Undetermined</b>						
# of Incidents	1	2	2	2	3	10
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>1,571</b>	<b>1,379</b>	<b>1,526</b>	<b>1,821</b>	<b>1,598</b>	<b>7,895</b>
<b>Total Dollar Loss</b>	<b>\$10,365,883</b>	<b>\$14,200,985</b>	<b>\$19,215,333</b>	<b>\$19,351,859</b>	<b>\$18,145,678</b>	<b>\$81,279,738</b>

**Region 7 Fire Incidents by Area of Origin (Five-year total sorted by dollar loss)**

<b>Area of Origin by Category</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Undetermined</b>						
# of Incidents	134	141	186	223	177	861
Dollar Loss	\$1,646,750	\$3,986,150	\$4,615,950	\$1,763,020	\$3,669,043	\$15,680,913
<b>Structural Areas</b>						
# of Incidents	83	85	92	74	102	436
Dollar Loss	\$1,973,900	\$2,587,075	\$2,819,300	\$1,226,550	\$4,018,640	\$12,625,465
<b>Service or Equipment Areas</b>						
# of Incidents	24	24	29	40	41	158
Dollar Loss	\$493,900	\$275,450	\$3,299,000	\$6,426,000	\$416,700	\$10,911,050
<b>Functional Areas</b>						
# of Incidents	136	149	152	153	148	738
Dollar Loss	\$1,382,340	\$2,385,170	\$1,460,550	\$2,420,640	\$2,360,045	\$10,008,745
<b>Outside Areas</b>						
# of Incidents	632	493	543	715	614	2,997
Dollar Loss	\$2,411,193	\$630,915	\$562,700	\$2,402,580	\$3,095,236	\$9,102,624
<b>Vehicle Areas</b>						
# of Incidents	218	212	204	216	225	1,075
Dollar Loss	\$1,211,320	\$2,261,700	\$1,507,873	\$1,440,550	\$1,846,879	\$8,268,322
<b>Storage Areas</b>						
# of Incidents	49	48	70	61	65	293
Dollar Loss	\$663,510	\$1,410,325	\$1,710,900	\$1,600,700	\$1,674,710	\$7,060,145
<b>(blank)</b>						
# of Incidents	193	137	125	190	121	766
Dollar Loss	\$116,960	\$204,200	\$2,370,000	\$1,027,154	\$419,500	\$4,137,814
<b>Other Areas of Origin</b>						
# of Incidents	82	69	97	126	81	455
Dollar Loss	\$165,900	\$222,200	\$293,000	\$554,465	\$42,000	\$1,277,565
<b>Areas of Groups of People (Assembly)</b>						
# of Incidents	8	14	14	11	11	58
Dollar Loss	\$172,600	\$89,300	\$453,060	\$409,000	\$94,000	\$1,217,960
<b>Means of Egress/Exit Access/Exit Areas</b>						
# of Incidents	10	6	10	10	9	45
Dollar Loss	\$122,510	\$148,500	\$13,500	\$61,200	\$393,925	\$739,635
<b>Technical Processing Areas</b>						
# of Incidents	2	1	4	2	4	13
Dollar Loss	\$5,000	\$0	\$109,500	\$20,000	\$115,000	\$249,500
<b>Total # of Incidents</b>	<b>1,571</b>	<b>1,379</b>	<b>1,526</b>	<b>1,821</b>	<b>1,598</b>	<b>7,895</b>
<b>Total Dollar Loss</b>	<b>\$10,365,883</b>	<b>\$14,200,985</b>	<b>\$19,215,333</b>	<b>\$19,351,859</b>	<b>\$18,145,678</b>	<b>\$81,279,738</b>

**Region 7 Fire Incidents by Heat Source (Five-year total sorted by dollar loss)**

<b>Heat Source Categories</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Undetermined</b>						
# of Incidents	648	545	720	864	700	3,477
Dollar Loss	\$5,847,673	\$8,981,785	\$9,905,430	\$10,509,785	\$9,909,206	\$45,153,879
<b>Operating Equipment</b>						
# of Incidents	263	265	266	251	263	1,308
Dollar Loss	\$1,940,665	\$1,490,895	\$2,339,362	\$1,947,760	\$4,554,470	\$12,273,152
<b>Open Flame or Smoking Material</b>						
# of Incidents	137	148	111	152	165	713
Dollar Loss	\$297,100	\$1,290,905	\$2,959,000	\$3,799,905	\$1,037,625	\$9,384,535
<b>(blank)</b>						
# of Incidents	193	137	125	190	121	766
Dollar Loss	\$116,960	\$204,200	\$2,370,000	\$1,027,154	\$419,500	\$4,137,814
<b>Hot or Smoldering Object</b>						
# of Incidents	104	99	104	130	114	551
Dollar Loss	\$674,300	\$1,010,200	\$740,600	\$1,253,890	\$366,002	\$4,044,992
<b>Heat Source Other</b>						
# of Incidents	84	79	91	107	83	444
Dollar Loss	\$350,825	\$951,500	\$90,200	\$483,715	\$535,500	\$2,411,740
<b>Chemical or Natural</b>						
# of Incidents	25	11	16	14	37	103
Dollar Loss	\$493,610	\$142,500	\$300,100	\$34,050	\$1,016,210	\$1,986,470
<b>Heat Spread from Another Fire</b>						
# of Incidents	68	51	56	69	49	293
Dollar Loss	\$635,100	\$125,500	\$502,641	\$167,200	\$132,115	\$1,562,556
<b>Explosives and Fireworks</b>						
# of Incidents	48	44	37	42	64	235
Dollar Loss	\$6,350	\$3,500	\$8,000	\$124,400	\$69,550	\$211,800
<b>Multiple Heat Sources</b>						
# of Incidents	1	0	0	2	2	5
Dollar Loss	\$3,300	\$0	\$0	\$4,000	\$105,500	\$112,800
<b>Total # of Incidents</b>	<b>1,571</b>	<b>1,379</b>	<b>1,526</b>	<b>1,821</b>	<b>1,598</b>	<b>7,895</b>
<b>Total Dollar Loss</b>	<b>\$10,365,883</b>	<b>\$14,200,985</b>	<b>\$19,215,333</b>	<b>\$19,351,859</b>	<b>\$18,145,678</b>	<b>\$81,279,738</b>

**Region 7 Fire Incidents by Cause of Ignition (Five-year total sorted by dollar loss)**

<b>Cause of Ignition</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Cause under investigation</b>						
# of Incidents	151	163	216	255	231	1,016
Dollar Loss	\$3,756,703	\$5,218,600	\$4,306,750	\$8,283,405	\$10,267,308	\$31,832,766
<b>Unintentional</b>						
# of Incidents	628	562	595	686	544	3,015
Dollar Loss	\$3,237,650	\$6,382,695	\$9,092,612	\$4,395,215	\$3,490,029	\$26,598,201
<b>Failure of equipment or heat source</b>						
# of Incidents	182	145	169	162	187	845
Dollar Loss	\$1,328,820	\$1,088,435	\$1,036,350	\$964,100	\$2,384,710	\$6,802,415
<b>Cause undetermined after investigation</b>						
# of Incidents	156	153	200	222	203	934
Dollar Loss	\$466,350	\$825,275	\$530,080	\$4,121,595	\$443,881	\$6,387,181
<b>Intentional</b>						
# of Incidents	222	190	175	267	261	1,115
Dollar Loss	\$956,400	\$302,280	\$1,728,400	\$463,605	\$804,550	\$4,255,235
<b>(blank)</b>						
# of Incidents	193	137	125	190	121	766
Dollar Loss	\$116,960	\$204,200	\$2,370,000	\$1,027,154	\$419,500	\$4,137,814
<b>Act of nature</b>						
# of Incidents	37	27	34	29	49	176
Dollar Loss	\$503,000	\$35,500	\$5,000	\$40,550	\$320,700	\$904,750
<b>Cause, other (conversion and exposure 1 only)</b>						
# of Incidents	2	2	12	10	2	28
Dollar Loss	\$0	\$144,000	\$146,141	\$56,235	\$15,000	\$361,376
<b>Total # of Incidents</b>	<b>1,571</b>	<b>1,379</b>	<b>1,526</b>	<b>1,821</b>	<b>1,598</b>	<b>7,895</b>
<b>Total Dollar Loss</b>	<b>\$10,365,883</b>	<b>\$14,200,985</b>	<b>\$19,215,333</b>	<b>\$19,351,859</b>	<b>\$18,145,678</b>	<b>\$81,279,738</b>

REGION 7 2019 Reporting Summary						
% of Region Reporting = 63%		# of Incidents	Exposures	Automatic or Mutual Aid	Total Reports	Total Property & Contents Loss
<b>Kittitas</b>	<b>% of County Reporting = 67%</b>	<b>5,407</b>	<b>0</b>	<b>69</b>	<b>5,476</b>	<b>\$ 3,096,050</b>
19D01	Kittitas #1, Thorp	199	0	1	200	\$ -
19D02	Kittitas #2, Kittitas Valley	3,777	0	13	3,790	\$ 3,086,050
19D03	Kittitas #3, Easton	0	0	0	0	\$ -
19D04	Kittitas #4, Vantage	0	0	0	0	\$ -
19D06	Kittitas #6, Lake Cle Elum	93	0	8	101	\$ -
19D07	Kittitas #7	668	0	26	694	\$ 10,000
19M01	Cle Elum Fire Dept	591	0	20	611	\$ -
19M04	Roslyn Fire Dept	0	0	0	0	\$ -
19M05	S. Cle Elum Fire Dept	79	0	1	80	\$ -
<b>Klickitat</b>	<b>% of County Reporting = 33%</b>	<b>814</b>	<b>0</b>	<b>297</b>	<b>1,111</b>	<b>\$ 530,000</b>
20D01	Klickitat #1, Trout Lake	0	0	0	0	\$ -
20D02	Klickitat #2, Bickleton	0	0	0	0	\$ -
20D03	Klickitat #3, Husum/Cherry LN	137	0	121	258	\$ 368,000
20D04	Klickitat #4, Lyle	128	0	33	161	\$ -
20D05	Klickitat #5, Centerville	4	0	0	4	\$ -
20D06	Klickitat #6, Dallesport	0	0	0	0	\$ -
20D07	Klickitat #7, Goldendale	266	0	16	282	\$ -
20D08	Klickitat #8, Glenwood	0	0	0	0	\$ -
20D09	Klickitat #9, Roosevelt	0	0	0	0	\$ -
20D10	Klickitat #10, Alderdale	0	0	0	0	\$ -
20D11	Klickitat #11, Wishram	0	0	0	0	\$ -
20D12	Klickitat #12, Klickitat	0	0	0	0	\$ -
20D13	Klickitat #13, Appleton	0	0	0	0	\$ -
20D14	Klickitat #14, High Prairie	0	0	0	0	\$ -
20D15	Klickitat #15, Wahkiacus	0	0	0	0	\$ -
20M01	Bingen Fire Dept	0	0	0	0	\$ -
20M02	Goldendale Fire Dept	183	0	6	189	\$ 12,000
20M03	White Salmon Fire Dept	96	0	121	217	\$ 150,000
<b>Yakima</b>	<b>% of County Reporting = 89%</b>	<b>22,763</b>	<b>2</b>	<b>858</b>	<b>23,623</b>	<b>\$ 14,856,098</b>
39D01	Yakima #1, Highland	259	0	21	280	\$ 61,660
39D02	Yakima #2, Selah	1,660	0	25	1,685	\$ 772,000
39D03	Yakima #3, Naches	0	0	0	0	\$ -
39D04	Yakima #4, East Valley	1,208	0	11	1,219	\$ 533,000
39D05	Yakima #5, Zillah	2,712	2	45	2,759	\$ 3,964,842
39D06	Yakima #6, Glead	303	0	25	328	\$ -
39D07	Yakima #7, Glade	1	0	0	1	\$ -
39D09	Yakima #9, Naches Heights	109	0	24	133	\$ 48,500
39D11	Yakima #11, Broadway	0	0	0	0	\$ -
39D12	Yakima #12, West Valley	814	0	60	874	\$ 243,005
39D14	Yakima #14, Nile/Cliffdell	113	0	7	120	\$ -
39M01	Grandview Fire Dept	719	0	5	724	\$ 2,385,100
39M02	Granger Fire Dept	172	0	3	175	\$ 302,900
39M03	Mabton Fire Department	105	0	7	112	\$ 45,100
39M06	Sunnyside Fire Dept	2,488	0	266	2,754	\$ 169,280
39M08	Toppenish Fire Dept	807	0	310	1,117	\$ 953,952
39M10	Wapato Fire Dept	544	0	5	549	\$ 550,000
39M11	Yakima Fire Dept	10,521	0	30	10,551	\$ 4,826,759
39M12	Zillah Fire Dept	228	0	14	242	\$ -
<b>REGION 7 TOTALS</b>		<b>28,984</b>	<b>2</b>	<b>1,224</b>	<b>30,210</b>	<b>\$ 18,482,148</b>

## Region 8

Region 8 is comprised of Adams, Asotin, Benton, Columbia, Garfield, Franklin, Walla Walla, and Whitman counties. In 2019, 47% of the fire service agencies in this region reported NFIRS data to the SFMO. Below is a table summarizing the incidents that have been reported over the past five years.



### Five-Year Incident Type Summary

Incident Type Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Fire</b>						
# of Incidents	1,579	1,133	1,257	1,701	1,394	7,064
Dollar Loss	\$11,401,504	\$8,944,236	\$6,232,233	\$20,464,886	\$16,109,788	\$63,152,647
<b>Rescue and Emergency Medical Service</b>						
# of Incidents	21,306	17,388	18,695	21,948	23,602	102,939
Dollar Loss	\$308,000	\$16,000	\$70,250	\$8,000	\$89,000	\$491,250
<b>Good Intent Calls</b>						
# of Incidents	2,538	1,912	2,397	3,079	4,004	13,930
Dollar Loss	\$0	\$0	\$25	\$3,000	\$220,000	\$223,025
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
# of Incidents	33	23	39	33	45	173
Dollar Loss	\$0	\$0	\$500	\$130,000	\$1,515	\$132,015
<b>Hazardous Conditions (No Fire)</b>						
# of Incidents	556	386	543	596	628	2,709
Dollar Loss	\$10,000	\$5,500	\$22,500	\$2,300	\$10,000	\$50,300
<b>False Alarms &amp; False Calls</b>						
# of Incidents	2,751	2,163	2,410	2,854	2,941	13,119
Dollar Loss	\$33,000	\$0	\$10,500	\$0	\$0	\$43,500
<b>Service Calls</b>						
# of Incidents	1,693	1,592	1,865	2,369	2,398	9,917
Dollar Loss	\$0	\$0	\$0	\$16,500	\$25,000	\$41,500
<b>Other Types of Incidents</b>						
# of Incidents	104	64	57	85	77	387
Dollar Loss	\$0	\$0	\$100	\$0	\$0	\$100
<b>Severe Weather &amp; Natural Disaster</b>						
# of Incidents	20	10	14	6	19	69
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Undetermined Type of Incident</b>						
# of Incidents	0	0	0	2	0	2
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>30,580</b>	<b>24,671</b>	<b>27,277</b>	<b>32,673</b>	<b>35,108</b>	<b>150,309</b>
<b>Total Dollar Loss</b>	<b>\$11,752,504</b>	<b>\$8,965,736</b>	<b>\$6,336,108</b>	<b>\$20,624,686</b>	<b>\$16,455,303</b>	<b>\$64,134,337</b>

## Region 8 Fire Incidents

Over the past five years, 7,064 fire incidents, resulting in more than \$63 million in property and content loss, have been reported by fire service agencies in Region 8. Structure fires, including confined fires, accounted for nearly 29% of the five-year total and 81% of the dollar loss to property and content.

### Region 8 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category	2015	2016	2017	2018	2019	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	461	326	351	468	447	2,053
Dollar Loss	\$9,730,525	\$7,770,580	\$4,735,133	\$15,790,649	\$13,587,044	\$51,613,931
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	223	152	205	256	237	1,073
Dollar Loss	\$664,490	\$420,965	\$943,550	\$2,025,801	\$1,579,793	\$5,634,599
<b>Natural Vegetation Fires</b>						
# of Incidents	511	369	397	588	405	2,270
Dollar Loss	\$89,500	\$507,752	\$319,950	\$2,396,951	\$512,773	\$3,826,926
<b>Cultivated Vegetation Fires</b>						
# of Incidents	41	31	23	37	29	161
Dollar Loss	\$646,879	\$90,064	\$16,500	\$2,000	\$110,821	\$866,264
<b>Fixed Mobile Property Fires</b>						
# of Incidents	14	10	16	16	19	75
Dollar Loss	\$50,800	\$90,500	\$90,050	\$109,300	\$250,800	\$591,450
<b>Outside Rubbish Fires</b>						
# of Incidents	169	113	143	225	159	809
Dollar Loss	\$208,700	\$60,250	\$118,775	\$26,475	\$19,357	\$433,557
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	56	40	50	52	45	243
Dollar Loss	\$910	\$2,625	\$2,350	\$110,915	\$43,700	\$160,500
<b>Fire, other</b>						
# of Incidents	104	92	72	59	52	379
Dollar Loss	\$9,700	\$1,500	\$5,925	\$2,795	\$5,500	\$25,420
<b>Structure fire, other (conversion only)</b>						
# of Incidents	0	0	0	0	1	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>1,579</b>	<b>1,133</b>	<b>1,257</b>	<b>1,701</b>	<b>1,394</b>	<b>7,064</b>
<b>Total Dollar Loss</b>	<b>\$11,401,504</b>	<b>\$8,944,236</b>	<b>\$6,232,233</b>	<b>\$20,464,886</b>	<b>\$16,109,788</b>	<b>\$63,152,647</b>

**Region 8 Structure Fires by Type (Five-year total sorted by dollar loss)**

<b>Structure Fires (including confined fires)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Building fires</b>						
# of Incidents	280	178	196	253	234	1,141
Dollar Loss	\$9,654,625	\$7,402,450	\$4,714,297	\$15,520,109	\$13,425,508	\$50,716,989
<b>Fires in structures other than in a building</b>						
# of Incidents	7	7	5	20	18	57
Dollar Loss	\$51,000	\$361,500	\$10,000	\$239,100	\$123,860	\$785,460
<b>Cooking fire, confined to container</b>						
# of Incidents	106	70	89	133	115	513
Dollar Loss	\$24,300	\$4,765	\$7,036	\$29,395	\$30,868	\$96,364
<b>Trash or rubbish fire, contained</b>						
# of Incidents	55	50	39	47	52	243
Dollar Loss	\$600	\$305	\$2,250	\$1,845	\$1,893	\$6,893
<b>Fuel burner/boiler malfunction, fire confined</b>						
# of Incidents	4	4	1	3	8	20
Dollar Loss	\$0	\$500	\$50	\$0	\$4,850	\$5,400
<b>Chimney or flue fire, confined to chimney or flue</b>						
# of Incidents	9	17	20	12	19	77
Dollar Loss	\$0	\$1,060	\$1,000	\$200	\$65	\$2,325
<b>Incinerator overload or malfunction, fire confined</b>						
# of Incidents	0	0	1	0	1	2
Dollar Loss	\$0	\$0	\$500	\$0	\$0	\$500
<b>Structure fire, other (conversion only)</b>						
# of Incidents	0	0	0	0	1	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>461</b>	<b>326</b>	<b>351</b>	<b>468</b>	<b>448</b>	<b>2,054</b>
<b>Total Dollar Loss</b>	<b>\$9,730,525</b>	<b>\$7,770,580</b>	<b>\$4,735,133</b>	<b>\$15,790,649</b>	<b>\$13,587,044</b>	<b>\$51,613,931</b>

**Region 8 Fire Incidents by Property Use (Five-year total sorted by dollar loss)**

<b>Fires by Property Use</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Residential</b>						
# of Incidents	553	413	435	651	516	2,568
Dollar Loss	\$5,563,526	\$4,966,755	\$3,984,283	\$8,928,938	\$8,230,036	\$31,673,538
<b>Outside or Special Properties</b>						
# of Incidents	776	559	653	817	655	3,460
Dollar Loss	\$919,850	\$362,871	\$1,037,400	\$3,879,324	\$2,019,655	\$8,219,100
<b>Manufacturing &amp; Processing</b>						
# of Incidents	16	13	6	6	10	51
Dollar Loss	\$2,653,550	\$50,000	\$0	\$0	\$4,600,000	\$7,303,550
<b>Storage</b>						
# of Incidents	57	36	38	52	52	235
Dollar Loss	\$1,031,149	\$384,910	\$911,100	\$3,246,427	\$416,950	\$5,990,536
<b>Mercantile &amp; Business</b>						
# of Incidents	41	31	33	41	42	188
Dollar Loss	\$191,700	\$14,100	\$83,000	\$4,198,210	\$621,732	\$5,108,742
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>						
# of Incidents	55	41	35	64	58	253
Dollar Loss	\$501,879	\$2,630,800	\$172,000	\$67,000	\$34,821	\$3,406,500
<b>Assembly</b>						
# of Incidents	36	17	20	30	27	130
Dollar Loss	\$56,075	\$424,800	\$29,675	\$32,910	\$27,350	\$570,810
<b>Health Care, Detention, &amp; Corrections</b>						
# of Incidents	7	3	7	10	7	34
Dollar Loss	\$465,075	\$0	\$500	\$10,575	\$33,570	\$509,720
<b>None</b>						
# of Incidents	10	3	6	7	11	37
Dollar Loss	\$15,000	\$0	\$14,000	\$20,000	\$101,503	\$150,503
<b>Other Property Uses</b>						
# of Incidents	12	10	14	8	6	50
Dollar Loss	\$0	\$110,000	\$250	\$7,002	\$0	\$117,252
<b>Educational Uses</b>						
# of Incidents	14	4	10	13	10	51
Dollar Loss	\$2,700	\$0	\$25	\$74,500	\$24,171	\$101,396
<b>Undetermined</b>						
# of Incidents	2	3	0	1	0	6
Dollar Loss	\$1,000	\$0	\$0	\$0	\$0	\$1,000
<b>(blank)</b>						
# of Incidents	0	0	0	1	0	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>1,579</b>	<b>1,133</b>	<b>1,257</b>	<b>1,701</b>	<b>1,394</b>	<b>7,064</b>
<b>Total Dollar Loss</b>	<b>\$11,401,504</b>	<b>\$8,944,236</b>	<b>\$6,232,233</b>	<b>\$20,464,886</b>	<b>\$16,109,788</b>	<b>\$63,152,647</b>

**Region 8 Fire Incidents by Area of Origin (Five-year total sorted by dollar loss)**

<b>Area of Origin by Category</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Structural Areas</b>						
# of Incidents	80	59	59	81	61	340
Dollar Loss	\$2,753,435	\$938,350	\$535,800	\$5,206,286	\$1,487,400	\$10,921,271
<b>Functional Areas</b>						
# of Incidents	169	118	114	141	101	643
Dollar Loss	\$1,949,465	\$1,492,465	\$2,356,107	\$1,432,940	\$1,885,002	\$9,115,979
<b>Undetermined</b>						
# of Incidents	77	67	72	85	74	375
Dollar Loss	\$343,400	\$3,360,500	\$444,290	\$2,755,883	\$1,790,530	\$8,694,603
<b>Areas of Groups of People (Assembly)</b>						
# of Incidents	16	12	12	18	16	74
Dollar Loss	\$988,800	\$302,000	\$62,525	\$4,630,000	\$504,851	\$6,488,176
<b>Storage Areas</b>						
# of Incidents	58	38	45	47	57	245
Dollar Loss	\$222,400	\$673,025	\$415,225	\$1,117,750	\$3,152,625	\$5,581,025
<b>Vehicle Areas</b>						
# of Incidents	207	145	189	223	213	977
Dollar Loss	\$550,340	\$403,960	\$1,064,150	\$1,855,101	\$1,698,643	\$5,572,194
<b>Outside Areas</b>						
# of Incidents	489	338	379	481	281	1,968
Dollar Loss	\$573,710	\$911,344	\$858,800	\$915,047	\$1,483,590	\$4,742,491
<b>(blank)</b>						
# of Incidents	391	291	311	542	533	2,068
Dollar Loss	\$787,654	\$522,562	\$377,536	\$2,213,584	\$150,027	\$4,051,363
<b>Other Areas of Origin</b>						
# of Incidents	53	40	41	48	31	213
Dollar Loss	\$0	\$1,030	\$3,800	\$45,695	\$3,571,500	\$3,622,025
<b>Service or Equipment Areas</b>						
# of Incidents	21	20	25	17	21	104
Dollar Loss	\$2,972,050	\$136,500	\$88,500	\$103,500	\$318,520	\$3,619,070
<b>Means of Egress/Exit Access/Exit Areas</b>						
# of Incidents	7	5	6	12	4	34
Dollar Loss	\$104,250	\$202,500	\$25,000	\$157,100	\$42,100	\$530,950
<b>Technical Processing Areas</b>						
# of Incidents	11	0	4	6	2	23
Dollar Loss	\$156,000	\$0	\$500	\$32,000	\$25,000	\$213,500
<b>Total # of Incidents</b>	<b>1,579</b>	<b>1,133</b>	<b>1,257</b>	<b>1,701</b>	<b>1,394</b>	<b>7,064</b>
<b>Total Dollar Loss</b>	<b>\$11,401,504</b>	<b>\$8,944,236</b>	<b>\$6,232,233</b>	<b>\$20,464,886</b>	<b>\$16,109,788</b>	<b>\$63,152,647</b>

**Region 8 Fire Incidents by Heat Source (Five-year total sorted by dollar loss)**

<b>Heat Source Categories</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Undetermined</b>						
# of Incidents	488	355	431	383	283	1,940
Dollar Loss	\$5,911,240	\$3,630,465	\$3,628,690	\$4,908,978	\$9,529,745	\$27,609,118
<b>Operating Equipment</b>						
# of Incidents	299	211	214	305	268	1,297
Dollar Loss	\$2,279,950	\$3,207,615	\$1,181,082	\$2,391,260	\$3,293,926	\$12,353,833
<b>Open Flame or Smoking Material</b>						
# of Incidents	99	90	74	120	74	457
Dollar Loss	\$440,925	\$537,880	\$136,700	\$4,746,401	\$785,865	\$6,647,771
<b>Heat Spread from Another Fire</b>						
# of Incidents	44	28	43	93	41	249
Dollar Loss	\$287,300	\$331,600	\$109,500	\$4,976,411	\$494,000	\$6,198,811
<b>(blank)</b>						
# of Incidents	391	292	311	543	533	2,070
Dollar Loss	\$787,654	\$522,562	\$377,536	\$2,213,784	\$150,027	\$4,051,563
<b>Hot or Smoldering Object</b>						
# of Incidents	102	67	78	95	73	415
Dollar Loss	\$374,449	\$441,925	\$532,700	\$698,000	\$763,650	\$2,810,724
<b>Chemical or Natural</b>						
# of Incidents	32	16	13	23	21	105
Dollar Loss	\$762,636	\$56,525	\$30,175	\$154,700	\$237,500	\$1,241,536
<b>Explosives and Fireworks</b>						
# of Incidents	48	28	30	54	31	191
Dollar Loss	\$506,100	\$180,000	\$100	\$95,100	\$438,900	\$1,220,200
<b>Heat Source Other</b>						
# of Incidents	75	44	61	83	70	333
Dollar Loss	\$51,250	\$35,664	\$235,750	\$270,252	\$416,175	\$1,009,091
<b>Multiple Heat Sources</b>						
# of Incidents	1	2	2	2	0	7
Dollar Loss	\$0	\$0	\$0	\$10,000	\$0	\$10,000
<b>Total # of Incidents</b>	<b>1,579</b>	<b>1,133</b>	<b>1,257</b>	<b>1,701</b>	<b>1,394</b>	<b>7,064</b>
<b>Total Dollar Loss</b>	<b>\$11,401,504</b>	<b>\$8,944,236</b>	<b>\$6,232,233</b>	<b>\$20,464,886</b>	<b>\$16,109,788</b>	<b>\$63,152,647</b>

**Region 8 Fire Incidents by Cause of Ignition (Five-year total sorted by dollar loss)**

<b>Cause of Ignition</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Cause under investigation</b>						
# of Incidents	118	96	113	116	80	523
Dollar Loss	\$4,855,215	\$2,012,650	\$1,611,237	\$4,022,282	\$6,392,350	\$18,893,734
<b>Unintentional</b>						
# of Incidents	491	411	419	518	394	2,233
Dollar Loss	\$2,841,971	\$4,568,470	\$1,755,735	\$2,718,890	\$6,165,660	\$18,050,726
<b>Cause, other (conversion and exposure 1 only)</b>						
# of Incidents	20	8	13	62	17	120
Dollar Loss	\$177,150	\$95,600	\$29,000	\$5,007,111	\$585,600	\$5,894,461
<b>Cause undetermined after investigation</b>						
# of Incidents	188	102	130	154	128	702
Dollar Loss	\$807,090	\$770,805	\$2,096,350	\$759,498	\$1,371,166	\$5,804,909
<b>Intentional</b>						
# of Incidents	156	95	93	117	79	540
Dollar Loss	\$795,150	\$203,000	\$9,000	\$4,217,050	\$187,405	\$5,411,605
<b>Failure of equipment or heat source</b>						
# of Incidents	170	114	152	162	144	742
Dollar Loss	\$1,073,274	\$741,560	\$351,375	\$1,324,971	\$1,149,580	\$4,640,760
<b>(blank)</b>						
# of Incidents	391	293	311	543	533	2,071
Dollar Loss	\$787,654	\$522,562	\$377,536	\$2,266,084	\$150,027	\$4,103,863
<b>Act of nature</b>						
# of Incidents	45	14	26	29	19	133
Dollar Loss	\$64,000	\$29,589	\$2,000	\$149,000	\$108,000	\$352,589
<b>Total # of Incidents</b>	<b>1,579</b>	<b>1,133</b>	<b>1,257</b>	<b>1,701</b>	<b>1,394</b>	<b>7,064</b>
<b>Total Dollar Loss</b>	<b>\$11,401,504</b>	<b>\$8,944,236</b>	<b>\$6,232,233</b>	<b>\$20,464,886</b>	<b>\$16,109,788</b>	<b>\$63,152,647</b>

## REGION 8 2019 Reporting Summary

% of Region Reporting = 47%		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property & Contents Loss
<b>Adams</b>	<b>% of County Reporting = 25%</b>	<b>164</b>	<b>0</b>	<b>5</b>	<b>169</b>	<b>\$ -</b>
<b>01D01</b>	Adams #1, Ritzville/Lincoln #10	0	0	0	0	\$ -
<b>01D02</b>	Adams #2, Hatton/Lind	0	0	0	0	\$ -
<b>01D03</b>	Adams #3, Odessa/Lincoln #3	0	0	0	0	\$ -
<b>01D04</b>	Adams #4, Harder/McCall	0	0	0	0	\$ -
<b>01D05</b>	Adams County Station	164	0	5	169	\$ -
<b>01D06</b>	Adams #6, Benge	0	0	0	0	\$ -
<b>01D07</b>	Adams #7, Washtucna	0	0	0	0	\$ -
<b>01M03</b>	Ritzville Fire Dept	0	0	0	0	\$ -
<b>Asotin</b>	<b>% of County Reporting = 100%</b>	<b>537</b>	<b>0</b>	<b>31</b>	<b>568</b>	<b>\$ 399,100</b>
<b>02D00</b>	Blue Mountain Fire Dist #1	7	0	0	7	\$ -
<b>02D01</b>	Asotin #1, Clarkston	246	0	10	256	\$ -
<b>02M01</b>	Asotin Fire Dept	75	0	2	77	\$ -
<b>02M02</b>	Clarkston Fire Dept	209	0	19	228	\$ 399,100
<b>Benton</b>	<b>% of County Reporting = 89%</b>	<b>21,813</b>	<b>14</b>	<b>1,552</b>	<b>23,379</b>	<b>\$ 11,881,928</b>
<b>03D01</b>	Benton #1, Kennewick	1,363	1	93	1,457	\$ 1,388,118
<b>03D02</b>	Benton #2, Benton City	850	4	238	1,092	\$ 34,260
<b>03D03</b>	West Benton Fire Rescue	609	0	30	639	\$ 1,227,100
<b>03D04</b>	Benton #4, West Richland	1,471	5	141	1,617	\$ 1,750,670
<b>03D05</b>	Benton #5	0	0	0	0	\$ -
<b>03D06</b>	Benton #6, Plymouth/Paterson	264	0	19	283	\$ 21,500
<b>03M02</b>	Kennewick Fire Dept	9,710	3	617	10,330	\$ 6,252,117
<b>03M04</b>	Richland Fire Dept	6,794	1	375	7,170	\$ 1,208,163
<b>03S01</b>	Hanford Fire Dept	752	0	39	791	\$ -
<b>Columbia</b>	<b>% of County Reporting = 50%</b>	<b>384</b>	<b>0</b>	<b>41</b>	<b>425</b>	<b>\$ 708,000</b>
<b>07D01</b>	Columbia #1, Starbuck	0	0	0	0	\$ -
<b>07D03</b>	Columbia #3, Dayton	384	0	41	425	\$ 708,000
<b>Franklin</b>	<b>% of County Reporting = 57%</b>	<b>6,129</b>	<b>6</b>	<b>422</b>	<b>6,557</b>	<b>\$ 1,822,760</b>
<b>11D01</b>	Franklin #1, Connell	0	0	0	0	\$ -
<b>11D02</b>	Franklin #2, Kahlotus	0	0	0	0	\$ -
<b>11D03</b>	Franklin #3, Pasco	426	0	192	618	\$ 133,000
<b>11D04</b>	Franklin #4, Basin City	0	0	0	0	\$ -
<b>11D05</b>	Franklin #5	6	0	5	11	\$ -
<b>11M01</b>	Connell Fire Department	68	0	6	74	\$ -
<b>11M02</b>	Pasco Fire Dept	5,629	6	219	5,854	\$ 1,689,760
<b>Garfield</b>	<b>% of County Reporting = 100%</b>	<b>64</b>	<b>0</b>	<b>2</b>	<b>66</b>	<b>\$ -</b>
<b>12D01</b>	Garfield #1, Pomeroy	64	0	2	66	\$ -

**REGION 8 2019 Reporting Summary (Continued)**

<b>% of Region Reporting = 47%</b>		<b># of Incidents</b>	<b>Exposures</b>	<b>Automatic or Mutual Aid Given</b>	<b>Total Reports</b>	<b>Total Property &amp; Contents Loss</b>
<b>Walla Walla</b>	<b>% of County Reporting = 45%</b>	<b>2,871</b>	<b>0</b>	<b>204</b>	<b>3,075</b>	<b>\$ 1,356,451</b>
<b>36D01</b>	Walla Walla #1, Clyde	0	0	0	0	\$ -
<b>36D02</b>	Walla Walla #2/Columbia #2	118	0	19	137	\$ -
<b>36D03</b>	Walla Walla #3, Eureka	0	0	0	0	\$ -
<b>36D04</b>	Walla Walla #4, Walla Walla	851	0	86	937	\$ 324,321
<b>36D05</b>	Walla Walla #5, Burbank	430	0	74	504	\$ 109,000
<b>36D06</b>	Walla Walla #6, Touchet	0	0	0	0	\$ -
<b>36D07</b>	Walla Walla #7	0	0	0	0	\$ -
<b>36D08</b>	Walla Walla #8	0	0	0	0	\$ -
<b>36M01</b>	College Place Fire Station	256	0	2	258	\$ 5,700
<b>36M02</b>	Prescott Fire Department	0	0	0	0	\$ -
<b>36M04</b>	Walla Walla Fire Department	1,216	0	23	1,239	\$ 917,430
<b>Whitman</b>	<b>% of County Reporting = 23%</b>	<b>3,146</b>	<b>1</b>	<b>138</b>	<b>3,285</b>	<b>\$ 287,064</b>
<b>38D01</b>	Whitman #1, Tekoa	0	0	0	0	\$ -
<b>38D02</b>	Whitman #2, St. John	0	0	0	0	\$ -
<b>38D03</b>	Whitman #3, Garfield	0	0	0	0	\$ -
<b>38D04</b>	Whitman #4, Palouse	0	0	0	0	\$ -
<b>38D05</b>	Whitman #5, Lamont	9	0	0	9	\$ -
<b>38D06</b>	Whitman # 6, Endicott	0	0	0	0	\$ -
<b>38D07</b>	Whitman #7, Rosalia	0	0	0	0	\$ -
<b>38D08</b>	Whitman #8, LaCrosse/Hooper	0	0	0	0	\$ -
<b>38D10</b>	Whitman #10, Oaksdale	41	0	12	53	\$ 100,000
<b>38D11</b>	Whitman #11, Albion/Colfax	0	0	0	0	\$ -
<b>38D12</b>	Whitman #12, Pullman	0	0	0	0	\$ -
<b>38D13</b>	Whitman #13, Wilcox	0	0	0	0	\$ -
<b>38D14</b>	Whitman #14, Colton/Uniontown	59	0	4	63	\$ -
<b>38M01</b>	Albion Fire Department	0	0	0	0	\$ -
<b>38M02</b>	Colfax Fire & Rescue	499	0	8	507	\$ 100,533
<b>38M06</b>	LaCrosse Fire Dept	0	0	0	0	\$ -
<b>38M07</b>	Malden Fire Dept	0	0	0	0	\$ -
<b>38M09</b>	Palouse Fire Dept	0	0	0	0	\$ -
<b>38M10</b>	Pullman Fire Dept	2,538	1	114	2,653	\$ 86,531
<b>38M12</b>	St. John Fire Dept	0	0	0	0	\$ -
<b>38M13</b>	Tekoa Fire Dept	0	0	0	0	\$ -
<b>38M15</b>	Farmington Fire Dept	0	0	0	0	\$ -
<b>REGION 8 TOTALS</b>		<b>35,108</b>	<b>21</b>	<b>2,395</b>	<b>37,524</b>	<b>\$ 16,455,303</b>

## Region 9

Region 9 is comprised of Ferry, Lincoln, Pend Oreille, Spokane, and Stevens counties. In 2019, 55% of the fire service agencies in this region reported NFIRS data to the SFMO. Below is a table summarizing the incidents that have been reported over the past five years.



### Five-Year Incident Type Summary

Incident Type Categories	2015	2016	2017	2018	2019	5-Year Total
<b>Fire</b>						
# of Incidents	1,903	1,819	1,863	2,080	1,920	9,585
Dollar Loss	\$9,605,824	\$9,937,646	\$8,094,092	\$13,538,259	\$9,269,015	\$50,444,836
<b>Hazardous Conditions (No Fire)</b>						
# of Incidents	1,241	898	859	948	972	4,918
Dollar Loss	\$34,500	\$44,700	\$93,320	\$4,300	\$16,800.00	\$193,620
<b>Rescue and Emergency Medical Service</b>						
# of Incidents	46,635	46,924	45,369	55,660	56,670	251,258
Dollar Loss	\$33,000	\$10,100	\$18,050	\$15,000	\$31,900	\$108,050
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
# of Incidents	100	89	61	62	71	383
Dollar Loss	\$1,550	\$540	\$1,250	\$81,450	\$2,300	\$87,090
<b>Service Calls</b>						
# of Incidents	5,894	5,622	5,134	4,848	4,694	26,192
Dollar Loss	\$4,008	\$0	\$60	\$12,000	\$1,205	\$17,273
<b>Severe Weather &amp; Natural Disaster</b>						
# of Incidents	71	12	17	10	37	147
Dollar Loss	\$0	\$5,000	\$0	\$0	\$0	\$5,000
<b>False Alarms &amp; False Calls</b>						
# of Incidents	2,656	2,508	2,447	2,696	2,994	13,301
Dollar Loss	\$0	\$0	\$0	\$2,000	\$2,500	\$4,500
<b>Other Types of Incidents</b>						
# of Incidents	281	232	219	207	162	1,101
Dollar Loss	\$0	\$2,000	\$0	\$0	\$350	\$2,350
<b>Good Intent Calls</b>						
# of Incidents	8,513	9,530	9,973	8,798	8,796	45,610
Dollar Loss	\$0	\$0	\$0	\$20	\$0	\$20
<b>Total # of Incidents</b>	<b>67,294</b>	<b>67,634</b>	<b>65,942</b>	<b>75,309</b>	<b>76,316</b>	<b>352,495</b>
<b>Total Dollar Loss</b>	<b>\$9,678,882</b>	<b>\$9,999,986</b>	<b>\$8,206,772</b>	<b>\$13,653,029</b>	<b>\$9,324,070</b>	<b>\$50,862,739</b>

## Region 9 Fire Incidents

Over the past five years, 9,585 fire incidents, resulting in more than \$50 million in property and content loss, have been reported by fire service agencies in Region 9. Structure fires, including confined fires, accounted for 30% of the five-year total and 88% of the dollar loss to property and content.

### Region 9 Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category	2015	2016	2017	2018	2019	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
# of Incidents	562	596	596	570	576	2,900
Dollar Loss	\$8,794,424	\$8,716,958	\$7,599,618	\$12,163,160	\$7,328,371	\$44,602,531
<b>Vehicle Fires (Mobile Properties)</b>						
# of Incidents	209	249	212	278	245	1,193
Dollar Loss	\$598,950	\$447,836	\$307,092	\$910,468	\$943,895	\$3,208,241
<b>Natural Vegetation Fires</b>						
# of Incidents	608	442	492	548	468	2,558
Dollar Loss	\$15,400	\$728,752	\$26,002	\$46,100	\$458,950	\$1,275,204
<b>Fixed Mobile Property Fires</b>						
# of Incidents	20	17	23	25	25	110
Dollar Loss	\$133,950	\$21,600	\$100,250	\$363,600	\$186,600	\$806,000
<b>Outside Rubbish Fires</b>						
# of Incidents	342	375	380	436	402	1,935
Dollar Loss	\$5,000	\$11,750	\$6,650	\$15,402	\$264,408	\$303,210
<b>Fire, other</b>						
# of Incidents	80	82	81	141	124	508
Dollar Loss	\$32,600	\$6,950	\$50,700	\$30,029	\$25,190	\$145,469
<b>Outside Storage &amp; Equipment Fires</b>						
# of Incidents	75	46	71	74	65	331
Dollar Loss	\$25,500	\$3,800	\$3,780	\$9,500	\$18,601	\$61,181
<b>Cultivated Vegetation Fires</b>						
# of Incidents	7	12	7	8	15	49
Dollar Loss	\$0	\$0	\$0	\$0	\$43,000	\$43,000
<b>Structure fire, other (conversion only)</b>						
# of Incidents	0	0	1	0	0	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>1,903</b>	<b>1,819</b>	<b>1,863</b>	<b>2,080</b>	<b>1,920</b>	<b>9,585</b>
<b>Total Dollar Loss</b>	<b>\$9,605,824</b>	<b>\$9,937,646</b>	<b>\$8,094,092</b>	<b>\$13,538,259</b>	<b>\$9,269,015</b>	<b>\$50,444,836</b>

**Region 9 Structure Fires by Type (Five-year total sorted by dollar loss)**

<b>Structure Fires (including confined fires)</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Building fires</b>						
# of Incidents	299	324	317	330	335	1,605
Dollar Loss	\$8,749,349	\$8,682,908	\$7,526,378	\$11,123,545	\$7,214,871	\$43,297,051
<b>Fires in structures other than in a building</b>						
# of Incidents	15	25	22	17	17	96
Dollar Loss	\$15,300	\$14,800	\$52,500	\$1,009,775	\$55,650	\$1,148,025
<b>Cooking fire, confined to container</b>						
# of Incidents	134	136	147	109	126	652
Dollar Loss	\$20,125	\$15,525	\$10,885	\$12,570	\$42,050	\$101,155
<b>Chimney or flue fire, confined to chimney or flue</b>						
# of Incidents	65	50	63	63	53	294
Dollar Loss	\$2,150	\$700	\$8,200	\$11,600	\$7,500	\$30,150
<b>Trash or rubbish fire, contained</b>						
# of Incidents	35	51	37	38	40	201
Dollar Loss	\$150	\$1,025	\$155	\$2,670	\$8,300	\$12,300
<b>Fuel burner/boiler malfunction, fire confined</b>						
# of Incidents	10	5	8	9	3	35
Dollar Loss	\$7,000	\$1,000	\$1,500	\$0	\$0	\$9,500
<b>Incinerator overload or malfunction, fire confined</b>						
# of Incidents	4	4	0	3	2	13
Dollar Loss	\$350	\$1,000	\$0	\$3,000	\$0	\$4,350
<b>Commercial Compactor fire, confined to rubbish</b>						
# of Incidents	0	1	2	1	0	4
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Structure fire, other (conversion only)</b>						
# of Incidents	0	0	1	0	0	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>562</b>	<b>596</b>	<b>597</b>	<b>570</b>	<b>576</b>	<b>2,901</b>
<b>Total Dollar Loss</b>	<b>\$8,794,424</b>	<b>\$8,716,958</b>	<b>\$7,599,618</b>	<b>\$12,163,160</b>	<b>\$7,328,371</b>	<b>\$44,602,531</b>

**Region 9 Fire Incidents by Property Use (Five-year total sorted by dollar loss)**

<b>Fires by Property Use</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Residential</b>						
# of Incidents	806	805	825	898	888	4,222
Dollar Loss	\$5,447,324	\$6,630,908	\$6,304,334	\$9,882,255	\$5,814,217	\$34,079,038
<b>Outside or Special Properties</b>						
# of Incidents	823	749	757	857	728	3,914
Dollar Loss	\$928,450	\$873,709	\$209,419	\$1,627,020	\$1,490,520	\$5,129,118
<b>Storage</b>						
# of Incidents	48	62	64	50	47	271
Dollar Loss	\$569,200	\$1,011,950	\$907,779	\$520,254	\$701,317	\$3,710,500
<b>Mercantile &amp; Business</b>						
# of Incidents	46	66	59	71	74	316
Dollar Loss	\$151,000	\$632,100	\$413,380	\$95,600	\$1,008,310	\$2,300,390
<b>Health Care, Detention, &amp; Corrections</b>						
# of Incidents	16	13	11	17	8	65
Dollar Loss	\$2,215,000	\$1,000	\$0	\$2,200	\$200	\$2,218,400
<b>Assembly</b>						
# of Incidents	40	32	32	30	42	176
Dollar Loss	\$53,350	\$657,979	\$169,610	\$1,079,200	\$229,050	\$2,189,189
<b>Manufacturing &amp; Processing</b>						
# of Incidents	16	11	20	26	15	88
Dollar Loss	\$210,000	\$500	\$14,800	\$93,000	\$251	\$318,551
<b>Other Property Uses</b>						
# of Incidents	26	24	32	37	29	148
Dollar Loss	\$16,500	\$25,000	\$32,500	\$184,600	\$3,000	\$261,600
<b>Educational Uses</b>						
# of Incidents	12	18	16	17	5	68
Dollar Loss	\$15,000	\$103,000	\$5,720	\$8,530	\$2,000	\$134,250
<b>Industrial, Utility, Defense, Agriculture, &amp; Mining</b>						
# of Incidents	58	33	35	52	65	243
Dollar Loss	\$0	\$1,500	\$36,550	\$34,000	\$15,650	\$87,700
<b>None</b>						
# of Incidents	8	6	5	18	12	49
Dollar Loss	\$0	\$0	\$0	\$11,600	\$4,500	\$16,100
<b>(blank)</b>						
# of Incidents	1	0	1	0	0	2
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Undetermined</b>						
# of Incidents	3	0	6	7	7	23
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total # of Incidents</b>	<b>1,903</b>	<b>1,819</b>	<b>1,863</b>	<b>2,080</b>	<b>1,920</b>	<b>9,585</b>
<b>Total Dollar Loss</b>	<b>\$9,605,824</b>	<b>\$9,937,646</b>	<b>\$8,094,092</b>	<b>\$13,538,259</b>	<b>\$9,269,015</b>	<b>\$50,444,836</b>

**Region 9 Fire Incidents by Area of Origin (Five-year total sorted by dollar loss)**

<b>Area of Origin by Category</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Structural Areas</b>						
# of Incidents	102	98	87	104	112	503
Dollar Loss	\$4,182,350	\$2,159,892	\$1,912,975	\$2,092,020	\$2,045,038	\$12,392,275
<b>Functional Areas</b>						
# of Incidents	109	147	143	131	147	677
Dollar Loss	\$1,397,245	\$2,687,436	\$1,153,845	\$1,563,600	\$1,353,186	\$8,155,312
<b>Undetermined</b>						
# of Incidents	183	169	156	231	189	928
Dollar Loss	\$426,325	\$1,549,400	\$922,629	\$3,247,510	\$1,619,282	\$7,765,146
<b>Storage Areas</b>						
# of Incidents	52	59	64	54	72	301
Dollar Loss	\$685,400	\$988,250	\$1,770,094	\$1,660,377	\$1,388,189	\$6,492,310
<b>Outside Areas</b>						
# of Incidents	464	343	401	452	356	2,016
Dollar Loss	\$786,704	\$1,263,950	\$712,180	\$265,002	\$1,496,503	\$4,524,339
<b>Areas of Groups of People (Assembly)</b>						
# of Incidents	16	12	13	20	17	78
Dollar Loss	\$284,100	\$260,880	\$383,120	\$2,462,396	\$213,230	\$3,603,726
<b>Vehicle Areas</b>						
# of Incidents	192	204	203	236	205	1,040
Dollar Loss	\$426,550	\$426,536	\$614,892	\$1,161,808	\$723,300	\$3,353,086
<b>Service or Equipment Areas</b>						
# of Incidents	24	20	21	34	31	130
Dollar Loss	\$328,350	\$328,850	\$133,550	\$820,750	\$41,680	\$1,653,180
<b>Other Areas of Origin</b>						
# of Incidents	29	43	39	73	95	279
Dollar Loss	\$250,100	\$86,500	\$391,800	\$175,954	\$202,755	\$1,107,109
<b>Means of Egress/Exit Access/Exit Areas</b>						
# of Incidents	14	14	16	13	16	73
Dollar Loss	\$501,150	\$147,950	\$62,150	\$43,100	\$45,800	\$800,150
<b>(blank)</b>						
# of Incidents	715	707	716	728	677	3,543
Dollar Loss	\$317,550	\$35,502	\$34,557	\$45,742	\$138,052	\$571,403
<b>Technical Processing Areas</b>						
# of Incidents	3	3	4	4	3	17
Dollar Loss	\$20,000	\$2,500	\$2,300	\$0	\$2,000	\$26,800
<b>Total # of Incidents</b>	<b>1,903</b>	<b>1,819</b>	<b>1,863</b>	<b>2,080</b>	<b>1,920</b>	<b>9,585</b>
<b>Total Dollar Loss</b>	<b>\$9,605,824</b>	<b>\$9,937,646</b>	<b>\$8,094,092</b>	<b>\$13,538,259</b>	<b>\$9,269,015</b>	<b>\$50,444,836</b>

**Region 9 Fire Incidents by Heat Source (Five-year total sorted by dollar loss)**

<b>Heat Source Categories</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Undetermined</b>						
# of Incidents	520	479	506	623	508	2,636
Dollar Loss	\$3,057,825	\$4,989,105	\$4,036,712	\$7,377,921	\$3,598,818	\$23,060,381
<b>Operating Equipment</b>						
# of Incidents	244	238	230	281	271	1,264
Dollar Loss	\$3,682,945	\$1,439,613	\$1,120,347	\$1,922,170	\$2,168,400	\$10,333,475
<b>Open Flame or Smoking Material</b>						
# of Incidents	159	140	153	184	186	822
Dollar Loss	\$1,050,550	\$998,300	\$1,547,327	\$2,949,296	\$1,868,325	\$8,413,798
<b>Hot or Smoldering Object</b>						
# of Incidents	119	129	130	119	128	625
Dollar Loss	\$852,000	\$718,196	\$552,149	\$598,060	\$664,850	\$3,385,255
<b>Heat Source Other</b>						
# of Incidents	38	47	53	62	72	272
Dollar Loss	\$448,304	\$88,660	\$427,200	\$9,500	\$636,878	\$1,610,542
<b>Multiple Heat Sources</b>						
# of Incidents	4	7	5	2	3	21
Dollar Loss	\$1,000	\$1,134,100	\$0	\$0	\$1,000	\$1,136,100
<b>Heat Spread from Another Fire</b>						
# of Incidents	32	33	34	30	30	159
Dollar Loss	\$176,650	\$136,300	\$317,200	\$276,270	\$151,225	\$1,057,645
<b>Chemical or Natural</b>						
# of Incidents	35	21	15	23	35	129
Dollar Loss	\$2,000	\$372,870	\$31,000	\$172,100	\$26,467	\$604,437
<b>(blank)</b>						
# of Incidents	715	707	716	729	677	3,544
Dollar Loss	\$317,550	\$35,502	\$34,557	\$45,742	\$138,052	\$571,403
<b>Explosives and Fireworks</b>						
# of Incidents	37	18	21	27	10	113
Dollar Loss	\$17,000	\$25,000	\$27,600	\$187,200	\$15,000	\$271,800
<b>Total # of Incidents</b>	<b>1,903</b>	<b>1,819</b>	<b>1,863</b>	<b>2,080</b>	<b>1,920</b>	<b>9,585</b>
<b>Total Dollar Loss</b>	<b>\$9,605,824</b>	<b>\$9,937,646</b>	<b>\$8,094,092</b>	<b>\$13,538,259</b>	<b>\$9,269,015</b>	<b>\$50,444,836</b>

**Region 9 Fire Incidents by Cause of Ignition (Five-year total sorted by dollar loss)**

<b>Cause of Ignition</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>5-Year Total</b>
<b>Unintentional</b>						
# of Incidents	468	441	420	477	447	2,253
Dollar Loss	\$3,538,795	\$2,692,105	\$2,186,513	\$3,879,426	\$3,224,111	\$15,520,950
<b>Cause undetermined after investigation</b>						
# of Incidents	233	197	222	226	187	1,065
Dollar Loss	\$1,000,450	\$3,050,546	\$2,534,180	\$3,968,277	\$1,497,920	\$12,051,373
<b>Cause under investigation</b>						
# of Incidents	157	157	170	173	146	803
Dollar Loss	\$1,245,125	\$1,720,915	\$1,782,052	\$2,998,790	\$2,090,816	\$9,837,698
<b>Failure of equipment or heat source</b>						
# of Incidents	112	135	136	162	157	702
Dollar Loss	\$2,751,704	\$783,528	\$645,156	\$772,550	\$1,032,830	\$5,985,768
<b>Intentional</b>						
# of Incidents	159	155	159	258	266	997
Dollar Loss	\$738,700	\$931,350	\$873,934	\$1,266,374	\$1,237,768	\$5,048,126
<b>Cause, other (conversion and exposure 1 only)</b>						
# of Incidents	13	11	15	24	2	65
Dollar Loss	\$12,000	\$723,700	\$37,700	\$502,000	\$11,400	\$1,286,800
<b>(blank)</b>						
# of Incidents	715	707	716	731	677	3,546
Dollar Loss	\$317,550	\$35,502	\$34,557	\$50,242	\$138,052	\$575,903
<b>Act of nature</b>						
# of Incidents	46	16	25	29	38	154
Dollar Loss	\$1,500	\$0	\$0	\$100,600	\$36,118	\$138,218
<b>Total # of Incidents</b>	<b>1,903</b>	<b>1,819</b>	<b>1,863</b>	<b>2,080</b>	<b>1,920</b>	<b>9,585</b>
<b>Total Dollar Loss</b>	<b>\$9,605,824</b>	<b>\$9,937,646</b>	<b>\$8,094,092</b>	<b>\$13,538,259</b>	<b>\$9,269,015</b>	<b>\$50,444,836</b>

## REGION 9 2019 Reporting Summary

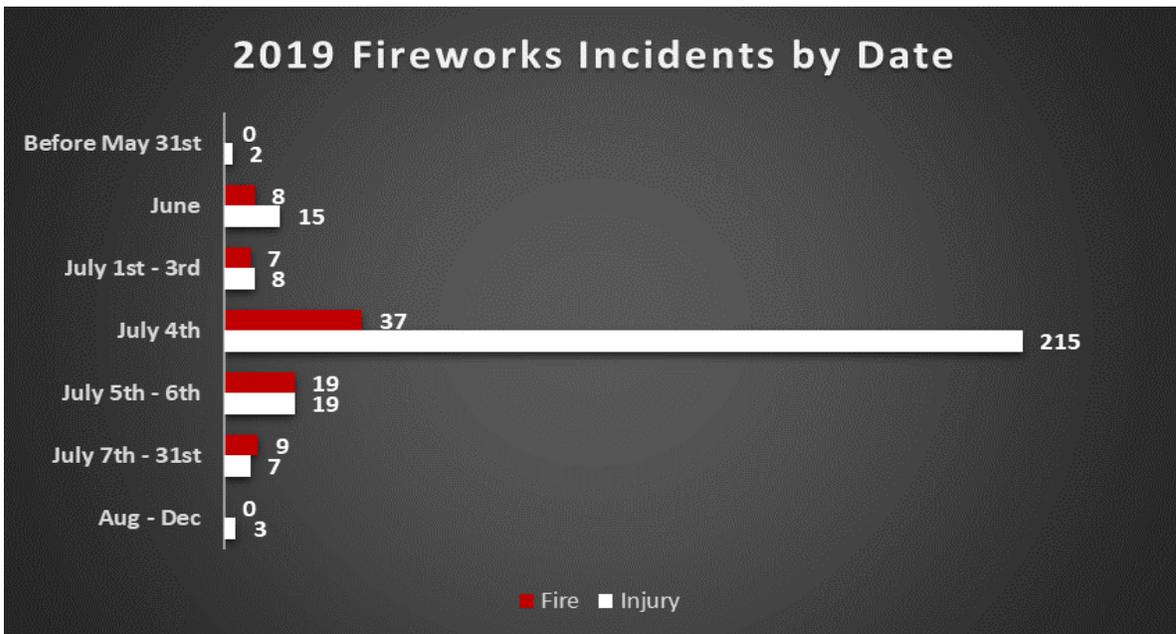
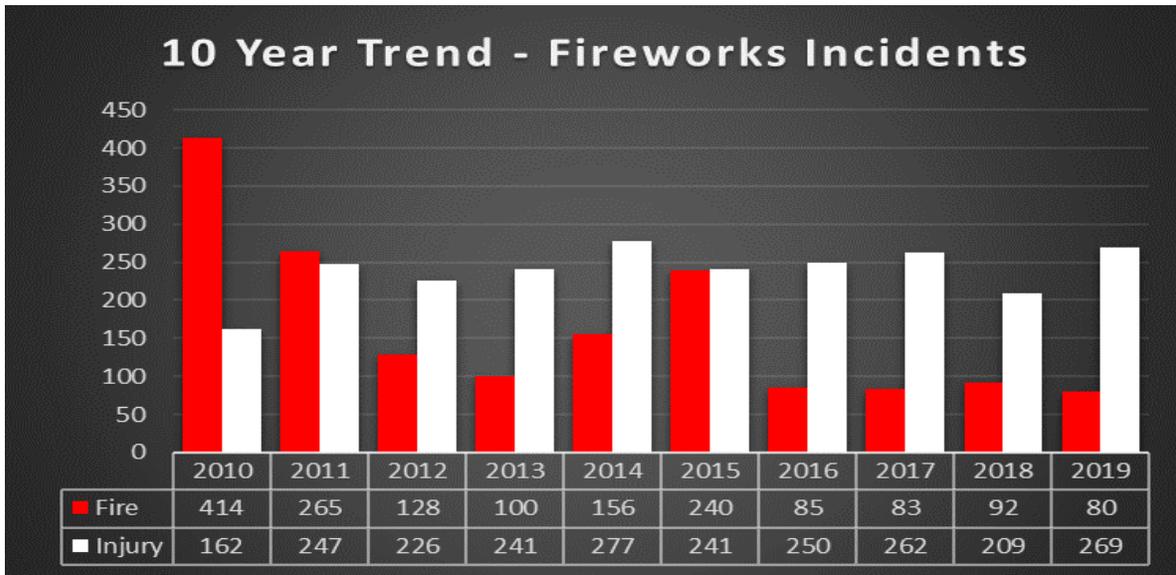
% of Region Reporting = %55		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property & Contents Loss
<b>Ferry</b>	<b>% of County Reporting = 33%</b>	<b>11</b>	<b>0</b>	<b>1</b>	<b>12</b>	<b>\$ 1,000</b>
<b>10D03</b>	Ferry #3/Stevens #8	0	0	0	0	\$ -
<b>10D13</b>	Ferry #13/Okanogan #13	0	0	0	0	\$ -
<b>10D14</b>	Ferry/Okanogan #14	11	0	1	12	\$ 1,000
<b>Lincoln</b>	<b>% of County Reporting = 15%</b>	<b>161</b>	<b>0</b>	<b>47</b>	<b>208</b>	<b>\$ 727,600</b>
<b>22D01</b>	Lincoln #1, Sprauge	0	0	0	0	\$ -
<b>22D03</b>	Lincoln #3, Odessa/Adams #3	0	0	0	0	\$ -
<b>22D04</b>	Lincoln #4, Reardan	123	0	38	161	\$ 677,600
<b>22D05</b>	Lincoln #5, Davenport	0	0	0	0	\$ -
<b>22D06</b>	Lincoln #6, Harrington	0	0	0	0	\$ -
<b>22D07</b>	Lincoln #7, Wilbur	0	0	0	0	\$ -
<b>22D08</b>	Lincoln #8, Almira	38	0	9	47	\$ 50,000
<b>22D09</b>	Lincoln #9	0	0	0	0	\$ -
<b>22M01</b>	Almira Fire Dept	0	0	0	0	\$ -
<b>22M02</b>	Creston Fire Dept	0	0	0	0	\$ -
<b>22M03</b>	Davenport Fire Dept	0	0	0	0	\$ -
<b>22M05</b>	Odessa Fire Dept	0	0	0	0	\$ -
<b>22M08</b>	Wilbur Fire Dept	0	0	0	0	\$ -
<b>Pend Oreille</b>	<b>% of County Reporting = 50%</b>	<b>607</b>	<b>0</b>	<b>259</b>	<b>866</b>	<b>\$ 178,900</b>
<b>26D02</b>	Pend Oreille #2, Lone	11	0	2	13	\$ 120,200
<b>26D03</b>	Pend Oreille #3, S Pend Oreill	380	0	95	475	\$ 4,500
<b>26D04</b>	Pend Oreille #4	0	0	0	0	\$ -
<b>26D05</b>	Pend Oreille #5, Locke-Ruby	0	0	0	0	\$ -
<b>26D06</b>	Pend Oreille #6, Newport	78	0	83	161	\$ -
<b>26D08</b>	Pend Oreille #8	0	0	0	0	\$ -
<b>26M01</b>	Cusick Fire Dept	0	0	0	0	\$ -
<b>26M03</b>	Metaline Fire Dept	0	0	0	0	\$ -
<b>26M05</b>	Newport Fire Dept	26	0	2	28	\$ 54,200
<b>26X04</b>	Kalispel Tribal Public Safety	112	0	77	189	\$ -

**REGION 9 2019 Reporting Summary (Continued)**

<b>% of Region Reporting = %55</b>		<b># of Incidents</b>	<b>Exposures</b>	<b>Automatic or Mutual Aid Given</b>	<b>Total Reports</b>	<b>Total Property &amp; Contents Loss</b>
<b>Spokane</b>	<b>% of County Reporting = 93%</b>	<b>72,978</b>	<b>2</b>	<b>3,502</b>	<b>76,482</b>	<b>\$ 7,475,890</b>
<b>32D01</b>	Spokane #1, Spokane Valley	17,507	0	191	17,698	\$ 578,578
<b>32D02</b>	Spokane #2, Fairfield	105	0	30	135	\$ -
<b>32D03</b>	Spokane #3, Spokane	1,893	0	226	2,119	\$ 391,117
<b>32D04</b>	Spokane #4, Deer Park	2,778	0	96	2,874	\$ 752,852
<b>32D05</b>	Spokane #5, Nine Mile Falls	91	0	10	101	\$ -
<b>32D08</b>	Spokane #8, Valleyford	1,963	0	1,188	3,151	\$ 693,333
<b>32D09</b>	Spokane #9, Mead	1,639	0	677	2,316	\$ 261,300
<b>32D10</b>	Spokane #10, Airway Heights	891	0	157	1,048	\$ 256,000
<b>32D11</b>	Spokane #11, Rockford	73	0	11	84	\$ -
<b>32D12</b>	Spokane #12	0	0	0	0	\$ -
<b>32D13</b>	Spokane #13, Newman Lake	153	0	0	153	\$ -
<b>32M01</b>	Airway Heights Fire Dept	1,982	0	7	1,989	\$ -
<b>32M02</b>	Cheney Fire Department	1,513	0	25	1,538	\$ 277,123
<b>32M06</b>	Medical Lake Fire Department	322	0	34	356	\$ -
<b>32M10</b>	Spokane Fire Dept	42,068	2	850	42,920	\$ 4,265,587
<b>32S03</b>	Spokane Tribal Volunteer Fire Dept	0	0	0	0	\$ -
<b>Stevens</b>	<b>% of County Reporting = 59%</b>	<b>2,559</b>	<b>1</b>	<b>172</b>	<b>2,732</b>	<b>\$ 940,680</b>
<b>33D01</b>	Stevens #1, Springdale	1,543	0	26	1,569	\$ 210,000
<b>33D02</b>	Stevens #2, Hunters	0	0	0	0	\$ -
<b>33D03</b>	Stevens #3, Colville	0	0	0	0	\$ -
<b>33D04</b>	Stevens #4, Valley	365	0	22	387	\$ 43,530
<b>33D05</b>	Stevens #5, Addy	168	0	1	169	\$ 124,750
<b>33D06</b>	Stevens #6, Kettle Falls	68	0	2	70	\$ -
<b>33D07</b>	Stevens #7, Arden	73	0	101	174	\$ 253,000
<b>33D09</b>	Stevens #9, Little Pend Oreille Lakes	0	0	0	0	\$ -
<b>33D10</b>	Stevens #10, Deep Lake	0	0	0	0	\$ -
<b>33D11</b>	Stevens #11, Northport	35	0	0	35	\$ -
<b>33D12</b>	Stevens #12, Rice/Daisy	70	0	1	71	\$ 400
<b>33D13</b>	Stevens #13, Evans	93	1	7	101	\$ 55,000
<b>33M01</b>	Chewelah Fire Dept	0	0	0	0	\$ -
<b>33M02</b>	Colville Fire Dept	126	0	7	133	\$ 254,000
<b>33M03</b>	Kettle Falls Fire Dept	18	0	5	23	\$ -
<b>33M05</b>	Northport Volunteer Fire Dept	0	0	0	0	\$ -
<b>REGION 9 TOTALS</b>		<b>76,316</b>	<b>3</b>	<b>3,981</b>	<b>80,300</b>	<b>\$ 9,324,070</b>

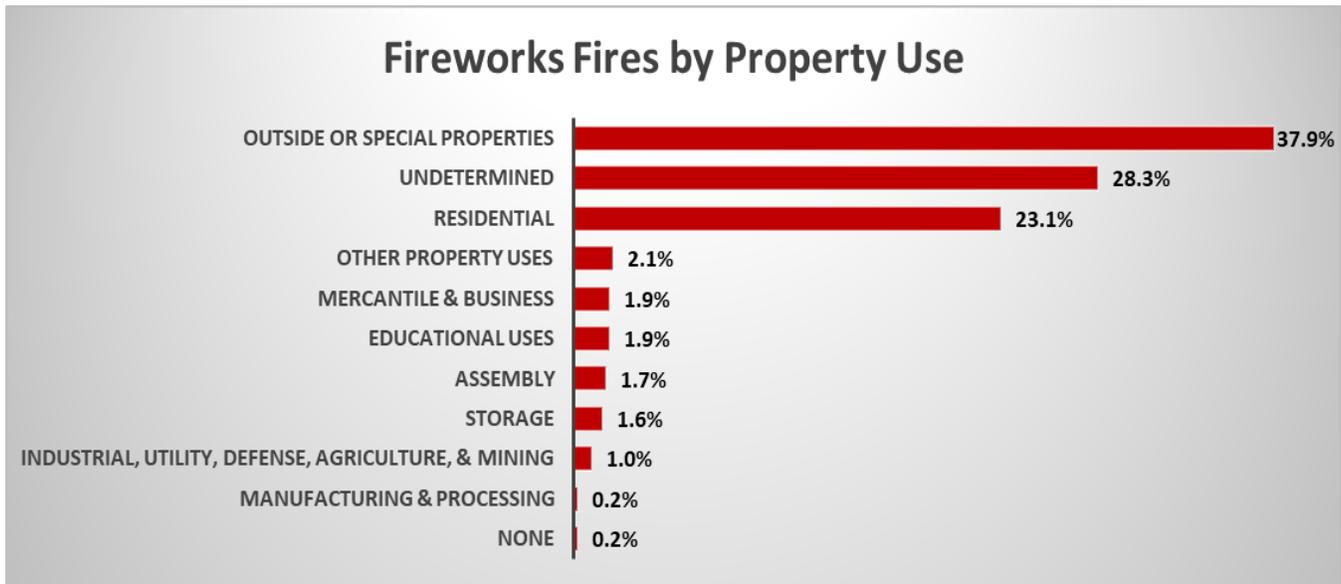
## 2019 FIREWORKS REPORT

There were 349 fireworks-related injuries and/or fires reported to the Washington State Fire Marshal's Office (SFMO) in 2019 by fire departments and hospital emergency rooms. This is almost a 16% increase from the previous year's total of 301. Of the 349 reports received, there were 80 fires and 269 injuries. These incidents resulted in \$2.5 million in property loss. This data was collected on paper reports from individual fire departments and hospitals and is supplemented by the NFIRS database. Fireworks-related incidents most often occur on July 4th. This has remained constant over the past ten years.



## Fires by Device Type

In 2019, fireworks-related fires caused an estimated loss of \$2.5 million. Illegal and unknown type fireworks were identified as the cause in 22 of the fires. Legal fireworks were identified in 53 of the reported fires.



2019 Fireworks Fires by Property Use*	# of Incidents	%	Dollar Loss
Outside or Special Properties	195	37.9%	\$479,054
Undetermined	146	28.3%	\$1,259
Residential	119	23.1%	\$1,898,313
Other Property Uses	11	2.1%	\$52,900
Mercantile & Business	10	1.9%	\$11,860
Educational Uses	10	1.9%	\$1,400
Assembly	9	1.7%	\$1,000
Storage	8	1.6%	\$104,800
Industrial, Utility, Defense, Agriculture, & Mining	5	1.0%	\$0
Manufacturing & Processing	1	0.2%	\$0
None	1	0.2%	\$0
<b>TOTAL</b>	<b>515</b>	<b>100%</b>	<b>\$2,550,586</b>

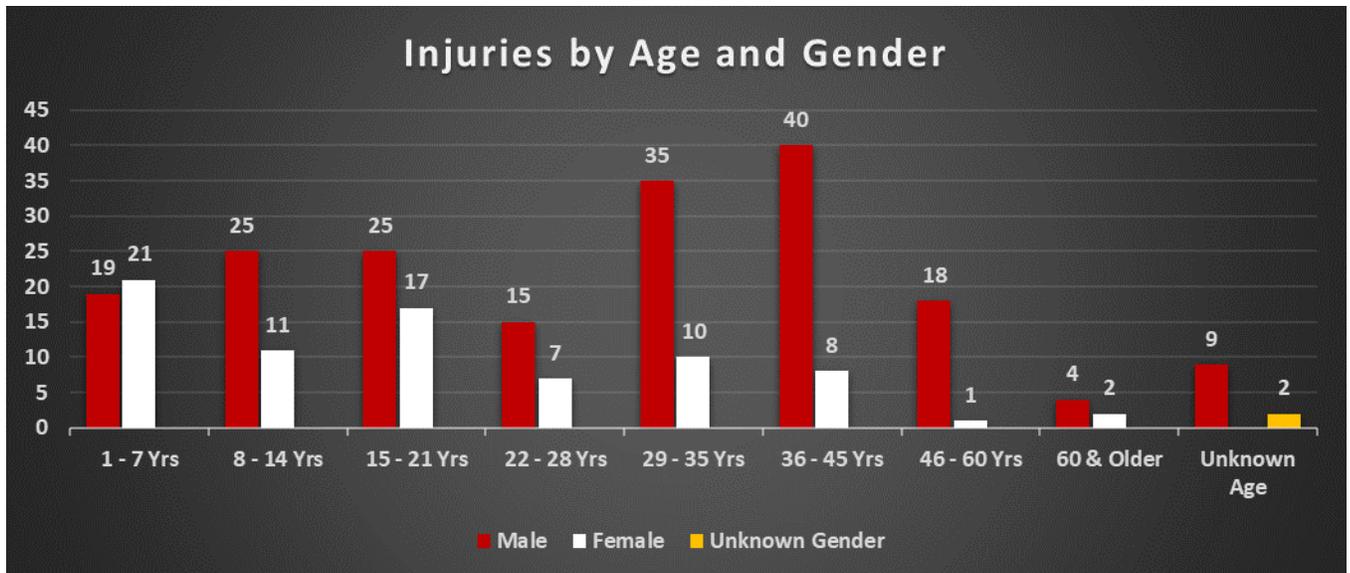
\*Based on data reported to NFIRS in 2019

Fireworks Incidents by Classification of Fireworks Device*					
	Legal	Illegal	Explosive	Unknown	TOTAL
Fires	53	1	5	21	80
Injuries	174	2	36	57	269

\*As reported to the SFMO via the Fireworks Incident Report form

### Fireworks Injuries – Age and Gender

Fireworks-related injuries by age and gender show that male youth and young adults are most often injured. Lack of supervision of young children is often a factor. According to the Center for Disease Control, children are 5.2 and teens are 3.1 times more likely to be injured by fireworks when they are unsupervised.



### Fireworks Injuries – Legal Fireworks Classification

The leading type of injury reported was burns at 51% of the total. Traumatic injuries consist of at least two injuries to different areas of the body for 29% of the total.

Primary Injury	Legal	Illegal	Unknown	Total
Burns (Unspecified Severity)	96	9	29	134
Trauma	57	10	12	79
Vision/Hearing Loss or Injury	21	1	10	32
Amputation	7	4	0	11
Other/Unknown	4	0	4	8
Second Degree Burns	1	0	1	2
Third Degree Burns	1	0	1	2
Fatality	1	0	0	1
<b>Grand Total</b>	<b>188</b>	<b>24</b>	<b>57</b>	<b>269</b>

Legal fireworks were the leading class causing 69% of injuries. Illegal fireworks were responsible for approximately 9% of injury incidents. Unknown fireworks type accounted for 57 incidents or 21%.

Primary Injury Location	Legal	Illegal	Unknown	Total
Arm/Hand/Fingers	83	11	12	106
Head/Face	62	9	24	95
Leg/Foot	25	2	12	39
Multiple Locations	8	2	4	14
Chest/Torso/Hip	9	0	4	13
Unknown	1	0	1	2
<b>Grand Total</b>	<b>188</b>	<b>24</b>	<b>57</b>	<b>269</b>

### Fireworks Injuries – Device Type

Of the 188 incidents involving legal devices, Public Display Mortars were the highest at almost 41%, followed by sparklers at 18%. Illegal devices causing injuries include M-80’s at 58% and altered fireworks at 20%. The leading cause of fireworks-related injuries is “Hit by Fireworks and/or Debris” at 38% and “Holding or Throwing Fireworks” at 32%.

Cause of Injury		Injuries by Type of Device	Legal	Illegal	Unknown	Total
Hit by Fireworks and/or Debris	104	Public Display Mortars	77	0	0	77
Holding or Throwing Fireworks	87	Other/Unknown	10	5	57	72
Lighting/Re-lighting Fireworks	40	Sparklers	35	0	0	35
Leaning Over Fireworks	14	Roman Candles	18	0	0	18
Other	10	M-80's	0	14	0	14
Unknown	7	Firecrackers & Chasers	9	0	0	9
Unsafe Surface for Lighting	5	Ground and Flying Spinners	9	0	0	9
Tampering with Fireworks	2	Cake/Multi-Aerials	9	0	0	9
<b>Grand Total</b>	<b>269</b>	Bottle Rockets	6	0	0	6
		Altered Fireworks	0	5	0	5
		Cones and Fountains	5	0	0	5
		Missiles and Rockets	5	0	0	5
		Smoke Items	3	0	0	3
		Novelties	2	0	0	2
		<b>Grand Total</b>	<b>188</b>	<b>24</b>	<b>57</b>	<b>269</b>

## Summary of Fireworks Incident Reports Received in 2019 by County and Agency Type

County	Fire Agency			Hospital			Other/Unkown Entity			Grand Total
	Fire	Injury	Total	Fire	Injury	Total	Fire	Injury	Total	
<b>Adams</b>	0	0	0	0	0	0	0	0	0	0
Asotin	0	0	0	0	1	1	0	0	0	1
Benton	14	0	14	0	5	5	0	2	2	21
<b>Chelan</b>	0	0	0	0	0	0	0	0	0	0
<b>Clallam</b>	0	0	0	0	0	0	0	0	0	0
Clark	1	0	1	0	5	5	0	1	1	7
<b>Columbia</b>	0	0	0	0	0	0	0	0	0	0
Cowlitz	3	0	3	0	0	0	0	0	0	3
<b>Douglas</b>	0	0	0	0	0	0	0	0	0	0
<b>Ferry</b>	0	0	0	0	0	0	0	0	0	0
Franklin	1	0	1	0	0	0	0	0	0	1
<b>Garfield</b>	0	0	0	0	0	0	0	0	0	0
Grant	10	2	12	0	4	4	0	0	0	16
Grays Harbor	3	6	9	0	6	6	0	0	0	15
Island	3	0	3	0	0	0	0	0	0	3
<b>Jefferson</b>	0	0	0	0	0	0	0	0	0	0
King	19	3	22	0	34	34	0	1	1	57
Kitsap	9	2	11	0	11	11	0	0	0	22
Kittitas	3	0	3	0	0	0	0	0	0	3
<b>Klickitat</b>	0	0	0	0	0	0	0	0	0	0
Lewis	1	1	2	0	9	9	0	0	0	11
Lincoln	0	0	0	1	2	3	0	0	0	3
Mason	0	0	0	0	2	2	0	0	0	2
Okanogan	0	0	0	0	1	1	0	0	0	1
Pacific	0	0	0	0	8	8	0	0	0	8
Pend Oreille	0	0	0	0	1	1	0	0	0	1
Pierce	5	4	9	0	44	44	0	0	0	53
San Juan	0	0	0	0	1	1	0	0	0	1
Skagit	0	0	0	0	4	4	0	0	0	4
<b>Skamania</b>	0	0	0	0	0	0	0	0	0	0
Snohomish	3	5	8	0	43	43	0	0	0	51
Spokane	0	0	0	0	5	5	0	0	0	5
Stevens	0	0	0	0	4	4	0	0	0	4
Thurston	3	1	4	0	2	2	0	0	0	6
<b>Wahkaikum</b>	0	0	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	1	1	0	1	1	2
Whatcom	1	2	3	0	1	1	0	0	0	4
Whitman	0	0	0	0	1	1	0	0	0	1
Yakima	0	0	0	0	13	13	0	0	0	13
<b>Not Listed/Other</b>	0	0	0	0	28	28	0	2	2	30
<b>Grand Total</b>	<b>79</b>	<b>26</b>	<b>105</b>	<b>1</b>	<b>236</b>	<b>237</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>349</b>