



# 2022 Fire in Washington

Prepared by the Washington State Fire Marshal's Office

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This report has been prepared by the Washington State Fire Marshal's Office (SFMO) with data provided by Washington State fire service agencies. The SFMO would like to thank all of our fire service partners for their continuous support in providing the data necessary for the generation of this report.



Washington State Patrol

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**STATE FIRE MARSHAL'S OFFICE**  
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## FROM THE CHIEF

Fire Service Partners and Advocates:

The 2022 *Fire in Washington* report captures the emergency response experience of the Washington State Fire Service for past year. 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). NFIRS provides valuable data and is vital when used in conjunction with fire agency reporting to NFIRS to constantly build upon year after year.

We continually use this data as part of a comprehensive effort to identify and prioritize regional risks around the state in order to make integrated and strategic investments of resources to reduce the occurrence and impact of those risks. This Community Risk Assessment was developed in partnership with a number of stakeholder groups and will guide us in implementing effective and targeted fire prevention programs and suppression strategies.

This effort 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.

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



## FROM THE INTERIM STATE FIRE MARSHAL

### Fire Service Partners:

The 2022 *Fire in Washington* report details the emergency response information reported by fire agencies from across the state with an emphasis on fire incidents. Our fire service in Washington provides critical fire and life safety services to the citizens of the state. Tracking the fire incidents that occur is an essential part of implementing and sustaining the programs and services that are needed to safeguard life and property.

Information revealed in this year's annual report shows that there were more than 30,733 fire incidents reported in the state in 2022. These incidents resulted in over \$330 million in property and content loss, which was lower than the year before, but concerning because those fires claimed the lives of 81 people this year, an increase of 3.8 percent over last year.

The State Fire Marshal's Office joined with fire service groups around the state in performing a comprehensive analysis of the data in this report, along with other relevant data sources, in generating a Statewide Risk Assessment. This effort will identify and prioritize regional risks to life and property and strategically invest the necessary resources in mitigating those risks. We hope to share the results of the actions taken at the state and local level as they become available. We are pleased with the cooperative efforts demonstrated by fire agencies across Washington in working to reduce the impact of fire on the lives and safety of our residents.

**State Fire Marshal Chad L. Cross**  
**State Fire Marshal's Office**



## PREFACE

This report provides an overview of all incident categories reported, with fire information in 2022 as the primary focus. The statistical reports are generated from the United States Fire Administration (USFA) 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 is not reflected in this publication.

NFIRS data plays a critical role in identifying fire risks in Washington State communities. Combined with other data sources, this report is an integral element in creating the Statewide Risk Assessment (SRA). The SRA provides fire service agencies and the communities they serve with data driven analysis of new and existing fire and life safety risks in order to prioritize and allocate resources for mitigation and reduction of those risks.

Washington State faces a unique set of hazards due to our topography, population distribution, and infrastructure. While there are many well-known hazards including wildland fires, inclement weather, and traffic disruptions, there are regional hazards that have developed in recent years due to shifting demographics, political activism, residential construction methods, changing energy demands, and climate instability. A comprehensive SRA will continue to guide the State Fire Marshal's Office, local fire agencies, and other groups to effectively direct efforts, funding, and workforce efforts to the most significant hazards that exist in a region.

Washington State's 453 fire service agencies are staffed by career firefighters, volunteer firefighters, or a combination of career and volunteer firefighters. It is in the interest of protecting the residents and firefighters of Washington State that we present this report.

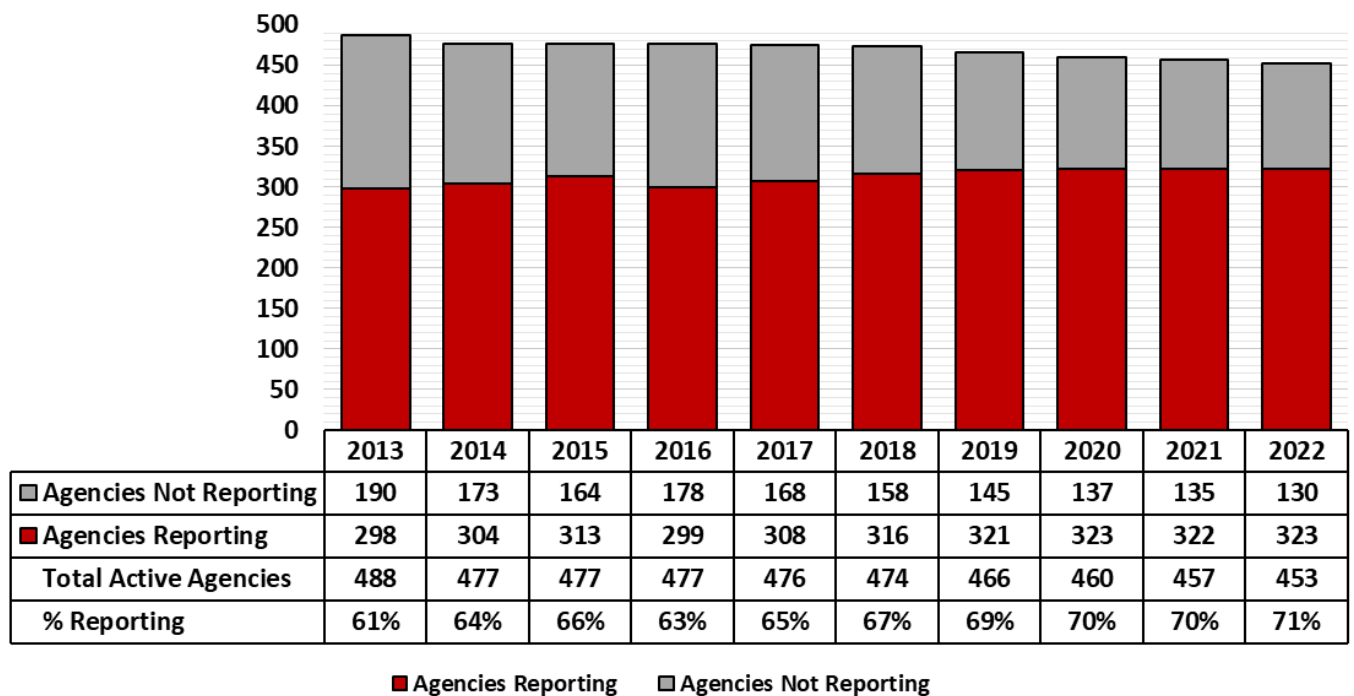
## NFIRS Participation in Washington State

The [Revised Code of Washington \(RCW\) 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). 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. Many agencies document and report all incidents, while some agencies only report fires as required by statute.

The chart below provides the number of agencies that submitted data for inclusion in the *Fire in Washington* annual report since 2013. While consolidation has reduced the actual number of fire agencies in the state, the percentage of agencies reporting has been steadily improving over the last five years. These numbers change year to year as more agencies choose to participate, which often includes submitting data for past years.

In 2022, 323 of the state's 453 fire agencies reported to NFIRS, representing 71 percent of all active fire agencies.

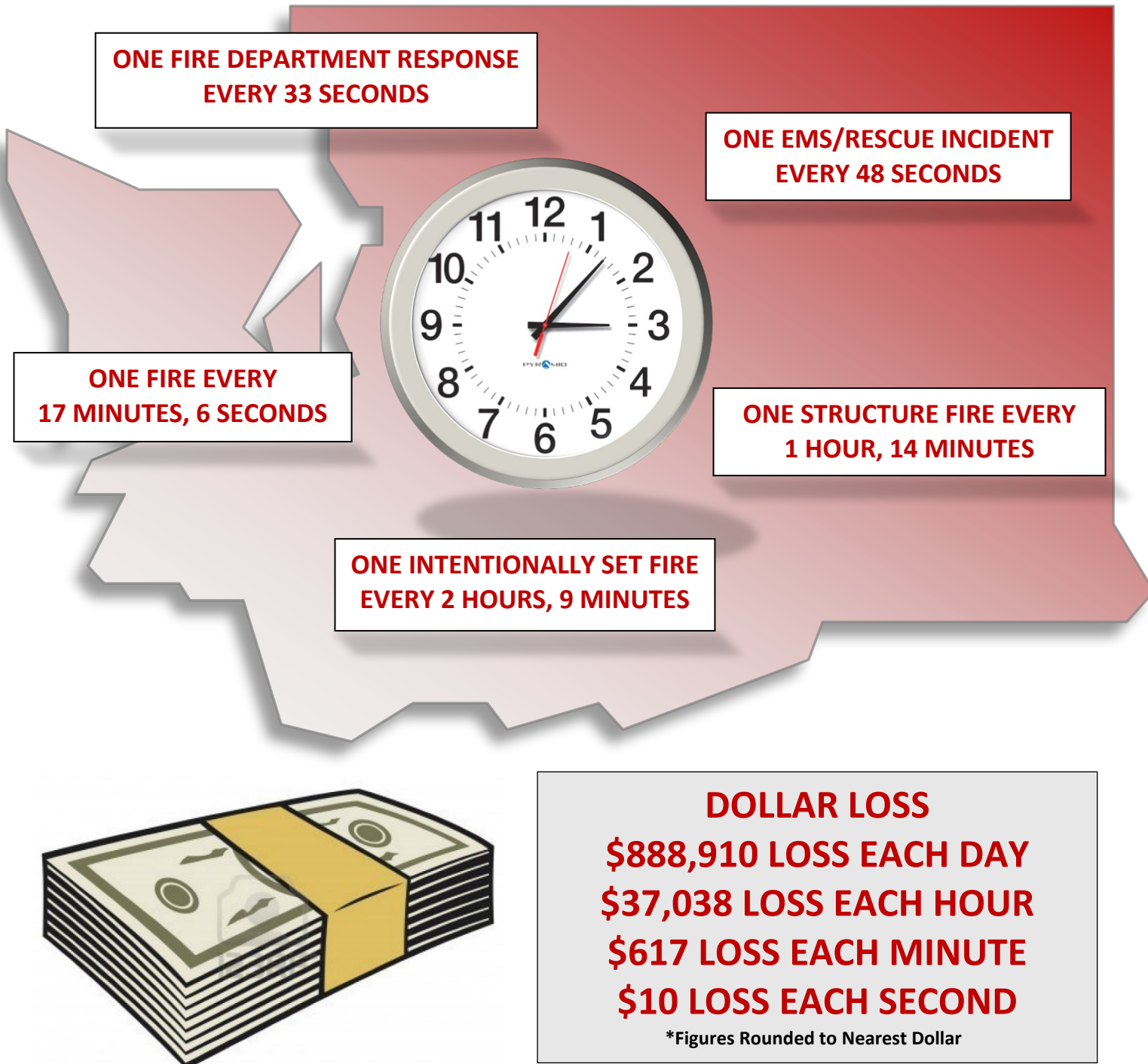
### NFIRS Participation in Washington State



## Washington Fire Clock

Washington fire agencies responded to over 951,000 incidents in 2022, including just over 660,000 emergency medical service calls, over 113,000 good intent calls, over 71,000 service calls, over 55,000 false alarms, and over 30,000 fire calls. Their availability to respond to the needs of the people of Washington at any time of day or night cannot be understated.

Overall, fires have resulted in more than \$330 million in fire losses in 2022. Structure fires accounted for 81 percent of that amount. Vehicle fires represented 11 percent of that amount and vegetation fires (both natural and cultivated) were responsible for just under 1 percent of the total. The rate at which these financial losses accumulate is alarming.



## 2022 SUMMARY OF INCIDENTS

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.

In 2022, fire agencies in Washington State reported 951,211 incidents to NFIRS. Of these incidents, 30,733 were reported as fires. **Fire** incidents resulted in 81 fatalities and over \$330 million in property and content loss. Fire agencies are encouraged to be as accurate as possible when documenting dollar loss. The figures are intended to provide insight into the financial impact fire has on our communities. Dollar loss estimates are calculated by fire service personnel and are not reflective of insurance settlements or actual total loss.

**Rescue and Emergency Medical Service** was the leading incident type category reported, representing over 69 percent of the total number of incidents. **Good Intent Calls** were second at almost 12 percent. **Service Calls** were third at nearly 8 percent of the total incidents. **False Alarms and False Calls** were the fourth most common incident at nearly 6 percent. This category includes all malicious or mischievous false alarms, as well as fire protection system malfunctions and unintentional false fire protection activations.

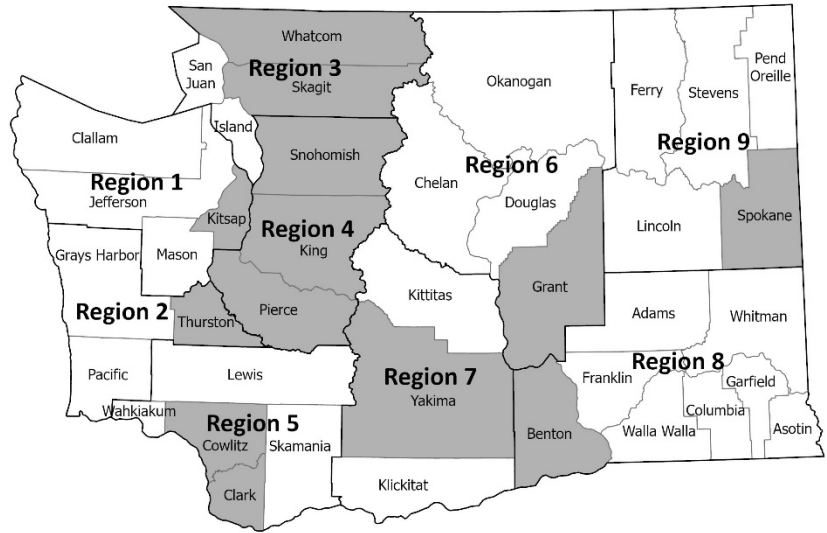
Emphasis in this report is on **Fire** incidents.

2022 Incident Type Category Summary*	Total Number of Incidents	% of Total Incidents	Total Reported Property and Contents Loss	% of Total Loss Reported
<b>Fire</b>	<b>30,733</b>	<b>3.23%</b>	<b>\$324,452,324</b>	<b>98.19%</b>
Structure Fires (including Confined Fires)	7,143	0.75%	\$267,916,755	81.08%
Vehicle Fires (Mobile Properties)	3,932	0.41%	\$37,918,026	11.48%
Fixed Mobile Property Fires	408	0.04%	\$5,491,965	1.66%
Outside Storage and Equipment Fires	1,817	0.19%	\$4,263,248	1.29%
Fire, Other	1,972	0.21%	\$4,114,260	1.25%
Natural Vegetation Fires	6,536	0.69%	\$3,241,700	0.98%
Outside Rubbish Fires	8,792	0.92%	\$980,943	0.30%
Cultivated Vegetation Fires	133	0.01%	\$525,427	0.16%
<b>Rescue and Emergency Medical Service</b>	<b>660,319</b>	<b>69.42%</b>	<b>\$2,639,864</b>	<b>0.80%</b>
<b>Service Calls</b>	<b>71,287</b>	<b>7.49%</b>	<b>\$1,531,925</b>	<b>0.46%</b>
<b>Hazardous Conditions (No Fire)</b>	<b>13,939</b>	<b>1.47%</b>	<b>\$897,472</b>	<b>0.27%</b>
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>	<b>823</b>	<b>0.09%</b>	<b>\$449,914</b>	<b>0.14%</b>
<b>Severe Weather and Natural Disaster</b>	<b>652</b>	<b>0.07%</b>	<b>\$210,500</b>	<b>0.06%</b>
<b>False Alarms and False Calls</b>	<b>55,501</b>	<b>5.83%</b>	<b>\$168,527</b>	<b>0.05%</b>
Unintentional False Fire Protection System Activation	26,683	2.81%	\$135,527	0.04%
Fire Protection System Malfunction	15,459	1.63%	\$30,000	0.01%
Malicious or Mischievous False Alarm	13,359	1.40%	\$3,000	0.00%
<b>Good Intent Calls</b>	<b>113,478</b>	<b>11.93%</b>	<b>\$83,852</b>	<b>0.03%</b>
<b>Other Types of Incidents</b>	<b>4,476</b>	<b>0.47%</b>	<b>\$4,000</b>	<b>0.00%</b>
<b>Undetermined Incident Type</b>	<b>3</b>	<b>0.00%</b>	<b>\$0</b>	<b>0.00%</b>
<b>Grand Totals</b>	<b>951,211</b>		<b>\$330,438,378</b>	<b>100.00%</b>

\*Sorted by Total Property and Contents Loss Reported. Totals exclude Mutual or Automatic Aid Given.

## Incidents Based on Population

In Washington State, 13 of the 39 counties have populations of over 100,000, representing 87 percent of the state's population. In 2022, approximately 87 percent of the incidents and 88 percent of the dollar loss reported was a result of fire occurring in the most densely populated counties.



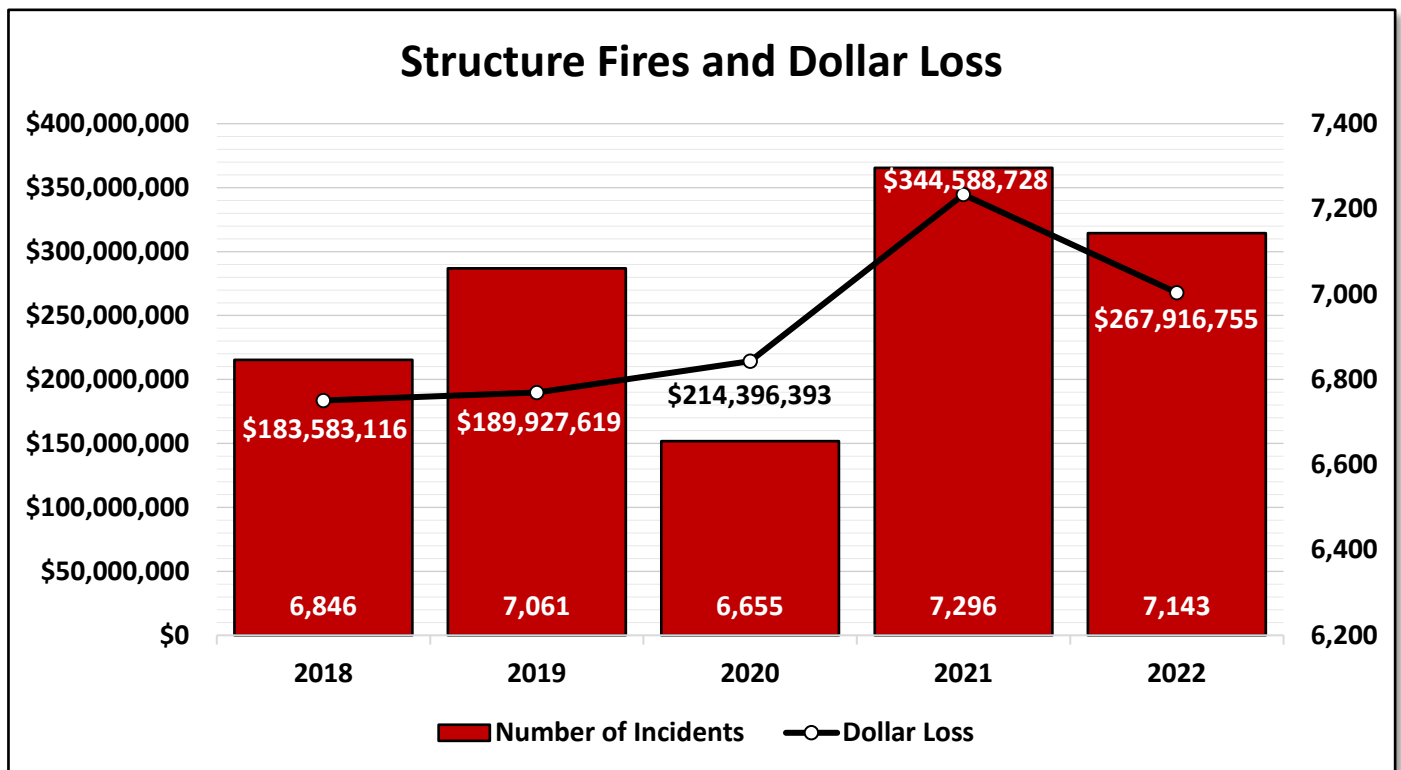
Estimated Population (Based on figures from the Washington State Office of Financial Management)	13 Counties with Populations over 100,000		26 Counties with Populations under 100,000		Statewide	
	6,804,700	87%	1,059,700	13%	7,864,400	
Incident Type Categories	Total # of Incidents	% of Total Incidents	Total # of Incidents	% of Total Incidents	Total # of Incidents	% of Total Incidents
Rescue and Emergency Medical Service	569,938	59.92%	90,381	9.50%	660,319	69.42%
Good Intent Calls	102,760	10.80%	10,718	1.13%	113,478	11.93%
Service Calls	61,184	6.43%	10,103	1.06%	71,287	7.49%
False Alarms and False Calls	49,330	5.19%	6,171	0.65%	55,501	5.83%
Fire Protection System Malfunction	13,693	1.44%	1,766	0.19%	15,459	1.63%
Malicious or Mischievous False Alarm	11,861	1.25%	1,498	0.16%	13,359	1.40%
Unintentional False Fire Protection System Activation	23,776	2.50%	2,907	0.31%	26,683	2.81%
Fire	26,496	2.79%	4,237	0.45%	30,733	3.23%
Cultivated Vegetation Fires	87	0.01%	46	0.00%	133	0.01%
Fire, other	1,608	0.17%	364	0.04%	1,972	0.21%
Fixed Mobile Property Fires	297	0.03%	111	0.01%	408	0.04%
Natural Vegetation Fires	5,402	0.57%	1,134	0.12%	6,536	0.69%
Outside Rubbish Fires	8,378	0.88%	414	0.04%	8,792	0.92%
Outside Storage & Equipment Fires	1,692	0.18%	125	0.01%	1,817	0.19%
Structure Fires (including Confined Fires)	5,784	0.61%	1,359	0.14%	7,143	0.75%
Vehicle Fires (Mobile Properties)	3,248	0.34%	684	0.07%	3,932	0.41%
Hazardous Conditions (No Fire)	12,047	1.27%	1,892	0.20%	13,939	1.47%
Other Types of Incidents	3,912	0.41%	564	0.06%	4,476	0.47%
Overpressure Rupture, Explosion, Overheat (No Fire)	704	0.07%	119	0.01%	823	0.09%
Severe Weather and Natural Disaster	446	0.05%	206	0.02%	652	0.07%
Undetermined Incident Type	3	0.00%	0	0.00%	3	0.00%
Grand Total	826,820	86.92%	124,391	13.08%	951,211	100%
Dollar Loss as a Result of Fire	\$284,019,255	87.54%	\$40,433,069	12.46%	\$324,452,324	100%

## Categories of Fire Incident

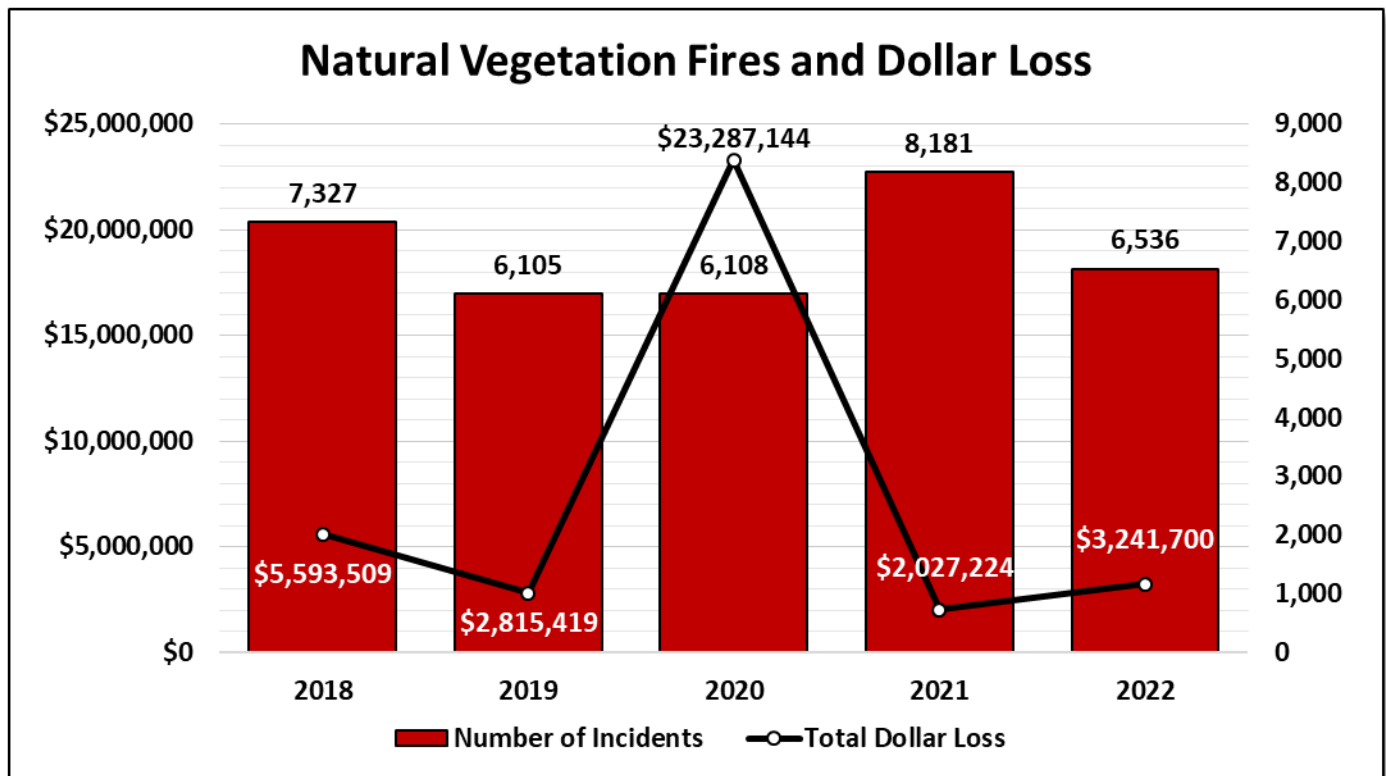
Fire service agencies have reported 134,616 fire incidents to the SFMO over the past five years. In these fires, 355 people have lost their lives and more than \$1.4 billion in property and contents have been lost. In 2022, the overall number of fires reported decreased 1.61 percent compared to the previous year.

**Outside Rubbish Fires** lead in fire incident type reported, accounting for 29 percent of all fire incidents reported since 2018, and accounting for just over \$3 million in loss. In 2022, **Outside Rubbish Fires** saw an 86 percent increase in occurrence over incidents reported in 2021.

**Structure Fires** were the second leading type of fire incident type reported. Structure fires accounted for approximately 23 percent of the fires reported, 81 percent of the estimated fire dollar loss, and approximately 64 percent of the fire fatalities in 2022. **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.



**Natural Vegetation Fires** were the third leading type of fire reported over the past five years, accounting for over 25 percent of the total. Dollar loss was estimated at over \$36 million during that same time period.



**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 fires can be a challenge for fire service personnel because the market value may not be known.

**Vehicle Fires** were the fourth leading type of fire incident reported to NFIRS in the past five years. These incidents 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 over 13 percent of the total fires reported and more than \$181 million in loss.

**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 6 percent of the fires reported over the past five years and resulted in more than \$11 million in loss.

**Fire, Other** is used when a more specific fire incident type is not available to describe the incident. Nearly 6 percent of the fires over a five-year period have been included in this category.

**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 percent of all fires and 1 percent of the dollar loss reported over the past five years.

## 2018 – 2022 Fire Incident Type by Category (Five-year total sorted by dollar loss)

Fire Incident Type Categories	2018	2019	2020	2021	2022	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	6,846	7,061	6,655	7,296	7,143	35,001
Dollar Loss	\$183,583,116	\$189,927,619	\$214,396,393	\$344,588,728	\$267,916,755	\$1,200,412,611
<b>Vehicle Fires</b>						
Number of Incidents	3,219	3,335	3,260	3,819	3,932	17,565
Dollar Loss	\$56,116,069	\$18,676,009	\$22,914,100	\$46,036,180	\$37,918,026	\$181,660,384
<b>Natural Vegetation Fires</b>						
Number of Incidents	7,327	6,105	6,108	8,181	6,536	34,257
Dollar Loss	\$5,593,509	\$2,815,419	\$23,287,144	\$2,027,224	\$3,241,700	\$36,964,996
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	294	325	319	375	408	1,721
Dollar Loss	\$2,411,606	\$4,774,452	\$2,067,626	\$4,193,889	\$5,491,965	\$18,939,538
<b>Fire, Other</b>						
Number of Incidents	1,384	1,316	1,292	1,595	1,972	7,559
Dollar Loss	\$1,104,774	\$1,369,271	\$1,124,786	\$8,328,927	\$4,114,260	\$16,042,018
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	1,434	1,508	1,712	2,316	1,817	8,787
Dollar Loss	\$1,763,736	\$861,850	\$932,092	\$3,474,336	\$4,263,248	\$11,295,262
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	138	136	120	121	133	648
Dollar Loss	\$857,530	\$544,646	\$614,900	\$1,313,815	\$525,427	\$3,856,318
<b>Outside Rubbish Fires</b>						
Number of Incidents	3,595	4,033	5,124	7,534	8,792	29,078
Dollar Loss	\$182,949	\$460,588	\$411,041	\$965,956	\$980,943	\$3,001,477
<b>Total Number of Incidents</b>	<b>24,237</b>	<b>23,819</b>	<b>24,590</b>	<b>31,237</b>	<b>30,733</b>	<b>134,616</b>
<b>Total Dollar Loss</b>	<b>\$251,613,289</b>	<b>\$219,429,854</b>	<b>\$265,748,082</b>	<b>\$410,929,055</b>	<b>\$324,452,324</b>	<b>\$1,472,172,604</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 12 percent of the fires and a little over 19 percent of the dollar loss reported between 2018 and 2022. Operating equipment includes sparks, embers, or flames from operating equipment, radiated or conducted heat from operating equipment, and electrical arcing.

Heat Source by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	7,549	6,917	7,281	9,877	9,101	40,725
Dollar Loss	\$109,806,081	\$119,064,561	\$126,668,813	\$241,787,790	\$185,340,700	\$782,667,945
<b>Operating Equipment</b>						
Number of Incidents	3,379	3,423	3,237	3,322	3,007	16,368
Dollar Loss	\$44,211,372	\$45,382,764	\$54,937,350	\$73,990,604	\$62,953,981	\$281,476,071
<b>Hot or Smoldering Object</b>						
Number of Incidents	1,841	1,780	1,685	2,064	1,759	9,129
Dollar Loss	\$45,811,595	\$15,603,709	\$15,453,612	\$23,534,654	\$19,029,897	\$119,433,467
<b>Open Flame or Smoking Material</b>						
Number of Incidents	2,142	2,104	1,957	2,373	2,010	10,586
Dollar Loss	\$28,758,102	\$19,101,077	\$18,949,694	\$28,351,433	\$21,191,855	\$116,352,161
<b>Heat Source Other</b>						
Number of Incidents	814	832	798	810	882	4,136
Dollar Loss	\$3,142,554	\$5,909,688	\$17,685,007	\$21,435,319	\$14,301,353	\$62,473,921
<b>Heat Spread from Another Fire</b>						
Number of Incidents	529	514	496	486	423	2,448
Dollar Loss	\$7,787,958	\$5,552,541	\$4,354,812	\$10,991,538	\$10,240,323	\$38,927,172
<b>(Blank)</b>						
Number of Incidents	7,038	7,363	8,360	11,192	12,683	46,636
Dollar Loss	\$5,387,459	\$1,810,346	\$19,779,294	\$2,350,423	\$2,224,992	\$31,552,514
<b>Chemical or Natural</b>						
Number of Incidents	229	323	198	273	212	1,235
Dollar Loss	\$3,537,973	\$4,322,067	\$3,023,817	\$2,921,093	\$4,836,030	\$18,640,980
<b>Explosives and Fireworks</b>						
Number of Incidents	662	516	521	796	584	3,079
Dollar Loss	\$2,544,269	\$2,545,586	\$3,541,083	\$4,433,590	\$4,041,093	\$17,105,621
<b>Multiple Heat Sources</b>						
Number of Incidents	54	47	57	44	72	274
Dollar Loss	\$625,926	\$137,515	\$1,354,600	\$1,132,611	\$292,100	\$3,542,752
<b>Total Number of Incidents</b>	<b>24,237</b>	<b>23,819</b>	<b>24,590</b>	<b>31,237</b>	<b>30,733</b>	<b>134,616</b>
<b>Total Dollar Loss</b>	<b>\$251,613,289</b>	<b>\$219,429,854</b>	<b>\$265,748,082</b>	<b>\$410,929,055</b>	<b>\$324,452,324</b>	<b>\$1,472,172,604</b>

## Fires by Area of Origin

Area of origin identifies the primary location where a fire started within a property. Fires that started in **Functional Areas** remain the top known area of origin, resulting in the greatest amount of dollar loss to property and contents at over \$276 million. Bedrooms, dining or eating areas, kitchens, bathrooms, laundry rooms, office spaces, and other functional areas are included in this category.

Area of Origin by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	1,988	1,916	2,023	3,107	3,236	12,270
Dollar Loss	\$45,551,834	\$36,033,688	\$41,670,710	\$131,703,868	\$63,885,741	\$318,845,841
<b>Functional Areas</b>						
Number of Incidents	2,069	2,112	1,982	2,020	1,908	10,091
Dollar Loss	\$37,648,363	\$44,434,213	\$61,921,668	\$57,052,435	\$75,502,949	\$276,559,628
<b>Structural Areas</b>						
Number of Incidents	875	993	863	984	840	4,555
Dollar Loss	\$32,396,672	\$48,743,511	\$30,895,491	\$53,613,406	\$39,279,932	\$204,929,012
<b>Storage Areas</b>						
Number of Incidents	691	825	780	954	939	4,189
Dollar Loss	\$24,365,805	\$26,893,866	\$22,724,777	\$38,627,545	\$41,414,947	\$154,026,940
<b>Outside Areas</b>						
Number of Incidents	7,124	6,098	6,255	7,874	6,234	33,585
Dollar Loss	\$46,454,950	\$12,677,152	\$36,223,131	\$26,581,687	\$17,814,809	\$139,751,729
<b>Vehicle Areas</b>						
Number of Incidents	2,772	2,830	2,696	3,142	3,190	14,630
Dollar Loss	\$20,898,401	\$17,143,435	\$22,037,348	\$26,422,511	\$31,977,895	\$118,479,590
<b>Areas of Groups of People (Assembly)</b>						
Number of Incidents	231	222	237	256	213	1,159
Dollar Loss	\$14,664,970	\$13,856,395	\$8,996,253	\$15,803,045	\$15,550,547	\$68,871,210
<b>Service or Equipment Areas</b>						
Number of Incidents	329	375	325	381	349	1,759
Dollar Loss	\$11,444,738	\$4,776,729	\$8,378,283	\$14,861,399	\$15,676,820	\$55,137,969
<b>Means of Egress/Exit Access/Exit Areas</b>						
Number of Incidents	179	193	191	242	213	1,018
Dollar Loss	\$9,822,156	\$4,242,219	\$3,579,108	\$14,532,157	\$9,653,356	\$41,828,996
<b>Other Areas of Origin</b>						
Number of Incidents	906	853	840	1,040	887	4,526
Dollar Loss	\$2,360,069	\$7,404,027	\$4,751,591	\$15,256,162	\$5,971,686	\$35,743,535
<b>(Blank)</b>						
Number of Incidents	7,038	7,363	8,360	11,192	12,683	46,636
Dollar Loss	\$5,387,459	\$1,810,346	\$19,779,294	\$2,350,423	\$2,224,992	\$31,552,514
<b>Technical Processing Areas</b>						
Number of Incidents	35	39	38	45	41	198
Dollar Loss	\$617,872	\$1,414,273	\$4,790,428	\$14,124,417	\$5,498,650	\$26,445,640
<b>Total Number of Incidents</b>	<b>24,237</b>	<b>23,819</b>	<b>24,590</b>	<b>31,237</b>	<b>30,733</b>	<b>134,616</b>
<b>Total Dollar Loss</b>	<b>\$251,613,289</b>	<b>\$219,429,854</b>	<b>\$265,748,082</b>	<b>\$410,929,055</b>	<b>\$324,452,324</b>	<b>\$1,472,172,604</b>

## Fire Incidents at Residential Properties

Over the past five years, 35 percent of the fires in Washington State occurred in residential properties. As categorized by NFIRS, residential properties include **One- and Two-Family Dwellings**, **Multi-Family Dwellings**, and **Other Residential Uses** (board and care facilities, hotel/motels, college housing, barracks, and dormitories).

<b>Fires by Residential Property Uses</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>5-Year Total</b>
<b>1 or 2 family dwelling</b>						
Number of Incidents	6,597	6,716	6,499	6,819	6,212	32,843
Dollar Loss	\$101,984,198	\$117,518,244	\$113,884,746	\$150,002,337	\$156,088,062	\$639,477,587
<b>Multifamily dwellings</b>						
Number of Incidents	1,961	1,957	2,011	2,439	2,458	10,826
Dollar Loss	\$25,976,331	\$22,615,287	\$43,455,248	\$44,306,456	\$49,173,322	\$185,526,644
<b>Other Residential Uses</b>						
Number of Incidents	655	709	654	815	805	3,638
Dollar Loss	\$8,113,889	\$3,352,167	\$4,419,526	\$9,083,437	\$11,186,058	\$36,155,077
<b>Total Number of Incidents</b>	<b>9,213</b>	<b>9,382</b>	<b>9,164</b>	<b>10,073</b>	<b>9,475</b>	<b>47,307</b>
<b>Total Dollar Loss</b>	<b>\$136,074,418</b>	<b>\$143,485,698</b>	<b>\$161,759,520</b>	<b>\$203,392,230</b>	<b>\$216,447,442</b>	<b>\$861,159,308</b>

When breaking down types of residential fires into further detail, it is important to note that 95 percent of fire losses from residential fires over the past five years have primarily been due to structure fires.

<b>Fire Incident Type Categories in Residential Properties</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>5-Year Total</b>
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	5,354	5,515	5,193	5,492	5,108	26,662
Dollar Loss	\$129,788,357	\$135,664,769	\$155,184,282	\$194,456,570	\$201,590,156	\$816,684,134
<b>Vehicle Fires</b>						
Number of Incidents	394	409	444	500	518	2,265
Dollar Loss	\$2,292,363	\$2,339,257	\$3,937,198	\$4,266,091	\$6,366,360	\$19,201,269
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	179	203	166	197	198	943
Dollar Loss	\$1,724,005	\$4,239,949	\$1,352,928	\$3,261,300	\$4,491,288	\$15,069,470
<b>Fire, Other</b>						
Number of Incidents	653	611	606	743	843	3,456
Dollar Loss	\$722,772	\$815,547	\$662,091	\$618,843	\$3,229,245	\$6,048,498
<b>Natural Vegetation Fires</b>						
Number of Incidents	1,228	1,133	1,067	1,324	1,157	5,909
Dollar Loss	\$1,279,156	\$219,538	\$201,661	\$382,337	\$266,938	\$2,349,630
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	241	261	277	305	243	1,327
Dollar Loss	\$196,470	\$114,427	\$327,409	\$211,841	\$317,841	\$1,167,988
<b>Outside Rubbish Fires</b>						
Number of Incidents	1,143	1,234	1,389	1,497	1,388	6,651
Dollar Loss	\$45,295	\$87,211	\$71,051	\$194,648	\$181,939	\$580,144
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	21	16	22	15	20	94
Dollar Loss	\$26,000	\$5,000	\$22,900	\$600	\$3,675	\$58,175
<b>Total Number of Incidents</b>	<b>9,213</b>	<b>9,382</b>	<b>9,164</b>	<b>10,073</b>	<b>9,475</b>	<b>47,307</b>
<b>Total Dollar Loss</b>	<b>\$136,074,418</b>	<b>\$143,485,698</b>	<b>\$161,759,520</b>	<b>\$203,392,230</b>	<b>\$216,447,442</b>	<b>\$861,159,308</b>

## Fires with Automatic Extinguishing Systems (AES)

AES fire sprinklers are a proven way to help protect lives and property against fires at home. These systems respond quickly to reduce heat, flames, and smoke from a fire, giving occupants valuable time to get to safety. Each individual sprinkler head is designed and calibrated to activate when it senses a significant heat change. Only the sprinkler head closest to the fire will activate, spraying water directly on the fire.

In 2022, there were 310 AES activations reported at properties with full or partial automatic extinguishing systems present. Approximately \$17 million in property and contents were reported to be lost.

No fire fatalities occurred in a building that was equipped with fire sprinklers in 2022.

Automatic Extinguishing System (AES) Presence* by Property Use Category	Number of Incidents	Dollar Loss
<b>Residential</b>	<b>169</b>	<b>\$7,930,278</b>
Multifamily dwellings	119	\$3,991,625
1 or 2 family dwelling	19	\$3,407,656
Hotel/motel, commercial	21	\$425,010
Boarding/rooming house, residential hotels	6	\$104,387
Dormitory type residence, other	2	\$1,500
Residential, other	1	\$100
Residential board and care	1	\$0
<b>Assembly</b>	<b>30</b>	<b>\$3,247,664</b>
<b>Mercantile and Business</b>	<b>30</b>	<b>\$2,691,621</b>
<b>Manufacturing and Processing</b>	<b>31</b>	<b>\$2,180,502</b>
<b>Educational Uses</b>	<b>10</b>	<b>\$464,550</b>
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>	<b>8</b>	<b>\$415,012</b>
<b>Health Care, Detention, and Corrections</b>	<b>17</b>	<b>\$204,610</b>
<b>Storage</b>	<b>11</b>	<b>\$165,200</b>
<b>Other Property Uses</b>	<b>1</b>	<b>\$45,000</b>
<b>Outside or Special Properties</b>	<b>3</b>	<b>\$400</b>
<b>Grand Total</b>	<b>310</b>	<b>\$17,344,837</b>

\*Data is based on full or partial AES presence

## Fires by Cause of Ignition

The cause of ignition is useful in determining the factors that result in a fire incident. The table below illustrates the causes of ignition reported through the NFIRS Fire Module over the past five years. Fire prevention measures and product safety features can be tailored to address the causes of fires reported through NFIRS.

Cause of Ignition	2018	2019	2020	2021	2022	Grand Total
<b>Unknown</b>						
Number of Incidents	8,809	8,876	10,052	14,033	15,118	56,888
Dollar Loss	\$85,239,324	\$92,271,429	\$128,336,412	\$198,043,784	\$126,140,462	\$630,031,411
<b>Other Unintentional, Careless</b>						
Number of Incidents	2,835	2,526	2,520	3,073	2,687	13,641
Dollar Loss	\$22,306,507	\$18,320,556	\$21,910,876	\$56,962,767	\$52,981,949	\$172,482,655
<b>Electrical Malfunction</b>						
Number of Incidents	1,064	1,168	1,044	1,134	1,039	5,449
Dollar Loss	\$16,697,192	\$16,057,085	\$19,340,594	\$30,235,229	\$25,468,033	\$107,798,133
<b>Other heat</b>						
Number of Incidents	1,247	1,184	1,079	1,372	1,202	6,084
Dollar Loss	\$39,372,522	\$11,044,803	\$11,296,154	\$12,567,367	\$16,869,288	\$91,150,134
<b>Intentional</b>						
Number of Incidents	2,778	2,852	3,270	4,454	4,089	17,443
Dollar Loss	\$20,423,654	\$13,031,077	\$14,987,337	\$25,762,299	\$16,561,831	\$90,766,198
<b>Equipment Misoperation, Failure</b>						
Number of Incidents	1,249	1,261	1,148	1,188	1,213	6,059
Dollar Loss	\$10,019,537	\$12,046,167	\$20,444,209	\$21,278,316	\$15,958,645	\$79,746,874
<b>Open Flame</b>						
Number of Incidents	1,085	981	967	1,099	823	4,955
Dollar Loss	\$8,239,200	\$10,707,301	\$10,141,146	\$13,110,806	\$10,441,893	\$52,640,346
<b>Cooking</b>						
Number of Incidents	2,108	2,071	1,987	1,981	2,121	10,268
Dollar Loss	\$7,876,899	\$9,806,824	\$9,568,277	\$11,368,051	\$10,131,759	\$48,751,810
<b>Investigation with Arson Mod.</b>						
Number of Incidents	201	157	124	142	149	773
Dollar Loss	\$9,090,464	\$7,771,687	\$5,348,808	\$7,207,575	\$14,873,955	\$44,292,489
<b>Heating</b>						
Number of Incidents	918	968	846	903	757	4,392
Dollar Loss	\$7,981,030	\$7,463,990	\$4,704,841	\$7,727,416	\$8,176,448	\$36,053,725
<b>Appliances</b>						
Number of Incidents	322	309	310	352	301	1,594
Dollar Loss	\$4,329,231	\$6,647,434	\$6,967,659	\$7,500,719	\$7,483,485	\$32,928,528
<b>Exposure</b>						
Number of Incidents	216	144	122	133	159	774
Dollar Loss	\$8,766,908	\$3,228,709	\$2,910,523	\$5,663,289	\$4,574,565	\$25,143,994

## Fires by Cause of Ignition (continued)

Cause of Ignition	2017	2018	2019	2020	2021	Grand Total
<b>Smoking</b>						
Number of Incidents	679	583	442	577	419	2,700
Dollar Loss	\$5,619,121	\$4,301,585	\$3,084,840	\$6,697,055	\$4,700,707	\$24,403,308
<b>Natural</b>						
Number of Incidents	530	566	518	615	496	2,725
Dollar Loss	\$4,706,948	\$4,621,640	\$4,253,583	\$3,524,394	\$6,268,858	\$23,375,423
<b>Other Equipment</b>						
Number of Incidents	71	85	74	95	92	417
Dollar Loss	\$620,201	\$1,445,863	\$1,500,373	\$2,833,390	\$3,132,030	\$9,531,857
<b>Playing with Heat Source</b>						
Number of Incidents	125	88	87	86	68	454
Dollar Loss	\$324,551	\$663,704	\$952,450	\$446,598	\$688,416	\$3,075,719
<b>Total Number of Incidents</b>	<b>24,237</b>	<b>23,819</b>	<b>24,590</b>	<b>31,237</b>	<b>30,733</b>	<b>134,616</b>
<b>Total Dollar Loss</b>	<b>\$251,613,289</b>	<b>\$219,429,854</b>	<b>\$265,748,082</b>	<b>\$410,929,055</b>	<b>\$324,452,324</b>	<b>\$1,472,172,604</b>

These categories have been recently expanded and are calculated fields that run via a hierarchy matrix created by USFA on the back end of NFIRS. This matrix examines various data fields in a fire incident report, and assigns one of the 16 causes, depending on the data entered by the reporting agencies. This Expanded Cause category is featured in the Fire Cause report available in the NFIRS Data Warehouse. These categories include:

**Unknown** Category includes when the cause of fire is documented as undetermined or not reported. 56,888 incidents were classified as this category over the last five years.

**Other Unintentional, Careless** causes include misuse of a material or product, abandoned or discarded materials or products, a heat source too close to combustibles, or other unintentional (mechanical failure/malfunction, backfire) sources.

**Electrical Malfunction** causes include electrical distribution, wiring, transformers, meter boxes, power switching gear, outlets, cords, plugs, surge protectors, electric fences, lighting fixtures, and electrical arcing as source of heat.

**Other Heat** causes include fireworks, explosives, flame/torch used for lighting, heat or spark from friction, molten material, hot material, and heat from hot or smoldering objects.

**Intentional** causes are where the ignition is intentional or the fire is deliberately set.

**Equipment Misoperation, Failure** causes include equipment operation deficiency or equipment malfunction.

**Open Flame** causes include torches, candles, matches, lighters, open fire, ember, ash, rekindled fire, or backfire from internal combustion engine as source of heat.

**Cooking** causes include confined cooking fires, stoves, ovens, fixed and portable warming units, deep fat fryers, or open grills as the source of heat.

**Investigation with Arson Module** means the cause is under investigation and a valid NFIRS Arson Module is present.

**Heating** causes include confined chimney or flue fires, fires confined to fuel burner/boiler malfunction, central heating, fixed and portable local heating units, fireplaces and chimneys, furnaces, boilers, or water heaters as source of heat.

**Appliances** causes include televisions, radios, video equipment, phonographs, dryers, washing machines, dishwashers, garbage disposals, vacuum cleaners, hand tools, electric blankets, irons, hairdryers, electric razors, can openers, dehumidifiers, heat pumps, water cooling devices, air conditioners, or freezers and refrigeration equipment as source of heat.

**Exposure** fires are caused by heat spreading from another hostile fire.

**Smoking** causes include cigarettes, cigars, pipes, and heat from undetermined smoking materials.

**Natural** fires are caused by the sun's heat, spontaneous ignition, chemicals, lightning, static discharge, high winds, storms, high water including floods, earthquakes, volcanic action, or animals.

**Other Equipment** causes include special equipment (radar, x-ray, computer, telephone, transmitters, vending machine, office machine, pumps, printing press, gardening tools, or agricultural equipment), processing equipment (furnace, kiln, other industrial machines), service or maintenance equipment (incinerator, elevator), separate motors or generators, vehicles in a structure, or other unspecified equipment.

**Playing with Heat Source** fires are caused by individuals playing with any materials contained in the categories above as well as fires where the factors contributing to ignition include playing with heat source. Children playing with fire are included in this category.

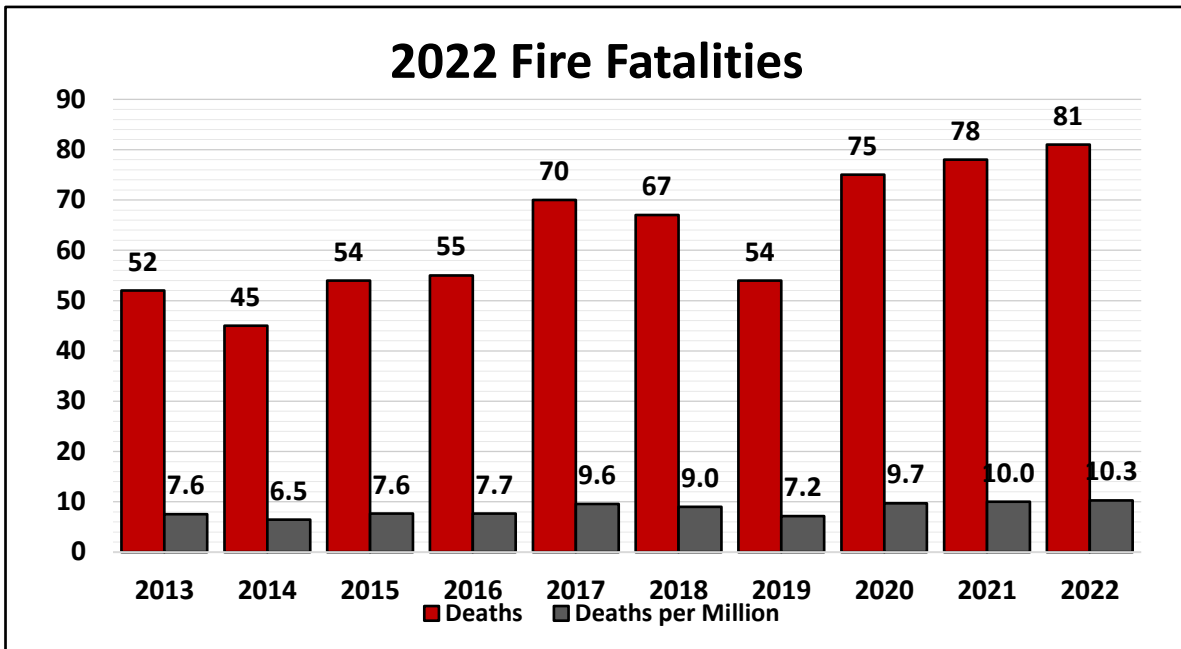
## Intentionally Set Fires by Property Use

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.

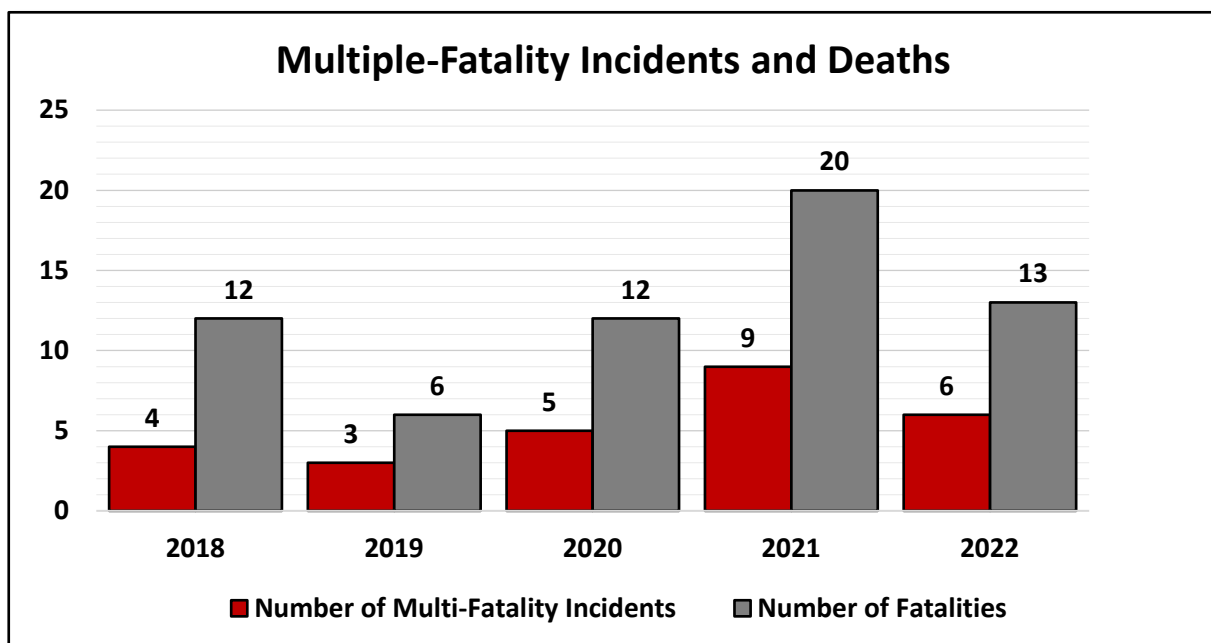
Intentionally Set Fires by Property Use	2018	2019	2020	2021	2022	Grand Total
<b>Residential</b>						
Number of Incidents	979	1,020	1,071	1,232	1,190	5,492
Dollar Loss	\$6,160,609	\$6,683,461	\$7,586,197	\$13,265,303	\$8,273,800	\$41,969,370
<b>Mercantile and Business</b>						
Number of Incidents	52	80	103	262	268	765
Dollar Loss	\$4,559,730	\$5,053,552	\$3,530,858	\$5,365,541	\$4,025,208	\$22,534,889
<b>Manufacturing and Processing</b>						
Number of Incidents	3	9	3	6	2	23
Dollar Loss	\$6,500,000	\$1	\$3,650	\$80,100	\$0	\$6,583,751
<b>Outside or Special Properties</b>						
Number of Incidents	1,050	985	1,114	1,457	1,535	6,141
Dollar Loss	\$816,679	\$511,818	\$1,037,285	\$1,150,795	\$2,171,570	\$5,688,147
<b>Storage</b>						
Number of Incidents	34	38	49	63	75	259
Dollar Loss	\$431,050	\$166,953	\$510,955	\$3,464,590	\$789,007	\$5,362,555
<b>Assembly</b>						
Number of Incidents	44	64	78	98	91	375
Dollar Loss	\$1,764,986	\$157,911	\$1,300,137	\$1,409,895	\$208,627	\$4,841,556
<b>Other Property Uses</b>						
Number of Incidents	36	53	64	121	106	380
Dollar Loss	\$91,710	\$123,900	\$200,401	\$631,552	\$392,052	\$1,439,615
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	50	70	59	87	69	335
Dollar Loss	\$0	\$46,821	\$754,800	\$238,897	\$4,800	\$1,045,318
<b>Educational Uses</b>						
Number of Incidents	37	40	30	34	34	175
Dollar Loss	\$64,635	\$256,880	\$25,784	\$26,274	\$610,600	\$984,173
<b>Unknown</b>						
Number of Incidents	462	476	676	1,074	698	3,386
Dollar Loss	\$25,121	\$6,050	\$28,020	\$84,183	\$29,578	\$172,952
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	13	10	11	11	13	58
Dollar Loss	\$6,434	\$23,730	\$1,250	\$39,845	\$25,090	\$96,349
<b>None</b>						
Number of Incidents	18	7	12	9	8	54
Dollar Loss	\$2,700	\$0	\$8,000	\$5,324	\$31,499	\$47,523
<b>Total Number of Incidents</b>	<b>2,778</b>	<b>2,852</b>	<b>3,270</b>	<b>4,454</b>	<b>4,089</b>	<b>17,443</b>
<b>Total Dollar Loss</b>	<b>\$20,423,654</b>	<b>\$13,031,077</b>	<b>\$14,987,337</b>	<b>\$25,762,299</b>	<b>\$16,561,831</b>	<b>\$90,766,198</b>

## 2022 FIRE FATALITIES

In 2022, 81 fire fatalities were reported to the State Fire Marshal's Office. Compared to 2021, fire fatalities increased 4 percent, raising the rate in Washington State to 10.3 fire deaths per million people. According to the latest available statistics from the USFA (2020 figures), the national fire death rate was 11.4 per million people. Washington State ranked 19th lowest in the nation.



In 2022, there was a 33 percent decrease in the number of multiple-fatality incidents, with a 35 percent decrease in fatalities from multiple-fatality incidents compared to the previous year. The 63 total fatalities occurring in multiple-fatality incidents in the last five years accounts for 18 percent of all fire fatalities reported to the SFMO in that same time period.



## Multiple-Fatality Fire Incidents Reported in 2022

**January** – In Thurston County, two adults and one child died in a single-family home fire.

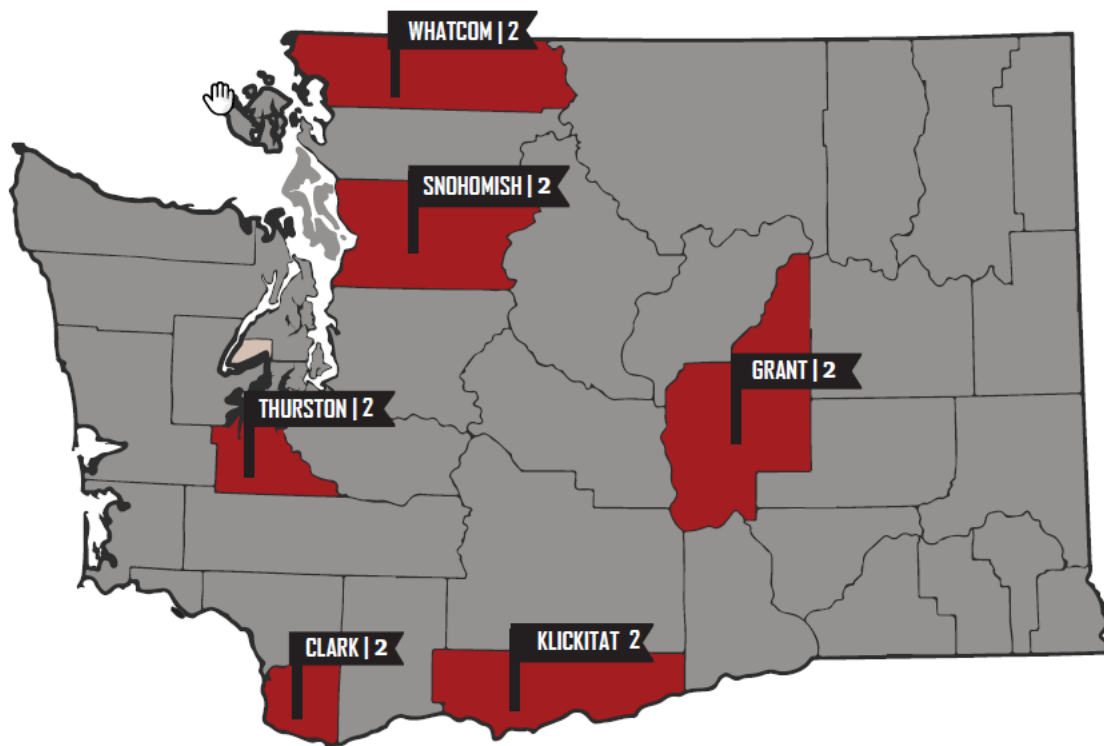
**April** – In Klickitat County, two adults died in a manufactured home fire.

**July** – In Whatcom County, two adults died in a manufactured home fire.

**August** – In Grant County, two adults died in a recreational vehicle fire.

**December** – In Clark County, two adults died in a mobile home fire.

In Snohomish County, two adults died in a multi-family home fire



The following pages provide further details on the incidents that resulted in fatalities.

## Fire Fatalities by Cause of Fire

**Smoking and/or Smoking Materials** fires have historically been the leading known cause for fire fatalities in Washington State. Over the past five years, 17 percent of the fire fatalities have been smoking-related. In 2022, 12 percent of the fire deaths were reported as due to smoking-related fires. 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 known cause for fire fatalities on a five year average, resulting in 8 percent of the total. In 2022, 7 percent of the fire deaths were reported as due to home heating.

Fires that were **Intentionally Set** have accounted for 7 percent of the fatalities over the last five years. In 2022, 10 percent of the deaths were related to intentionally set fires.

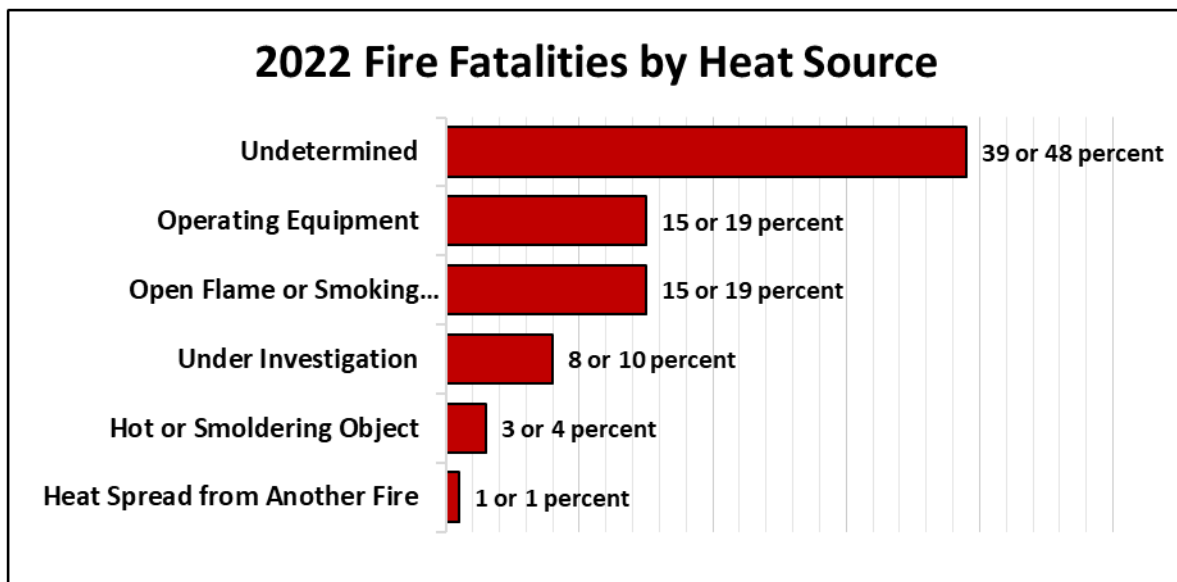
Cause Category	2018	2019	2020	2021	2022	5-Year Total	5-Year % of Total
Undetermined	19	20	27	15	35	116	33%
Smoking and/or Smoking Materials	14	9	12	14	10	59	17%
Under Investigation	11	4	1	20	8	44	12%
Home Heating	5	9	5	4	6	29	8%
Intentionally Set (Self-inflicted or by Another Person)	0	1	10	6	8	25	7%
Cooking	3	1	2	6	4	16	5%
Open Flame	3	2	2	3	5	15	4%
Vehicle Collision	8	1	2	0	1	12	3%
Heat from Powered Equipment	1	2	3	4	0	10	3%
Electrical Appliance	1	2	1	3	0	7	2%
Electrical Related	0	1	0	1	3	5	1%
Spark/Ember	0	0	4	0	1	5	1%
Unknown	0	0	3	0	0	3	1%
Fireworks	0	2	1	0	0	3	1%
Failure of Equipment	1	0	0	1	0	2	1%
Multiple Heat Sources	0	0	1	1	0	2	1%
Wildfire	0	0	1	0	0	1	0%
Heat Source Failure	1	0	0	0	0	1	0%
<b>TOTAL</b>	<b>67</b>	<b>54</b>	<b>75</b>	<b>78</b>	<b>81</b>	<b>355</b>	<b>100%</b>

## Fire Fatalities by Heat Source

Of the 81 fire fatalities reported in 2022, **Undetermined** fires were the leading known heat source, resulting in 39 deaths and 48 percent of the total number of deaths. USFA reports smoking accounted for 9 percent of residential fire deaths in 2020.

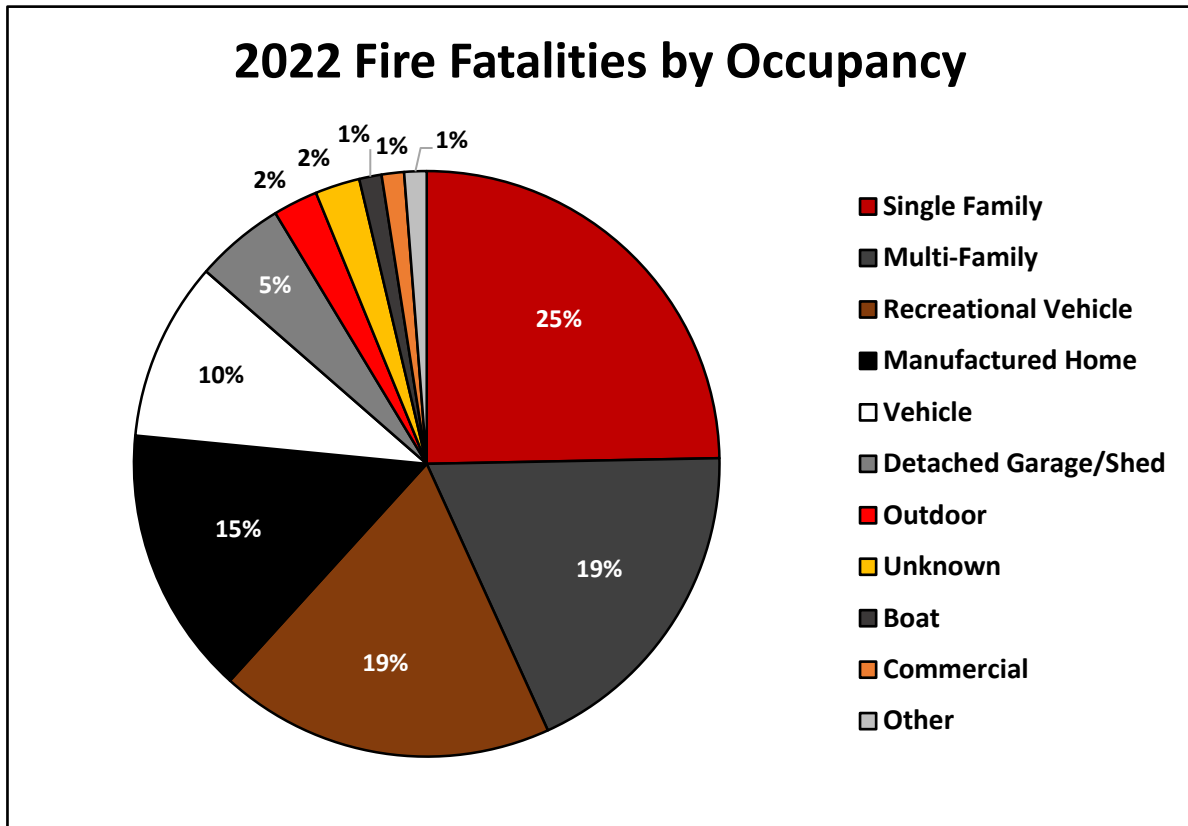
High risk behaviors, such as smoking in sleeping or lounging areas; smoking while using medical oxygen; and smoking while under the influence of mind-altering drugs or alcohol should be avoided. These fires can also occur due to improper disposal of smoking materials.

For **Undetermined** fire causes, the exact fire cause cannot be clearly identified by the fire investigator.



## Fire Fatalities by Occupancy

In 2022, 58 percent of reported fire fatalities occurred in Residential Occupancies (**Single Family**, **Multi-Family**, and **Manufactured**). Approximately 19 percent of the fatalities occurred in **Recreational Vehicles/Travel Trailers**. **Motor Vehicle** fires were responsible for 10% of the fire fatalities. Another 4 percent of the fire fatalities were due to **Outside and Unknown** fires. Fires in **Detached Garage/Sheds** resulted in 5 percent of the fire fatalities. The remaining fires in **Business Occupancies, Boats, and Other**, resulted in 3 percent of the fire fatalities.



\*Percentages have been rounded to the nearest whole number

## Fire Fatalities by Age and Gender

Children are at significant risk in fire situations. In 2022, three children under age 10 died in fires, representing 3.7 percent of the fatalities. 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		Unknown		Grand Total	% of Total
	Total	% of Total	Total	% of Total	Total	% of Total		
<b>10 and Under</b>	3	3.7%	0	0.0%	0	0.0%	<b>3</b>	<b>3.7%</b>
<b>11 - 19</b>	1	1.2%	0	0.0%	0	0.0%	<b>1</b>	<b>1.2%</b>
<b>20 - 29</b>	1	1.2%	3	3.7%	0	0.0%	<b>4</b>	<b>4.9%</b>
<b>30 - 39</b>	2	2.5%	3	3.7%	0	0.0%	<b>5</b>	<b>6.2%</b>
<b>40 - 49</b>	2	2.5%	4	4.9%	0	0.0%	<b>6</b>	<b>7.4%</b>
<b>50 - 59</b>	4	4.9%	9	11.1%	0	0.0%	<b>13</b>	<b>16.0%</b>
<b>60 - 69</b>	6	7.4%	10	12.3%	0	0.0%	<b>16</b>	<b>19.8%</b>
<b>70 - 79</b>	5	6.2%	9	11.1%	0	0.0%	<b>14</b>	<b>17.3%</b>
<b>80 - 89</b>	5	6.2%	3	3.7%	0	0.0%	<b>8</b>	<b>9.9%</b>
<b>Unknown Age</b>	4	4.9%	5	6.2%	2	2.5%	<b>11</b>	<b>13.6%</b>
<b>Grand Total</b>	<b>33</b>	<b>40.7%</b>	<b>46</b>	<b>56.8%</b>	<b>2</b>	<b>2.5%</b>	<b>81</b>	<b>100.0%</b>

In 2022, 63 percent 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, or they may be home alone at the time a fire starts. Most of the fatalities occurred in the 60-69 age group.

## Fire Fatalities by Cause of Ignition

Investigations to determine whether fire fatalities were due to **Intentional** or **Unintentional** causes found that 10 percent of fatalities were due to **Intentional** fires and 43 percent of fatalities were due to **Unintentional** fires. The remaining 44 percent of fatalities were due to fires that are still **Under Investigation** or could not be determined.

Cause of Ignition	Fatalities	%
Unintentional	35	43%
Under Investigation	19	23%
Undetermined	17	21%
Intentional	8	10%
Failure of Equipment or Heat Source	2	2%
<b>Grand Total</b>	<b>81</b>	<b>100%</b>

## Fire Fatalities and Fire Protection Devices

Smoke alarms detect smoke and provide early notification to building occupants, potentially reducing the loss of life in fires. Approximately 89 percent of the reported fire fatalities occurred in locations where smoke alarms should be installed; however, only 21 percent of fatality incidents could confirm that smoke alarms were present. Fatalities that occurred in areas where smoke alarms are not required and would not normally be located (such as Motor Vehicles) are not included in this section of data.

Smoke Alarms	2018		2019		2020		2021		2022	
Total Fatalities	67		54		75		78		81	
<b>Alarm Presence*</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>
Present	22	33%	16	30%	18	24%	20	26%	17	21%
Not Present	24	36%	17	31%	18	24%	14	18%	20	25%
Unknown	21	31%	21	39%	24	32%	32	41%	35	43%
<b>Alarm Operation When Present</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>	<b>#</b>	<b>%</b>
Operated**	14	64%	6	38%	6	33%	6	30%	6	7%
Did not Operate	2	9%	6	38%	6	33%	5	25%	5	6%
Unknown	6	27%	4	19%	6	33%	9	45%	6	7%

\*Fatalities that occurred at/in properties where a smoke alarm would not be present are not included

\*\*Percentages are based only on the total number of fire fatalities where a smoke alarm was confirmed to be present

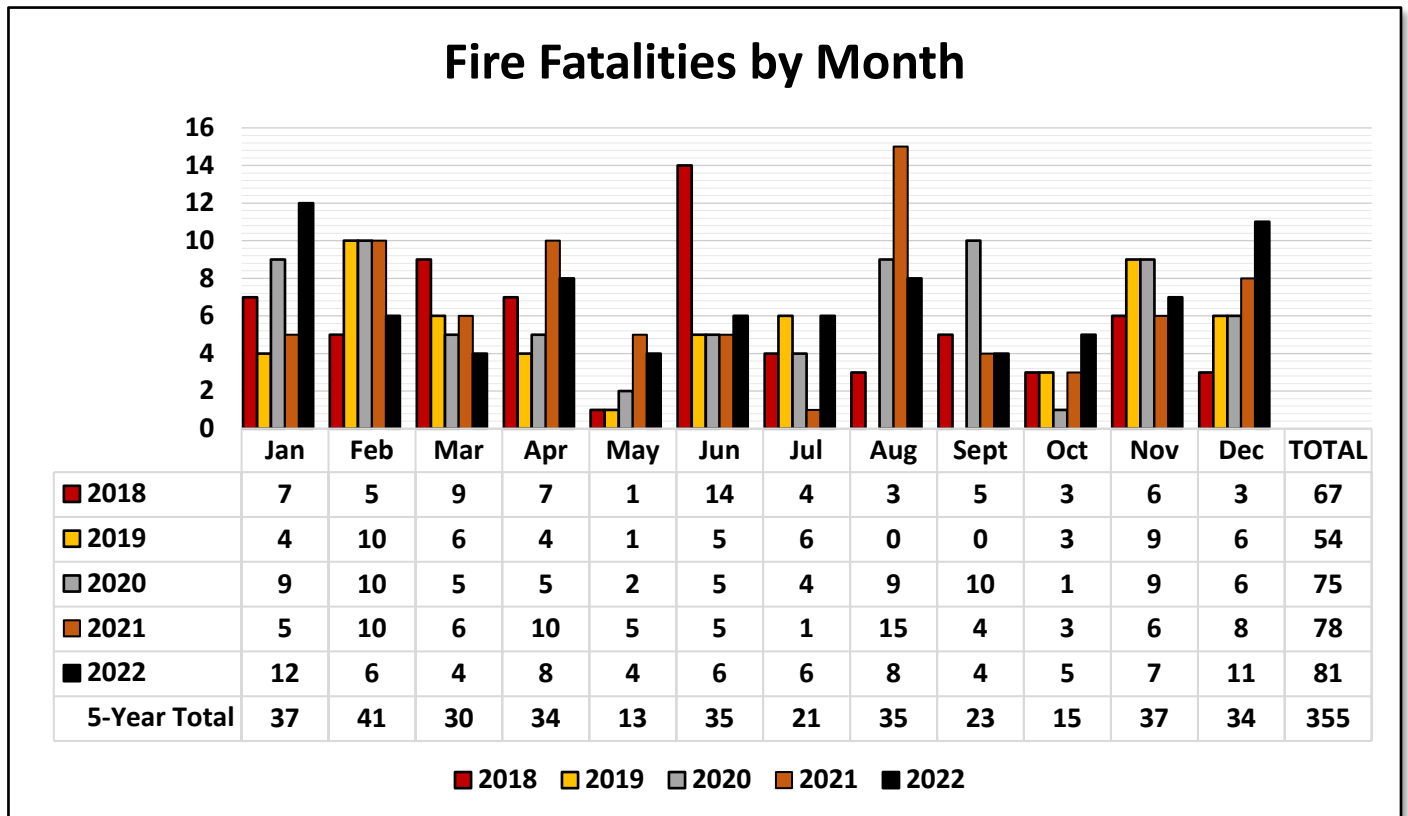
Seven percent of fire fatalities in 2022 occurred in areas where smoke alarms or detectors should be installed and were found to be present and operational. In those fatalities, human factors, such as the individual was asleep, under the influence of drugs or alcohol, advanced age, or had physical or mental impairment, may have contributed to the individual not escaping the fire.

## Fire Fatalities by Month

Over the last five years, 355 people have died in fires in Washington State. On average, more than five people die each month in fire incidents. Fire fatalities are usually higher in the winter months, particularly January and February.

January 2022, was the deadliest month in the past five years with 12 fire deaths in that month alone.

August 2019, and September 2019, were the only months in the past five years with no fire fatalities reported.



## Fire Fatalities by County

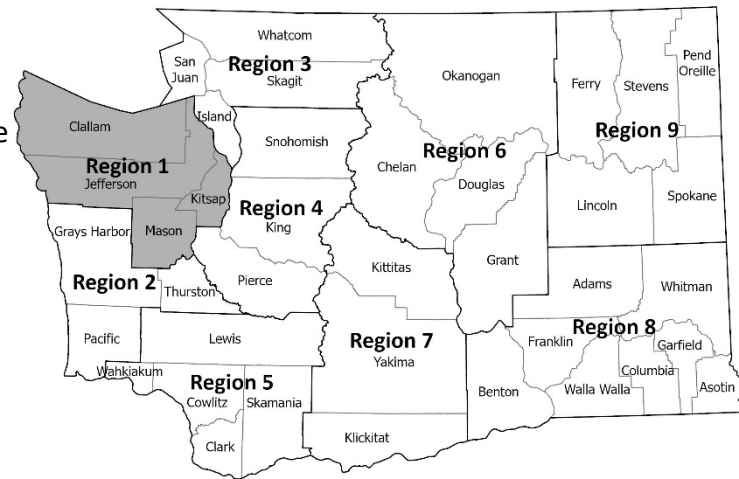
The chart below provides the number of fire fatalities in each county for the past five years, as well as fire fatality rate by county, per 100,000 people for the past five years. From 2018 to 2022, Columbia, Ferry, Garfield, Lincoln, Pend Oreille, San Juan, Wahkiakum, and Whitman counties have not reported any fire fatalities.

County	2018		2019		2020		2021		2022		5-Year Fatality Total
	# of Deaths	Rate*	# of Deaths	Rate*	# of Deaths	Rate*	# of Deaths	Rate*	# of Deaths	Rate*	
Adams	0	0.0	0	0.0	0	0.0	1	4.8	0	0.0	1
Asotin	0	0.0	1	4.4	0	0.0	0	0.0	0	0.0	1
Benton	4	2.0	2	1.0	5	2.4	5	2.4	3	1.4	19
Chelan	1	1.3	0	0.0	2	2.5	0	0.0	0	0.0	3
Clallam	1	1.3	1	1.3	0	0.0	3	3.9	0	0.0	5
Clark	2	0.4	1	0.2	5	1.0	6	1.2	5	1.0	19
Columbia	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Cowlitz	0	0.0	0	0.0	1	0.9	2	1.8	1	0.9	4
Douglas	2	4.7	0	0.0	0	0.0	0	0.0	1	2.3	3
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	1.0	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	1	1.0	2	2.0	2	2.0	0	0.0	5	4.9	10
Grays Harbor	4	5.4	1	1.3	2	2.6	1	1.3	4	5.2	12
Island	0	0.0	1	1.2	0	0.0	0	0.0	3	3.4	4
Jefferson	6	19.0	1	3.1	0	0.0	0	0.0	0	0.0	7
King	16	0.7	10	0.4	17	0.7	18	0.8	9	0.4	70
Kitsap	5	1.9	2	0.7	0	0.0	2	0.7	2	0.7	11
Kittitas	0	0.0	0	0.0	0	0.0	0	0.0	1	2.1	1
Klickitat	0	0.0	0	0.0	1	4.4	0	0.0	2	8.6	3
Lewis	0	0.0	2	2.5	1	1.2	0	0.0	1	1.2	4
Lincoln	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Mason	1	1.6	1	1.5	1	1.5	2	3.0	3	4.5	8
Okanogan	0	0.0	0	0.0	4	9.5	2	4.7	1	2.3	7
Pacific	1	4.7	1	4.6	1	4.3	0	0.0	3	12.7	6
Pend Oreille	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Pierce	5	0.6	4	0.5	6	0.7	7	0.8	4	0.4	26
San Juan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Skagit	3	2.4	3	2.3	2	1.5	0	0.0	1	0.8	9
Skamania	1	8.4	0	0.0	0	0.0	0	0.0	1	8.4	2
Snohomish	3	0.4	8	1.0	9	1.1	4	0.5	8	0.9	32
Spokane	7	1.4	1	0.2	4	0.7	8	1.5	6	1.1	26
Stevens	0	0.0	0	0.0	0	0.0	2	4.3	0	0.0	2
Thurston	1	0.4	3	1.0	5	1.7	4	1.3	6	2.0	19
Wahkiakum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Walla Walla	0	0.0	2	3.2	0	0.0	1	1.6	1	1.6	4
Whatcom	0	0.0	6	2.7	2	0.9	3	1.3	7	3.0	18
Whitman	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Yakima	3	1.2	1	0.4	4	1.6	7	2.7	3	1.2	18
<b>STATE TOTAL</b>	<b>67</b>	<b>0.9</b>	<b>54</b>	<b>0.7</b>	<b>75</b>	<b>1.0</b>	<b>78</b>	<b>1.0</b>	<b>81</b>	<b>1.0</b>	<b>355</b>

## 2022 REGIONAL REPORTS

### Region 1

Region 1 is comprised of Clallam, Jefferson, Kitsap, and Mason counties. In 2022, 94 percent 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	2018	2019	2020	2021	2022	5-Year Total
<b>Fire</b>						
Number of Incidents	1,556	1,309	1,189	1,363	1,280	6,697
Dollar Loss	\$10,717,356	\$10,749,893	\$12,349,827	\$21,713,248	\$16,446,064	\$71,976,388
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
Number of Incidents	72	70	43	64	55	304
Dollar Loss	\$0	\$20,900	\$1,500	\$2,150	\$7,000	\$31,550
<b>Rescue and Emergency Medical Service</b>						
Number of Incidents	48,734	51,960	49,288	55,149	58,351	263,482
Dollar Loss	\$80,100	\$92,000	\$0	\$35,095	\$567,000	\$774,195
<b>Hazardous Conditions (No Fire)</b>						
Number of Incidents	1,341	1,209	1,271	1,349	1,297	6,467
Dollar Loss	\$33,500	\$26,300	\$5,010	\$41,722	\$22,500	\$129,032
<b>Service Calls</b>						
Number of Incidents	7,474	6,891	6,205	7,188	7,519	35,277
Dollar Loss	\$0	\$82,500	\$3,300	\$78,200	\$1,020	\$165,020
<b>Good Intent Calls</b>						
Number of Incidents	6,005	6,084	6,692	7,909	8,570	35,260
Dollar Loss	\$0	\$0	\$0	\$0	\$400	\$400
<b>False Alarms &amp; False Calls</b>						
Number of Incidents	2,847	3,117	3,115	3,084	3,642	15,805
Dollar Loss	\$10,000	\$0	\$0	\$2,000	\$0	\$12,000
<b>Severe Weather &amp; Natural Disaster</b>						
Number of Incidents	151	112	55	76	79	473
Dollar Loss	\$0	\$0	\$15,000	\$500	\$0	\$15,500
<b>Other Types of Incidents</b>						
Number of Incidents	303	573	516	528	502	2,422
Dollar Loss	\$0	\$0	\$12,000	\$0	\$500	\$12,500
<b>Undetermined</b>						
Number of Incidents	0	0	0	0	0	0
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>68,483</b>	<b>71,325</b>	<b>68,374</b>	<b>76,710</b>	<b>81,295</b>	<b>366,187</b>
<b>Total Dollar Loss</b>	<b>\$10,840,956</b>	<b>\$10,971,593</b>	<b>\$12,386,637</b>	<b>\$21,872,915</b>	<b>\$17,044,484</b>	<b>\$73,116,585</b>

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

Over the past five years, 6,697 fire incidents, resulting in nearly \$72 million in property and content loss, have been reported by fire service agencies in Region 1. **Structure Fires (including Confined Fires)** accounted for 30 percent of the five-year total and 86 percent of the dollar loss to property and contents.

Fire Incident Type Categories	2018	2019	2020	2021	2022	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	511	453	377	341	319	2,001
Dollar Loss	\$9,458,836	\$9,120,780	\$10,896,291	\$19,237,017	\$13,024,055	\$61,736,979
<b>Vehicle Fires</b>						
Number of Incidents	202	233	199	228	223	1,085
Dollar Loss	\$791,920	\$1,060,044	\$1,078,284	\$1,794,602	\$1,628,279	\$6,353,129
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	36	23	26	27	31	143
Dollar Loss	\$121,300	\$287,000	\$179,125	\$531,655	\$922,000	\$2,041,080
<b>Fire, Other</b>						
Number of Incidents	116	80	99	119	110	524
Dollar Loss	\$22,200	\$146,058	\$134,235	\$78,195	\$675,815	\$1,056,503
<b>Natural Vegetation Fires</b>						
Number of Incidents	513	346	347	426	369	2,001
Dollar Loss	\$216,120	\$105,771	\$42,072	\$24,016	\$60,770	\$448,749
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	48	37	27	42	38	192
Dollar Loss	\$103,130	\$27,255	\$17,070	\$28,085	\$86,650	\$262,190
<b>Outside Rubbish Fires</b>						
Number of Incidents	129	134	113	178	189	743
Dollar Loss	\$3,850	\$2,985	\$2,750	\$19,678	\$47,295	\$76,558
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	1	3	1	2	1	8
Dollar Loss	\$0	\$0	\$0		\$1,200	\$1,200
<b>Total Number of Incidents</b>	<b>1,556</b>	<b>1,309</b>	<b>1,189</b>	<b>1,363</b>	<b>1,280</b>	<b>6,697</b>
<b>Total Dollar Loss</b>	<b>\$10,717,356</b>	<b>\$10,749,893</b>	<b>\$12,349,827</b>	<b>\$21,713,248</b>	<b>\$16,446,064</b>	<b>\$71,976,388</b>

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

Over the past five years, 2,001 structure fire incidents, resulting in more than \$61 million in property and content loss, have been reported by fire service agencies in Region 1. **Building Fires** accounted for 49 percent of the five-year total and 98 percent of the dollar loss to property and contents.

Structure Fires (Including confined fires)	2018	2019	2020	2021	2022	5-Year Total
<b>Building fires</b>						
Number of Incidents	249	219	187	172	148	975
Dollar Loss	\$9,281,685	\$9,004,103	\$10,743,996	\$19,166,937	\$12,350,434	\$60,547,155
<b>Fires in structures other than in a building</b>						
Number of Incidents	19	18	15	16	10	78
Dollar Loss	\$147,100	\$36,720	\$133,150	\$51,600	\$542,102	\$910,672
<b>Cooking fire, confined to container</b>						
Number of Incidents	92	89	62	32	60	335
Dollar Loss	\$13,551	\$64,607	\$11,945	\$8,050	\$113,165	\$211,318
<b>Chimney or flue fire, confined to chimney or flue</b>						
Number of Incidents	78	86	81	96	71	412
Dollar Loss	\$500	\$14,600	\$5,000	\$9,900	\$17,352	\$47,352
<b>Fuel burner/boiler malfunction, fire confined</b>						
Number of Incidents	5	5	1	1	3	15
Dollar Loss	\$11,000	\$0	\$1,000	\$0	\$0	\$12,000
<b>Trash or rubbish fire, contained</b>						
Number of Incidents	68	36	31	23	26	184
Dollar Loss	\$5,000	\$750	\$1,200	\$530	\$1,002	\$8,482
<b>Incinerator overload or malfunction, fire confined</b>						
Number of Incidents	0	0	0	1	1	2
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>511</b>	<b>453</b>	<b>377</b>	<b>341</b>	<b>319</b>	<b>2,001</b>
<b>Total Dollar Loss</b>	<b>\$9,458,836</b>	<b>\$9,120,780</b>	<b>\$10,896,291</b>	<b>\$19,237,017</b>	<b>\$13,024,055</b>	<b>\$61,736,979</b>

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

Over the past five years, 3,118 fire incidents occurred in **Residential** properties, resulting in more than \$56 million in property and content loss, have been reported by fire service agencies in Region 1. **Residential** fires accounted for 46 percent of the five-year total and 78 percent of the dollar loss to property and contents.

Fires by Property Use	2018	2019	2020	2021	2022	5-Year Total
<b>Residential</b>						
Number of Incidents	746	666	594	585	527	3,118
Dollar Loss	\$9,540,036	\$9,584,030	\$8,830,364	\$15,543,374	\$12,643,254	\$56,141,058
<b>Storage</b>						
Number of Incidents	40	33	40	37	35	185
Dollar Loss	\$329,600	\$148,700	\$714,200	\$3,121,299	\$701,602	\$5,015,401
<b>Mercantile and Business</b>						
Number of Incidents	63	57	50	76	50	296
Dollar Loss	\$92,020	\$101,603	\$2,029,950	\$1,886,272	\$714,674	\$4,824,519
<b>Outside or Special Properties</b>						
Number of Incidents	581	440	415	537	527	2,500
Dollar Loss	\$588,800	\$786,860	\$592,491	\$992,428	\$835,007	\$3,795,586
<b>Assembly</b>						
Number of Incidents	32	32	26	20	37	147
Dollar Loss	\$56,900	\$33,200	\$133,122	\$25,100	\$811,125	\$1,059,447
<b>Manufacturing and Processing</b>						
Number of Incidents	5	6	5	9	15	40
Dollar Loss	\$0	\$50,000	\$0	\$55,040	\$560,002	\$665,042
<b>Educational Uses</b>						
Number of Incidents	14	13	3	9	8	47
Dollar Loss	\$6,000	\$43,000	\$0	\$2,300	\$105,000	\$156,300
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	31	29	33	50	51	194
Dollar Loss	\$4,000	\$500	\$40,000	\$56,200	\$43,800	\$144,500
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	13	10	9	16	9	57
Dollar Loss	\$100,000	\$500	\$2,550	\$15,520	\$1,600	\$120,170
<b>None</b>						
Number of Incidents	3	4	3	3	5	18
Dollar Loss	\$0	\$0	\$5,000	\$14,000	\$30,000	\$49,000
<b>Other Property Uses</b>						
Number of Incidents	18	9	7	16	6	56
Dollar Loss	\$0	\$0	\$2,000	\$1,215	\$0	\$3,215
<b>Unknown</b>						
Number of Incidents	10	10	4	5	10	39
Dollar Loss	\$0	\$1,500	\$150	\$500	\$0	\$2,150
<b>Total Number of Incidents</b>	<b>1,556</b>	<b>1,309</b>	<b>1,189</b>	<b>1,363</b>	<b>1,280</b>	<b>6,697</b>
<b>Total Dollar Loss</b>	<b>\$10,717,356</b>	<b>\$10,749,893</b>	<b>\$12,349,827</b>	<b>\$21,713,248</b>	<b>\$16,446,064</b>	<b>\$71,976,388</b>

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

Over the past five years, 707 fire incidents in the **Functional Areas** of a building, resulting in more than \$15 million in property and content loss, have been reported by fire service agencies in Region 1. **Functional Areas** fires accounted for 10 percent of the five-year total and 21 percent of the dollar loss to property and contents.

Area of Origin by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Storage Areas</b>						
Number of Incidents	71	70	42	64	53	300
Dollar Loss	\$2,071,500	\$2,023,188	\$757,520	\$6,222,403	\$4,174,542	\$15,249,153
<b>Functional Areas</b>						
Number of Incidents	188	163	144	119	93	707
Dollar Loss	\$1,921,899	\$2,488,550	\$3,949,260	\$4,189,669	\$2,623,364	\$15,172,742
<b>Structural Areas</b>						
Number of Incidents	76	80	54	53	39	302
Dollar Loss	\$2,583,246	\$1,009,070	\$1,877,900	\$1,305,275	\$2,733,505	\$9,508,996
<b>Undetermined</b>						
Number of Incidents	133	90	119	128	139	609
Dollar Loss	\$2,277,640	\$1,204,330	\$1,043,392	\$1,868,387	\$2,491,024	\$8,884,773
<b>Outside Areas</b>						
Number of Incidents	454	317	269	285	238	1,563
Dollar Loss	\$133,230	\$155,221	\$457,820	\$4,789,111	\$768,940	\$6,304,322
<b>Areas of Groups of People (Assembly)</b>						
Number of Incidents	31	20	32	17	14	114
Dollar Loss	\$578,200	\$1,977,000	\$2,637,340	\$553,650	\$445,730	\$6,191,920
<b>Vehicle Areas</b>						
Number of Incidents	176	193	158	195	177	899
Dollar Loss	\$555,120	\$1,017,414	\$615,644	\$1,610,819	\$1,213,142	\$5,012,139
<b>Service or Equipment Areas</b>						
Number of Incidents	33	37	29	27	32	158
Dollar Loss	\$165,000	\$709,950	\$165,730	\$901,700	\$653,044	\$2,595,424
<b>Means of Egress/Exit Access/Exit Areas</b>						
Number of Incidents	17	6	15	10	6	54
Dollar Loss	\$141,200	\$6,000	\$224,500	\$173,233	\$305,893	\$850,826
<b>Other Areas of Origin</b>						
Number of Incidents	81	73	74	73	49	350
Dollar Loss	\$50,300	\$4,428	\$600,356	\$21,900	\$143,920	\$820,904
<b>Tehcnical Processing Areas</b>						
Number of Incidents	1	1	2	2	1	7
Dollar Loss	\$0	\$0	\$0	\$55,000	\$750,000	\$805,000
<b>(Blank)</b>						
Number of Incidents	295	259	251	390	439	1,634
Dollar Loss	\$240,021	\$154,742	\$20,365	\$22,101	\$142,960	\$580,189
<b>Total Number of Incidents</b>	<b>1,556</b>	<b>1,309</b>	<b>1,189</b>	<b>1,363</b>	<b>1,280</b>	<b>6,697</b>
<b>Total Dollar Loss</b>	<b>\$10,717,356</b>	<b>\$10,749,893</b>	<b>\$12,349,827</b>	<b>\$21,713,248</b>	<b>\$16,446,064</b>	<b>\$71,976,388</b>

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

Over the past five years, 2,161 fire incidents with a heat source of **Undetermined**, resulting in more than \$38 million in property and content loss, have been reported by fire service agencies in Region 1. Fires with an **Undetermined** heat source accounted for 32 percent of the five-year total and 53 percent of the dollar loss to property and contents.

Heat Source by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	513	428	398	427	395	2,161
Dollar Loss	\$5,834,336	\$5,122,760	\$7,479,889	\$11,668,777	\$7,977,146	\$38,082,908
<b>Operating Equipment</b>						
Number of Incidents	274	228	218	199	167	1,086
Dollar Loss	\$1,756,973	\$2,316,575	\$1,916,503	\$2,720,270	\$4,392,461	\$13,102,782
<b>Heat Spread from Another Fire</b>						
Number of Incidents	38	52	34	33	31	188
Dollar Loss	\$568,340	\$133,800	\$202,850	\$4,984,800	\$497,582	\$6,387,372
<b>Open Flame or Smoking Material</b>						
Number of Incidents	154	97	80	99	92	522
Dollar Loss	\$341,550	\$2,102,181	\$361,340	\$554,525	\$893,975	\$4,253,571
<b>Hot or Smoldering Object</b>						
Number of Incidents	143	108	92	99	94	536
Dollar Loss	\$1,126,336	\$573,200	\$524,250	\$825,960	\$1,110,928	\$4,160,674
<b>Heat Source Other</b>						
Number of Incidents	89	83	84	59	34	349
Dollar Loss	\$446,000	\$147,100	\$1,657,900	\$124,500	\$431,282	\$2,806,782
<b>Explosives and Fireworks</b>						
Number of Incidents	24	25	17	28	13	107
Dollar Loss	\$2,800	\$183,535	\$164,830	\$20,000	\$999,300	\$1,370,465
<b>Chemical or Natural</b>						
Number of Incidents	23	24	15	26	11	99
Dollar Loss	\$401,000	\$15,500	\$21,900	\$791,300	\$430	\$1,230,130
<b>(Blank)</b>						
Number of Incidents	295	259	251	390	439	1,634
Dollar Loss	\$240,021	\$154,742	\$20,365	\$22,101	\$142,960	\$580,189
<b>Multiple Heat Sources</b>						
Number of Incidents	3	5	0	3	4	15
Dollar Loss	\$0	\$500	\$0	\$1,015	\$0	\$1,515
<b>Total Number of Incidents</b>	<b>1,556</b>	<b>1,309</b>	<b>1,189</b>	<b>1,363</b>	<b>1,280</b>	<b>6,697</b>
<b>Total Dollar Loss</b>	<b>\$10,717,356</b>	<b>\$10,749,893</b>	<b>\$12,349,827</b>	<b>\$21,713,248</b>	<b>\$16,446,064</b>	<b>\$71,976,388</b>

Sources listed as **(Blank)** are incidents where a fire or wildland module was not required to be completed.

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

Over the past five years, 2,316 fire incidents with an **Unknown** cause of ignition, resulting in more than \$26 million in property and content loss, have been reported by fire service agencies in Region 1. **Unknown** ignition caused fires accounted for 34 percent of the five-year total and 36 percent of the dollar loss to property and contents.

For definitions of each of the following categories, see the descriptions [listed earlier in this report](#).

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Unknown</b>						
Number of Incidents	480	387	371	522	556	2,316
Dollar Loss	\$3,757,739	\$4,427,260	\$5,201,383	\$6,945,944	\$5,926,968	\$26,259,294
<b>Other Unintentional, Careless</b>						
Number of Incidents	171	137	130	133	102	673
Dollar Loss	\$1,303,237	\$359,800	\$2,407,289	\$1,884,671	\$1,234,119	\$7,189,116
<b>Cooking</b>						
Number of Incidents	114	107	80	51	74	426
Dollar Loss	\$84,001	\$444,812	\$702,665	\$4,830,120	\$761,915	\$6,823,513
<b>Electrical Malfunction</b>						
Number of Incidents	100	60	69	68	57	354
Dollar Loss	\$799,830	\$1,169,058	\$232,861	\$1,351,490	\$3,190,793	\$6,744,032
<b>Open Flame</b>						
Number of Incidents	84	56	59	46	46	291
Dollar Loss	\$377,800	\$1,896,065	\$514,900	\$230,855	\$1,820,426	\$4,840,046
<b>Equipment Misoperation, Failure</b>						
Number of Incidents	77	88	56	67	63	351
Dollar Loss	\$255,073	\$370,047	\$181,692	\$1,614,118	\$577,852	\$2,998,782
<b>Other heat</b>						
Number of Incidents	71	63	47	69	61	311
Dollar Loss	\$330,780	\$665,780	\$564,985	\$715,166	\$687,402	\$2,964,113
<b>Appliances</b>						
Number of Incidents	19	21	27	22	15	104
Dollar Loss	\$692,000	\$263,900	\$1,372,190	\$486,975	\$46,360	\$2,861,425
<b>Investigation with Arson Mod.</b>						
Number of Incidents	32	20	8	11	5	76
Dollar Loss	\$527,300	\$430,650	\$100,000	\$1,493,223	\$60,150	\$2,611,323
<b>Heating</b>						
Number of Incidents	113	110	109	123	94	549
Dollar Loss	\$989,696	\$171,500	\$666,650	\$384,750	\$330,532	\$2,543,128
<b>Intentional</b>						
Number of Incidents	186	155	160	144	135	780
Dollar Loss	\$439,900	\$265,000	\$24,885	\$145,621	\$1,045,510	\$1,920,916

### Region 1 Fire Incidents by Cause of Ignition (continued)

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Natural</b>						
Number of Incidents	49	46	34	52	27	208
Dollar Loss	\$526,000	\$88,500	\$52,902	\$830,800	\$1,430	\$1,499,632
<b>Exposure</b>						
Number of Incidents	15	23	11	15	12	76
Dollar Loss	\$531,900	\$84,920	\$91,050	\$245,100	\$290,655	\$1,243,625
<b>Smoking</b>						
Number of Incidents	28	24	18	26	23	119
Dollar Loss	\$53,500	\$36,101	\$5,000	\$419,610	\$81,950	\$596,161
<b>Other Equipment</b>						
Number of Incidents	7	7	8	9	7	38
Dollar Loss	\$48,500	\$54,500	\$231,375	\$134,805	\$40,002	\$509,182
<b>Playing with Heat Source</b>						
Number of Incidents	10	5	2	5	3	25
Dollar Loss	\$100	\$22,000	\$0	\$0	\$350,000	\$372,100
<b>Total Number of Incidents</b>	<b>1,556</b>	<b>1,309</b>	<b>1,189</b>	<b>1,363</b>	<b>1,280</b>	<b>6,697</b>
<b>Total Dollar Loss</b>	<b>\$10,717,356</b>	<b>\$10,749,893</b>	<b>\$12,349,827</b>	<b>\$21,713,248</b>	<b>\$16,446,064</b>	<b>\$71,976,388</b>

## Region 1 Incidents by Reporting Agency

The following represents a breakdown of activity and property and contents loss as reported by individual agencies within Region 1.

REGION 1 2022 REPORTING SUMMARY							
	% of Region Reporting = 94%	# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
<b>Clallam</b>	<b>% of County Reporting = 89%</b>	<b>16,743</b>	<b>0</b>	<b>148</b>	<b>0</b>	<b>16,891</b>	<b>\$ 3,307,251</b>
05D01	Clallam #1, Forks	119	0	0	0	119	\$ -
05D02	Clallam #2, Clallam 2 Fire-Rescue	1,719	0	83	0	1,802	\$ 1,193,060
05D03	Clallam #3, Sequim	8,644	0	5	0	8,649	\$ 1,295,560
05D04	Clallam #4, Joyce	325	0	40	0	365	\$ 404,893
05D05	Clallam #5, Clallam Bay/Seki	35	0	2	0	37	\$ -
05D06	Clallam #6, Three Rivers	19	0	13	0	32	\$ -
05M03	Port Angeles Fire Dept	5,832	0	5	0	5,837	\$ 106,738
05S03	Quileute Fire Dept	0	0	0	0	0	\$ -
05X01	Neah Bay Volunteer Fire Dept	50	0	0	0	50	\$ 307,000
<b>Jefferson</b>	<b>% of County Reporting = 83%</b>	<b>6,711</b>	<b>0</b>	<b>616</b>	<b>0</b>	<b>0</b>	<b>\$ 2,719,925</b>
16D01	Jefferson #1, E. Jefferson Fire-Rescue	4,829	0	146	0	4,975	\$ 2,545,925
16D02	Jefferson #2, Quilcene	366	0	124	0	490	\$ -
16D03	Jefferson #3, Port Ludlow Fire & Rescue	1,021	0	207	0	1,228	\$ 174,000
16D04	Jefferson #4, Brinnon	393	0	117	0	510	\$ -
16D05	Jefferson #5, Discovery Bay	102	0	22	0	124	\$ -
16D07	Jefferson #7, Clearwater	0	0	0	0	0	\$ -
<b>Kitsap</b>	<b>% of County Reporting = 100%</b>	<b>43,774</b>	<b>15</b>	<b>1,524</b>	<b>0</b>	<b>0</b>	<b>\$ 9,506,832</b>
18D01	Kitsap #1, Central Kitsap Fire & Rescue	10,480	0	304	0	10,784	\$ 2,977,659
18D02	Kitsap #2, Bainbridge Island Fire Dept	3,070	0	53	0	3,123	\$ 445,860
18D07	Kitsap #7, South Kitsap Fire & Rescue	12,272	15	217	0	12,504	\$ 2,088,612
18D10	Kitsap #10, North Kitsap Fire & Rescue	3,413	0	145	0	3,558	\$ 999,292
18M01	Bremerton Fire Department	10,300	0	575	0	10,875	\$ 2,169,914
18M04	Kitsap #18/Poulsbo FD	4,239	0	230	0	4,469	\$ 825,495
<b>Mason</b>	<b>% of County Reporting = 100%</b>	<b>14,067</b>	<b>0</b>	<b>3,634</b>	<b>17</b>	<b>17,718</b>	<b>\$ 1,510,476</b>
23D02	North Mason Regional Fire Authority	2,812	0	14	0	2,826	\$ 2,000
23D03	Mason #3, Grapeview	465	0	471	0	936	\$ 12,000
23D04	Mason #4, Arcadia/Kamilche	1,658	0	75	0	1,733	\$ 100,000
23D05	Mason #5, Central Mason Fire & EMS	6,743	0	2,547	0	9,290	\$ 1,113,376
23D06	Mason #6, Union	52	0	19	0	71	\$ -
23D11	Mason #11	487	0	344	0	831	\$ -
23D12	Mason #12	0	0	0	5	5	\$ -
23D13	Mason #13	216	0	22	0	238	\$ 12,000
23D16	Mason #16, W. Mason Fire	907	0	89	0	996	\$ 25,100
23D17	Mason #17, Lilliwaup/Eldon	118	0	4	12	134	\$ -
23D18	Hoodsport Fire & EMS	609	0	49	0	658	\$ 246,000
<b>Grand Total</b>		<b>81,295</b>	<b>15</b>	<b>5,922</b>	<b>17</b>	<b>87,249</b>	<b>\$ 17,044,484</b>

Numbers for incidents, exposures, aid given, and No Activity Reports are all based on valid incident data only; invalid incidents or incidents that failed to properly import into the system are not included. # of Incidents is based on primary reports coded as Aid 1, 2, 5, or N.

## Region 2

Region 2 is comprised of Grays Harbor, Pacific, and Thurston counties. In 2022, 68 percent 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	2018	2019	2020	2021	2022	5-Year Total
<b>Fire</b>						
Number of Incidents	1,549	1,414	1,352	1,554	1,544	7,413
Dollar Loss	\$9,007,059	\$10,134,004	\$12,124,257	\$8,309,883	\$12,167,482	\$51,742,685
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
Number of Incidents	19	32	37	32	32	152
Dollar Loss	\$0	\$0	\$0	\$500	\$0	\$500
<b>Rescue and Emergency Medical Service</b>						
Number of Incidents	45,234	49,173	47,568	51,562	52,214	245,751
Dollar Loss	\$0	\$40,000	\$0	\$3,000	\$120,200	\$163,200
<b>Hazardous Conditions (No Fire)</b>						
Number of Incidents	633	813	688	778	683	3,595
Dollar Loss	\$19,500	\$75,750	\$2,000	\$5,000	\$762	\$103,012
<b>Service Calls</b>						
Number of Incidents	3,987	4,292	4,683	5,808	5,960	24,730
Dollar Loss	\$0	\$2,001	\$17,100	\$0	\$6,000	\$25,101
<b>Good Intent Calls</b>						
Number of Incidents	5,487	6,246	6,410	7,586	7,707	33,436
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>False Alarms &amp; False Calls</b>						
Number of Incidents	2,346	2,478	2,414	2,454	2,794	12,486
Dollar Loss	\$0	\$0	\$0	\$0	\$3,000	\$3,000
<b>Severe Weather &amp; Natural Disaster</b>						
Number of Incidents	21	17	25	38	47	148
Dollar Loss	\$0	\$0	\$0	\$0	\$25,500	\$25,500
<b>Other Types of Incidents</b>						
Number of Incidents	101	80	280	293	292	1,046
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Undetermined</b>						
Number of Incidents	4	0	0	0	0	4
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>59,381</b>	<b>64,545</b>	<b>63,457</b>	<b>70,105</b>	<b>71,273</b>	<b>328,761</b>
<b>Total Dollar Loss</b>	<b>\$9,026,559</b>	<b>\$10,251,755</b>	<b>\$12,143,357</b>	<b>\$8,318,383</b>	<b>\$12,322,944</b>	<b>\$52,062,998</b>

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

Over the past five years, 7,413 fire incidents, resulting in more than \$51 million in property and content loss, have been reported by fire service agencies in Region 2. **Structure Fires (including Confined Fires)** accounted for 34 percent of the five-year total and 88 percent of the dollar loss to property and contents.

Fire Incident Type Categories	2018	2019	2020	2021	2022	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	526	496	489	523	486	2,520
Dollar Loss	\$8,307,198	\$9,415,097	\$10,526,943	\$7,590,977	\$9,731,805	\$45,572,020
<b>Vehicle Fires</b>						
Number of Incidents	178	164	177	202	212	933
Dollar Loss	\$454,650	\$396,971	\$1,316,497	\$546,571	\$1,792,688	\$4,507,377
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	28	30	35	29	38	160
Dollar Loss	\$190,000	\$309,662	\$222,700	\$108,725	\$453,900	\$1,284,987
<b>Natural Vegetation Fires</b>						
Number of Incidents	512	433	360	435	414	2,154
Dollar Loss	\$24,181	\$342	\$4,856	\$10,082	\$109,145	\$148,606
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	39	69	68	85	77	338
Dollar Loss	\$24,590	\$5,652	\$29,989	\$17,525	\$5,010	\$82,766
<b>Fire, Other</b>						
Number of Incidents	63	53	50	59	94	319
Dollar Loss	\$100	\$3,250	\$20,100	\$7,600	\$46,687	\$77,737
<b>Outside Rubbish Fires</b>						
Number of Incidents	198	167	171	221	221	978
Dollar Loss	\$6,340	\$3,030	\$3,172	\$28,403	\$28,247	\$69,192
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	5	2	2	0	2	11
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>1,549</b>	<b>1,414</b>	<b>1,352</b>	<b>1,554</b>	<b>1,544</b>	<b>7,413</b>
<b>Total Dollar Loss</b>	<b>\$9,007,059</b>	<b>\$10,134,004</b>	<b>\$12,124,257</b>	<b>\$8,309,883</b>	<b>\$12,167,482</b>	<b>\$51,742,685</b>

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

Over the past five years, 2,520 structure fire incidents, resulting in more than \$45 million in property and content loss, have been reported by fire service agencies in Region 2. **Building Fires** accounted for 50 percent of the five-year total and 99 percent of the dollar loss to property and contents.

<b>Structure Fires (Including confined fires)</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>5-Year Total</b>
<b>Building fires</b>						
Number of Incidents	268	251	228	259	246	1,252
Dollar Loss	\$8,253,567	\$9,390,817	\$10,491,866	\$7,529,953	\$9,539,510	\$45,205,713
<b>Cooking fire, confined to container</b>						
Number of Incidents	82	80	89	66	60	377
Dollar Loss	\$29,110	\$20,280	\$12,555	\$57,104	\$63,670	\$182,719
<b>Fires in structures other than in a building</b>						
Number of Incidents	11	11	14	10	18	64
Dollar Loss	\$1,000	\$3,500	\$21,000	\$1,400	\$103,925	\$130,825
<b>Trash or rubbish fire, contained</b>						
Number of Incidents	95	77	86	121	113	492
Dollar Loss	\$16,622	\$0	\$20	\$1,520	\$8,150	\$26,312
<b>Fuel burner/boiler malfunction, fire confined</b>						
Number of Incidents	5	3	4	4	3	19
Dollar Loss	\$400	\$0	\$1,500	\$0	\$9,500	\$11,400
<b>Chimney or flue fire, confined to chimney or flue</b>						
Number of Incidents	64	72	66	60	45	307
Dollar Loss	\$1,500	\$500	\$2	\$1,000	\$7,050	\$10,052
<b>Commercial Compactor fire, confined to rubbish</b>						
Number of Incidents	1	2	0	3	0	6
Dollar Loss	\$4,999	\$0	\$0	\$0	\$0	\$4,999
<b>Incinerator overload or malfunction, fire confined</b>						
Number of Incidents	0	0	2	0	1	3
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>526</b>	<b>496</b>	<b>489</b>	<b>523</b>	<b>486</b>	<b>2,520</b>
<b>Total Dollar Loss</b>	<b>\$8,307,198</b>	<b>\$9,415,097</b>	<b>\$10,526,943</b>	<b>\$7,590,977</b>	<b>\$9,731,805</b>	<b>\$45,572,020</b>

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

Over the past five years, 2,990 fire incidents occurred in **Residential** properties, resulting in more than \$37 million in property and content loss, have been reported by fire service agencies in Region 2. **Residential** fires accounted for 40 percent of the five-year total and 73 percent of the dollar loss to property and contents.

<b>Fires by Property Use</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>5-Year Total</b>
<b>Residential</b>						
Number of Incidents	661	618	611	553	547	2,990
Dollar Loss	\$6,297,914	\$8,638,227	\$7,574,693	\$6,313,877	\$9,036,204	\$37,860,915
<b>Outside or Special Properties</b>						
Number of Incidents	688	595	599	774	758	3,414
Dollar Loss	\$496,240	\$312,193	\$1,321,997	\$500,206	\$1,199,152	\$3,829,788
<b>Assembly</b>						
Number of Incidents	40	30	24	35	38	167
Dollar Loss	\$1,636,525	\$458,513	\$358,002	\$226,860	\$40,455	\$2,720,355
<b>Mercantile and Business</b>						
Number of Incidents	62	58	40	73	74	307
Dollar Loss	\$443,510	\$365,271	\$545,565	\$599,897	\$607,521	\$2,561,764
<b>Storage</b>						
Number of Incidents	27	36	35	47	36	181
Dollar Loss	\$68,150	\$339,250	\$287,700	\$569,300	\$865,500	\$2,129,900
<b>Manufacturing and Processing</b>						
Number of Incidents	12	8	3	8	9	40
Dollar Loss	\$29,999	\$10,000	\$2,000,000	\$30,000	\$21,000	\$2,090,999
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	31	36	19	28	34	148
Dollar Loss	\$3,001	\$0	\$1,200	\$500	\$225,000	\$229,701
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	6	6	2	9	13	36
Dollar Loss	\$12,700	\$0	\$100	\$4,100	\$116,550	\$133,450
<b>Other Property Uses</b>						
Number of Incidents	6	9	8	10	13	46
Dollar Loss	\$12,000	\$0	\$0	\$59,843	\$10,000	\$81,843
<b>Educational Uses</b>						
Number of Incidents	9	10	7	7	7	40
Dollar Loss	\$7,020	\$10,550	\$0	\$5,300	\$42,000	\$64,870
<b>None</b>						
Number of Incidents	6	3	2	3	8	22
Dollar Loss	\$0	\$0	\$35,000	\$0	\$0	\$35,000
<b>Unknown</b>						
Number of Incidents	1	5	2	7	7	22
Dollar Loss	\$0	\$0	\$0	\$0	\$4,100	\$4,100
<b>Total Number of Incidents</b>	<b>1,549</b>	<b>1,414</b>	<b>1,352</b>	<b>1,554</b>	<b>1,544</b>	<b>7,413</b>
<b>Total Dollar Loss</b>	<b>\$9,007,059</b>	<b>\$10,134,004</b>	<b>\$12,124,257</b>	<b>\$8,309,883</b>	<b>\$12,167,482</b>	<b>\$51,742,685</b>

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

Over the past five years, 791 fire incidents in the **Functional Areas** of a building, resulting in more than \$13 million in property and content loss, have been reported by fire service agencies in Region 2. **Functional Areas** fires accounted for 11 percent of the five-year total and 27 percent of the dollar loss to property and contents.

Area of Origin by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Functional Areas</b>						
Number of Incidents	179	148	177	136	151	791
Dollar Loss	\$2,067,337	\$1,935,773	\$3,680,383	\$2,601,114	\$3,686,657	\$13,971,264
<b>Structural Areas</b>						
Number of Incidents	70	71	67	56	67	331
Dollar Loss	\$849,040	\$2,192,400	\$1,646,615	\$1,710,525	\$2,552,702	\$8,951,282
<b>Undetermined</b>						
Number of Incidents	190	172	126	182	189	859
Dollar Loss	\$2,286,450	\$1,226,000	\$1,578,900	\$936,875	\$2,088,450	\$8,116,675
<b>Outside Areas</b>						
Number of Incidents	455	423	376	376	363	1,993
Dollar Loss	\$312,860	\$1,398,095	\$979,163	\$618,300	\$647,897	\$3,956,315
<b>Storage Areas</b>						
Number of Incidents	48	56	40	65	66	275
Dollar Loss	\$1,204,000	\$582,592	\$638,200	\$706,434	\$714,397	\$3,845,623
<b>Vehicle Areas</b>						
Number of Incidents	151	142	161	161	174	789
Dollar Loss	\$448,200	\$582,970	\$641,339	\$651,769	\$1,101,188	\$3,425,466
<b>Service or Equipment Areas</b>						
Number of Incidents	30	36	27	25	32	150
Dollar Loss	\$36,399	\$425,500	\$2,002,000	\$28,316	\$497,276	\$2,989,491
<b>Areas of Groups of People (Assembly)</b>						
Number of Incidents	30	14	22	23	12	101
Dollar Loss	\$1,130,800	\$720,800	\$270,000	\$272,945	\$248,000	\$2,642,545
<b>Means of Egress/Exit Access/Exit Areas</b>						
Number of Incidents	19	24	13	20	12	88
Dollar Loss	\$497,300	\$888,632	\$372,867	\$162,702	\$362,725	\$2,284,226
<b>Other Areas of Origin</b>						
Number of Incidents	64	65	68	75	81	353
Dollar Loss	\$131,700	\$173,500	\$277,100	\$578,022	\$77,415	\$1,237,737
<b>(Blank)</b>						
Number of Incidents	312	260	274	435	395	1,676
Dollar Loss	\$42,973	\$7,242	\$37,690	\$42,881	\$189,775	\$320,561
<b>Tehcnical Processing Areas</b>						
Number of Incidents	1	3	1	0	2	7
Dollar Loss	\$0	\$500	\$0	\$0	\$1,000	\$1,500
<b>Total Number of Incidents</b>	<b>1,549</b>	<b>1,414</b>	<b>1,352</b>	<b>1,554</b>	<b>1,544</b>	<b>7,413</b>
<b>Total Dollar Loss</b>	<b>\$9,007,059</b>	<b>\$10,134,004</b>	<b>\$12,124,257</b>	<b>\$8,309,883</b>	<b>\$12,167,482</b>	<b>\$51,742,685</b>

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

Over the past five years, 2,712 fire incidents with a heat source of **Undetermined**, resulting in more than \$26 million in property and content loss, have been reported by fire service agencies in Region 2. Fires with an **Undetermined** heat source accounted for 37 percent of the five-year total and 51 percent of the dollar loss to property and contents.

Heat Source by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	566	486	503	586	571	2,712
Dollar Loss	\$5,503,354	\$5,543,599	\$4,918,010	\$4,775,876	\$5,711,045	\$26,451,884
<b>Operating Equipment</b>						
Number of Incidents	226	201	201	164	189	981
Dollar Loss	\$2,082,799	\$3,049,331	\$4,976,770	\$1,996,665	\$3,234,892	\$15,340,457
<b>Open Flame or Smoking Material</b>						
Number of Incidents	159	171	115	127	124	696
Dollar Loss	\$143,250	\$182,700	\$1,114,601	\$1,110,411	\$806,597	\$3,357,559
<b>Hot or Smoldering Object</b>						
Number of Incidents	136	151	126	120	129	662
Dollar Loss	\$923,410	\$355,580	\$85,700	\$149,522	\$768,800	\$2,283,012
<b>Heat Spread from Another Fire</b>						
Number of Incidents	44	34	41	30	38	187
Dollar Loss	\$78,290	\$537,500	\$382,886	\$187,828	\$1,045,478	\$2,231,982
<b>Heat Source Other</b>						
Number of Incidents	63	71	63	61	63	321
Dollar Loss	\$59,500	\$207,050	\$21,600	\$39,700	\$403,600	\$731,450
<b>Multiple Heat Sources</b>						
Number of Incidents	2	2	4	2	4	14
Dollar Loss	\$0	\$0	\$550,000	\$0	\$0	\$550,000
<b>(Blank)</b>						
Number of Incidents	312	260	274	435	395	1,676
Dollar Loss	\$42,973	\$7,242	\$37,690	\$42,881	\$189,775	\$320,561
<b>Chemical or Natural</b>						
Number of Incidents	8	17	6	5	8	44
Dollar Loss	\$27,000	\$251,000	\$20,000	\$7,000	\$550	\$305,550
<b>Explosives and Fireworks</b>						
Number of Incidents	33	21	19	24	23	120
Dollar Loss	\$146,483	\$2	\$17,000	\$0	\$6,745	\$170,230
<b>Total Number of Incidents</b>	<b>1,549</b>	<b>1,414</b>	<b>1,352</b>	<b>1,554</b>	<b>1,544</b>	<b>7,413</b>
<b>Total Dollar Loss</b>	<b>\$9,007,059</b>	<b>\$10,134,004</b>	<b>\$12,124,257</b>	<b>\$8,309,883</b>	<b>\$12,167,482</b>	<b>\$51,742,685</b>

Sources listed as **(Blank)** are incidents where a fire or wildland module was not required to be completed.

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

Over the past five years, 2,671 fire incidents with an **Unknown** cause of ignition, resulting in more than \$13 million in property and content loss, have been reported by fire service agencies in Region 2. **Unknown** ignition caused fires accounted for 36 percent of the five-year total and 27 percent of the dollar loss to property and contents.

For definitions of each of the following categories, see the descriptions [listed earlier in this report](#).

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Unknown</b>						
Number of Incidents	516	421	432	676	626	2,671
Dollar Loss	\$2,684,073	\$2,097,342	\$4,294,698	\$1,932,305	\$2,832,367	\$13,840,785
<b>Investigation with Arson Mod.</b>						
Number of Incidents	21	18	16	24	18	97
Dollar Loss	\$1,165,300	\$1,869,746	\$366,360	\$1,911,706	\$756,375	\$6,069,487
<b>Other Unintentional, Careless</b>						
Number of Incidents	227	181	168	156	177	909
Dollar Loss	\$746,854	\$845,112	\$348,700	\$876,137	\$2,540,473	\$5,357,276
<b>Equipment Misoperation, Failure</b>						
Number of Incidents	83	73	70	59	67	352
Dollar Loss	\$78,299	\$979,150	\$3,023,537	\$108,800	\$464,900	\$4,654,686
<b>Electrical Malfunction</b>						
Number of Incidents	65	75	65	61	72	338
Dollar Loss	\$923,700	\$865,851	\$220,750	\$364,550	\$2,044,322	\$4,419,173
<b>Intentional</b>						
Number of Incidents	205	165	184	195	206	955
Dollar Loss	\$1,704,533	\$96,500	\$1,139,100	\$406,501	\$272,455	\$3,619,089
<b>Heating</b>						
Number of Incidents	92	94	88	85	65	424
Dollar Loss	\$456,150	\$682,000	\$404,067	\$1,074,700	\$534,750	\$3,151,667
<b>Cooking</b>						
Number of Incidents	100	103	105	73	70	451
Dollar Loss	\$282,110	\$1,096,280	\$262,575	\$169,104	\$737,670	\$2,547,739
<b>Appliances</b>						
Number of Incidents	21	12	34	17	30	114
Dollar Loss	\$238,000	\$136,650	\$1,242,300	\$251,000	\$434,470	\$2,302,420
<b>Exposure</b>						
Number of Incidents	7	17	15	6	11	56
Dollar Loss	\$8,540	\$916,793	\$86,367	\$20,000	\$594,600	\$1,626,300
<b>Smoking</b>						
Number of Incidents	24	35	19	19	23	120
Dollar Loss	\$58,300	\$159,500	\$3,000	\$658,010	\$519,200	\$1,398,010

### Region 2 Fire Incidents by Cause of Ignition (continued)

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Open Flame</b>						
Number of Incidents	83	96	51	61	55	346
Dollar Loss	\$487,250	\$114,430	\$502,951	\$108,623	\$107,300	\$1,320,554
<b>Other heat</b>						
Number of Incidents	68	88	74	80	81	391
Dollar Loss	\$127,450	\$77,650	\$86,000	\$154,722	\$178,050	\$623,872
<b>Other Equipment</b>						
Number of Incidents	9	6	8	12	12	47
Dollar Loss	\$17,500	\$6,000	\$17,100	\$169,825	\$139,500	\$349,925
<b>Natural</b>						
Number of Incidents	24	27	18	19	27	115
Dollar Loss	\$29,000	\$191,000	\$81,752	\$7,000	\$550	\$309,302
<b>Playing with Heat Source</b>						
Number of Incidents	4	3	5	11	4	27
Dollar Loss	\$0	\$0	\$45,000	\$96,900	\$10,500	\$152,400
<b>Total Number of Incidents</b>	<b>1,549</b>	<b>1,414</b>	<b>1,352</b>	<b>1,554</b>	<b>1,544</b>	<b>7,413</b>
<b>Total Dollar Loss</b>	<b>\$9,007,059</b>	<b>\$10,134,004</b>	<b>\$12,124,257</b>	<b>\$8,309,883</b>	<b>\$12,167,482</b>	<b>\$51,742,685</b>

## Region 2 Incidents by Reporting Agency

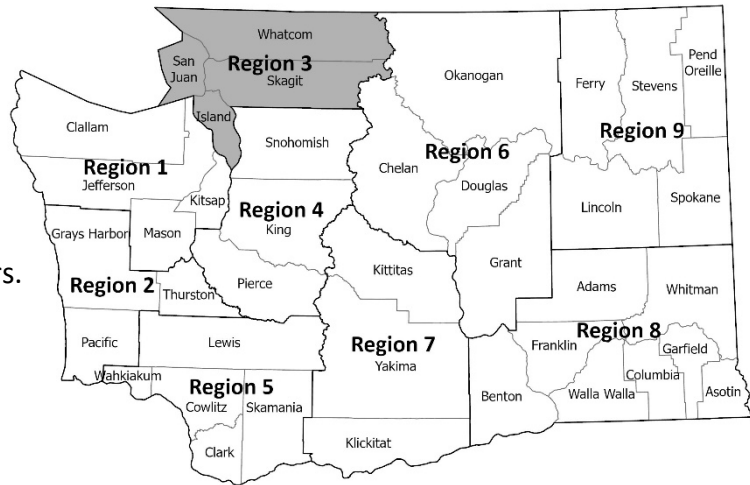
The following represents a breakdown of activity and property and contents loss as reported by individual agencies within Region 2.

REGION 2 2022 REPORTING SUMMARY							
% of Region Reporting = 68%		# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
Grays Harbor	% of County Reporting = 68%	18,227	2	1,420	0	19,649	\$ 4,061,734
14D01	Grays Harbor #1, Oakville	373	0	32	0	405	\$ 6,500
14D02	Grays Harbor #2, Brady/Central Park	1,098	0	76	0	1,174	\$ -
14D04	Grays Harbor #4, Quinault/Amanda Park	0	0	0	0	0	\$ -
14D05	Grays Harbor #5, East Grays Harbor Fire and Rescue	1,945	0	228	0	2,173	\$ 637,978
14D06	Grays Harbor #6, N. Hoquiam	0	0	0	0	0	\$ -
14D07	Grays Harbor #7, Copalis Beach/Ocean City	454	0	211	0	665	\$ -
14D08	Grays Harbor #8, Pacific Beach	2	0	0	0	2	\$ -
14D10	Grays Harbor #10, Wishkah/E. Hoquiam	0	0	0	0	0	\$ -
14D12	Grays Harbor #12	0	0	0	0	0	\$ -
14D15	Grays Harbor #15, Arctic	0	0	0	0	0	\$ -
14D17	Grays Harbor #17, Humptulips/Axford	0	0	0	0	0	\$ -
14M01	Aberdeen Fire Dept	6,120	2	104	0	6,226	\$ 459,439
14M02	Cosmopolis Fire Dept	1	0	0	0	1	\$ -
14M04	Hoquiam Fire Dept	2,715	0	520	0	3,235	\$ 1,505,537
14M05	McCleary Fire Dept	110	0	0	0	110	\$ 376,000
14M06	Montesano Fire Dept	1,051	0	23	0	1,074	\$ 25,780
14M08	Ocean Shores Fire Dept	2,550	0	226	0	2,776	\$ 4,500
14M09	South Beach Regional Fire Authority	1,807	0	0	0	1,807	\$ 1,046,000
14X01	Quinault Indian Nation Fire Dept	1	0	0	0	1	\$ -
Pacific	% of County Reporting = 40%	3,599	0	94	1		\$ 1,552,650
25D01	Pacific #1	3,015	0	6	0	3,021	\$ 1,114,650
25D02	Pacific #2, Chinook	0	0	0	0	0	\$ -
25D03	Pacific #3	33	0	0	0	33	\$ 188,000
25D04	Pacific #4, Naselle	0	0	0	0	0	\$ -
25D06	Pacific #6, Bay Center	0	0	0	0	0	\$ -
25D07	Pacific #7, Nemah	0	0	0	0	0	\$ -
25M01	Ilwaco Fire Dept	30	0	88	1	119	\$ 250,000
25M02	Long Beach Fire Dept	0	0	0	0	0	\$ -
25M03	Raymond Fire Dept	521	0	0	0	521	\$ -
25M04	South Bend Fire Dept	0	0	0	0	0	\$ -
Thurston	% of County Reporting = 92%	49,447	0	3,831	0		\$ 6,708,560
34D01	West Thurston Regional Fire Authority	3,267	0	124	0	3,391	\$ 1,550
34D02	Southeast Thurston Fire Authority	3,387	0	52	0	3,439	\$ 1,001,900
34D03	Thurston #3, Lacey Fire District 3	15,711	0	1,072	0	16,783	\$ 1,703,827
34D06	Thurston #6, E. Olympia	1,196	0	410	0	1,606	\$ 63,000
34D08	Thurston #8, South Bay Fire Dept	1,099	0	203	0	1,302	\$ 12,300
34D09	Thurston #9, McLane Black Lake Fire Dept	1,868	0	514	0	2,382	\$ 77,000
34D12	Thurston #12, S. Thurston Fire & EMS	1,086	0	929	0	2,015	\$ 648,100
34D13	Thurston #13, Griffin	554	0	100	0	654	\$ -
34D17	Thurston #17, Bald Hills	655	0	25	0	680	\$ 2,700
34M01	Bucoda Volunteer Fire Dept	0	0	0	0	0	\$ -
34M02	Olympia Fire Dept	14,810	0	194	0	15,004	\$ 2,006,983
34M04	Tumwater Fire Department	5,814	0	208	0	6,022	\$ 1,191,200
Grand Total		71,273	2	5,345	1	76,621	\$ 12,322,944

Numbers for incidents, exposures, aid given, and No Activity Reports are all based on valid incident data only; invalid incidents or incidents that failed to properly import into the system are not included. # of Incidents is based on primary reports coded as Aid 1, 2, 5, or N.

### Region 3

Region 3 is comprised of Island, San Juan, Skagit, and Whatcom counties. In 2022, 89 percent 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	2018	2019	2020	2021	2022	5-Year Total
<b>Fire</b>						
Number of Incidents	1,442	1,610	1,484	1,870	1,732	8,138
Dollar Loss	\$13,279,004	\$16,661,629	\$9,650,531	\$26,770,785	\$18,365,272	\$84,727,221
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
Number of Incidents	33	32	37	41	34	177
Dollar Loss	\$0	\$20	\$750	\$5,500	\$0	\$6,270
<b>Rescue and Emergency Medical Service</b>						
Number of Incidents	37,623	47,937	46,724	51,914	51,816	236,014
Dollar Loss	\$25,300	\$0	\$76,500	\$756	\$190,411	\$292,967
<b>Hazardous Conditions (No Fire)</b>						
Number of Incidents	1,253	1,209	1,515	1,734	1,285	6,996
Dollar Loss	\$650	\$1,050	\$5,800	\$8,021	\$350	\$15,871
<b>Service Calls</b>						
Number of Incidents	3,781	3,468	3,529	4,538	3,803	19,119
Dollar Loss	\$48,000	\$145,000	\$0	\$117,000	\$2,500	\$312,500
<b>Good Intent Calls</b>						
Number of Incidents	3,556	5,990	5,924	7,053	6,628	29,151
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>False Alarms &amp; False Calls</b>						
Number of Incidents	2,569	3,037	3,152	3,258	3,250	15,266
Dollar Loss	\$3,000	\$1,000	\$11,000	\$0	\$5,000	\$20,000
<b>Severe Weather &amp; Natural Disaster</b>						
Number of Incidents	161	55	123	282	115	736
Dollar Loss	\$0	\$0	\$30,000	\$0	\$0	\$30,000
<b>Other Types of Incidents</b>						
Number of Incidents	372	412	383	389	325	1,881
Dollar Loss	\$1,500	\$185,000	\$0	\$0	\$0	\$186,500
<b>Undetermined</b>						
Number of Incidents	1	8	3	0	0	12
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>50,791</b>	<b>63,758</b>	<b>62,874</b>	<b>71,079</b>	<b>68,988</b>	<b>317,490</b>
<b>Total Dollar Loss</b>	<b>\$13,357,454</b>	<b>\$16,993,699</b>	<b>\$9,774,581</b>	<b>\$26,902,062</b>	<b>\$18,563,533</b>	<b>\$85,591,329</b>

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

Over the past five years, 8,138 fire incidents, resulting in nearly \$85 million in property and content loss, have been reported by fire service agencies in Region 3. **Structure Fires (including Confined Fires)** accounted for nearly 31 percent of the five-year total and 86 percent of the dollar loss to property and contents.

Fire Incident Type Categories	2018	2019	2020	2021	2022	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	461	516	486	541	507	2,511
Dollar Loss	\$12,594,162	\$14,766,882	\$7,005,337	\$23,551,939	\$15,311,220	\$73,229,540
<b>Vehicle Fires</b>						
Number of Incidents	207	206	189	202	232	1,036
Dollar Loss	\$549,470	\$677,651	\$2,359,191	\$1,373,582	\$2,200,039	\$7,159,933
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	16	34	29	28	39	146
Dollar Loss	\$95,650	\$222,202	\$181,021	\$391,202	\$742,413	\$1,632,488
<b>Natural Vegetation Fires</b>						
Number of Incidents	395	436	311	558	367	2,067
Dollar Loss	\$3,550	\$917,770	\$5,906	\$32,967	\$31,352	\$991,545
<b>Fire, Other</b>						
Number of Incidents	83	81	68	91	122	445
Dollar Loss	\$16,110	\$49,020	\$60,201	\$615,800	\$54,020	\$795,151
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	45	49	51	48	52	245
Dollar Loss	\$0	\$21,602	\$33,725	\$539,850	\$19,351	\$614,528
<b>Outside Rubbish Fires</b>						
Number of Incidents	230	284	342	402	409	1,667
Dollar Loss	\$20,062	\$6,502	\$3,150	\$265,445	\$5,827	\$300,986
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	5	4	8	0	4	21
Dollar Loss	\$0	\$0	\$2,000	\$0	\$1,050	\$3,050
<b>Total Number of Incidents</b>	<b>1,442</b>	<b>1,610</b>	<b>1,484</b>	<b>1,870</b>	<b>1,732</b>	<b>8,138</b>
<b>Total Dollar Loss</b>	<b>\$13,279,004</b>	<b>\$16,661,629</b>	<b>\$9,650,531</b>	<b>\$26,770,785</b>	<b>\$18,365,272</b>	<b>\$84,727,221</b>

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

Over the past five years, 2,511 structure fire incidents, resulting in more than \$73 million in property and content loss, have been reported by fire service agencies in Region 3. **Building Fires** accounted for 51 percent of the five-year total and 98 percent of the dollar loss to property and contents.

Structure Fires (Including confined fires)	2018	2019	2020	2021	2022	5-Year Total
<b>Building fires</b>						
Number of Incidents	217	276	243	266	271	1,273
Dollar Loss	\$12,555,044	\$14,677,167	\$6,703,709	\$23,426,584	\$14,659,700	\$72,022,204
<b>Fires in structures other than in a building</b>						
Number of Incidents	12	12	11	17	18	70
Dollar Loss	\$3,650	\$43,400	\$258,453	\$23,702	\$589,790	\$918,995
<b>Cooking fire, confined to container</b>						
Number of Incidents	118	100	112	123	91	544
Dollar Loss	\$26,918	\$41,363	\$21,124	\$35,143	\$34,980	\$159,528
<b>Fuel burner/boiler malfunction, fire confined</b>						
Number of Incidents	4	6	5	5	3	23
Dollar Loss	\$800	\$0	\$0	\$45,125	\$15,100	\$61,025
<b>Chimney or flue fire, confined to chimney or flue</b>						
Number of Incidents	62	62	51	64	48	287
Dollar Loss	\$1,200	\$2,502	\$5,000	\$10,900	\$10,000	\$29,602
<b>Trash or rubbish fire, contained</b>						
Number of Incidents	46	58	59	64	76	303
Dollar Loss	\$1,550	\$2,450	\$12,051	\$10,485	\$1,650	\$28,186
<b>Commercial Compactor fire, confined to rubbish</b>						
Number of Incidents	2	1	3	2	0	8
Dollar Loss	\$5,000	\$0	\$5,000	\$0	\$0	\$10,000
<b>Incinerator overload or malfunction, fire confined</b>						
Number of Incidents	0	1	2	0	0	3
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>461</b>	<b>516</b>	<b>486</b>	<b>541</b>	<b>507</b>	<b>2,511</b>
<b>Total Dollar Loss</b>	<b>\$12,594,162</b>	<b>\$14,766,882</b>	<b>\$7,005,337</b>	<b>\$23,551,939</b>	<b>\$15,311,220</b>	<b>\$73,229,540</b>

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

Over the past five years, 3,775 fire incidents occurred in **Residential** properties, resulting in more than \$55 million in property and content loss, have been reported by fire service agencies in Region 3. **Residential** fires accounted for 46 percent of the five-year total and 65 percent of the dollar loss to property and contents.

Fires by Property Use	2018	2019	2020	2021	2022	5-Year Total
<b>Residential</b>						
Number of Incidents	708	823	744	797	703	3,775
Dollar Loss	\$4,114,734	\$13,383,263	\$5,214,211	\$20,423,148	\$12,224,435	\$55,359,791
<b>Manufacturing and Processing</b>						
Number of Incidents	8	15	13	19	8	63
Dollar Loss	\$6,509,000	\$952,000	\$13,550	\$2,574,102	\$37,550	\$10,086,202
<b>Storage</b>						
Number of Incidents	31	43	36	51	48	209
Dollar Loss	\$396,101	\$347,802	\$832,960	\$1,363,175	\$2,447,150	\$5,387,188
<b>Mercantile and Business</b>						
Number of Incidents	40	65	53	70	88	316
Dollar Loss	\$1,258,750	\$1,391,500	\$135,765	\$322,206	\$1,928,735	\$5,036,956
<b>Outside or Special Properties</b>						
Number of Incidents	543	558	525	761	757	3,144
Dollar Loss	\$494,756	\$436,560	\$2,090,193	\$638,573	\$1,359,831	\$5,019,913
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	39	38	32	66	57	232
Dollar Loss	\$175,001	\$30,054	\$917,200	\$1,061,853	\$177,000	\$2,361,108
<b>Assembly</b>						
Number of Incidents	33	28	48	54	33	196
Dollar Loss	\$289,510	\$114,050	\$407,602	\$365,918	\$120,550	\$1,297,630
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	7	7	6	8	9	37
Dollar Loss	\$1,500	\$0	\$1,000	\$2,110	\$45,000	\$49,610
<b>Educational Uses</b>						
Number of Incidents	9	10	8	7	14	48
Dollar Loss	\$3,002	\$2,200	\$25,500	\$10,000	\$4,521	\$45,223
<b>None</b>						
Number of Incidents	9	4	4	13	6	36
Dollar Loss	\$16,650	\$0	\$10,150	\$4,700	\$5,000	\$36,500
<b>Other Property Uses</b>						
Number of Incidents	11	15	11	16	3	56
Dollar Loss	\$20,000	\$4,200	\$2,400	\$5,000	\$0	\$31,600
<b>Unknown</b>						
Number of Incidents	4	4	4	8	5	25
Dollar Loss	\$0	\$0	\$0	\$0	\$15,500	\$15,500
<b>(blank)</b>						
Number of Incidents	0	0	0	0	1	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>1,442</b>	<b>1,610</b>	<b>1,484</b>	<b>1,870</b>	<b>1,732</b>	<b>8,138</b>
<b>Total Dollar Loss</b>	<b>\$13,279,004</b>	<b>\$16,661,629</b>	<b>\$9,650,531</b>	<b>\$26,770,785</b>	<b>\$18,365,272</b>	<b>\$84,727,221</b>

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

Over the past five years, 632 fire incidents occurred in **Functional Area** properties, resulting in more than \$13 million in property and content loss, have been reported by fire service agencies in Region 3. **Functional Areas** fires accounted for 7 percent of the five-year total and 16 percent of the dollar loss to property and contents.

Area of Origin by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Functional Areas</b>						
Number of Incidents	130	131	125	115	131	632
Dollar Loss	\$1,618,554	\$2,609,353	\$2,936,052	\$2,250,029	\$3,746,049	\$13,160,037
<b>Undetermined</b>						
Number of Incidents	120	165	148	207	216	856
Dollar Loss	\$1,933,271	\$1,780,219	\$2,301,950	\$1,710,598	\$5,005,990	\$12,732,028
<b>Other Areas of Origin</b>						
Number of Incidents	50	54	34	49	31	218
Dollar Loss	\$13,600	\$1,097,620	\$46,725	\$10,873,691	\$191,000	\$12,222,636
<b>Structural Areas</b>						
Number of Incidents	57	62	59	57	60	295
Dollar Loss	\$345,900	\$4,092,881	\$545,250	\$3,291,400	\$2,394,311	\$10,669,742
<b>Storage Areas</b>						
Number of Incidents	27	57	39	60	48	231
Dollar Loss	\$598,400	\$885,014	\$1,169,160	\$3,525,674	\$2,265,449	\$8,443,697
<b>Means of Egress/Exit Access/Exit Areas</b>						
Number of Incidents	12	10	15	15	13	65
Dollar Loss	\$6,531,500	\$81,500	\$183,757	\$2,555	\$617,500	\$7,416,812
<b>Vehicle Areas</b>						
Number of Incidents	171	165	153	165	183	837
Dollar Loss	\$350,610	\$799,848	\$1,380,040	\$1,700,083	\$1,808,929	\$6,039,510
<b>Areas of Groups of People (Assembly)</b>						
Number of Incidents	21	35	18	20	25	119
Dollar Loss	\$237,820	\$3,272,603	\$151,600	\$490,724	\$1,038,391	\$5,191,138
<b>Service or Equipment Areas</b>						
Number of Incidents	23	31	22	29	15	120
Dollar Loss	\$1,253,000	\$1,455,252	\$289,500	\$374,751	\$84,501	\$3,457,004
<b>Outside Areas</b>						
Number of Incidents	309	357	196	304	223	1,389
Dollar Loss	\$182,398	\$535,447	\$577,801	\$461,491	\$1,070,270	\$2,827,407
<b>Tehcnical Processing Areas</b>						
Number of Incidents	2	1	5	5	2	15
Dollar Loss	\$175,000	\$0	\$28,000	\$1,970,000	\$45,050	\$2,218,050
<b>(Blank)</b>						
Number of Incidents	520	542	670	844	785	3,361
Dollar Loss	\$38,951	\$51,892	\$40,696	\$119,789	\$97,832	\$349,160
<b>Total Number of Incidents</b>	<b>1,442</b>	<b>1,610</b>	<b>1,484</b>	<b>1,870</b>	<b>1,732</b>	<b>8,138</b>
<b>Total Dollar Loss</b>	<b>\$13,279,004</b>	<b>\$16,661,629</b>	<b>\$9,650,531</b>	<b>\$26,770,785</b>	<b>\$18,365,272</b>	<b>\$84,727,221</b>

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

Over the past five years, 2,173 fire incidents with a heat source of **Undetermined**, resulting in more than \$35 million in property and content loss, have been reported by fire service agencies in Region 3. Fires with an **Undetermined** heat source accounted for 27 percent of the five-year total and 42 percent of the dollar loss to property and contents.

Heat Source by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	390	440	360	494	489	2,173
Dollar Loss	\$3,660,995	\$7,810,679	\$5,726,009	\$7,677,033	\$10,488,891	\$35,363,607
<b>Operating Equipment</b>						
Number of Incidents	179	229	182	198	188	976
Dollar Loss	\$2,101,620	\$4,618,835	\$1,816,623	\$14,117,293	\$4,657,268	\$27,311,639
<b>Open Flame or Smoking Material</b>						
Number of Incidents	83	134	83	101	74	475
Dollar Loss	\$7,017,323	\$1,705,105	\$322,560	\$1,658,400	\$149,400	\$10,852,788
<b>Hot or Smoldering Object</b>						
Number of Incidents	111	100	69	100	86	466
Dollar Loss	\$233,951	\$384,768	\$287,301	\$1,268,485	\$1,248,748	\$3,423,253
<b>Heat Source Other</b>						
Number of Incidents	76	77	67	50	43	313
Dollar Loss	\$64,204	\$1,291,900	\$254,342	\$867,300	\$752,000	\$3,229,746
<b>Heat Spread from Another Fire</b>						
Number of Incidents	33	48	25	26	35	167
Dollar Loss	\$30,950	\$743,600	\$403,000	\$899,000	\$835,783	\$2,912,333
<b>Chemical or Natural</b>						
Number of Incidents	14	22	14	18	9	77
Dollar Loss	\$131,010	\$48,850	\$464,500	\$50,950	\$118,100	\$813,410
<b>Explosives and Fireworks</b>						
Number of Incidents	33	16	13	38	23	123
Dollar Loss	\$0	\$0	\$335,500	\$112,535	\$17,250	\$465,285
<b>(Blank)</b>						
Number of Incidents	520	542	670	844	785	3,361
Dollar Loss	\$38,951	\$51,892	\$40,696	\$119,789	\$97,832	\$349,160
<b>Multiple Heat Sources</b>						
Number of Incidents	3	2	1	1	0	7
Dollar Loss	\$0	\$6,000	\$0	\$0	\$0	\$6,000
<b>Total Number of Incidents</b>	<b>1,442</b>	<b>1,610</b>	<b>1,484</b>	<b>1,870</b>	<b>1,732</b>	<b>8,138</b>
<b>Total Dollar Loss</b>	<b>\$13,279,004</b>	<b>\$16,661,629</b>	<b>\$9,650,531</b>	<b>\$26,770,785</b>	<b>\$18,365,272</b>	<b>\$84,727,221</b>

Sources listed as **(blank)** are incidents where a fire or wildland module was not required to be completed.

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

Over the past five years, 3,676 fire incidents with an **Unknown** cause of ignition, resulting in more than \$25 million in property and content loss, have been reported by fire service agencies in Region 3. **Unknown** ignition caused fires accounted for 45 percent of the five-year total and 31 percent of the dollar loss to property and contents.

For definitions of each of the following categories, see the descriptions [listed earlier in this report](#).

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Unknown</b>						
Number of Incidents	570	619	696	916	875	3,676
Dollar Loss	\$2,521,087	\$6,979,875	\$3,837,581	\$6,722,025	\$5,922,323	\$25,982,891
<b>Other Unintentional, Careless</b>						
Number of Incidents	163	193	150	208	197	911
Dollar Loss	\$365,120	\$1,403,230	\$1,426,716	\$10,988,205	\$3,468,047	\$17,651,318
<b>Intentional</b>						
Number of Incidents	134	180	151	166	150	781
Dollar Loss	\$6,559,073	\$109,700	\$345,300	\$124,076	\$1,019,090	\$8,157,239
<b>Electrical Malfunction</b>						
Number of Incidents	61	79	46	59	68	313
Dollar Loss	\$1,159,720	\$2,418,562	\$652,702	\$763,917	\$1,171,150	\$6,166,051
<b>Equipment Misoperation, Failure</b>						
Number of Incidents	84	83	62	64	77	370
Dollar Loss	\$348,400	\$564,803	\$510,401	\$2,392,150	\$1,614,533	\$5,430,287
<b>Investigation with Arson Mod.</b>						
Number of Incidents	14	13	11	6	15	59
Dollar Loss	\$783,725	\$1,357,600	\$211,702	\$492,174	\$933,850	\$3,779,051
<b>Other heat</b>						
Number of Incidents	71	63	47	80	64	325
Dollar Loss	\$360,200	\$462,652	\$487,950	\$1,521,868	\$641,200	\$3,473,870
<b>Heating</b>						
Number of Incidents	82	86	83	86	65	402
Dollar Loss	\$520,900	\$397,642	\$307,050	\$1,606,867	\$493,100	\$3,325,559
<b>Open Flame</b>						
Number of Incidents	48	54	38	57	46	243
Dollar Loss	\$237,651	\$1,244,804	\$224,325	\$252,350	\$937,429	\$2,896,559
<b>Appliances</b>						
Number of Incidents	18	27	23	20	13	101
Dollar Loss	\$45,600	\$675,003	\$160,450	\$446,700	\$536,100	\$1,863,853
<b>Exposure</b>						
Number of Incidents	5	6	2	4	11	28
Dollar Loss	\$600	\$5,000	\$0	\$486,000	\$1,194,820	\$1,686,420

### Region 3 Fire Incidents by Cause of Ignition (continued)

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Natural</b>						
Number of Incidents	32	46	19	40	22	159
Dollar Loss	\$156,010	\$98,895	\$734,500	\$150,950	\$133,600	\$1,273,955
<b>Other Equipment</b>						
Number of Incidents	3	13	6	9	7	38
Dollar Loss	\$30,000	\$503,500	\$17,020	\$534,160	\$147,450	\$1,232,130
<b>Cooking</b>						
Number of Incidents	130	110	130	134	99	603
Dollar Loss	\$151,268	\$126,363	\$492,624	\$207,243	\$98,580	\$1,076,078
<b>Smoking</b>						
Number of Incidents	20	28	15	16	18	97
Dollar Loss	\$12,750	\$287,000	\$17,210	\$79,100	\$51,500	\$447,560
<b>Playing with Heat Source</b>						
Number of Incidents	7	10	5	5	5	32
Dollar Loss	\$26,900	\$27,000	\$225,000	\$3,000	\$2,500	\$284,400
<b>Total Number of Incidents</b>	<b>1,442</b>	<b>1,610</b>	<b>1,484</b>	<b>1,870</b>	<b>1,732</b>	<b>8,138</b>
<b>Total Dollar Loss</b>	<b>\$13,279,004</b>	<b>\$16,661,629</b>	<b>\$9,650,531</b>	<b>\$26,770,785</b>	<b>\$18,365,272</b>	<b>\$84,727,221</b>

### Region 3 Incidents by Reporting Agency

The following represents a breakdown of activity and property and contents loss as reported by individual agencies within Region 3.

REGION 3 2022 REPORTING SUMMARY							
	% of Region Reporting = 89%	# of Incidents	Exposures	Auto or Mutual	No Activity	Total Reports	Reported Property and
<b>Island</b>	<b>% of County Reporting = 100%</b>	<b>8,536</b>	<b>0</b>	<b>178</b>	<b>0</b>	<b>8,714</b>	<b>\$ 1,941,620</b>
15D01	Island #1, Camano Island	2,399	0	59	0	2,458	\$ 430,350
15D02	Island #2, N. Whidbey Fire & Rescue	394	0	26	0	420	\$ 3,700
15D03	Island #3, S. Whidbey Fire/EMS	2,629	0	27	0	2,656	\$ 486,800
15D05	Island #5, Central Whidbey Island Fire & Rescue	1,622	0	54	0	1,676	\$ 668,170
15M04	Oak Harbor Fire Dept	1,492	0	12	0	1,504	\$ 352,600
<b>San Juan</b>	<b>% of County Reporting = 75%</b>	<b>2,761</b>	<b>22</b>	<b>7</b>	<b>0</b>	<b>2,790</b>	<b>\$ 1,994,530</b>
28D02	San Juan #2, Orcas Island Fire & Rescue	1,164	0	1	0	1,165	\$ -
28D03	San Juan #3, San Juan Island	1,048	22	4	0	1,074	\$ 1,853,410
28D04	San Juan #4, Lopez Island	549	0	2	0	551	\$ 141,120
28D05	San Juan #5, Shaw Island	0	0	0	0	0	\$ -
<b>Skagit</b>	<b>% of County Reporting = 88%</b>	<b>22,655</b>	<b>0</b>	<b>2,648</b>	<b>10</b>	<b>25,313</b>	<b>\$ 2,181,358</b>
29D02	Skagit #2, McLean Rd	394	0	98	0	492	\$ -
29D03	Skagit #3	480	0	90	0	570	\$ -
29D04	Skagit #4, Clear Lake	320	0	21	0	341	\$ -
29D05	Skagit #5, Bow	310	0	3	0	313	\$ 24,500
29D06	Skagit #6, Burlington	157	0	1	0	158	\$ 2,100
29D07	Skagit #7, Lake Cavanaugh	31	0	8	1	40	\$ -
29D08	Skagit #8, Sedro-Woolley	518	0	55	0	573	\$ 940,700
29D09	Skagit #9, Big Lake	232	0	113	0	345	\$ -
29D10	Skagit #10	231	0	17	0	248	\$ 395,500
29D11	Skagit #11, Mt. Erie	418	0	122	0	540	\$ 5,000
29D12	Skagit #12, Bay View	110	0	1	0	111	\$ -
29D13	Skagit #13	1,395	0	18	0	1,413	\$ -
29D14	Skagit #14, Alger	112	0	0	0	112	\$ 84,000
29D15	Skagit #15, Lake McMurray	0	0	0	0	0	\$ -
29D16	Skagit #16, Day Creek	69	0	4	5	78	\$ -
29D17	Skagit #17, Guemes Island	113	0	6	0	119	\$ -
29D19	Skagit #19, Rockport/Marblemount	3	0	3	3	9	\$ -
29M01	Anacortes Fire Dept	3,520	0	670	0	4,190	\$ 372,050
29M02	Burlington Fire Dept	4,236	0	138	0	4,374	\$ 117,250
29M03	Concrete Fire Dept	29	0	0	1	30	\$ -
29M04	Hamilton Fire Dept	0	0	0	0	0	\$ -
29M05	La Conner Fire Dept	0	0	0	0	0	\$ -
29M07	Mount Vernon Fire Dept	6,385	0	1,237	0	7,622	\$ 219,258
29M09	Sedro-Woolley Fire Dept	3,592	0	43	0	3,635	\$ 21,000

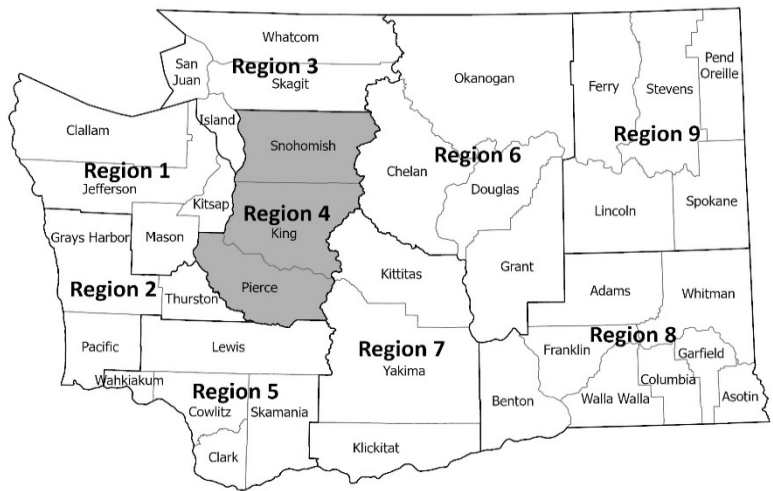
## REGION 3 2022 REPORTING SUMMARY (Continued)

% of Region Reporting = 89%		# of Incidents	Exposures	Auto or Mutual	No Activity	Total Reports	Reported Property and
<b>Whatcom</b>	<b>% of County Reporting = 92%</b>	<b>35,036</b>	<b>2</b>	<b>5,554</b>	<b>0</b>	<b>40,592</b>	<b>\$ 12,446,025</b>
37D01	Whatcom #1, Everson	1,092	0	0	0	1,092	\$ 695,400
37D05	Whatcom #5	480	0	1	0	481	\$ 8,000
37D07	Whatcom #7, Ferndale	5,660	0	175	0	5,835	\$ 1,660,250
37D11	Whatcom #11, Lummi Island	110	0	0	0	110	\$ -
37D14	Whatcom #14, Sumas	1,352	1	48	0	1,401	\$ 528,744
37D16	Whatcom #16, Acme	179	0	4	0	183	\$ 497,150
37D17	Whatcom #17, Sandy Point	214	0	1	0	215	\$ 310,000
37D18	Whatcom #18, S. Lake Whatcom	163	0	50	0	213	\$ 19,600
37D19	Whatcom #19, Glacier Fire & Rescue	0	0	0	0	0	\$ -
37D20	South Whatcom Fire Authority	1,168	0	30	0	1,198	\$ 633,150
37D21	Whatcom #21, N. Whatcom Fire & Rescue	4,705	1	1,220	0	5,926	\$ 1,944,201
37M01	Bellingham Fire Department	17,831	0	3,839	0	21,670	\$ 4,607,530
37M07	Lynden Fire Department	2,082	0	186	0	2,268	\$ 1,542,000
<b>Grand Total</b>		<b>68,988</b>	<b>24</b>	<b>8,387</b>	<b>10</b>	<b>77,409</b>	<b>\$ 18,563,533</b>

Numbers for incidents, exposures, aid given, and No Activity Reports are all based on valid incident data only; invalid incidents or incidents that failed to properly import into the system are not included. # of Incidents is based on primary reports coded as Aid 1, 2, 5, or N

## Region 4

Region 4 is comprised of King, Pierce, and Snohomish counties. In 2022, 90 percent 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	2018	2019	2020	2021	2022	5-Year Total
<b>Fire</b>						
Number of Incidents	10,678	10,961	11,624	15,929	16,506	65,698
Dollar Loss	\$140,337,347	\$103,752,454	\$143,199,613	\$236,921,464	\$156,054,332	\$780,265,210
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
Number of Incidents	637	620	524	535	475	2,791
Dollar Loss	\$113,100	\$19,700	\$24,930	\$50,400	\$185,950	\$394,080
<b>Rescue and Emergency Medical Service</b>						
Number of Incidents	284,481	295,369	273,587	298,630	315,960	1,468,027
Dollar Loss	\$397,145	\$386,966	\$756,100	\$90,760	\$614,003	\$2,244,974
<b>Hazardous Conditions (No Fire)</b>						
Number of Incidents	5,519	6,183	5,805	6,470	6,869	30,846
Dollar Loss	\$85,030	\$57,390	\$54,250	\$161,612	\$678,390	\$1,036,672
<b>Service Calls</b>						
Number of Incidents	23,556	25,435	25,468	30,638	32,529	137,626
Dollar Loss	\$282,670	\$204,827	\$152,830	\$289,851	\$670,705	\$1,600,883
<b>Good Intent Calls</b>						
Number of Incidents	36,782	38,006	35,892	41,343	43,600	195,623
Dollar Loss	\$37,172	\$328,102	\$101,100	\$43,198	\$23,202	\$532,774
<b>False Alarms &amp; False Calls</b>						
Number of Incidents	26,093	29,807	26,905	29,925	33,064	145,794
Dollar Loss	\$121,600	\$20,502	\$312,962	\$204,540	\$527	\$660,131
<b>Severe Weather &amp; Natural Disaster</b>						
Number of Incidents	180	403	267	395	303	1,548
Dollar Loss	\$0	\$0	\$609,000	\$0	\$75,000	\$684,000
<b>Other Types of Incidents</b>						
Number of Incidents	2,743	2,551	3,133	2,727	2,620	13,774
Dollar Loss	\$0	\$0	\$1,200	\$133,834	\$1,000	\$136,034
<b>Undetermined</b>						
Number of Incidents	0	0	0	0	3	3
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>390,669</b>	<b>409,335</b>	<b>383,205</b>	<b>426,592</b>	<b>451,929</b>	<b>2,061,730</b>
<b>Total Dollar Loss</b>	<b>\$141,374,064</b>	<b>\$104,769,941</b>	<b>\$145,211,985</b>	<b>\$237,895,659</b>	<b>\$158,303,109</b>	<b>\$787,554,758</b>

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

Over the past five years, 65,698 fire incidents, resulting in more than \$780 million in property and content loss, have been reported by fire service agencies in Region 4. **Structure Fires (including Confined Fires)** accounted for nearly 24 percent of the five-year total and 82 percent of the dollar loss to property and contents.

Fire Incident Type Categories	2018	2019	2020	2021	2022	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	2,937	3,116	3,009	3,247	3,367	15,676
Dollar Loss	\$90,523,170	\$89,088,254	\$130,977,819	\$196,553,601	\$132,059,761	\$639,202,605
<b>Vehicle Fires</b>						
Number of Incidents	1,387	1,465	1,432	1,693	1,774	7,751
Dollar Loss	\$47,407,957	\$9,802,407	\$8,253,972	\$31,193,435	\$18,007,717	\$114,665,488
<b>Fire, Other</b>						
Number of Incidents	567	598	602	696	1,080	3,543
Dollar Loss	\$738,520	\$795,503	\$671,828	\$6,849,562	\$2,815,067	\$11,870,480
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	106	97	99	140	144	586
Dollar Loss	\$996,756	\$3,177,282	\$458,107	\$970,605	\$1,580,050	\$7,182,800
<b>Natural Vegetation Fires</b>						
Number of Incidents	2,836	2,377	2,179	3,466	2,892	13,750
Dollar Loss	\$289,907	\$217,002	\$2,350,002	\$294,548	\$156,676	\$3,308,135
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	963	1,012	1,199	1,768	1,348	6,290
Dollar Loss	\$272,132	\$536,450	\$303,253	\$590,651	\$922,837	\$2,625,323
<b>Outside Rubbish Fires</b>						
Number of Incidents	1,871	2,283	3,091	4,900	5,881	18,026
Dollar Loss	\$97,905	\$130,056	\$179,132	\$468,762	\$506,424	\$1,382,279
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	11	13	13	19	20	76
Dollar Loss	\$11,000	\$5,500	\$5,500	\$300	\$5,800	\$28,100
<b>Total Number of Incidents</b>	<b>10,678</b>	<b>10,961</b>	<b>11,624</b>	<b>15,929</b>	<b>16,506</b>	<b>65,698</b>
<b>Total Dollar Loss</b>	<b>\$140,337,347</b>	<b>\$103,752,454</b>	<b>\$143,199,613</b>	<b>\$236,921,464</b>	<b>\$156,054,332</b>	<b>\$780,265,210</b>

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

Over the past five years, 15,676 structure fire incidents, resulting in more than \$639 million in property and content loss, have been reported by fire service agencies in Region 4. **Building Fires** accounted for 46 percent of the five-year total and 99 percent of the dollar loss to property and contents.

Structure Fires (Including confined fires)	2018	2019	2020	2021	2022	5-Year Total
<b>Building fires</b>						
Number of Incidents	1,376	1,515	1,441	1,574	1,292	7,198
Dollar Loss	\$89,042,342	\$86,956,829	\$129,978,732	\$195,751,127	\$130,273,213	\$632,002,243
<b>Fires in structures other than in a building</b>						
Number of Incidents	70	82	95	152	212	611
Dollar Loss	\$800,823	\$1,480,779	\$440,372	\$294,376	\$1,380,664	\$4,397,014
<b>Cooking fire, confined to container</b>						
Number of Incidents	1,025	1,014	944	1,038	1,200	5,221
Dollar Loss	\$511,524	\$516,802	\$364,960	\$381,974	\$291,878	\$2,067,138
<b>Trash or rubbish fire, contained</b>						
Number of Incidents	283	308	340	312	500	1,743
Dollar Loss	\$69,147	\$68,594	\$108,455	\$76,091	\$81,903	\$404,190
<b>Chimney or flue fire, confined to chimney or flue</b>						
Number of Incidents	147	167	161	148	137	760
Dollar Loss	\$24,629	\$33,700	\$69,500	\$28,335	\$18,375	\$174,539
<b>Fuel burner/boiler malfunction, fire confined</b>						
Number of Incidents	20	20	19	13	14	86
Dollar Loss	\$18,205	\$26,550	\$15,300	\$9,700	\$8,725	\$78,480
<b>Incinerator overload or malfunction, fire confined</b>						
Number of Incidents	4	4	2	2	1	13
Dollar Loss	\$56,000	\$5,000	\$0	\$1,998	\$0	\$62,998
<b>Commercial Compactor fire, confined to rubbish</b>						
Number of Incidents	12	6	7	8	11	44
Dollar Loss	\$500	\$0	\$500	\$10,000	\$5,003	\$16,003
<b>Total Number of Incidents</b>	<b>2,937</b>	<b>3,116</b>	<b>3,009</b>	<b>3,247</b>	<b>3,367</b>	<b>15,676</b>
<b>Total Dollar Loss</b>	<b>\$90,523,170</b>	<b>\$89,088,254</b>	<b>\$130,977,819</b>	<b>\$196,553,601</b>	<b>\$132,059,761</b>	<b>\$639,202,605</b>

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

Over the past five years, 20,571 fire incidents in **Residential** properties, resulting in more than \$445 million in property and content loss, have been reported by fire service agencies in Region 4. **Residential** fires accounted for 31 percent of the five-year total and 57 percent of the dollar loss to property and contents.

<b>Fires by Property Use</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>5-Year Total</b>
<b>Residential</b>						
Number of Incidents	3,734	4,012	3,938	4,460	4,427	20,571
Dollar Loss	\$70,662,305	\$75,135,678	\$97,859,191	\$93,768,553	\$108,280,981	\$445,706,708
<b>Storage</b>						
Number of Incidents	171	191	182	253	216	1,013
Dollar Loss	\$3,482,535	\$2,899,252	\$3,068,541	\$86,902,139	\$14,885,394	\$111,237,861
<b>Mercantile and Business</b>						
Number of Incidents	478	544	541	948	1,110	3,621
Dollar Loss	\$18,635,088	\$11,532,926	\$19,997,161	\$11,394,328	\$11,126,805	\$72,686,308
<b>Outside or Special Properties</b>						
Number of Incidents	4,400	4,437	4,843	7,239	8,387	29,306
Dollar Loss	\$11,573,564	\$6,805,722	\$8,631,328	\$7,620,874	\$12,729,520	\$47,361,008
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	112	91	117	166	190	676
Dollar Loss	\$32,115,523	\$316,835	\$4,867,204	\$916,001	\$231,756	\$38,447,319
<b>Other Property Uses</b>						
Number of Incidents	166	213	249	467	346	1,441
Dollar Loss	\$891,960	\$1,627,859	\$946,028	\$21,174,920	\$4,151,220	\$28,791,987
<b>Assembly</b>						
Number of Incidents	302	257	341	426	516	1,842
Dollar Loss	\$1,085,706	\$1,853,183	\$6,620,446	\$3,944,493	\$2,897,819	\$16,401,647
<b>Manufacturing and Processing</b>						
Number of Incidents	63	74	59	76	64	336
Dollar Loss	\$200,820	\$2,703,472	\$924,543	\$9,972,137	\$243,190	\$14,044,162
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	59	72	64	85	87	367
Dollar Loss	\$1,447,629	\$165,388	\$42,133	\$393,210	\$419,848	\$2,468,208
<b>Unknown</b>						
Number of Incidents	1,035	948	1,173	1,690	1,020	5,866
Dollar Loss	\$67,020	\$316,828	\$111,458	\$617,917	\$388,674	\$1,501,897
<b>Educational Uses</b>						
Number of Incidents	134	110	84	86	123	537
Dollar Loss	\$52,196	\$361,811	\$96,470	\$138,472	\$667,075	\$1,316,024
<b>None</b>						
Number of Incidents	24	12	33	33	20	122
Dollar Loss	\$123,001	\$33,500	\$35,110	\$78,420	\$32,050	\$302,081
<b>Total Number of Incidents</b>	<b>10,678</b>	<b>10,961</b>	<b>11,624</b>	<b>15,929</b>	<b>16,506</b>	<b>65,698</b>
<b>Total Dollar Loss</b>	<b>\$140,337,347</b>	<b>\$103,752,454</b>	<b>\$143,199,613</b>	<b>\$236,921,464</b>	<b>\$156,054,332</b>	<b>\$780,265,210</b>

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

Over the past five years, the area of origin was **Undetermined** in 4,655 fire incidents, resulting in more than \$193 million in property and content loss, have been reported by fire service agencies in Region 4. While fires with **Undetermined** areas of origin only accounted for 7 percent of the five-year total, it represents 25 percent of the dollar loss to property and contents.

Area of Origin by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	593	673	703	1,223	1,463	4,655
Dollar Loss	\$27,003,009	\$22,632,006	\$25,860,110	\$93,710,552	\$24,596,311	\$193,801,988
<b>Functional Areas</b>						
Number of Incidents	878	978	894	964	862	4,576
Dollar Loss	\$20,741,165	\$26,302,691	\$38,576,941	\$29,752,760	\$44,731,802	\$160,105,359
<b>Structural Areas</b>						
Number of Incidents	302	346	319	378	314	1,659
Dollar Loss	\$17,117,790	\$18,162,611	\$16,251,064	\$33,478,661	\$17,939,957	\$102,950,083
<b>Outside Areas</b>						
Number of Incidents	2,841	2,555	2,724	4,007	3,099	15,226
Dollar Loss	\$40,288,999	\$2,778,039	\$23,612,988	\$11,517,532	\$6,447,822	\$84,645,380
<b>Storage Areas</b>						
Number of Incidents	284	311	352	399	399	1,745
Dollar Loss	\$13,774,727	\$11,849,815	\$12,719,311	\$14,803,523	\$18,242,439	\$71,389,815
<b>Vehicle Areas</b>						
Number of Incidents	1,191	1,233	1,205	1,386	1,475	6,490
Dollar Loss	\$12,199,096	\$8,435,482	\$10,606,972	\$11,544,763	\$14,947,195	\$57,733,508
<b>Service or Equipment Areas</b>						
Number of Incidents	85	107	102	127	110	531
Dollar Loss	\$2,513,970	\$988,772	\$1,324,453	\$11,810,370	\$11,890,393	\$28,527,958
<b>Areas of Groups of People (Assembly)</b>						
Number of Incidents	73	87	90	88	71	409
Dollar Loss	\$2,706,716	\$6,086,020	\$2,468,928	\$7,928,276	\$4,794,382	\$23,984,322
<b>Means of Egress/Exit Access/Exit Areas</b>						
Number of Incidents	76	109	97	120	122	524
Dollar Loss	\$2,108,308	\$2,691,512	\$2,030,061	\$8,731,812	\$4,586,344	\$20,148,037
<b>Tehcnical Processing Areas</b>						
Number of Incidents	16	20	20	23	20	99
Dollar Loss	\$420,872	\$1,271,773	\$4,236,428	\$10,577,236	\$2,934,600	\$19,440,909
<b>Other Areas of Origin</b>						
Number of Incidents	287	278	259	436	389	1,649
Dollar Loss	\$779,535	\$1,819,632	\$2,923,497	\$2,372,334	\$4,371,363	\$12,266,361
<b>(Blank)</b>						
Number of Incidents	4,052	4,264	4,859	6,778	8,182	28,135
Dollar Loss	\$683,160	\$734,101	\$2,588,860	\$693,645	\$571,724	\$5,271,490
<b>Total Number of Incidents</b>	<b>10,678</b>	<b>10,961</b>	<b>11,624</b>	<b>15,929</b>	<b>16,506</b>	<b>65,698</b>
<b>Total Dollar Loss</b>	<b>\$140,337,347</b>	<b>\$103,752,454</b>	<b>\$143,199,613</b>	<b>\$236,921,464</b>	<b>\$156,054,332</b>	<b>\$780,265,210</b>

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

Over the past five years, 17,081 fire incidents with a heat source of **Undetermined**, resulting in more than \$445 million in property and content loss, have been reported by fire service agencies in Region 4. Fires with an **Undetermined** heat source accounted for 26 percent of the five-year total and 57 percent of the dollar loss to property and contents.

Heat Source by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	2,767	2,741	2,920	4,423	4,230	17,081
Dollar Loss	\$58,524,783	\$56,890,186	\$71,350,773	\$166,217,776	\$92,146,333	\$445,129,851
<b>Operating Equipment</b>						
Number of Incidents	1,400	1,450	1,410	1,446	1,206	6,912
Dollar Loss	\$26,198,546	\$20,664,399	\$30,851,807	\$35,536,193	\$29,574,163	\$142,825,108
<b>Hot or Smoldering Object</b>						
Number of Incidents	739	767	722	1,000	853	4,081
Dollar Loss	\$39,531,836	\$8,383,721	\$7,664,170	\$9,375,034	\$6,718,235	\$71,672,996
<b>Open Flame or Smoking Material</b>						
Number of Incidents	981	989	1,006	1,283	1,059	5,318
Dollar Loss	\$8,666,423	\$10,355,824	\$11,274,112	\$16,264,220	\$9,000,590	\$55,561,169
<b>Heat Source Other</b>						
Number of Incidents	174	216	181	210	361	1,142
Dollar Loss	\$1,156,032	\$1,798,075	\$13,184,680	\$4,055,480	\$9,059,749	\$29,254,016
<b>Explosives and Fireworks</b>						
Number of Incidents	362	294	329	567	410	1,962
Dollar Loss	\$1,926,988	\$1,411,126	\$2,662,903	\$2,926,005	\$2,346,807	\$11,273,829
<b>Heat Spread from Another Fire</b>						
Number of Incidents	109	138	101	115	105	568
Dollar Loss	\$1,259,980	\$2,719,217	\$720,990	\$737,006	\$4,766,762	\$10,203,955
<b>Chemical or Natural</b>						
Number of Incidents	66	74	60	82	62	344
Dollar Loss	\$1,975,113	\$786,490	\$2,116,418	\$962,479	\$1,698,569	\$7,539,069
<b>(Blank)</b>						
Number of Incidents	4,052	4,264	4,859	6,778	8,182	28,135
Dollar Loss	\$683,160	\$734,101	\$2,588,860	\$693,645	\$571,724	\$5,271,490
<b>Multiple Heat Sources</b>						
Number of Incidents	28	28	36	25	38	155
Dollar Loss	\$414,486	\$9,315	\$784,900	\$153,626	\$171,400	\$1,533,727
<b>Total Number of Incidents</b>	<b>10,678</b>	<b>10,961</b>	<b>11,624</b>	<b>15,929</b>	<b>16,506</b>	<b>65,698</b>
<b>Total Dollar Loss</b>	<b>\$140,337,347</b>	<b>\$103,752,454</b>	<b>\$143,199,613</b>	<b>\$236,921,464</b>	<b>\$156,054,332</b>	<b>\$780,265,210</b>

Sources listed as **(blank)** are incidents where a fire or wildland module was not required to be completed.

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

Over the past five years, 30,849 fire incidents with an **Unknown** cause of ignition, resulting in more than \$382 million in property and content loss, have been reported by fire service agencies in Region 4. **Unknown** ignition caused fires accounted for 47 percent of the five-year total and 49 percent of the dollar loss to property and contents.

For definitions of each of the following categories, see the descriptions [listed earlier in this report](#).

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Unknown</b>						
Number of Incidents	4,258	4,530	5,174	7,805	9,082	30,849
Dollar Loss	\$45,324,847	\$42,776,444	\$75,535,955	\$149,915,141	\$69,077,707	\$382,630,094
<b>Other Unintentional, Careless</b>						
Number of Incidents	1,130	1,104	1,069	1,311	1,150	5,764
Dollar Loss	\$14,764,815	\$9,897,398	\$8,860,652	\$13,677,520	\$27,484,210	\$74,684,595
<b>Electrical Malfunction</b>						
Number of Incidents	411	450	418	467	392	2,138
Dollar Loss	\$10,013,842	\$6,441,531	\$11,948,453	\$21,102,941	\$11,255,843	\$60,762,610
<b>Other heat</b>						
Number of Incidents	532	524	495	706	616	2,873
Dollar Loss	\$36,271,645	\$6,194,300	\$6,193,761	\$5,583,793	\$5,872,627	\$60,116,126
<b>Intentional</b>						
Number of Incidents	1,067	1,251	1,616	2,473	2,214	8,621
Dollar Loss	\$5,028,713	\$9,639,959	\$8,173,168	\$15,025,688	\$7,985,499	\$45,853,027
<b>Equipment Misoperation, Failure</b>						
Number of Incidents	514	507	494	484	487	2,486
Dollar Loss	\$6,616,923	\$4,512,205	\$12,549,409	\$9,105,508	\$7,408,148	\$40,192,193
<b>Cooking</b>						
Number of Incidents	1,162	1,155	1,082	1,161	1,340	5,900
Dollar Loss	\$3,502,471	\$6,228,150	\$5,396,222	\$3,067,907	\$4,839,163	\$23,033,913
<b>Open Flame</b>						
Number of Incidents	387	392	367	448	329	1,923
Dollar Loss	\$4,522,504	\$3,375,650	\$5,580,175	\$6,490,749	\$2,842,363	\$22,811,441
<b>Appliances</b>						
Number of Incidents	158	146	126	174	155	759
Dollar Loss	\$2,363,802	\$4,153,013	\$2,272,677	\$3,345,741	\$3,691,753	\$15,826,986
<b>Heating</b>						
Number of Incidents	289	295	275	266	228	1,353
Dollar Loss	\$4,496,424	\$3,092,411	\$1,805,303	\$2,201,470	\$4,134,279	\$15,729,887
<b>Smoking</b>						
Number of Incidents	484	366	283	376	245	1,754
Dollar Loss	\$3,197,024	\$2,510,108	\$1,356,743	\$3,466,997	\$2,065,159	\$12,596,031

### Region 4 Fire Incidents by Cause of Ignition (continued)

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Investigation with Arson Mod.</b>						
Number of Incidents	29	29	17	15	33	123
Dollar Loss	\$451,554	\$2,088,754	\$400,220	\$871,850	\$4,744,835	\$8,557,213
<b>Natural</b>						
Number of Incidents	134	119	128	157	147	685
Dollar Loss	\$2,067,963	\$805,900	\$2,118,669	\$1,387,890	\$1,748,947	\$8,129,369
<b>Other Equipment</b>						
Number of Incidents	21	17	19	23	26	106
Dollar Loss	\$273,201	\$406,041	\$669,700	\$1,303,000	\$2,433,574	\$5,085,516
<b>Exposure</b>						
Number of Incidents	52	42	29	34	33	190
Dollar Loss	\$1,418,068	\$1,542,536	\$127,406	\$197,319	\$352,650	\$3,637,979
<b>Playing with Heat Source</b>						
Number of Incidents	50	34	32	29	29	174
Dollar Loss	\$23,551	\$88,054	\$211,100	\$177,950	\$117,575	\$618,230
<b>Total Number of Incidents</b>	<b>10,678</b>	<b>10,961</b>	<b>11,624</b>	<b>15,929</b>	<b>16,506</b>	<b>65,698</b>
<b>Total Dollar Loss</b>	<b>\$140,337,347</b>	<b>\$103,752,454</b>	<b>\$143,199,613</b>	<b>\$236,921,464</b>	<b>\$156,054,332</b>	<b>\$780,265,210</b>

## Region 4 Incidents by Reporting Agency

The following represents a breakdown of activity and property and contents loss as reported by individual agencies within Region 4.

REGION 4 2022 REPORTING SUMMARY							
% of Region Reporting = 90%		# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity	Total Reports	Reported Property and Contents Loss
King	% of County Reporting = 100%	205,182	29	17,991	0	223,202	\$ 46,668,997
17D02	King #2, Burien/Normandy Park	8,684	0	202	0	8,886	\$ 2,383,582
17D04	King #4, Shoreline	12,416	0	299	0	12,715	\$ 1,292,485
17D10	King#10, Eastside Fire & Rescue	15,545	0	1,392	0	16,937	\$ 2,362,967
17D11	King #11, North Highline	3,330	0	9	0	3,339	\$ 523,144
17D13	King #13, Vashon Island Fire & Rescue	1,591	0	20	0	1,611	\$ 1,891,725
17D16	King #16, Northshore FD	1,885	0	161	0	2,046	\$ 25,015
17D20	King #20, Skyway/Bryn Mawr/Lakeridge	2,363	0	361	0	2,724	\$ 64,125
17D27	King #27, Fall City	636	0	314	0	950	\$ 1,939,260
17D39	King #39, S. King Fire & Rescue	21,260	28	1,844	0	23,132	\$ 4,011,930
17D44	King #44, Mountain View Fire & Rescue	2,502	0	132	0	2,634	\$ 664,950
17D45	King #45, Duvall	1,228	0	108	0	1,336	\$ 94,450
17D47	King #47, Kangley/Palmer	119	0	1	0	120	\$ 29,800
17D50	King#50, Skykomish/Stevens Pass	262	0	11	0	273	\$ 1,000
17D51	King #51, Snoqualmie Pass Fire & Rescue	214	0	49	0	263	\$ -
17M01	Valley Regional Fire Authority	14,242	0	614	0	14,856	\$ 1,582,760
17M02	Bellevue Fire Department	18,575	0	3,735	0	22,310	\$ 2,086,572
17M04	Bothell Fire & EMS	7,017	1	194	0	7,212	\$ 436,696
17M06	King #28, Enumclaw Fire Department	2,772	0	52	0	2,824	\$ 219,250
17M08	Puget Sound Regional Fire Authority	25,023	0	2,042	0	27,065	\$ 6,472,661
17M09	Kirkland Fire Department	8,710	0	255	0	8,965	\$ 1,231,659
17M10	Mercer Island Fire Department	2,335	0	13	0	2,348	\$ 87,632
17M13	Redmond Fire Department	8,815	0	3,422	0	12,237	\$ 3,366,324
17M14	Renton Regional Fire Authority	16,866	0	1,361	0	18,227	\$ 3,612,858
17M15	Seattle Fire Dept	22,119	0	0	0	22,119	\$ 11,191,096
17M17	Snoqualmie Fire Dept	1,051	0	557	0	1,608	\$ 488,050
17M19	Tukwila Fire Dept	4,804	0	752	0	5,556	\$ 607,556
17P01	King County International Airport	115	0	0	0	115	\$ 200
17S01	Port of Seattle/SeaTac Int'l Airport Fire Dept	703	0	91	0	794	\$ 1,250

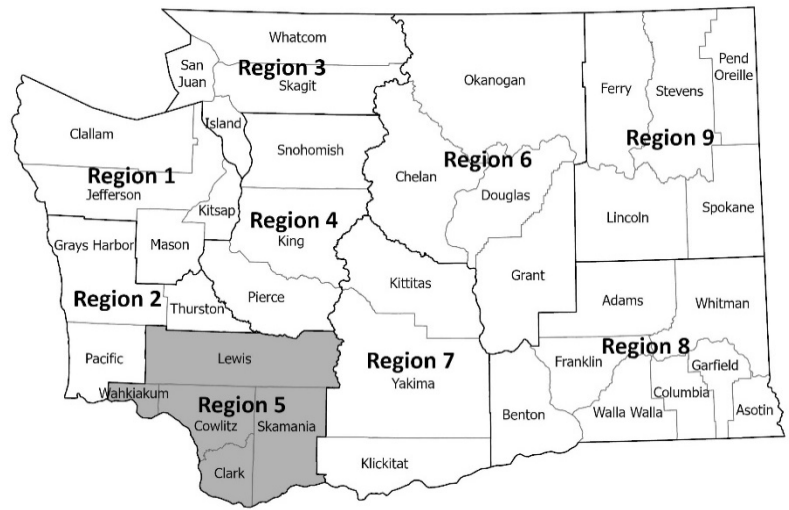
## REGION 4 2022 REPORTING SUMMARY (Continued)

% of Region Reporting = 90%		# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity	Total Reports	Reported Property and Contents Loss
Pierce	% of County Reporting = 80%	132,505	6	3,298	0	135,809	\$ 74,991,003
27D03	Pierce #3, W. Pierce Fire & Rescue	17,111	1	554	0	17,666	\$ 7,922,290
27D05	Pierce #5, Gig Harbor Fire & Medic One	6,715	0	160	0	6,875	\$ 3,918,950
27D06	Pierce #6, Central Pierce Fire & Rescue	34,226	0	747	0	34,973	\$ 12,626,040
27D13	Pierce #13, Browns Point/Dash Point	205	0	14	0	219	\$ -
27D14	Pierce #14, Riverside Fire & Rescue	610	0	23	0	633	\$ 308,000
27D16	Pierce #16, Key Peninsula Fire	2,488	0	59	0	2,547	\$ 491,300
27D17	Pierce #17, South Pierce Fire & Rescue (Roy/McKenna)	2,964	0	204	0	3,168	\$ 374,225
27D18	Pierce #18, Orting Valley Fire & Rescue	2,122	0	407	0	2,529	\$ 538,900
27D21	Pierce #21, Graham Fire & Rescue	7,019	0	453	0	7,472	\$ 3,080,326
27D22	Pierce #22, E. Pierce Fire & Rescue	11,252	0	233	0	11,485	\$ 6,065,701
27D23	Pierce #23, Pierce 23 Fire & Rescue	0	0	0	0	0	\$ -
27D25	Pierce #25, Crystal Mountain	0	0	0	0	0	\$ -
27D26	Pierce #26, Greenwater	0	0	0	0	0	\$ -
27D27	Pierce #27, Anderson Island Fire-Rescue	0	0	0	0	0	\$ -
27M02	Buckley Fire Dept	971	0	391	0	1,362	\$ 29,000
27M03	Carbonado Fire Dept	15	0	13	0	28	\$ -
27M04	Dupont Fire Dept	892	0	12	0	904	\$ 2,177,800
27M11	Ruston Fire Dept	105	0	25	0	130	\$ 40
27M16	Tacoma Fire Dept	45,786	5	2	0	45,793	\$ 37,458,431
27S05	McNeil Island Fire Dept	24	0	1	0	25	\$ -
Snohomish	% of County Reporting = 85%	114,242	0	11,645	0	125,887	\$ 36,643,109
31C02	Snohomish County Airport - Paine Field	257	0	24	0	281	\$ 12,200
31D01	Snohomish #1/South Snohomish Regional Fire Authority	34,213	0	2,436	0	36,649	\$ 15,480,320
31D04	Snohomish #4, Snohomish	3,238	0	431	0	3,669	\$ 142,575
31D05	Snohomish #5, Sultan/Startup	1,060	0	68	0	1,128	\$ 17,600
31D07	Snohomish Regional Fire & Rescue	15,725	0	2,949	0	18,674	\$ 1,864,519
31D15	Snohomish #15, Tulalip Bay	1,185	0	117	0	1,302	\$ 507,800
31D16	Snohomish #16, Lake Roesiger	0	0	0	0	0	\$ -
31D17	Snohomish #17, Granite Falls	2,539	0	314	0	2,853	\$ 271,404
31D19	Snohomish #19, Silvana	413	0	361	0	774	\$ 148,900
31D21	Snohomish #21, Arlington	929	0	553	0	1,482	\$ 34,850
31D22	Snohomish #22, Getchell	387	0	768	0	1,155	\$ 18,400
31D23	Snohomish #23, Robe Valley	0	0	0	0	0	\$ -
31D24	Snohomish #24, Darrington Fire	330	0	32	0	362	\$ 249,400
31D25	Snohomish #25, Oso	149	0	95	0	244	\$ 152,013
31D26	Snohomish #26, Sky Valley Fire	1,000	0	327	0	1,327	\$ 500,000
31D27	Snohomish #27, Gedney/Hat Island	0	0	0	0	0	\$ -
31D30	North County Regional Fire Authority	9,221	0	791	0	10,012	\$ 1,827,353
31M04	Everett Fire Department	27,225	0	137	0	27,362	\$ 12,004,239
31M08	Snohomish #12, Marysville	14,245	0	1,696	0	15,941	\$ 3,068,962
31M11	Mukilteo Fire Department	2,126	0	546	0	2,672	\$ 342,574
Grand Total		451,929	35	32,934	0	484,898	\$ 158,303,109

Numbers for incidents, exposures, aid given, and No Activity Reports are all based on valid incident data only; invalid incidents or incidents that failed to properly import into the system are not included. # of Incidents is based on primary reports coded as Aid 1, 2, 5, or N

## Region 5

Region 5 is comprised of Clark, Cowlitz, Lewis, Skamania, and Wahkiakum counties. In 2022, 67 percent 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	2018	2019	2020	2021	2022	5-Year Total
<b>Fire</b>						
Number of Incidents	2,358	2,253	2,062	2,718	2,627	12,018
Dollar Loss	\$18,267,439	\$16,221,354	\$22,984,092	\$24,778,234	\$39,754,212	\$122,005,331
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
Number of Incidents	44	58	63	82	63	310
Dollar Loss	\$700	\$0	\$5,152	\$1,000	\$252,050	\$258,902
<b>Rescue and Emergency Medical Service</b>						
Number of Incidents	45,238	47,815	45,899	52,914	55,031	246,897
Dollar Loss	\$49,000	\$98,501	\$6,750	\$31,800	\$142,950	\$329,001
<b>Hazardous Conditions (No Fire)</b>						
Number of Incidents	696	730	805	809	867	3,907
Dollar Loss	\$9,085	\$9,900	\$2,010	\$4,175	\$0	\$25,170
<b>Service Calls</b>						
Number of Incidents	5,102	6,051	6,034	6,312	7,400	30,899
Dollar Loss	\$10,820	\$2,660	\$1,040	\$770,539	\$5,000	\$790,059
<b>Good Intent Calls</b>						
Number of Incidents	13,741	14,403	14,731	17,588	19,261	79,724
Dollar Loss	\$300	\$0	\$1,180	\$1,500	\$52,150	\$55,130
<b>False Alarms &amp; False Calls</b>						
Number of Incidents	2,558	2,983	3,004	3,031	3,413	14,989
Dollar Loss	\$101,300	\$6,000	\$676,116	\$15,407	\$35,000	\$833,823
<b>Severe Weather &amp; Natural Disaster</b>						
Number of Incidents	8	16	20	16	29	89
Dollar Loss	\$0	\$0	\$0	\$0	\$50,000	\$50,000
<b>Other Types of Incidents</b>						
Number of Incidents	323	366	334	328	439	1,790
Dollar Loss	\$0	\$0	\$0	\$0	\$2,500	\$2,500
<b>Undetermined</b>						
Number of Incidents	0	0	0	0	0	0
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>70,068</b>	<b>74,675</b>	<b>72,952</b>	<b>83,798</b>	<b>89,130</b>	<b>390,623</b>
<b>Total Dollar Loss</b>	<b>\$18,438,644</b>	<b>\$16,338,415</b>	<b>\$23,676,340</b>	<b>\$25,602,655</b>	<b>\$40,293,862</b>	<b>\$124,349,916</b>

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

Over the past five years, 12,018 fire incidents, resulting in more than \$122 million in property and content loss, have been reported by fire service agencies in Region 5. **Structure Fires (including Confined Fires)** accounted for 26 percent of the five-year total and 89 percent of the dollar loss to property and contents.

Fire Incident Type Categories	2018	2019	2020	2021	2022	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	612	651	563	679	653	3,158
Dollar Loss	\$16,133,576	\$14,498,427	\$20,893,046	\$21,241,550	\$35,718,773	\$108,485,372
<b>Vehicle Fires</b>						
Number of Incidents	323	345	311	384	374	1,737
Dollar Loss	\$1,742,353	\$1,229,127	\$1,620,129	\$3,054,722	\$3,365,004	\$11,011,335
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	25	39	32	34	37	167
Dollar Loss	\$187,950	\$220,456	\$277,466	\$254,802	\$200,900	\$1,141,574
<b>Fire, Other</b>						
Number of Incidents	176	167	147	185	231	906
Dollar Loss	\$127,910	\$168,949	\$86,770	\$66,515	\$265,596	\$715,740
<b>Natural Vegetation Fires</b>						
Number of Incidents	819	631	601	800	578	3,429
Dollar Loss	\$41,986	\$55,711	\$39,327	\$63,293	\$48,177	\$248,494
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	112	117	86	112	95	522
Dollar Loss	\$24,814	\$30,290	\$25,914	\$28,103	\$90,350	\$199,471
<b>Outside Rubbish Fires</b>						
Number of Incidents	288	296	320	518	649	2,071
Dollar Loss	\$8,700	\$15,894	\$41,440	\$59,849	\$65,337	\$191,220
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	3	7	2	6	10	28
Dollar Loss	\$150	\$2,500	\$0	\$9,400	\$75	\$12,125
<b>Total Number of Incidents</b>	<b>2,358</b>	<b>2,253</b>	<b>2,062</b>	<b>2,718</b>	<b>2,627</b>	<b>12,018</b>
<b>Total Dollar Loss</b>	<b>\$18,267,439</b>	<b>\$16,221,354</b>	<b>\$22,984,092</b>	<b>\$24,778,234</b>	<b>\$39,754,212</b>	<b>\$122,005,331</b>

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

Over the past five years, 3,158 structure fire incidents, resulting in more than \$108 million in property and content loss, have been reported by fire service agencies in Region 5. **Building Fires** accounted for 49 percent of the five-year total and 99 percent of the dollar loss to property and contents.

Structure Fires (Including confined fires)	2018	2019	2020	2021	2022	5-Year Total
<b>Building fires</b>						
Number of Incidents	299	322	278	340	322	1,561
Dollar Loss	\$15,746,509	\$14,329,179	\$20,521,784	\$21,105,670	\$35,502,133	\$107,205,275
<b>Fires in structures other than in a building</b>						
Number of Incidents	20	11	16	21	21	89
Dollar Loss	\$261,410	\$50,285	\$304,061	\$54,363	\$110,200	\$780,319
<b>Cooking fire, confined to container</b>						
Number of Incidents	151	155	149	162	153	770
Dollar Loss	\$97,645	\$73,300	\$47,851	\$60,600	\$36,170	\$315,566
<b>Trash or rubbish fire, contained</b>						
Number of Incidents	50	52	59	77	92	330
Dollar Loss	\$9,012	\$13,859	\$4,350	\$3,367	\$42,000	\$72,588
<b>Chimney or flue fire, confined to chimney or flue</b>						
Number of Incidents	84	99	55	70	55	363
Dollar Loss	\$10,200	\$30,454	\$9,900	\$11,550	\$7,600	\$69,704
<b>Fuel burner/boiler malfunction, fire confined</b>						
Number of Incidents	4	4	2	6	7	23
Dollar Loss	\$500	\$0	\$5,000	\$500	\$10,970	\$16,970
<b>Commercial Compactor fire, confined to rubbish</b>						
Number of Incidents	2	2	1	1	0	6
Dollar Loss	\$8,200	\$0	\$0	\$5,000	\$0	\$13,200
<b>Incinerator overload or malfunction, fire confined</b>						
Number of Incidents	2	6	3	2	3	16
Dollar Loss	\$100	\$1,350	\$100	\$500	\$9,700	\$11,750
<b>Total Number of Incidents</b>	<b>612</b>	<b>651</b>	<b>563</b>	<b>679</b>	<b>653</b>	<b>3,158</b>
<b>Total Dollar Loss</b>	<b>\$16,133,576</b>	<b>\$14,498,427</b>	<b>\$20,893,046</b>	<b>\$21,241,550</b>	<b>\$35,718,773</b>	<b>\$108,485,372</b>

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

Over the past five years, 4,678 fire incidents in **Residential** properties, resulting in more than \$87 million in property and content loss, have been reported by fire service agencies in Region 5. **Residential** fires accounted for 39 percent of the five-year total and 72 percent of the dollar loss to property and contents.

Fires by Property Use	2018	2019	2020	2021	2022	5-Year Total
<b>Residential</b>						
Number of Incidents	944	956	853	987	938	4,678
Dollar Loss	\$14,095,037	\$10,632,962	\$14,640,271	\$18,272,649	\$29,978,137	\$87,619,056
<b>Outside or Special Properties</b>						
Number of Incidents	1,049	917	867	1,298	1,277	5,408
Dollar Loss	\$1,467,146	\$927,032	\$1,593,917	\$2,190,612	\$3,273,120	\$9,451,827
<b>Mercantile and Business</b>						
Number of Incidents	116	120	114	133	130	613
Dollar Loss	\$595,381	\$2,943,141	\$262,528	\$1,381,878	\$2,567,432	\$7,750,360
<b>Storage</b>						
Number of Incidents	51	63	50	73	62	299
Dollar Loss	\$605,839	\$1,323,341	\$1,984,239	\$1,088,841	\$1,884,590	\$6,886,850
<b>Manufacturing and Processing</b>						
Number of Incidents	19	12	16	18	22	87
Dollar Loss	\$38,094	\$34,390	\$3,837,072	\$130,440	\$830,694	\$4,870,690
<b>Assembly</b>						
Number of Incidents	57	48	39	62	46	252
Dollar Loss	\$683,588	\$185,971	\$24,800	\$20,835	\$910,534	\$1,825,728
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	31	34	23	49	44	181
Dollar Loss	\$600,000	\$22,550	\$273,200	\$633,500	\$163,256	\$1,692,506
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	23	34	17	18	20	112
Dollar Loss	\$139,454	\$62,061	\$324,065	\$1,019,895	\$20,050	\$1,565,525
<b>None</b>						
Number of Incidents	27	19	32	32	30	140
Dollar Loss	\$100	\$40,400	\$16,150	\$12,424	\$80,749	\$149,823
<b>Other Property Uses</b>						
Number of Incidents	21	21	27	25	25	119
Dollar Loss	\$18,500	\$7,800	\$23,250	\$14,850	\$32,100	\$96,500
<b>Educational Uses</b>						
Number of Incidents	15	20	19	18	23	95
Dollar Loss	\$23,200	\$41,706	\$4,600	\$8,552	\$1,550	\$79,608
<b>Unknown</b>						
Number of Incidents	5	9	5	5	10	34
Dollar Loss	\$1,100	\$0	\$0	\$3,758	\$12,000	\$16,858
<b>Total Number of Incidents</b>	<b>2,358</b>	<b>2,253</b>	<b>2,062</b>	<b>2,718</b>	<b>2,627</b>	<b>12,018</b>
<b>Total Dollar Loss</b>	<b>\$18,267,439</b>	<b>\$16,221,354</b>	<b>\$22,984,092</b>	<b>\$24,778,234</b>	<b>\$39,754,212</b>	<b>\$122,005,331</b>

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

Over the past five years, 969 fire incidents in the **Functional Areas** of a building, resulting in more than \$27 million in property and content loss, have been reported by fire service agencies in Region 5. **Functional Areas** fires accounted for 8 percent of the five-year total and 22 percent of the dollar loss to property and contents.

Area of Origin by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Functional Areas</b>						
Number of Incidents	191	212	158	208	200	969
Dollar Loss	\$3,164,953	\$4,733,763	\$4,117,597	\$6,745,090	\$8,612,380	\$27,373,783
<b>Undetermined</b>						
Number of Incidents	254	215	238	396	309	1,412
Dollar Loss	\$4,067,151	\$1,731,728	\$2,464,256	\$4,118,495	\$6,764,918	\$19,146,548
<b>Structural Areas</b>						
Number of Incidents	67	85	74	96	85	407
Dollar Loss	\$2,440,740	\$3,103,906	\$2,660,229	\$3,440,344	\$4,533,955	\$16,179,174
<b>Storage Areas</b>						
Number of Incidents	74	87	87	98	109	455
Dollar Loss	\$2,102,301	\$2,499,116	\$2,501,120	\$2,446,636	\$5,713,868	\$15,263,041
<b>Vehicle Areas</b>						
Number of Incidents	291	305	268	325	322	1,511
Dollar Loss	\$1,641,866	\$1,181,549	\$1,591,619	\$2,577,869	\$3,869,873	\$10,862,776
<b>Outside Areas</b>						
Number of Incidents	824	650	602	729	577	3,382
Dollar Loss	\$1,455,734	\$994,359	\$2,723,864	\$1,281,175	\$3,364,387	\$9,819,519
<b>Areas of Groups of People (Assembly)</b>						
Number of Incidents	22	17	27	37	25	128
Dollar Loss	\$2,354,538	\$937,841	\$2,140,325	\$2,077,726	\$2,098,499	\$9,608,929
<b>Service or Equipment Areas</b>						
Number of Incidents	37	41	39	41	40	198
Dollar Loss	\$84,094	\$418,155	\$3,919,100	\$1,082,262	\$1,169,571	\$6,673,182
<b>Means of Egress/Exit Access/Exit Areas</b>						
Number of Incidents	18	8	12	15	14	67
Dollar Loss	\$282,448	\$32,750	\$294,159	\$630,165	\$2,704,384	\$3,943,906
<b>Other Areas of Origin</b>						
Number of Incidents	149	135	97	106	111	598
Dollar Loss	\$614,320	\$491,092	\$243,280	\$116,900	\$689,968	\$2,155,560
<b>Tehcnical Processing Areas</b>						
Number of Incidents	0	1	3	3	6	13
Dollar Loss	\$0	\$0	\$251,000	\$143,171	\$105,500	\$499,671
<b>(Blank)</b>						
Number of Incidents	431	497	457	664	829	2,878
Dollar Loss	\$59,294	\$97,095	\$77,543	\$118,401	\$126,909	\$479,242
<b>Total Number of Incidents</b>	<b>2,358</b>	<b>2,253</b>	<b>2,062</b>	<b>2,718</b>	<b>2,627</b>	<b>12,018</b>
<b>Total Dollar Loss</b>	<b>\$18,267,439</b>	<b>\$16,221,354</b>	<b>\$22,984,092</b>	<b>\$24,778,234</b>	<b>\$39,754,212</b>	<b>\$122,005,331</b>

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

Over the past five years, 4,299 fire incidents with a heat source of **Undetermined**, resulting in more than \$60 million in property and content loss, have been reported by fire service agencies in Region 5. Fires with an **Undetermined** heat source accounted for 36 percent of the five-year total and 49 percent of the dollar loss to property and contents.

Heat Source by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	891	797	722	1,049	840	4,299
Dollar Loss	\$11,366,079	\$6,348,156	\$12,305,821	\$8,793,875	\$21,608,492	\$60,422,423
<b>Operating Equipment</b>						
Number of Incidents	313	313	312	343	339	1,620
Dollar Loss	\$3,058,944	\$3,951,948	\$4,443,326	\$8,443,920	\$9,317,042	\$29,215,180
<b>Hot or Smoldering Object</b>						
Number of Incidents	284	228	198	235	171	1,116
Dollar Loss	\$1,171,112	\$3,374,576	\$2,039,260	\$1,146,712	\$3,348,241	\$11,079,901
<b>Open Flame or Smoking Material</b>						
Number of Incidents	181	169	167	221	239	977
Dollar Loss	\$930,704	\$1,046,052	\$2,956,822	\$2,635,228	\$3,207,498	\$10,776,304
<b>Heat Source Other</b>						
Number of Incidents	114	108	101	90	109	522
Dollar Loss	\$648,651	\$391,220	\$883,185	\$2,257,339	\$1,149,618	\$5,330,013
<b>Heat Spread from Another Fire</b>						
Number of Incidents	41	63	44	49	38	235
Dollar Loss	\$303,417	\$381,584	\$139,334	\$604,070	\$264,540	\$1,692,945
<b>Chemical or Natural</b>						
Number of Incidents	23	34	26	38	23	144
Dollar Loss	\$500,500	\$190,050	\$100,181	\$361,664	\$430,281	\$1,582,676
<b>Explosives and Fireworks</b>						
Number of Incidents	69	39	27	26	36	197
Dollar Loss	\$31,298	\$425,473	\$19,620	\$417,025	\$301,591	\$1,195,007
<b>(Blank)</b>						
Number of Incidents	431	497	457	664	829	2,878
Dollar Loss	\$59,294	\$97,095	\$77,543	\$118,401	\$126,909	\$479,242
<b>Multiple Heat Sources</b>						
Number of Incidents	11	5	8	3	3	30
Dollar Loss	\$197,440	\$15,200	\$19,000	\$0	\$0	\$231,640
<b>Total Number of Incidents</b>	<b>2,358</b>	<b>2,253</b>	<b>2,062</b>	<b>2,718</b>	<b>2,627</b>	<b>12,018</b>
<b>Total Dollar Loss</b>	<b>\$18,267,439</b>	<b>\$16,221,354</b>	<b>\$22,984,092</b>	<b>\$24,778,234</b>	<b>\$39,754,212</b>	<b>\$122,005,331</b>

Sources listed as **(Blank)** are incidents where a fire or wildland module was not required to be completed.

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

Over the past five years, 4,097 fire incidents with an **Unknown** cause of ignition, resulting in more than \$47 million in property and content loss, have been reported by fire service agencies in Region 5. **Unknown** ignition caused fires accounted for 34 percent of the five-year total and 39 percent of the dollar loss to property and content.

For definitions of each of the following categories, see the descriptions [listed earlier in this report](#).

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Unknown</b>						
Number of Incidents	705	727	662	944	1,059	4,097
Dollar Loss	\$8,717,845	\$5,554,160	\$9,353,742	\$8,285,619	\$15,984,571	\$47,895,937
<b>Other Unintentional, Careless</b>						
Number of Incidents	324	274	253	365	273	1,489
Dollar Loss	\$1,892,546	\$1,275,299	\$1,699,144	\$1,944,225	\$4,463,290	\$11,274,504
<b>Other heat</b>						
Number of Incidents	178	161	95	126	126	686
Dollar Loss	\$569,357	\$2,398,882	\$1,821,787	\$1,443,868	\$3,350,739	\$9,584,633
<b>Electrical Malfunction</b>						
Number of Incidents	71	96	93	101	93	454
Dollar Loss	\$847,895	\$1,409,300	\$1,630,605	\$1,557,349	\$3,085,876	\$8,531,025
<b>Intentional</b>						
Number of Incidents	322	287	288	427	437	1,761
Dollar Loss	\$475,356	\$617,471	\$2,261,833	\$2,037,934	\$1,925,639	\$7,318,233
<b>Cooking</b>						
Number of Incidents	175	183	178	180	172	888
Dollar Loss	\$624,819	\$786,541	\$1,264,749	\$1,898,498	\$2,497,372	\$7,071,979
<b>Equipment Misoperation, Failure</b>						
Number of Incidents	128	137	122	138	132	657
Dollar Loss	\$590,312	\$519,330	\$665,472	\$3,027,542	\$1,111,652	\$5,914,308
<b>Open Flame</b>						
Number of Incidents	155	93	110	138	89	585
Dollar Loss	\$1,252,434	\$1,242,597	\$742,485	\$1,130,872	\$1,385,550	\$5,753,938
<b>Appliances</b>						
Number of Incidents	23	29	38	26	31	147
Dollar Loss	\$494,054	\$456,916	\$1,087,792	\$1,257,453	\$1,882,142	\$5,178,357
<b>Smoking</b>						
Number of Incidents	43	43	46	56	44	232
Dollar Loss	\$380,951	\$625,244	\$1,353,876	\$630,478	\$1,046,838	\$4,037,387
<b>Heating</b>						
Number of Incidents	111	126	80	99	83	499
Dollar Loss	\$173,190	\$953,292	\$555,591	\$682,584	\$1,094,817	\$3,459,474

### Region 5 Fire Incidents by Cause of Ignition (continued)

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Natural</b>						
Number of Incidents	67	66	64	76	49	322
Dollar Loss	\$1,189,200	\$211,100	\$117,376	\$387,414	\$808,631	\$2,713,721
<b>Investigation with Arson Mod.</b>						
Number of Incidents	28	11	16	12	7	74
Dollar Loss	\$820,880	\$70,000	\$305,040	\$239,500	\$41,500	\$1,476,920
<b>Exposure</b>						
Number of Incidents	6	9	4	6	16	41
Dollar Loss	\$110,000	\$1,000	\$25,000	\$27,700	\$731,000	\$894,700
<b>Other Equipment</b>						
Number of Incidents	8	7	9	15	9	48
Dollar Loss	\$127,500	\$100,172	\$99,500	\$164,000	\$157,454	\$648,626
<b>Playing with Heat Source</b>						
Number of Incidents	14	4	4	9	7	38
Dollar Loss	\$1,100	\$50	\$100	\$63,198	\$187,141	\$251,589
<b>Total Number of Incidents</b>	<b>2,358</b>	<b>2,253</b>	<b>2,062</b>	<b>2,718</b>	<b>2,627</b>	<b>12,018</b>
<b>Total Dollar Loss</b>	<b>\$18,267,439</b>	<b>\$16,221,354</b>	<b>\$22,984,092</b>	<b>\$24,778,234</b>	<b>\$39,754,212</b>	<b>\$122,005,331</b>

## Region 5 Incidents by Reporting Agency

The following represents a breakdown of activity and property and contents loss as reported by individual agencies within Region 5.

REGION 5 2022 REPORTING SUMMARY							
% of Region Reporting = 67%		# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
<b>Clark</b>	<b>% of County Reporting = 100%</b>	<b>61,959</b>	<b>1</b>	<b>1,952</b>	<b>0</b>	<b>63,912</b>	<b>\$ 31,492,560</b>
06D01	East County Fire & Rescue	768	0	253	0	1,021	\$ 10,000
06D03	Clark #3, Brush Prairie	4,700	0	309	0	5,009	\$ 1,085,858
06D06	Clark #6, Hazel Dell	9,896	0	155	0	10,051	\$ 6,970,307
06D10	Clark #10, Amboy	1	0	0	0	1	\$ -
06D13	Clark #13, Yacolt	509	0	24	0	533	\$ -
06D15	Clark-Cowlitz Fire Rescue	5,274	0	100	0	5,374	\$ 8,217,307
06M02	Camas-Washougal Fire Dept	2,609	0	773	0	3,382	\$ 297,825
06M05	Vancouver Fire Department	38,202	1	338	0	38,541	\$ 14,911,263
<b>Cowlitz</b>	<b>% of County Reporting = 86%</b>	<b>15,018</b>	<b>18</b>	<b>682</b>	<b>0</b>	<b>15,718</b>	<b>\$ 6,710,410</b>
08D01	Cowlitz #1, Woodland	0	0	0	0	0	\$ -
08D02	Cowlitz #2, Cowlitz 2 Fire & Rescue	5,590	0	278	0	5,868	\$ 2,770,316
08D03	Cowlitz #3, Toutle	466	0	40	0	506	\$ 291,851
08D05	Cowlitz #5, Kalama	894	0	70	0	964	\$ 30,000
08D06	Cowlitz #6, Castle Rock	1,523	0	265	0	1,788	\$ 454,800
08D07	Cowlitz #7, Cowlitz-Skamania Fire Dist 7	27	0	0	0	27	\$ -
08M04	Longview Fire Dept	6,518	18	29	0	6,565	\$ 3,163,443
<b>Lewis</b>	<b>% of County Reporting = 75%</b>	<b>12,109</b>	<b>2</b>	<b>1,052</b>	<b>0</b>	<b>13,163</b>	<b>\$ 2,027,592</b>
21D01	Lewis #1, Onalaska	334	0	98	0	432	\$ -
21D02	Lewis #2, Toledo	616	0	161	0	777	\$ -
21D03	Lewis #3, Mossyrock	322	0	60	0	382	\$ -
21D04	Lewis #4, Morton	390	0	41	0	431	\$ -
21D05	Lewis #5, Napavine	902	0	125	0	1,027	\$ 754,500
21D06	Lewis #6, Chehalis	860	0	77	0	937	\$ 50,000
21D07	Lewis #20, Cowlitz Co - Lewis Co Fire Dist. 20	366	0	62	0	428	\$ -
21D08	Lewis #8, Salkum/Silver Creek	147	0	9	0	156	\$ -
21D09	Lewis #9, Mineral	47	0	7	0	54	\$ -
21D10	Lewis #10, Packwood	0	0	0	0	0	\$ -
21D11	Lewis #11, Pe Ell	0	0	0	0	0	\$ -
21D13	Lewis #13	96	0	23	0	119	\$ -
21D14	Lewis #14, Randle Fire & EMS	336	0	11	0	347	\$ 153,792
21D15	Lewis #15, Winlock	1,019	0	189	0	1,208	\$ -
21D16	Lewis #16, Doty/Dryad/Meskill	0	0	0	0	0	\$ -
21D17	Lewis #17, Big Creek	0	0	0	0	0	\$ -
21D18	Lewis #18, Glenoma	86	0	52	0	138	\$ -
21M01	Riverside Fire Authority	4,683	2	53	0	4,738	\$ 846,700
21M02	Chehalis Fire Dept	1,905	0	66	0	1,971	\$ 222,600
21M03	Morton Fire Dept	0	0	18	0	18	\$ -

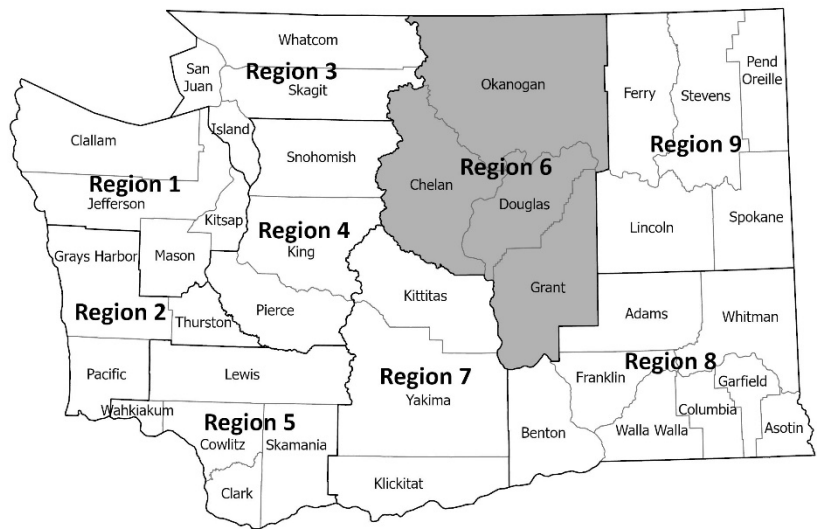
## REGION 5 2022 REPORTING SUMMARY (Continued)

% of Region Reporting = 67%		# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
<b>Skamania</b>	<b>% of County Reporting = 11%</b>	<b>22</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>28</b>	<b>\$ 63,300</b>
30D01	Skamania #1, Carson	0	0	0	0	0	\$ -
30D02	Skamania #2, Stevenson	0	0	0	0	0	\$ -
30D03	Skamania #3, Underwood	22	0	6	0	28	\$ 63,300
30D04	Skamania #4	0	0	0	0	0	\$ -
30D05	Skamania #5, Skamania	0	0	0	0	0	\$ -
30D06	Skamania #6	0	0	0	0	0	\$ -
30M01	North Bonneville Fire Dept	0	0	0	0	0	\$ -
30M02	Stevenson Fire Dept	0	0	0	0	0	\$ -
30S01	Mill-A Volunteers Fire Dept	0	0	0	0	0	\$ -
<b>Wahkiakum</b>	<b>% of County Reporting = 60%</b>	<b>22</b>	<b>0</b>	<b>35</b>	<b>2</b>	<b>59</b>	<b>\$ -</b>
35D01	Wahkiakum #1	14	0	8	1	23	\$ -
35D02	Wahkiakum #2, Skamokawa	0	0	4	0	4	\$ -
35D03	Wahkiakum #3	0	0	0	0	0	\$ -
35D04	Wahkiakum #4, Cathlamet	8	0	23	1	32	\$ -
35M01	Cathlamet Fire Dept	0	0	0	0	0	\$ -
<b>Grand Total</b>		<b>89,130</b>	<b>21</b>	<b>3,727</b>	<b>2</b>	<b>92,880</b>	<b>\$ 40,293,862</b>

Numbers for incidents, exposures, aid given, and No Activity Reports are all based on valid incident data only; invalid incidents or incidents that failed to properly import into the system are not included. # of Incidents is based on primary reports coded as Aid 1, 2, 5, or N

## Region 6

Region 6 is comprised of Chelan, Douglas, Grant, and Okanogan counties. In 2022, 65 percent 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	2018	2019	2020	2021	2022	5-Year Total
<b>Fire</b>						
Number of Incidents	1,275	1,292	1,408	1,470	1,437	6,882
Dollar Loss	\$6,873,675	\$17,824,482	\$5,477,403	\$11,062,626	\$14,464,815	\$55,703,001
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
Number of Incidents	40	50	37	33	36	196
Dollar Loss	\$10,000	\$1,650	\$0	\$0	\$0	\$11,650
<b>Rescue and Emergency Medical Service</b>						
Number of Incidents	7,083	8,054	9,175	10,290	10,584	45,186
Dollar Loss	\$951,300	\$302,700	\$1,150,700	\$402,999	\$361,250	\$3,168,949
<b>Hazardous Conditions (No Fire)</b>						
Number of Incidents	306	311	341	335	355	1,648
Dollar Loss	\$1,000	\$200	\$7,500	\$1,000	\$7,000	\$16,700
<b>Service Calls</b>						
Number of Incidents	487	469	617	600	797	2,970
Dollar Loss	\$400	\$0	\$500	\$0	\$500	\$1,400
<b>Good Intent Calls</b>						
Number of Incidents	1,597	1,831	2,019	2,135	2,078	9,660
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>False Alarms &amp; False Calls</b>						
Number of Incidents	1,002	1,145	1,174	1,245	1,296	5,862
Dollar Loss	\$0	\$0	\$0	\$5,000	\$0	\$5,000
<b>Severe Weather &amp; Natural Disaster</b>						
Number of Incidents	14	13	3	3	9	42
Dollar Loss	\$20,000	\$0	\$0	\$0	\$0	\$20,000
<b>Other Types of Incidents</b>						
Number of Incidents	27	30	38	43	32	170
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Undetermined</b>						
Number of Incidents	0	0	0	0	0	0
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>11,831</b>	<b>13,195</b>	<b>14,812</b>	<b>16,154</b>	<b>16,624</b>	<b>72,616</b>
<b>Total Dollar Loss</b>	<b>\$7,856,375</b>	<b>\$18,129,032</b>	<b>\$6,636,103</b>	<b>\$11,471,625</b>	<b>\$14,833,565</b>	<b>\$58,926,700</b>

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

Over the past five years, 6,882 fire incidents, resulting in over \$55 million in property and content loss, have been reported by fire service agencies in Region 6. **Structure Fires (including Confined Fires)** accounted for nearly 23 percent of the five-year total and 77 percent of the dollar loss to property and content.

Fire Incident Type Categories	2018	2019	2020	2021	2022	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	256	319	308	332	353	1,568
Dollar Loss	\$4,467,100	\$16,759,637	\$4,750,383	\$6,605,368	\$10,383,505	\$42,965,993
<b>Vehicle Fires</b>						
Number of Incidents	148	158	192	229	225	952
Dollar Loss	\$591,750	\$833,500	\$539,900	\$540,000	\$2,206,600	\$4,711,750
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	26	42	21	39	46	174
Dollar Loss	\$66,000	\$82,750	\$63,500	\$1,256,500	\$1,050,500	\$2,519,250
<b>Natural Vegetation Fires</b>						
Number of Incidents	574	478	598	558	492	2,700
Dollar Loss	\$1,415,125	\$57,200	\$71,900	\$727,008	\$63,800	\$2,335,033
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	37	43	60	45	34	219
Dollar Loss	\$172,500	\$35,050	\$26,020	\$1,513,000	\$450,400	\$2,196,970
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	46	47	28	30	46	197
Dollar Loss	\$120,000	\$40,025	\$0	\$300,000	\$160,000	\$620,025
<b>Fire, Other</b>						
Number of Incidents	42	60	58	68	56	284
Dollar Loss	\$39,800	\$7,700	\$22,250	\$105,000	\$142,760	\$317,510
<b>Outside Rubbish Fires</b>						
Number of Incidents	146	145	143	169	185	788
Dollar Loss	\$1,400	\$8,620	\$3,450	\$15,750	\$7,250	\$36,470
<b>Total Number of Incidents</b>	<b>1,275</b>	<b>1,292</b>	<b>1,408</b>	<b>1,470</b>	<b>1,437</b>	<b>6,882</b>
<b>Total Dollar Loss</b>	<b>\$6,873,675</b>	<b>\$17,824,482</b>	<b>\$5,477,403</b>	<b>\$11,062,626</b>	<b>\$14,464,815</b>	<b>\$55,703,001</b>

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

Over the past five years, 1,568 structure fire incidents, resulting in more than \$42 million in property and content loss, have been reported by fire service agencies in Region 6. **Building Fires** accounted for 58 percent of the five-year total and 99 percent of the dollar loss to property and content.

Structure Fires (Including confined fires)	2018	2019	2020	2021	2022	5-Year Total
<b>Building fires</b>						
Number of Incidents	159	191	170	189	197	906
Dollar Loss	\$4,465,800	\$16,753,387	\$4,690,148	\$6,384,018	\$10,287,305	\$42,580,658
<b>Fires in structures other than in a building</b>						
Number of Incidents	9	7	19	18	20	73
Dollar Loss	\$1,000	\$200	\$50,500	\$206,000	\$87,000	\$344,700
<b>Cooking fire, confined to container</b>						
Number of Incidents	41	55	51	32	50	229
Dollar Loss	\$0	\$5,050	\$9,735	\$15,100	\$4,200	\$34,085
<b>Chimney or flue fire, confined to chimney or flue</b>						
Number of Incidents	21	30	28	41	25	145
Dollar Loss	\$0	\$1,000	\$0	\$0	\$5,000	\$6,000
<b>Trash or rubbish fire, contained</b>						
Number of Incidents	25	35	39	50	55	204
Dollar Loss	\$300	\$0	\$0	\$250	\$0	\$550
<b>Incinerator overload or malfunction, fire confined</b>						
Number of Incidents	0	0	0	1	1	2
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Commercial Compactor fire, confined to rubbish</b>						
Number of Incidents	0	0	0	0	2	2
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Fuel burner/boiler malfunction, fire confined</b>						
Number of Incidents	1	1	1	1	3	7
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>256</b>	<b>319</b>	<b>308</b>	<b>332</b>	<b>353</b>	<b>1,568</b>
<b>Total Dollar Loss</b>	<b>\$4,467,100</b>	<b>\$16,759,637</b>	<b>\$4,750,383</b>	<b>\$6,605,368</b>	<b>\$10,383,505</b>	<b>\$42,965,993</b>

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

Over the past five years, 2,072 fire incidents in **Residential** properties, resulting in more than \$22 million in property and content loss, have been reported by fire service agencies in Region 6. **Residential** fires accounted for 30 percent of the five-year total and 40 percent of the dollar loss to property and content.

Fires by Property Use	2018	2019	2020	2021	2022	5-Year Total
<b>Residential</b>						
Number of Incidents	347	379	417	468	461	2,072
Dollar Loss	\$1,972,600	\$4,008,787	\$2,651,855	\$4,214,118	\$9,310,165	\$22,157,525
<b>Manufacturing and Processing</b>						
Number of Incidents	11	10	9	13	17	60
Dollar Loss	\$20,000	\$12,035,000	\$617,500	\$78,000	\$1,810,000	\$14,560,500
<b>Storage</b>						
Number of Incidents	43	50	43	45	46	227
Dollar Loss	\$384,300	\$790,200	\$324,350	\$4,631,300	\$635,500	\$6,765,650
<b>Outside or Special Properties</b>						
Number of Incidents	718	690	740	780	693	3,621
Dollar Loss	\$2,158,175	\$351,145	\$710,720	\$1,708,508	\$341,350	\$5,269,898
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	77	86	94	73	103	433
Dollar Loss	\$20,200	\$45,000	\$188,900	\$18,000	\$2,241,000	\$2,513,100
<b>Assembly</b>						
Number of Incidents	24	16	13	26	31	110
Dollar Loss	\$2,046,000	\$0	\$52,500	\$158,200	\$46,000	\$2,302,700
<b>Mercantile and Business</b>						
Number of Incidents	23	18	32	31	42	146
Dollar Loss	\$218,000	\$114,000	\$644,778	\$241,000	\$48,600	\$1,266,378
<b>None</b>						
Number of Incidents	5	6	2	1	0	14
Dollar Loss	\$18,000	\$470,400	\$1,800	\$8,000	\$0	\$498,200
<b>Other Property Uses</b>						
Number of Incidents	6	18	26	13	14	77
Dollar Loss	\$0	\$0	\$255,000	\$0	\$0	\$255,000
<b>Unknown</b>						
Number of Incidents	12	11	22	18	22	85
Dollar Loss	\$0	\$4,500	\$26,000	\$5,500	\$32,200	\$68,200
<b>Educational Uses</b>						
Number of Incidents	6	6	4	1	7	24
Dollar Loss	\$36,400	\$1,250	\$4,000	\$0	\$0	\$41,650
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	3	2	6	1	1	13
Dollar Loss	\$0	\$4,200	\$0	\$0	\$0	\$4,200
<b>Total Number of Incidents</b>	<b>1,275</b>	<b>1,292</b>	<b>1,408</b>	<b>1,470</b>	<b>1,437</b>	<b>6,882</b>
<b>Total Dollar Loss</b>	<b>\$6,873,675</b>	<b>\$17,824,482</b>	<b>\$5,477,403</b>	<b>\$11,062,626</b>	<b>\$14,464,815</b>	<b>\$55,703,001</b>

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

Over the past five years, 301 fire incidents in the **Structural Areas** of a building, resulting in more than \$17 million in property and content loss, have been reported by fire service agencies in Region 6. **Structural Areas** fires accounted for 4 percent of the five-year total and 31 percent of the dollar loss to property and content.

Area of Origin by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Structural Areas</b>						
Number of Incidents	46	70	60	72	53	301
Dollar Loss	\$549,000	\$12,663,250	\$1,115,500	\$1,426,696	\$1,383,200	\$17,137,646
<b>Undetermined</b>						
Number of Incidents	162	155	193	219	258	987
Dollar Loss	\$272,400	\$276,800	\$2,290,966	\$3,652,950	\$5,851,100	\$12,344,216
<b>Functional Areas</b>						
Number of Incidents	91	84	81	81	97	434
Dollar Loss	\$2,733,100	\$851,550	\$373,402	\$3,465,822	\$1,599,050	\$9,022,924
<b>Storage Areas</b>						
Number of Incidents	27	50	41	37	47	202
Dollar Loss	\$250,300	\$2,969,937	\$317,000	\$178,500	\$769,700	\$4,485,437
<b>Vehicle Areas</b>						
Number of Incidents	125	132	131	185	165	738
Dollar Loss	\$1,258,350	\$770,650	\$439,650	\$357,500	\$833,100	\$3,659,250
<b>Outside Areas</b>						
Number of Incidents	590	517	562	601	475	2,745
Dollar Loss	\$503,600	\$119,850	\$421,000	\$873,400	\$518,900	\$2,436,750
<b>(Blank)</b>						
Number of Incidents	158	199	228	175	237	997
Dollar Loss	\$1,052,900	\$57,695	\$38,735	\$756,858	\$58,850	\$1,965,038
<b>Tehcnical Processing Areas</b>						
Number of Incidents	5	4	2	4	6	21
Dollar Loss	\$0	\$0	\$150,000	\$83,000	\$1,660,000	\$1,893,000
<b>Areas of Groups of People (Assembly)</b>						
Number of Incidents	6	5	8	6	10	35
Dollar Loss	\$207,500	\$50,050	\$45,280	\$175,000	\$610,000	\$1,087,830
<b>Service or Equipment Areas</b>						
Number of Incidents	30	29	29	30	37	155
Dollar Loss	\$42,025	\$2,200	\$14,500	\$34,500	\$974,165	\$1,067,390
<b>Other Areas of Origin</b>						
Number of Incidents	33	40	66	48	45	232
Dollar Loss	\$4,500	\$2,500	\$271,170	\$57,000	\$1,500	\$336,670
<b>Means of Egress/Exit Access/Exit Areas</b>						
Number of Incidents	2	7	7	12	7	35
Dollar Loss	\$0	\$60,000	\$200	\$1,400	\$205,250	\$266,850
<b>Total Number of Incidents</b>	<b>1,275</b>	<b>1,292</b>	<b>1,408</b>	<b>1,470</b>	<b>1,437</b>	<b>6,882</b>
<b>Total Dollar Loss</b>	<b>\$6,873,675</b>	<b>\$17,824,482</b>	<b>\$5,477,403</b>	<b>\$11,062,626</b>	<b>\$14,464,815</b>	<b>\$55,703,001</b>

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

Over the past five years, 3,039 fire incidents with a heat source of **Undetermined**, resulting in more than \$34 million in property and content loss, have been reported by fire service agencies in Region 6. Fires with an **Undetermined** heat source accounted for 44 percent of the five-year total and 61 percent of the dollar loss to property and content.

Heat Source by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	556	509	581	711	682	3,039
Dollar Loss	\$2,171,050	\$14,185,537	\$2,403,718	\$5,495,596	\$9,926,900	\$34,182,801
<b>Operating Equipment</b>						
Number of Incidents	168	192	190	193	194	937
Dollar Loss	\$2,806,925	\$992,300	\$1,153,030	\$801,572	\$2,615,105	\$8,368,932
<b>Hot or Smoldering Object</b>						
Number of Incidents	86	100	106	106	100	498
Dollar Loss	\$348,500	\$113,550	\$1,526,120	\$3,267,000	\$1,302,060	\$6,557,230
<b>Chemical or Natural</b>						
Number of Incidents	35	57	25	31	30	178
Dollar Loss	\$142,500	\$1,750,000	\$2,500	\$0	\$294,400	\$2,189,400
<b>(Blank)</b>						
Number of Incidents	158	199	228	175	237	997
Dollar Loss	\$1,052,900	\$57,695	\$38,735	\$756,858	\$58,850	\$1,965,038
<b>Heat Spread from Another Fire</b>						
Number of Incidents	75	54	74	69	43	315
Dollar Loss	\$142,500	\$194,500	\$280,500	\$623,500	\$104,000	\$1,345,000
<b>Heat Source Other</b>						
Number of Incidents	46	51	63	53	38	251
Dollar Loss	\$5,000	\$511,700	\$36,000	\$100	\$52,000	\$604,800
<b>Open Flame or Smoking Material</b>						
Number of Incidents	133	114	102	116	101	566
Dollar Loss	\$174,300	\$17,200	\$36,800	\$118,000	\$51,500	\$397,800
<b>Multiple Heat Sources</b>						
Number of Incidents	1	0	4	1	2	8
Dollar Loss	\$0	\$0	\$0	\$0	\$60,000	\$60,000
<b>Explosives and Fireworks</b>						
Number of Incidents	17	16	35	15	10	93
Dollar Loss	\$30,000	\$2,000	\$0	\$0	\$0	\$32,000
<b>Total Number of Incidents</b>	<b>1,275</b>	<b>1,292</b>	<b>1,408</b>	<b>1,470</b>	<b>1,437</b>	<b>6,882</b>
<b>Total Dollar Loss</b>	<b>\$6,873,675</b>	<b>\$17,824,482</b>	<b>\$5,477,403</b>	<b>\$11,062,626</b>	<b>\$14,464,815</b>	<b>\$55,703,001</b>

Sources listed as **(Blank)** are incidents where a fire or wildland module was not required to be completed.

## Region 6 Fire Incidents by Cause of Ignition (Five-year total sorted by dollar loss)

Over the past five years, 2,289 fire incidents with an **Unknown** cause of ignition, resulting in more than \$24 million in property and content loss, have been reported by fire service agencies in Region 6. **Unknown** ignition caused fires accounted for 33 percent of the five-year total and 43 percent of the dollar loss to property and content.

For definitions of each of the following categories, see the descriptions [listed earlier in this report](#).

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Unknown</b>						
Number of Incidents	398	404	479	494	514	2,289
Dollar Loss	\$2,639,150	\$13,026,095	\$876,902	\$3,611,254	\$4,044,950	\$24,198,351
<b>Other Unintentional, Careless</b>						
Number of Incidents	220	187	226	253	213	1,099
Dollar Loss	\$288,800	\$945,800	\$320,350	\$1,501,700	\$4,552,100	\$7,608,750
<b>Investigation with Arson Mod.</b>						
Number of Incidents	15	13	16	23	19	86
Dollar Loss	\$0	\$608,487	\$1,333,466	\$164,622	\$1,555,000	\$3,661,575
<b>Intentional</b>						
Number of Incidents	173	158	164	200	212	907
Dollar Loss	\$201,800	\$55,500	\$362,000	\$2,801,000	\$80,500	\$3,500,800
<b>Equipment Misoperation, Failure</b>						
Number of Incidents	67	65	70	74	76	352
Dollar Loss	\$732,600	\$314,000	\$407,250	\$386,000	\$749,000	\$2,588,850
<b>Electrical Malfunction</b>						
Number of Incidents	62	84	91	72	89	398
Dollar Loss	\$231,800	\$336,950	\$514,480	\$41,250	\$1,325,200	\$2,449,680
<b>Natural</b>						
Number of Incidents	76	78	61	70	60	345
Dollar Loss	\$142,525	\$1,750,000	\$22,500	\$10,000	\$471,000	\$2,396,025
<b>Cooking</b>						
Number of Incidents	48	51	51	40	58	248
Dollar Loss	\$2,051,000	\$35,300	\$19,735	\$126,600	\$12,450	\$2,245,085
<b>Open Flame</b>						
Number of Incidents	74	75	87	82	67	385
Dollar Loss	\$38,500	\$3,500	\$1,415,300	\$459,250	\$305,950	\$2,222,500
<b>Exposure</b>						
Number of Incidents	10	6	4	8	3	31
Dollar Loss	\$6,500	\$0	\$0	\$1,676,500	\$0	\$1,683,000
<b>Other heat</b>						
Number of Incidents	56	64	72	58	56	306
Dollar Loss	\$422,500	\$9,000	\$119,420	\$120,750	\$979,510	\$1,651,180

### Region 6 Fire Incidents by Cause of Ignition (continued)

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Heating</b>						
Number of Incidents	37	54	44	56	41	232
Dollar Loss	\$47,000	\$456,700	\$13,500	\$21,700	\$308,155	\$847,055
<b>Other Equipment</b>						
Number of Incidents	6	15	8	8	4	41
Dollar Loss	\$0	\$225,250	\$62,500	\$43,000	\$0	\$330,750
<b>Appliances</b>						
Number of Incidents	15	18	10	15	10	68
Dollar Loss	\$11,500	\$55,700	\$8,500	\$99,000	\$79,500	\$254,200
<b>Smoking</b>						
Number of Incidents	12	15	13	13	12	65
Dollar Loss	\$60,000	\$2,200	\$1,500	\$0	\$1,500	\$65,200
<b>Playing with Heat Source</b>						
Number of Incidents	6	5	12	4	3	30
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>1,275</b>	<b>1,292</b>	<b>1,408</b>	<b>1,470</b>	<b>1,437</b>	<b>6,882</b>
<b>Total Dollar Loss</b>	<b>\$6,873,675</b>	<b>\$17,824,482</b>	<b>\$5,477,403</b>	<b>\$11,062,626</b>	<b>\$14,464,815</b>	<b>\$55,703,001</b>

## Region 6 Incidents by Reporting Agency

The following represents a breakdown of activity and property and contents loss as reported by individual agencies within Region 6.

REGION 6 2022 REPORTING SUMMARY							
	% of Region Reporting = 65%	# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
<b>Chelan</b>	<b>% of County Reporting = 78%</b>	<b>6,952</b>	<b>0</b>	<b>670</b>	<b>0</b>	<b>7,622</b>	<b>\$ 537,500</b>
04D01	Wenatchee Valley Fire Department	3,846	0	323	0	4,169	\$ 401,500
04D03	Chelan #3, Leavenworth	618	0	88	0	706	\$ -
04D05	Chelan #5, Manson	341	0	144	0	485	\$ 25,000
04D06	Chelan #6, Monitor/Dryden/Cashmere/Peshastin/Blewett Pass	561	0	62	0	623	\$ -
04D07	Chelan #7, Chelan Fire & Rescue	1,053	0	29	0	1,082	\$ 8,500
04D08	Chelan #8, Entiat	268	0	10	0	278	\$ 2,500
04D09	Chelan #9, Lake Wenatchee Fire & Rescue	265	0	14	0	279	\$ 100,000
04D10	Chelan #10, Stehekin	0	0	0	0	0	\$ -
04M01	Cashmere Fire Dept	0	0	0	0	0	\$ -
<b>Douglas</b>	<b>% of County Reporting = 67%</b>	<b>1,682</b>	<b>0</b>	<b>282</b>	<b>1</b>	<b>1,965</b>	<b>\$ 2,475,000</b>
09D01	Douglas #1, Waterville	73	0	10	1	84	\$ -
09D02	Douglas #2, E. Wenatchee/Rock Island	1,332	0	250	0	1,582	\$ -
09D03	Douglas #3	0	0	0	0	0	\$ -
09D04	Douglas #4, Orondo	167	0	18	0	185	\$ 2,445,000
09D05	Douglas #5	110	0	4	0	114	\$ 30,000
09M01	Bridgeport Fire Dept	0	0	0	0	0	\$ -
<b>Grant</b>	<b>% of County Reporting = 76%</b>	<b>6,638</b>	<b>0</b>	<b>544</b>	<b>3</b>	<b>7,185</b>	<b>\$ 4,953,815</b>
13D03	Grant #3, Quincy	1,133	0	8	0	1,141	\$ -
13D04	Grant #4, Warden	461	0	0	0	461	\$ -
13D05	Grant #5, Moses Lake	1,465	0	38	0	1,503	\$ -
13D06	Grant #6, Hartline	0	0	0	0	0	\$ -
13D07	Grant #7	153	0	331	0	484	\$ 66,000
13D08	Grant #8	661	0	35	0	696	\$ 2,103,155
13D10	Grant #10, Royal Slope Fire Rescue & EMS	424	0	17	0	441	\$ 57,000
13D12	Grant #12, Wilson Creek	0	0	0	0	0	\$ -
13D13	Grant #13, Ephrata	104	0	30	0	134	\$ -
13D14	Grant #14	0	0	0	0	0	\$ -
13D15	Grant #15, Moses Lake	0	0	0	0	0	\$ -
13M01	Coulee City/Douglas #8	6	0	19	1	26	\$ 27,000
13M03	Electric City Fire Dept	15	0	15	0	30	\$ -
13M04	Ephrata Fire Dept	452	0	26	0	478	\$ -
13M05	Grand Coulee Fire Dept	40	0	7	2	49	\$ 150,000
13M08	Moses Lake Fire Department	1,683	0	16	0	1,699	\$ 2,540,660
17S02	Port of Moses Lake Fire Dept	41	0	2	0	43	\$ 10,000

REGION 6 2022 REPORTING SUMMARY (Continued)							
% of Region Reporting = 65%		# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
Okanogan	% of County Reporting = 50%	1,352	1	167	0	1,520	\$ 6,867,250
24D02	Okanogan #2, Elmer City	107	0	1	0	108	\$ -
24D03	Okanogan #3	206	0	34	0	240	\$ 1,354,700
24D04	Okanogan #4, Tonasket	248	1	3	0	252	\$ 354,100
24D06	Okanogan #6, Carlton/Twisp/Winthrop/Mazama	135	0	2	0	137	\$ 4,031,400
24D07	Okanogan #7, Riverside	0	0	1	0	1	\$ -
24D08	Okanogan #8, Okanogan	0	0	1	0	1	\$ -
24D09	Okanogan #9	0	0	1	0	1	\$ -
24D10	Okanogan #10, Loomis	0	0	0	0	0	\$ -
24D11	Okanogan #11, Molson/Chesaw	0	0	0	0	0	\$ -
24D12	Okanogan #12	0	0	0	0	0	\$ -
24D15	Okanogan/Douglas #15	464	0	59	0	523	\$ -
24D16	Okanogan #16, Aeneas Valley	0	0	0	0	0	\$ -
24M00	Brewster Fire Dept	0	0	0	0	0	\$ -
24M01	Coulee Dam Fire Dept	0	0	0	0	0	\$ -
24M03	Nespelem Fire Dept	0	0	0	0	0	\$ -
24M04	Okanogan Fire Dept	59	0	48	0	107	\$ 776,700
24M05	Omak Fire Dept	133	0	17	0	150	\$ 350,350
24M06	Okanogan #1, Oroville Fire Dept	0	0	0	0	0	\$ -
24M07	Pateros Fire Dept	0	0	0	0	0	\$ -
24M11	Conconully Fire Dept	0	0	0	0	0	\$ -
Grand Total		16,624	1	1,663	4	18,292	\$ 14,833,565

Numbers for incidents, exposures, aid given, and No Activity Reports are all based on valid incident data only; invalid incidents or incidents that failed to properly import into the system are not included. # of Incidents is based on primary reports coded as Aid 1, 2, 5, or N

## Region 7

Region 7 is comprised of Kittitas, Klickitat, and Yakima counties. In 2022, 69 percent 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	2018	2019	2020	2021	2022	5-Year Total
<b>Fire</b>						
Number of Incidents	1,847	1,610	1,726	1,931	1,723	8,837
Dollar Loss	\$19,353,459	\$18,145,678	\$15,375,856	\$27,049,390	\$23,701,016	\$103,625,399
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
Number of Incidents	27	29	34	34	29	153
Dollar Loss	\$1,000	\$150	\$1,100	\$0	\$0	\$2,250
<b>Rescue and Emergency Medical Service</b>						
Number of Incidents	19,501	20,473	22,017	27,083	22,623	111,697
Dollar Loss	\$119,600	\$142,000	\$298,100	\$53,500	\$14,800	\$628,000
<b>Hazardous Conditions (No Fire)</b>						
Number of Incidents	493	513	598	516	530	2,650
Dollar Loss	\$9,770	\$65,220	\$50,240	\$1,000	\$9,500	\$135,730
<b>Service Calls</b>						
Number of Incidents	1,930	1,807	1,875	1,873	1,816	9,301
Dollar Loss	\$12,750	\$123,000	\$7,000	\$2,300	\$555,000	\$700,050
<b>Good Intent Calls</b>						
Number of Incidents	3,505	3,271	3,529	1,788	1,405	13,498
Dollar Loss	\$0	\$6,100	\$400	\$3,000	\$3,000	\$12,500
<b>False Alarms &amp; False Calls</b>						
Number of Incidents	1,340	1,466	1,427	1,579	1,483	7,295
Dollar Loss	\$0	\$0	\$1,200	\$12,000	\$90,000	\$103,200
<b>Severe Weather &amp; Natural Disaster</b>						
Number of Incidents	4	18	25	11	7	65
Dollar Loss	\$0	\$0	\$500	\$0	\$0	\$500
<b>Other Types of Incidents</b>						
Number of Incidents	116	82	86	65	91	440
Dollar Loss	\$200	\$0	\$0	\$0	\$0	\$200
<b>Undetermined</b>						
Number of Incidents	0	0	0	0	0	0
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>28,763</b>	<b>29,269</b>	<b>31,317</b>	<b>34,880</b>	<b>29,707</b>	<b>153,936</b>
<b>Total Dollar Loss</b>	<b>\$19,496,779</b>	<b>\$18,482,148</b>	<b>\$15,734,396</b>	<b>\$27,121,190</b>	<b>\$24,373,316</b>	<b>\$105,207,829</b>

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

Over the past five years, 8,837 fire incidents, resulting in more than \$103 million in property and content loss, have been reported by fire service agencies in Region 7. **Structure Fires (including Confined Fires)** accounted for 29 percent of the five-year total and nearly 78 percent of the dollar loss to property and contents.

Fire Incident Type Categories	2018	2019	2020	2021	2022	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	545	473	457	572	521	2,568
Dollar Loss	\$14,333,590	\$14,949,020	\$11,215,505	\$22,933,100	\$17,125,105	\$80,556,320
<b>Vehicle Fires</b>						
Number of Incidents	251	264	254	321	274	1,364
Dollar Loss	\$1,654,000	\$2,004,171	\$1,683,971	\$2,695,900	\$1,584,201	\$9,622,243
<b>Natural Vegetation Fires</b>						
Number of Incidents	650	517	613	596	545	2,921
Dollar Loss	\$1,174,889	\$489,900	\$1,535,726	\$243,500	\$1,897,950	\$5,341,965
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	66	65	89	76	76	372
Dollar Loss	\$1,046,155	\$143,250	\$451,400	\$136,650	\$2,490,890	\$4,268,345
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	29	17	24	20	17	107
Dollar Loss	\$724,380	\$342,800	\$190,000	\$911,215	\$334,000	\$2,502,395
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	18	16	30	30	23	117
Dollar Loss	\$281,050	\$37,700	\$105,539	\$69,900	\$187,000	\$681,189
<b>Fire, Other</b>						
Number of Incidents	140	105	103	121	100	569
Dollar Loss	\$127,310	\$169,101	\$80,680	\$32,275	\$18,170	\$427,536
<b>Outside Rubbish Fires</b>						
Number of Incidents	148	153	156	195	167	819
Dollar Loss	\$12,085	\$9,736	\$113,035	\$26,850	\$63,700	\$225,406
<b>Total Number of Incidents</b>	<b>1,847</b>	<b>1,610</b>	<b>1,726</b>	<b>1,931</b>	<b>1,723</b>	<b>8,837</b>
<b>Total Dollar Loss</b>	<b>\$19,353,459</b>	<b>\$18,145,678</b>	<b>\$15,375,856</b>	<b>\$27,049,390</b>	<b>\$23,701,016</b>	<b>\$103,625,399</b>

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

Over the past five years, 2,568 structure fire incidents, resulting in more than \$80 million in property and content loss, have been reported by fire service agencies in Region 7. **Building Fires** accounted for 56 percent of the five-year total and 99 percent of the dollar loss to property and contents.

Structure Fires (Including confined fires)	2018	2019	2020	2021	2022	5-Year Total
<b>Building fires</b>						
Number of Incidents	290	291	262	305	285	1,433
Dollar Loss	\$14,261,940	\$14,889,145	\$11,136,350	\$22,747,400	\$17,080,350	\$80,115,185
<b>Fires in structures other than in a building</b>						
Number of Incidents	11	13	13	19	18	74
Dollar Loss	\$8,350	\$44,100	\$59,450	\$170,300	\$19,850	\$302,050
<b>Cooking fire, confined to container</b>						
Number of Incidents	93	64	84	89	65	395
Dollar Loss	\$42,605	\$11,000	\$8,600	\$7,305	\$9,355	\$78,865
<b>Chimney or flue fire, confined to chimney or flue</b>						
Number of Incidents	36	24	24	25	31	140
Dollar Loss	\$7,000	\$1,500	\$6,400	\$2,000	\$11,400	\$28,300
<b>Trash or rubbish fire, contained</b>						
Number of Incidents	106	71	70	132	117	496
Dollar Loss	\$1,695	\$2,775	\$4,055	\$6,095	\$4,150	\$18,770
<b>Commercial Compactor fire, confined to rubbish</b>						
Number of Incidents	7	2	2	0	1	12
Dollar Loss	\$12,000	\$0	\$0	\$0	\$0	\$12,000
<b>Fuel burner/boiler malfunction, fire confined</b>						
Number of Incidents	1	6	2	2	4	15
Dollar Loss	\$0	\$500	\$650	\$0	\$0	\$1,150
<b>Incinerator overload or malfunction, fire confined</b>						
Number of Incidents	1	2	0	0	0	3
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>545</b>	<b>473</b>	<b>457</b>	<b>572</b>	<b>521</b>	<b>2,568</b>
<b>Total Dollar Loss</b>	<b>\$14,333,590</b>	<b>\$14,949,020</b>	<b>\$11,215,505</b>	<b>\$22,933,100</b>	<b>\$17,125,105</b>	<b>\$80,556,320</b>

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

Over the past five years, 2,941 fire incidents in **Residential** properties, resulting in more than \$53 million in property and content loss, have been reported by fire service agencies in Region 7. **Residential** fires accounted for 33 percent of the five-year total and 51 percent of the dollar loss to property and content.

Fires by Property Use	2018	2019	2020	2021	2022	5-Year Total
<b>Residential</b>						
Number of Incidents	625	502	597	632	585	2,941
Dollar Loss	\$10,723,244	\$7,671,291	\$7,820,469	\$17,538,180	\$9,278,296	\$53,031,480
<b>Storage</b>						
Number of Incidents	64	68	44	67	63	306
Dollar Loss	\$2,111,600	\$6,144,080	\$1,045,150	\$2,054,300	\$5,061,650	\$16,416,780
<b>Outside or Special Properties</b>						
Number of Incidents	913	867	926	994	902	4,602
Dollar Loss	\$1,908,565	\$1,894,112	\$2,823,101	\$2,220,390	\$3,175,820	\$12,021,988
<b>Manufacturing and Processing</b>						
Number of Incidents	16	22	18	17	9	82
Dollar Loss	\$2,949,500	\$1,447,000	\$350,300	\$2,584,500	\$207,000	\$7,538,300
<b>Mercantile and Business</b>						
Number of Incidents	41	52	34	58	49	234
Dollar Loss	\$129,000	\$258,050	\$1,737,800	\$1,142,120	\$2,868,400	\$6,135,370
<b>Assembly</b>						
Number of Incidents	45	23	25	45	35	173
Dollar Loss	\$1,091,760	\$168,700	\$1,112,980	\$23,275	\$2,459,400	\$4,856,115
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	43	41	53	61	52	250
Dollar Loss	\$408,350	\$319,395	\$357,856	\$1,005,925	\$647,950	\$2,739,476
<b>Other Property Uses</b>						
Number of Incidents	18	10	10	32	14	84
Dollar Loss	\$21,000	\$0	\$1,100	\$476,200	\$2,000	\$500,300
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	8	12	7	7	5	39
Dollar Loss	\$9,500	\$241,000	\$2,000	\$0	\$500	\$253,000
<b>Educational Uses</b>						
Number of Incidents	13	8	4	6	5	36
Dollar Loss	\$940	\$2,050	\$125,100	\$0	\$0	\$128,090
<b>None</b>						
Number of Incidents	60	2	4	3	0	69
Dollar Loss	\$0	\$0	\$0	\$4,500	\$0	\$4,500
<b>Unknown</b>						
Number of Incidents	1	3	4	9	4	21
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>1,847</b>	<b>1,610</b>	<b>1,726</b>	<b>1,931</b>	<b>1,723</b>	<b>8,837</b>
<b>Total Dollar Loss</b>	<b>\$19,353,459</b>	<b>\$18,145,678</b>	<b>\$15,375,856</b>	<b>\$27,049,390</b>	<b>\$23,701,016</b>	<b>\$103,625,399</b>

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

Over the past five years, the area of origin was **Undetermined** in 1,248 fire incidents, resulting in more than \$23 million in property and content loss, have been reported by fire service agencies in Region 7. Fires with **Undetermined** areas of origin accounted for 14 percent of the five-year incident total, and represents 23 percent of the dollar loss to property and contents.

Area of Origin by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	228	178	195	330	317	1,248
Dollar Loss	\$1,763,020	\$3,669,043	\$3,162,920	\$5,366,565	\$10,018,400	\$23,979,948
<b>Structural Areas</b>						
Number of Incidents	76	104	98	80	87	445
Dollar Loss	\$1,227,150	\$4,018,640	\$4,255,650	\$2,047,650	\$4,258,140	\$15,807,230
<b>Outside Areas</b>						
Number of Incidents	728	620	758	768	670	3,544
Dollar Loss	\$2,403,580	\$3,095,236	\$2,357,096	\$5,372,070	\$2,360,850	\$15,588,832
<b>Functional Areas</b>						
Number of Incidents	156	148	142	156	118	720
Dollar Loss	\$2,420,640	\$2,360,045	\$1,933,730	\$2,864,855	\$2,369,805	\$11,949,075
<b>Storage Areas</b>						
Number of Incidents	63	65	62	71	68	329
Dollar Loss	\$1,600,700	\$1,674,710	\$1,339,790	\$5,283,200	\$1,937,000	\$11,835,400
<b>Vehicle Areas</b>						
Number of Incidents	218	228	198	252	206	1,102
Dollar Loss	\$1,440,550	\$1,846,879	\$1,211,351	\$2,239,800	\$1,382,351	\$8,120,931
<b>Service or Equipment Areas</b>						
Number of Incidents	41	41	34	45	32	193
Dollar Loss	\$6,426,000	\$416,700	\$98,300	\$351,600	\$69,400	\$7,362,000
<b>Means of Egress/Exit Access/Exit Areas</b>						
Number of Incidents	10	9	7	17	20	63
Dollar Loss	\$61,200	\$393,925	\$1,939	\$1,079,500	\$695,150	\$2,231,714
<b>Areas of Groups of People (Assembly)</b>						
Number of Incidents	12	11	12	20	17	72
Dollar Loss	\$409,000	\$94,000	\$207,030	\$1,052,600	\$429,520	\$2,192,150
<b>(Blank)</b>						
Number of Incidents	186	121	105	83	102	597
Dollar Loss	\$1,027,154	\$419,500	\$514,000	\$3,500	\$63,500	\$2,027,654
<b>Other Areas of Origin</b>						
Number of Incidents	127	81	113	107	86	514
Dollar Loss	\$554,465	\$42,000	\$229,050	\$348,050	\$116,900	\$1,290,465
<b>Tehcnical Processing Areas</b>						
Number of Incidents	2	4	2	2	0	10
Dollar Loss	\$20,000	\$115,000	\$65,000	\$1,040,000	\$0	\$1,240,000
<b>Total Number of Incidents</b>	<b>1,847</b>	<b>1,610</b>	<b>1,726</b>	<b>1,931</b>	<b>1,723</b>	<b>8,837</b>
<b>Total Dollar Loss</b>	<b>\$19,353,459</b>	<b>\$18,145,678</b>	<b>\$15,375,856</b>	<b>\$27,049,390</b>	<b>\$23,701,016</b>	<b>\$103,625,399</b>

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

Over the past five years, 4,337 fire incidents with a heat source of **Undetermined**, resulting in more than \$64 million in property and content loss, have been reported by fire service agencies in Region 7. Fires with an **Undetermined** accounted for 49 percent of the five-year total and 62 percent of the dollar loss to property and content.

Heat Source by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	877	704	820	1,010	926	4,337
Dollar Loss	\$10,509,785	\$9,909,206	\$9,342,786	\$17,675,960	\$16,922,090	\$64,359,827
<b>Operating Equipment</b>						
Number of Incidents	254	265	252	286	231	1,288
Dollar Loss	\$1,948,760	\$4,554,470	\$1,224,800	\$3,552,380	\$1,102,151	\$12,382,561
<b>Open Flame or Smoking Material</b>						
Number of Incidents	156	166	163	148	121	754
Dollar Loss	\$3,799,905	\$1,037,625	\$1,035,030	\$1,973,000	\$3,013,150	\$10,858,710
<b>Hot or Smoldering Object</b>						
Number of Incidents	136	117	143	152	127	675
Dollar Loss	\$1,253,890	\$366,002	\$2,111,800	\$894,150	\$588,250	\$5,214,092
<b>Heat Source Other</b>						
Number of Incidents	109	84	120	112	106	531
Dollar Loss	\$483,715	\$535,500	\$576,400	\$2,096,600	\$1,055,820	\$4,748,035
<b>(Blank)</b>						
Number of Incidents	186	121	105	83	102	597
Dollar Loss	\$1,027,154	\$419,500	\$514,000	\$3,500	\$63,500	\$2,027,654
<b>Heat Spread from Another Fire</b>						
Number of Incidents	70	50	75	73	57	325
Dollar Loss	\$167,800	\$132,115	\$500,800	\$637,800	\$555,255	\$1,993,770
<b>Chemical or Natural</b>						
Number of Incidents	14	37	19	26	16	112
Dollar Loss	\$34,050	\$1,016,210	\$19,600	\$124,500	\$132,600	\$1,326,960
<b>Explosives and Fireworks</b>						
Number of Incidents	43	64	28	39	32	206
Dollar Loss	\$124,400	\$69,550	\$50,640	\$49,500	\$268,200	\$562,290
<b>Multiple Heat Sources</b>						
Number of Incidents	2	2	1	2	5	12
Dollar Loss	\$4,000	\$105,500	\$0	\$42,000	\$0	\$151,500
<b>Total Number of Incidents</b>	<b>1,847</b>	<b>1,610</b>	<b>1,726</b>	<b>1,931</b>	<b>1,723</b>	<b>8,837</b>
<b>Total Dollar Loss</b>	<b>\$19,353,459</b>	<b>\$18,145,678</b>	<b>\$15,375,856</b>	<b>\$27,049,390</b>	<b>\$23,701,016</b>	<b>\$103,625,399</b>

Sources listed as **(Blank)** are incidents where a fire or wildland module was not required to be completed.

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

Over the past five years, 2,504 fire incidents with an **Unknown** cause of ignition, resulting in more than \$36 million in property and content loss, have been reported by fire service agencies in Region 7. **Unknown** ignition caused fires accounted for 28 percent of the five-year total and 35 percent of the dollar loss to property and content.

For definitions of each of the following categories, see the descriptions [listed earlier in this report](#).

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Unknown</b>						
Number of Incidents	545	424	504	552	479	2,504
Dollar Loss	\$7,790,145	\$6,946,977	\$5,603,315	\$8,714,445	\$7,300,690	\$36,355,572
<b>Investigation with Arson Mod.</b>						
Number of Incidents	38	38	29	28	29	162
Dollar Loss	\$4,363,905	\$977,450	\$2,592,020	\$1,632,950	\$6,107,900	\$15,674,225
<b>Other Unintentional, Careless</b>						
Number of Incidents	293	190	247	259	246	1,235
Dollar Loss	\$1,708,250	\$1,297,244	\$1,976,501	\$8,234,925	\$2,178,150	\$15,395,070
<b>Equipment Misoperation, Failure</b>						
Number of Incidents	94	101	93	118	97	503
Dollar Loss	\$568,010	\$3,056,450	\$567,050	\$2,056,950	\$677,750	\$6,926,210
<b>Other heat</b>						
Number of Incidents	97	95	94	89	74	449
Dollar Loss	\$716,040	\$557,002	\$706,800	\$863,500	\$2,381,000	\$5,224,342
<b>Intentional</b>						
Number of Incidents	298	281	253	340	347	1,519
Dollar Loss	\$531,905	\$804,550	\$1,275,864	\$1,121,500	\$1,007,850	\$4,741,669
<b>Electrical Malfunction</b>						
Number of Incidents	93	115	80	90	94	472
Dollar Loss	\$1,029,900	\$987,810	\$771,000	\$776,700	\$576,041	\$4,141,451
<b>Open Flame</b>						
Number of Incidents	106	101	126	123	85	541
Dollar Loss	\$419,350	\$831,930	\$112,300	\$698,650	\$1,641,730	\$3,703,960
<b>Exposure</b>						
Number of Incidents	28	10	14	23	22	97
Dollar Loss	\$1,105,689	\$15,000	\$1,016,700	\$430,700	\$180,300	\$2,748,389
<b>Natural</b>						
Number of Incidents	50	78	107	90	70	395
Dollar Loss	\$57,450	\$1,053,210	\$177,156	\$257,140	\$819,100	\$2,364,056
<b>Heating</b>						
Number of Incidents	52	65	51	59	64	291
Dollar Loss	\$323,500	\$1,086,080	\$157,850	\$293,675	\$260,600	\$2,121,705

**Region 7 Fire Incidents by Cause of Ignition (continued)**

<b>Cause Category</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>5-Year Total</b>
<b>Cooking</b>						
Number of Incidents	100	63	88	96	64	411
Dollar Loss	\$530,565	\$390,900	\$186,600	\$169,055	\$40,355	\$1,317,475
<b>Appliances</b>						
Number of Incidents	17	10	14	24	12	77
Dollar Loss	\$37,350	\$13,400	\$57,500	\$816,700	\$261,000	\$1,185,950
<b>Smoking</b>						
Number of Incidents	12	20	15	21	17	85
Dollar Loss	\$0	\$5,875	\$28,700	\$772,500	\$223,050	\$1,030,125
<b>Playing with Heat Source</b>						
Number of Incidents	18	12	7	9	9	55
Dollar Loss	\$70,400	\$100,100	\$140,000	\$45,500	\$16,500	\$372,500
<b>Other Equipment</b>						
Number of Incidents	6	7	4	10	14	41
Dollar Loss	\$101,000	\$21,700	\$6,500	\$164,500	\$29,000	\$322,700
<b>Total Number of Incidents</b>	<b>1,847</b>	<b>1,610</b>	<b>1,726</b>	<b>1,931</b>	<b>1,723</b>	<b>8,837</b>
<b>Total Dollar Loss</b>	<b>\$19,353,459</b>	<b>\$18,145,678</b>	<b>\$15,375,856</b>	<b>\$27,049,390</b>	<b>\$23,701,016</b>	<b>\$103,625,399</b>

## Region 7 Incidents by Reporting Agency

The following represents a breakdown of activity and property and contents loss as reported by individual agencies within Region 7.

REGION 7 2022 REPORTING SUMMARY							
% of Region Reporting = 69%		# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
Kittitas	% of County Reporting = 78%	6,276	0	194	1	6,471	\$ 1,628,800
19D01	Kittitas #1, Thorp	240	0	9	0	249	\$ -
19D02	Kittitas #2, Kittitas Valley Fire & Rescue	4,336	0	9	1	4,346	\$ 1,558,800
19D03	Kittitas #3, Easton	0	0	0	0	0	\$ -
19D04	Kittitas #4, Vantage	0	0	0	0	0	\$ -
19D06	Kittitas #6, Lake Cle Elum	123	0	63	0	186	\$ -
19D07	Kittitas #7	724	0	32	0	756	\$ 70,000
19M01	Cle Elum Fire Dept	602	0	29	0	631	\$ -
19M04	Roslyn Fire Dept	178	0	40	0	218	\$ -
19M05	S. Cle Elum	73	0	12	0	85	\$ -
Klickitat	% of County Reporting = 33%	722	0	185	0	907	\$ 192,020
20D01	Klickitat #1, Trout Lake	0	0	0	0	0	\$ -
20D02	Klickitat #2, Bickleton	0	0	0	0	0	\$ -
20D03	Klickitat #3	134	0	63	0	197	\$ 24,000
20D04	Klickitat #4, Lyle	131	0	34	0	165	\$ -
20D05	Klickitat #5, Centerville	0	0	0	0	0	\$ -
20D06	Klickitat #6, Dallesport	0	0	0	0	0	\$ -
20D07	Klickitat #7, Goldendale	245	0	6	0	251	\$ 168,020
20D08	Klickitat #8, Glenwood	0	0	0	0	0	\$ -
20D09	Klickitat #9, Roosevelt	0	0	0	0	0	\$ -
20D10	Klickitat #10, Alderdale	0	0	0	0	0	\$ -
20D11	Klickitat #11, Wishram	0	0	0	0	0	\$ -
20D12	Klickitat #12, Klickitat	0	0	0	0	0	\$ -
20D13	Klickitat #13, Appleton	0	0	0	0	0	\$ -
20D14	Klickitat #14, High Prairie	0	0	2	0	2	\$ -
20D15	Klickitat #15, Wahkiacus	0	0	0	0	0	\$ -
20M01	Bingen Fire Dept	0	0	0	0	0	\$ -
20M02	Goldendale Fire Dept	173	0	12	0	185	\$ -
20M03	White Salmon Fire Dept	39	0	68	0	107	\$ -

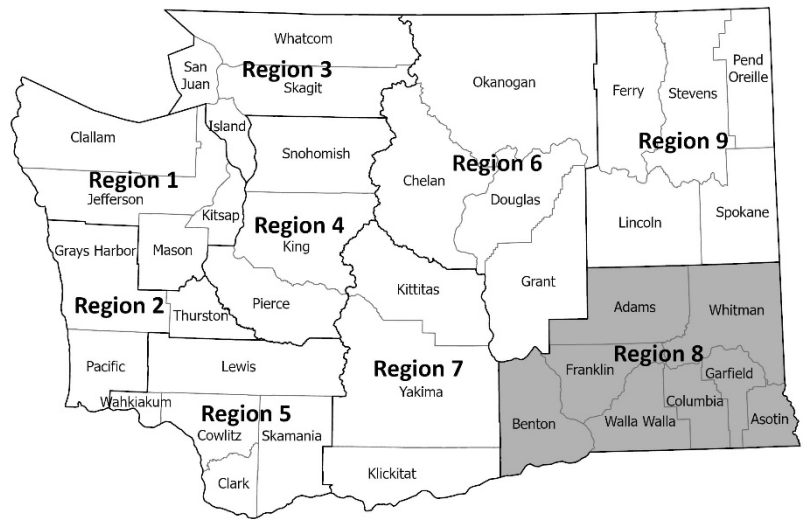
## REGION 7 2022 REPORTING SUMMARY (Continued)

% of Region Reporting = 69%		# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
<b>Yakima</b>	<b>% of County Reporting = 100%</b>	<b>22,709</b>	<b>14</b>	<b>694</b>	<b>11</b>	<b>23,428</b>	<b>\$ 22,552,496</b>
39D01	Yakima #1, Cowiche	279	0	21	0	300	\$ 65,300
39D02	Yakima #2, Selah	1,725	0	24	1	1,750	\$ 665,000
39D03	Yakima #3, Naches	355	0	42	0	397	\$ 184,100
39D04	Yakima #4, East Valley	1,619	0	23	0	1,642	\$ 30,500
39D05	Yakima #5, Zillah	3,118	3	62	0	3,183	\$ 5,085,150
39D06	Yakima #6, Gleeed	410	0	44	1	455	\$ -
39D07	Yakima #7, Glade	8	0	0	9	17	\$ -
39D09	Yakima #9, Naches Heights	94	0	10	0	104	\$ 76,800
39D12	Yakima #12, West Valley	1,035	0	46	0	1,081	\$ 435,150
39D14	Yakima #14, Nile/Cliffdell	3	0	0	0	3	\$ -
39M01	Grandview Fire Department	824	9	39	0	872	\$ 5,150,800
39M02	Granger Fire Department	226	0	7	0	233	\$ -
39M03	Mabton Fire Department	107	0	39	0	146	\$ 131,500
39M06	Sunnyside Fire Department	1,326	0	67	0	1,393	\$ -
39M08	Toppenish Fire Department	1,016	2	246	0	1,264	\$ 703,600
39M10	Wapato Fire Dept	255	0	2	0	257	\$ 80,500
39M11	Yakima Fire Dept	9,997	0	13	0	10,010	\$ 9,724,096
39M12	Zillah Fire Dept	312	0	9	0	321	\$ 220,000
<b>Grand Total</b>		<b>29,707</b>	<b>14</b>	<b>1,073</b>	<b>12</b>	<b>30,806</b>	<b>\$ 24,373,316</b>

Numbers for incidents, exposures, aid given, and No Activity Reports are all based on valid incident data only; invalid incidents or incidents that failed to properly import into the system are not included. # of Incidents is based on primary reports coded as Aid 1, 2, 5, or N

## Region 8

Region 8 is comprised of Adams, Asotin, Benton, Columbia, Garfield, Franklin, Walla Walla, and Whitman counties. In 2022, 49 percent 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	2018	2019	2020	2021	2022	5-Year Total
<b>Fire</b>						
Number of Incidents	1,615	1,386	1,544	1,634	1,541	7,720
Dollar Loss	\$20,326,361	\$16,109,788	\$16,653,754	\$21,427,456	\$24,296,736	\$98,814,095
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
Number of Incidents	33	45	47	60	51	236
Dollar Loss	\$130,000	\$1,515	\$14,825	\$2,750	\$2,114	\$151,204
<b>Rescue and Emergency Medical Service</b>						
Number of Incidents	22,001	23,604	24,677	29,634	32,331	132,247
Dollar Loss	\$8,000	\$89,000	\$169,200	\$128,100	\$531,250	\$925,550
<b>Hazardous Conditions (No Fire)</b>						
Number of Incidents	597	628	654	720	778	3,377
Dollar Loss	\$2,300	\$10,000	\$8,810	\$85,750	\$153,700	\$260,560
<b>Service Calls</b>						
Number of Incidents	2,369	2,398	3,042	3,608	4,583	16,000
Dollar Loss	\$16,500	\$25,000	\$2,000	\$102	\$20,000	\$63,602
<b>Good Intent Calls</b>						
Number of Incidents	3,084	4,004	4,205	4,734	6,193	22,220
Dollar Loss	\$3,000	\$220,000	\$41,000	\$0	\$1,100	\$265,100
<b>False Alarms &amp; False Calls</b>						
Number of Incidents	2,855	2,941	2,737	2,988	3,251	14,772
Dollar Loss	\$0	\$0	\$16	\$2,000	\$35,000	\$37,016
<b>Severe Weather &amp; Natural Disaster</b>						
Number of Incidents	6	19	19	9	30	83
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Other Types of Incidents</b>						
Number of Incidents	86	77	74	52	54	343
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Undetermined</b>						
Number of Incidents	2	0	0	0	0	2
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>32,648</b>	<b>35,102</b>	<b>36,999</b>	<b>43,439</b>	<b>48,812</b>	<b>197,000</b>
<b>Total Dollar Loss</b>	<b>\$20,486,161</b>	<b>\$16,455,303</b>	<b>\$16,889,605</b>	<b>\$21,646,158</b>	<b>\$25,039,900</b>	<b>\$100,517,127</b>

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

Over the past five years, 7,720 fire incidents, resulting in more than \$98 million in property and content loss, have been reported by fire service agencies in Region 8. **Structure Fires (including Confined Fires)** accounted for nearly 27 percent of the five-year total and 76 percent of the dollar loss to property and contents.

Fire Incident Type Categories	2018	2019	2020	2021	2022	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	443	447	410	421	384	2,105
Dollar Loss	\$15,673,124	\$13,587,044	\$9,351,979	\$17,605,821	\$19,119,105	\$75,337,073
<b>Vehicle Fires</b>						
Number of Incidents	247	237	249	244	280	1,257
Dollar Loss	\$2,015,501	\$1,579,793	\$4,236,605	\$2,470,772	\$4,081,537	\$14,384,208
<b>Natural Vegetation Fires</b>						
Number of Incidents	555	403	525	500	458	2,441
Dollar Loss	\$2,386,951	\$512,773	\$2,285,472	\$295,552	\$485,077	\$5,965,825
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	14	19	21	21	21	96
Dollar Loss	\$109,300	\$250,800	\$315,208	\$294,600	\$198,650	\$1,168,558
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	52	45	48	62	45	252
Dollar Loss	\$110,915	\$43,700	\$18,001	\$494,602	\$150,410	\$817,628
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	31	28	29	35	25	148
Dollar Loss	\$2,000	\$110,821	\$417,400	\$92,500	\$18,300	\$641,021
<b>Outside Rubbish Fires</b>						
Number of Incidents	217	158	208	267	252	1,102
Dollar Loss	\$25,775	\$19,357	\$28,787	\$31,509	\$207,657	\$313,085
<b>Fire, Other</b>						
Number of Incidents	56	49	54	84	76	319
Dollar Loss	\$2,795	\$5,500	\$302	\$142,100	\$36,000	\$186,697
<b>Total Number of Incidents</b>	<b>1,615</b>	<b>1,386</b>	<b>1,544</b>	<b>1,634</b>	<b>1,541</b>	<b>7,720</b>
<b>Total Dollar Loss</b>	<b>\$20,326,361</b>	<b>\$16,109,788</b>	<b>\$16,653,754</b>	<b>\$21,427,456</b>	<b>\$24,296,736</b>	<b>\$98,814,095</b>

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

Over the past five years, 2,105 structure fire incidents, resulting in more than \$75 million in property and content loss, have been reported by fire service agencies in Region 8. **Building Fires** accounted for 58 percent of the five-year total and 99 percent of the dollar loss to property and contents.

<b>Structure Fires (Including confined fires)</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>5-Year Total</b>
<b>Building fires</b>						
Number of Incidents	233	234	223	264	261	1,215
Dollar Loss	\$15,402,584	\$13,425,508	\$9,285,010	\$17,575,724	\$19,063,547	\$74,752,373
<b>Fires in structures other than in a building</b>						
Number of Incidents	19	18	23	15	16	91
Dollar Loss	\$239,100	\$123,860	\$41,549	\$15,272	\$15,850	\$435,631
<b>Cooking fire, confined to container</b>						
Number of Incidents	131	115	108	96	72	522
Dollar Loss	\$29,395	\$30,868	\$19,720	\$11,769	\$28,258	\$120,010
<b>Chimney or flue fire, confined to chimney or flue</b>						
Number of Incidents	10	19	15	13	12	69
Dollar Loss	\$200	\$65	\$5,000	\$0	\$5,000	\$10,265
<b>Trash or rubbish fire, contained</b>						
Number of Incidents	47	52	39	31	21	190
Dollar Loss	\$1,845	\$1,893	\$700	\$3,056	\$2,200	\$9,694
<b>Fuel burner/boiler malfunction, fire confined</b>						
Number of Incidents	3	8	2	1	1	15
Dollar Loss	\$0	\$4,850	\$0	\$0	\$4,250	\$9,100
<b>Commercial Compactor fire, confined to rubbish</b>						
Number of Incidents	0	0	0	1	1	2
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Incinerator overload or malfunction, fire confined</b>						
Number of Incidents	0	1	0	0	0	1
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>443</b>	<b>447</b>	<b>410</b>	<b>421</b>	<b>384</b>	<b>2,105</b>
<b>Total Dollar Loss</b>	<b>\$15,673,124</b>	<b>\$13,587,044</b>	<b>\$9,351,979</b>	<b>\$17,605,821</b>	<b>\$19,119,105</b>	<b>\$75,337,073</b>

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

Over the past five years, 2,741 fire incidents in **Residential** properties, resulting in more than \$53 million in property and content loss, have been reported by fire service agencies in Region 8. **Residential** fires accounted for 35 percent of the five-year total and 54 percent of the dollar loss to property and contents.

Fires by Property Use	2018	2019	2020	2021	2022	5-Year Total
<b>Residential</b>						
Number of Incidents	621	513	551	529	527	2,741
Dollar Loss	\$8,865,413	\$8,230,036	\$10,322,798	\$11,910,798	\$13,788,154	\$53,117,199
<b>Outside or Special Properties</b>						
Number of Incidents	790	653	789	857	780	3,869
Dollar Loss	\$3,858,524	\$2,019,655	\$4,238,741	\$2,235,413	\$4,211,811	\$16,564,144
<b>Mercantile and Business</b>						
Number of Incidents	35	40	27	60	55	217
Dollar Loss	\$4,198,010	\$621,732	\$225,400	\$2,426,519	\$1,778,252	\$9,249,913
<b>Storage</b>						
Number of Incidents	50	52	55	54	67	278
Dollar Loss	\$3,235,427	\$416,950	\$707,304	\$1,984,599	\$2,876,412	\$9,220,692
<b>Manufacturing and Processing</b>						
Number of Incidents	6	10	5	10	6	37
Dollar Loss	\$0	\$4,600,000	\$500	\$6,200	\$2,500	\$4,609,200
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	49	57	54	49	51	260
Dollar Loss	\$37,000	\$34,821	\$1,025,510	\$850,000	\$1,537,250	\$3,484,581
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	10	7	10	15	6	48
Dollar Loss	\$10,575	\$33,570	\$22,700	\$1,172,050	\$20,120	\$1,259,015
<b>None</b>						
Number of Incidents	5	11	18	12	11	57
Dollar Loss	\$20,000	\$101,503	\$45,951	\$382,000	\$51,225	\$600,679
<b>Assembly</b>						
Number of Incidents	29	27	15	28	16	115
Dollar Loss	\$22,910	\$27,350	\$60,250	\$458,677	\$10,012	\$579,199
<b>Educational Uses</b>						
Number of Incidents	11	10	6	5	10	42
Dollar Loss	\$71,500	\$24,171	\$4,600	\$1,200	\$11,000	\$112,471
<b>Other Property Uses</b>						
Number of Incidents	8	6	13	14	10	51
Dollar Loss	\$7,002	\$0	\$0	\$0	\$10,000	\$17,002
<b>Unknown</b>						
Number of Incidents	1	0	1	1	2	5
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>1,615</b>	<b>1,386</b>	<b>1,544</b>	<b>1,634</b>	<b>1,541</b>	<b>7,720</b>
<b>Total Dollar Loss</b>	<b>\$20,326,361</b>	<b>\$16,109,788</b>	<b>\$16,653,754</b>	<b>\$21,427,456</b>	<b>\$24,296,736</b>	<b>\$98,814,095</b>

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

Over the past five years, the area of origin was **Undetermined** in 454 fire incidents, resulting in more than \$14 million in property and content loss, have been reported by fire service agencies in Region 8. Fires with **Undetermined** areas of origin accounted for 6 percent of the five-year incident total, and represents 15 percent of the dollar loss to property and contents.

Area of Origin by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	82	74	88	115	95	454
Dollar Loss	\$2,755,383	\$1,790,530	\$1,707,626	\$5,766,662	\$2,841,295	\$14,861,496
<b>Storage Areas</b>						
Number of Incidents	45	56	39	54	66	260
Dollar Loss	\$1,106,550	\$3,152,625	\$1,949,250	\$2,409,647	\$6,078,772	\$14,696,844
<b>Vehicle Areas</b>						
Number of Incidents	216	213	212	214	233	1,088
Dollar Loss	\$1,844,801	\$1,698,643	\$4,100,854	\$2,881,072	\$3,585,587	\$14,110,957
<b>Structural Areas</b>						
Number of Incidents	80	61	52	74	65	332
Dollar Loss	\$5,206,286	\$1,487,400	\$668,749	\$3,988,220	\$2,184,685	\$13,535,340
<b>Functional Areas</b>						
Number of Incidents	130	100	112	106	127	575
Dollar Loss	\$1,423,415	\$1,885,002	\$3,592,258	\$2,421,236	\$3,759,745	\$13,081,656
<b>Areas of Groups of People (Assembly)</b>						
Number of Incidents	16	16	15	24	15	86
Dollar Loss	\$4,578,000	\$504,851	\$632,000	\$1,091,374	\$2,801,050	\$9,607,275
<b>Outside Areas</b>						
Number of Incidents	479	279	313	287	249	1,607
Dollar Loss	\$910,047	\$1,483,590	\$3,817,074	\$517,914	\$1,896,332	\$8,624,957
<b>Other Areas of Origin</b>						
Number of Incidents	42	31	40	36	33	182
Dollar Loss	\$35,695	\$3,571,500	\$303	\$16,265	\$330,400	\$3,954,163
<b>(Blank)</b>						
Number of Incidents	492	529	642	692	624	2,979
Dollar Loss	\$2,203,584	\$150,027	\$74,790	\$212,986	\$519,990	\$3,161,377
<b>Means of Egress/Exit Access/Exit Areas</b>						
Number of Incidents	12	4	6	13	9	44
Dollar Loss	\$157,100	\$42,100	\$67,250	\$2,002,870	\$21,110	\$2,290,430
<b>Service or Equipment Areas</b>						
Number of Incidents	16	21	23	17	23	100
Dollar Loss	\$103,500	\$318,520	\$43,600	\$113,200	\$275,270	\$854,090
<b>Tehcnical Processing Areas</b>						
Number of Incidents	5	2	2	2	2	13
Dollar Loss	\$2,000	\$25,000	\$0	\$6,010	\$2,500	\$35,510
<b>Total Number of Incidents</b>	<b>1,615</b>	<b>1,386</b>	<b>1,544</b>	<b>1,634</b>	<b>1,541</b>	<b>7,720</b>
<b>Total Dollar Loss</b>	<b>\$20,326,361</b>	<b>\$16,109,788</b>	<b>\$16,653,754</b>	<b>\$21,427,456</b>	<b>\$24,296,736</b>	<b>\$98,814,095</b>

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

Over the past five years, 1,686 fire incidents with a heat source of **Undetermined**, resulting in more than \$42 million in property and content loss, have been reported by fire service agencies in Region 8. Fires with an **Undetermined** heat source accounted for 22 percent of the five-year total and 43 percent of the dollar loss to property and contents.

Heat Source by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	375	283	312	384	332	1,686
Dollar Loss	\$4,906,278	\$9,529,745	\$6,856,611	\$9,809,294	\$11,480,120	\$42,582,048
<b>Operating Equipment</b>						
Number of Incidents	287	267	243	227	249	1,273
Dollar Loss	\$2,335,435	\$3,293,926	\$5,315,210	\$3,295,019	\$4,564,767	\$18,804,357
<b>Heat Spread from Another Fire</b>						
Number of Incidents	89	41	57	44	53	284
Dollar Loss	\$4,960,411	\$494,000	\$1,502,552	\$1,820,569	\$1,548,465	\$10,325,997
<b>Open Flame or Smoking Material</b>						
Number of Incidents	119	73	93	76	78	439
Dollar Loss	\$4,744,901	\$785,865	\$1,155,550	\$1,190,744	\$547,585	\$8,424,645
<b>Hot or Smoldering Object</b>						
Number of Incidents	92	73	84	76	87	412
Dollar Loss	\$646,000	\$763,650	\$604,250	\$2,795,074	\$3,080,065	\$7,889,039
<b>(Blank)</b>						
Number of Incidents	492	529	642	692	624	2,979
Dollar Loss	\$2,203,584	\$150,027	\$74,790	\$212,986	\$519,990	\$3,161,377
<b>Heat Source Other</b>						
Number of Incidents	82	68	56	77	50	333
Dollar Loss	\$269,952	\$416,175	\$769,900	\$529,200	\$781,944	\$2,767,171
<b>Chemical or Natural</b>						
Number of Incidents	23	21	15	21	27	107
Dollar Loss	\$154,700	\$237,500	\$140,051	\$210,200	\$1,633,100	\$2,375,551
<b>Explosives and Fireworks</b>						
Number of Incidents	54	31	40	34	27	186
Dollar Loss	\$95,100	\$438,900	\$234,840	\$857,400	\$90,200	\$1,716,440
<b>Multiple Heat Sources</b>						
Number of Incidents	2	0	2	3	14	21
Dollar Loss	\$10,000	\$0	\$0	\$706,970	\$50,500	\$767,470
<b>Total Number of Incidents</b>	<b>1,615</b>	<b>1,386</b>	<b>1,544</b>	<b>1,634</b>	<b>1,541</b>	<b>7,720</b>
<b>Total Dollar Loss</b>	<b>\$20,326,361</b>	<b>\$16,109,788</b>	<b>\$16,653,754</b>	<b>\$21,427,456</b>	<b>\$24,296,736</b>	<b>\$98,814,095</b>

Sources listed as **(Blank)** are incidents where a fire or wildland module was not required to be completed.

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

Over the past five years, 3,180 fire incidents with an **Unknown** cause of ignition, resulting in more than \$28 million in property and content loss, have been reported by fire service agencies in Region 8. **Unknown** ignition caused fires accounted for 41 percent of the five-year total and 29 percent of the dollar loss to property and contents.

For definitions of each of the following categories, see the descriptions [listed earlier in this report](#).

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Unknown</b>						
Number of Incidents	569	555	662	728	666	3,180
Dollar Loss	\$5,793,419	\$7,169,936	\$3,057,630	\$4,419,254	\$8,330,309	\$28,770,548
<b>Other Unintentional, Careless</b>						
Number of Incidents	145	129	134	179	173	760
Dollar Loss	\$824,310	\$1,694,153	\$3,833,224	\$4,145,567	\$4,012,690	\$14,509,944
<b>Exposure</b>						
Number of Incidents	82	21	31	27	47	208
Dollar Loss	\$5,056,111	\$630,850	\$1,516,800	\$2,508,970	\$1,219,490	\$10,932,221
<b>Intentional</b>						
Number of Incidents	138	89	140	159	128	654
Dollar Loss	\$4,220,050	\$204,629	\$802,729	\$2,763,894	\$727,675	\$8,718,977
<b>Equipment Misoperation, Failure</b>						
Number of Incidents	96	110	94	100	110	510
Dollar Loss	\$650,870	\$1,092,202	\$2,260,258	\$1,502,117	\$2,141,307	\$7,646,754
<b>Electrical Malfunction</b>						
Number of Incidents	99	105	100	85	84	473
Dollar Loss	\$621,505	\$1,351,313	\$2,660,300	\$1,772,902	\$1,065,812	\$7,471,832
<b>Other heat</b>						
Number of Incidents	101	63	90	64	66	384
Dollar Loss	\$409,800	\$111,400	\$740,740	\$2,027,450	\$2,495,660	\$5,785,050
<b>Open Flame</b>						
Number of Incidents	79	43	59	54	57	292
Dollar Loss	\$628,801	\$819,600	\$909,350	\$712,432	\$725,995	\$3,796,178
<b>Natural</b>						
Number of Incidents	50	44	47	44	47	232
Dollar Loss	\$166,700	\$362,000	\$148,551	\$79,800	\$1,757,600	\$2,514,651
<b>Heating</b>						
Number of Incidents	36	40	29	25	29	159
Dollar Loss	\$405,050	\$354,215	\$71,600	\$73,950	\$839,250	\$1,744,065
<b>Investigation with Arson Mod.</b>						
Number of Incidents	17	8	3	6	7	41
Dollar Loss	\$702,800	\$369,000	\$40,000	\$371,000	\$197,145	\$1,679,945

### Region 8 Fire Incidents by Cause of Ignition (continued)

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Appliances</b>						
Number of Incidents	20	13	9	17	12	71
Dollar Loss	\$201,200	\$619,702	\$214,500	\$150,900	\$263,425	\$1,449,727
<b>Smoking</b>						
Number of Incidents	23	20	14	21	19	97
Dollar Loss	\$16,900	\$533,580	\$30,600	\$517,720	\$280,010	\$1,378,810
<b>Cooking</b>						
Number of Incidents	146	133	118	116	84	597
Dollar Loss	\$426,345	\$287,508	\$73,472	\$297,450	\$144,268	\$1,229,043
<b>Playing with Heat Source</b>						
Number of Incidents	10	7	8	6	6	37
Dollar Loss	\$202,500	\$420,000	\$146,500	\$54,050	\$100	\$823,150
<b>Other Equipment</b>						
Number of Incidents	4	6	6	3	6	25
Dollar Loss	\$0	\$89,700	\$147,500	\$30,000	\$96,000	\$363,200
<b>Total Number of Incidents</b>	<b>1,615</b>	<b>1,386</b>	<b>1,544</b>	<b>1,634</b>	<b>1,541</b>	<b>7,720</b>
<b>Total Dollar Loss</b>	<b>\$20,326,361</b>	<b>\$16,109,788</b>	<b>\$16,653,754</b>	<b>\$21,427,456</b>	<b>\$24,296,736</b>	<b>\$98,814,095</b>

## Region 8 Incidents by Reporting Agency

The following represents a breakdown of activity and property and contents loss as reported by individual agencies within Region 8.

REGION 8 2022 REPORTING SUMMARY							
	% of Region Reporting = 49%	# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
<b>Adams</b>	<b>% of County Reporting = 22%</b>	<b>368</b>	<b>0</b>	<b>12</b>	<b>2</b>	<b>382</b>	<b>\$ -</b>
01D01	Adams #1, Ritzville/Lincoln #10	0	0	0	0	0	\$ -
01D02	Adams #2, Hatton/Lind	0	0	0	0	0	\$ -
01D03	Adams #3, Odessa/Lincoln #3	0	0	0	0	0	\$ -
01D04	Adams #4, Harder/McCall	0	0	0	0	0	\$ -
01D05	Adams #5, Othello	368	0	5	2	375	\$ -
01D06	Adams #6, Benge	0	0	7	0	7	\$ -
01D07	Adams #7, Washtucna	0	0	0	0	0	\$ -
01M02	Othello Fire Department	0	0	0	0	0	\$ -
01M03	Ritzville Fire Dept	0	0	0	0	0	\$ -
<b>Asotin</b>	<b>% of County Reporting = 100%</b>	<b>612</b>	<b>0</b>	<b>42</b>	<b>9</b>	<b>663</b>	<b>\$ 95,050</b>
02D00	#1, Blue Mountain Fire Dist	2	0	1	9	12	\$ -
02D01	Asotin #1	246	0	9	0	255	\$ -
02M01	Asotin Fire Dept	108	0	4	0	112	\$ -
02M02	Clarkston Fire Dept	256	0	28	0	284	\$ 95,050
<b>Benton</b>	<b>% of County Reporting = 89%</b>	<b>29,172</b>	<b>44</b>	<b>1,367</b>	<b>0</b>	<b>30,583</b>	<b>\$ 14,258,723</b>
03D01	Benton #1, S. Kennewick	1,892	6	127	0	2,025	\$ 3,007,402
03D02	Benton #2, Benton City	1,045	2	273	0	1,320	\$ 482,000
03D03	West Benton Fire Rescue	96	0	5	0	101	\$ 10,000
03D04	Benton #4, W. Richland	2,010	25	170	0	2,205	\$ 1,325,640
03D05	Benton #5	0	0	0	0	0	\$ -
03D06	Benton #6, Plymouth/Paterson	244	0	38	0	282	\$ 85,000
03M02	Kennewick Fire Dept	13,615	10	353	0	13,978	\$ 7,632,456
03M04	Richland Fire Dept	9,583	1	333	0	9,917	\$ 1,716,225
03S01	Hanford Fire Dept	687	0	68	0	755	\$ -
<b>Columbia</b>	<b>% of County Reporting = 50%</b>	<b>707</b>	<b>0</b>	<b>104</b>	<b>0</b>	<b>811</b>	<b>\$ 8,500</b>
07D01	Columbia #1, Starbuck	0	0	0	0	0	\$ -
07D03	Columbia #3, Dayton	707	0	104	0	811	\$ 8,500
<b>Franklin</b>	<b>% of County Reporting = 57%</b>	<b>8,694</b>	<b>31</b>	<b>495</b>	<b>0</b>	<b>9,220</b>	<b>\$ 5,861,550</b>
11D01	Franklin #1, Connell	0	0	0	0	0	\$ -
11D02	Franklin #2, Kahlotus	0	0	0	0	0	\$ -
11D03	Franklin #3	544	1	261	0	806	\$ 393,400
11D04	Franklin #4, Basin City	0	0	0	0	0	\$ -
11D05	Franklin #5	4	0	6	0	10	\$ -
11M01	Connell Fire Dept	48	0	6	0	54	\$ -
11M02	Pasco Fire Dept	8,098	30	222	0	8,350	\$ 5,468,150
<b>Garfield</b>	<b>% of County Reporting = 100%</b>	<b>417</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>421</b>	<b>\$ 98,215</b>
12D01	Garfield #1	417	0	4	0	421	\$ 98,215

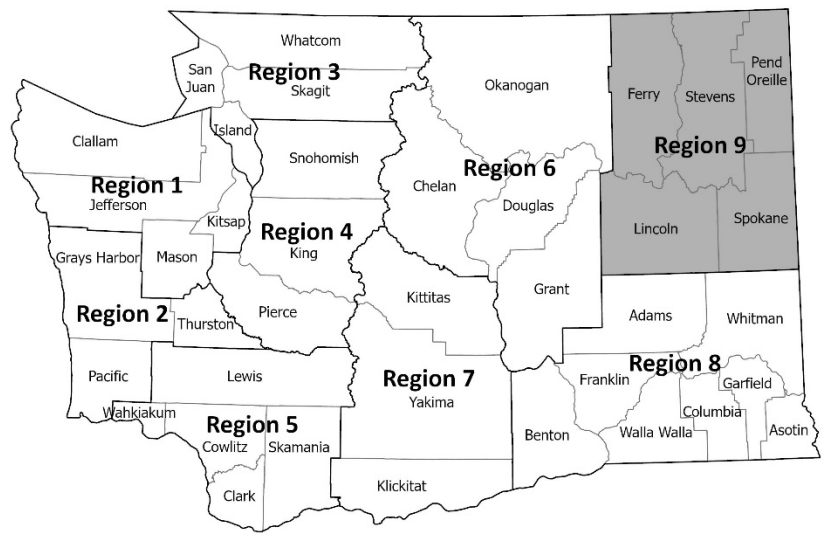
## REGION 8 2022 REPORTING SUMMARY (Continued)

	% of Region Reporting = 49%	# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
<b>Walla Walla</b>	<b>% of County Reporting = 45%</b>	<b>4,483</b>	<b>5</b>	<b>432</b>	<b>0</b>	<b>4,920</b>	<b>\$ 4,109,000</b>
36D01	Walla Walla #1, Clyde	0	0	0	0	0	\$ -
36D02	Walla Walla/Columbia #2	141	0	20	0	161	\$ -
36D03	Walla Walla #3, Eureka	0	0	0	0	0	\$ -
36D04	Walla Walla #4, Walla Walla	911	0	175	0	1,086	\$ 1,832,425
36D05	Walla Walla #5, Burbank	443	0	57	0	500	\$ 258,500
36D06	Walla Walla #6, Touchet	0	0	0	0	0	\$ -
36D07	Walla Walla #7	0	0	0	0	0	\$ -
36D08	Walla Walla #8	0	0	0	0	0	\$ -
36M01	College Place Fire Department	1,708	0	153	0	1,861	\$ 8,450
36M02	Prescott Fire Department	0	0	0	0	0	\$ -
36M04	Walla Walla Fire Department	1,280	5	27	0	1,312	\$ 2,009,625
<b>Whitman</b>	<b>% of County Reporting = 32%</b>	<b>4,359</b>	<b>0</b>	<b>247</b>	<b>4</b>	<b>4,610</b>	<b>\$ 608,862</b>
38D01	Whitman #1, Tekoa	0	0	0	0	0	\$ -
38D02	Whitman #2, St. John	0	0	0	0	0	\$ -
38D03	Whitman #3, Garfield	0	0	0	0	0	\$ -
38D04	Whitman #4, Palouse	33	0	6	0	39	\$ -
38D05	Whitman #5, Lamont	13	0	8	4	25	\$ -
38D06	Whitman # 6, Endicott	0	0	0	0	0	\$ -
38D07	Whitman #7, Rosalia	55	0	41	0	96	\$ -
38D08	Whitman #8, LaCrosse/Hooper	0	0	0	0	0	\$ -
38D10	Whitman #10, Oakesdale Fire Department	42	0	21	0	63	\$ 45,000
38D11	Whitman #11, Albion/Colfax	0	0	0	0	0	\$ -
38D12	Whitman #12, Pullman	0	0	0	0	0	\$ -
38D13	Whitman #13, Wilcox	0	0	0	0	0	\$ -
38D14	Whitman #14, Colton/Uniontown	47	0	4	0	51	\$ 27,000
38M01	Albion Fire Department	0	0	0	0	0	\$ -
38M02	Colfax Fire & Rescue	639	0	11	0	650	\$ 466,001
38M06	LaCrosse Fire Dept	0	0	0	0	0	\$ -
38M07	Malden Fire Dept	0	0	0	0	0	\$ -
38M09	Palouse Fire Dept	0	0	0	0	0	\$ -
38M10	Pullman Fire Dept	3,530	0	156	0	3,686	\$ 70,861
38M12	St. John Fire Dept	0	0	0	0	0	\$ -
38M13	Tekoa Fire Dept	0	0	0	0	0	\$ -
38M15	Farmington Fire Dept	0	0	0	0	0	\$ -
<b>Grand Total</b>		<b>48,812</b>	<b>80</b>	<b>2,703</b>	<b>15</b>	<b>51,610</b>	<b>\$ 25,039,900</b>

Numbers for incidents, exposures, aid given, and No Activity Reports are all based on valid incident data only; invalid incidents or incidents that failed to properly import into the system are not included. # of Incidents is based on primary reports coded as Aid 1, 2, 5, or N

## Region 9

Region 9 is comprised of Ferry, Lincoln, Pend Oreille, Spokane, and Stevens counties. In 2022, 60 percent 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	2018	2019	2020	2021	2022	5-Year Total
<b>Fire</b>						
Number of Incidents	1,917	1,984	2,201	2,768	2,343	11,213
Dollar Loss	\$13,451,589	\$9,830,572	\$27,932,749	\$32,895,969	\$19,202,395	\$103,313,274
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>						
Number of Incidents	62	77	58	53	48	298
Dollar Loss	\$81,450	\$2,300	\$800	\$500	\$2,800	\$87,850
<b>Rescue and Emergency Medical Service</b>						
Number of Incidents	55,692	58,152	56,164	61,098	61,409	292,515
Dollar Loss	\$15,000	\$31,900	\$5,000	\$395,001	\$98,000	\$544,901
<b>Hazardous Conditions (No Fire)</b>						
Number of Incidents	942	1,029	1,266	1,318	1,275	5,830
Dollar Loss	\$4,300	\$26,800	\$16,610	\$8,152	\$25,270	\$81,132
<b>Service Calls</b>						
Number of Incidents	4,854	5,021	6,102	7,292	6,880	30,149
Dollar Loss	\$12,000	\$1,205	\$45,970	\$21,125	\$271,200	\$351,500
<b>Good Intent Calls</b>						
Number of Incidents	7,749	9,157	10,798	15,735	18,036	61,475
Dollar Loss	\$20	\$10	\$0	\$2,500	\$4,000	\$6,530
<b>False Alarms &amp; False Calls</b>						
Number of Incidents	2,698	3,120	3,270	3,315	3,308	15,711
Dollar Loss	\$2,000	\$2,500	\$500	\$0	\$0	\$5,000
<b>Severe Weather &amp; Natural Disaster</b>						
Number of Incidents	11	38	25	53	33	160
Dollar Loss	\$0	\$0	\$0	\$10,000	\$60,000	\$70,000
<b>Other Types of Incidents</b>						
Number of Incidents	207	163	161	186	121	838
Dollar Loss	\$0	\$350	\$0	\$4,000	\$0	\$4,350
<b>Undetermined</b>						
Number of Incidents	0	0	0	0	0	0
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>74,132</b>	<b>78,741</b>	<b>80,045</b>	<b>91,818</b>	<b>93,453</b>	<b>418,189</b>
<b>Total Dollar Loss</b>	<b>\$13,566,359</b>	<b>\$9,895,637</b>	<b>\$28,001,629</b>	<b>\$33,337,247</b>	<b>\$19,663,665</b>	<b>\$104,464,537</b>

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

Over the past five years, 11,213 fire incidents, resulting in more than \$103 million in property and content loss, have been reported by fire service agencies in Region 9. **Structure Fires (including Confined Fires)** accounted for 26 percent of the five-year total and 71 percent of the dollar loss to property and contents.

Fire Incident Type Categories	2018	2019	2020	2021	2022	5-Year Total
<b>Structure Fires (including Confined Fires)</b>						
Number of Incidents	555	590	556	640	553	2,894
Dollar Loss	\$12,092,360	\$7,742,478	\$8,779,090	\$29,269,355	\$15,443,426	\$73,326,709
<b>Natural Vegetation Fires</b>						
Number of Incidents	473	484	574	842	421	2,794
Dollar Loss	\$40,800	\$458,950	\$16,951,883	\$336,258	\$388,753	\$18,176,644
<b>Vehicle Fires</b>						
Number of Incidents	276	263	257	316	338	1,450
Dollar Loss	\$908,468	\$1,092,345	\$1,825,551	\$2,366,596	\$3,051,961	\$9,244,921
<b>Fixed Mobile Property Fires</b>						
Number of Incidents	25	25	26	27	29	132
Dollar Loss	\$363,600	\$186,600	\$264,960	\$315,900	\$156,552	\$1,287,612
<b>Fire, Other</b>						
Number of Incidents	141	123	111	172	103	650
Dollar Loss	\$30,029	\$24,190	\$48,420	\$431,880	\$60,145	\$594,664
<b>Outside Rubbish Fires</b>						
Number of Incidents	368	413	580	684	839	2,884
Dollar Loss	\$6,832	\$264,408	\$36,125	\$49,710	\$49,206	\$406,281
<b>Outside Storage and Equipment Fires</b>						
Number of Incidents	72	71	84	78	52	357
Dollar Loss	\$9,500	\$18,601	\$26,720	\$125,870	\$47,350	\$228,041
<b>Cultivated Vegetation Fires</b>						
Number of Incidents	7	15	13	9	8	52
Dollar Loss	\$0	\$43,000	\$0	\$400	\$5,002	\$48,402
<b>Total Number of Incidents</b>	<b>1,917</b>	<b>1,984</b>	<b>2,201</b>	<b>2,768</b>	<b>2,343</b>	<b>11,213</b>
<b>Total Dollar Loss</b>	<b>\$13,451,589</b>	<b>\$9,830,572</b>	<b>\$27,932,749</b>	<b>\$32,895,969</b>	<b>\$19,202,395</b>	<b>\$103,313,274</b>

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

Over the past five years, 2,894 structure fire incidents, resulting in more than \$73 million in property and content loss, have been reported by fire service agencies in Region 9. **Building Fires** accounted for 55 percent of the five-year total and 98 percent of the dollar loss to property and contents.

Structure Fires (Including confined fires)	2018	2019	2020	2021	2022	5-Year Total
<b>Building fires</b>						
Number of Incidents	318	340	294	367	272	1,591
Dollar Loss	\$11,059,745	\$7,626,953	\$8,454,813	\$29,192,899	\$15,288,550	\$71,622,960
<b>Fires in structures other than in a building</b>						
Number of Incidents	17	19	31	12	18	97
Dollar Loss	\$1,009,775	\$56,675	\$287,800	\$49,170	\$69,470	\$1,472,890
<b>Cooking fire, confined to container</b>						
Number of Incidents	107	131	125	108	139	610
Dollar Loss	\$5,570	\$42,050	\$28,367	\$10,499	\$58,881	\$145,367
<b>Chimney or flue fire, confined to chimney or flue</b>						
Number of Incidents	63	55	56	67	51	292
Dollar Loss	\$11,600	\$8,500	\$5,200	\$4,905	\$10,500	\$40,705
<b>Trash or rubbish fire, contained</b>						
Number of Incidents	37	40	45	81	60	263
Dollar Loss	\$2,670	\$8,300	\$2,410	\$10,882	\$6,125	\$30,387
<b>Fuel burner/boiler malfunction, fire confined</b>						
Number of Incidents	9	3	3	3	9	27
Dollar Loss	\$0	\$0	\$0	\$1,000	\$6,900	\$7,900
<b>Incinerator overload or malfunction, fire confined</b>						
Number of Incidents	3	2	1	0	4	10
Dollar Loss	\$3,000	\$0	\$500	\$0	\$3,000	\$6,500
<b>Commercial Compactor fire, confined to rubbish</b>						
Number of Incidents	1	0	1	2	0	4
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>555</b>	<b>590</b>	<b>556</b>	<b>640</b>	<b>553</b>	<b>2,894</b>
<b>Total Dollar Loss</b>	<b>\$12,092,360</b>	<b>\$7,742,478</b>	<b>\$8,779,090</b>	<b>\$29,269,355</b>	<b>\$15,443,426</b>	<b>\$73,326,709</b>

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

Over the past five years, 4,421 fire incidents in **Residential** properties, resulting in more than \$50 million in property and content loss, have been reported by fire service agencies in Region 9. **Residential** fires accounted for 39 percent of the five-year total and 49 percent of the dollar loss to property and contents.

Fires by Property Use	2018	2019	2020	2021	2022	5-Year Total
<b>Residential</b>						
Number of Incidents	827	913	859	1,062	760	4,421
Dollar Loss	\$9,803,135	\$6,201,424	\$6,845,668	\$15,407,533	\$11,907,816	\$50,165,576
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	51	64	63	98	48	324
Dollar Loss	\$34,000	\$4,650	\$15,125,500	\$90,950	\$20,002	\$15,275,102
<b>Outside or Special Properties</b>						
Number of Incidents	790	761	959	1,241	1,188	4,939
Dollar Loss	\$1,623,370	\$1,630,670	\$3,131,623	\$2,358,016	\$3,114,196	\$11,857,875
<b>Educational Uses</b>						
Number of Incidents	16	5	17	17	17	72
Dollar Loss	\$8,530	\$2,000	\$100	\$11,013,000	\$37,475	\$11,061,105
<b>Mercantile and Business</b>						
Number of Incidents	57	75	107	128	112	479
Dollar Loss	\$91,700	\$1,008,310	\$1,813,191	\$1,426,391	\$2,328,105	\$6,667,697
<b>Storage</b>						
Number of Incidents	51	51	55	65	60	282
Dollar Loss	\$520,254	\$746,317	\$567,067	\$1,639,897	\$1,404,600	\$4,878,135
<b>Assembly</b>						
Number of Incidents	29	42	43	58	61	233
Dollar Loss	\$1,079,200	\$229,050	\$47,650	\$624,080	\$45,401	\$2,025,381
<b>Manufacturing and Processing</b>						
Number of Incidents	22	16	13	12	22	85
Dollar Loss	\$93,000	\$451	\$175,000	\$1,000	\$298,500	\$567,951
<b>Other Property Uses</b>						
Number of Incidents	34	29	43	42	31	179
Dollar Loss	\$184,600	\$3,000	\$80,000	\$35,002	\$24,000	\$326,602
<b>None</b>						
Number of Incidents	17	12	14	21	23	87
Dollar Loss	\$11,600	\$4,500	\$12,000	\$266,300	\$21,200	\$315,600
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	16	8	7	14	14	59
Dollar Loss	\$2,200	\$200	\$107,750	\$19,500	\$1,100	\$130,750
<b>Unknown</b>						
Number of Incidents	7	8	21	10	7	53
Dollar Loss	\$0	\$0	\$27,200	\$14,300	\$0	\$41,500
<b>Total Number of Incidents</b>	<b>1,917</b>	<b>1,984</b>	<b>2,201</b>	<b>2,768</b>	<b>2,343</b>	<b>11,213</b>
<b>Total Dollar Loss</b>	<b>\$13,451,589</b>	<b>\$9,830,572</b>	<b>\$27,932,749</b>	<b>\$32,895,969</b>	<b>\$19,202,395</b>	<b>\$103,313,274</b>

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

Over the past five years, 483 fire incidents in the **Structural Areas** of a building, resulting in more than \$10 million in property and content loss, have been reported by fire service agencies in Region 9. **Structural Areas** fires accounted for 4 percent of the five-year total and 10 percent of the dollar loss to property and contents.

Area of Origin by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	226	194	213	307	250	1,190
Dollar Loss	\$3,193,510	\$1,723,032	\$1,260,590	\$14,572,784	\$4,228,253	\$24,978,169
<b>(Blank)</b>						
Number of Incidents	592	692	874	1,131	1,090	4,379
Dollar Loss	\$39,422	\$138,052	\$16,386,615	\$380,262	\$453,452	\$17,397,803
<b>Functional Areas</b>						
Number of Incidents	126	148	149	135	129	687
Dollar Loss	\$1,557,300	\$1,267,486	\$2,762,045	\$2,761,860	\$4,374,097	\$12,722,788
<b>Structural Areas</b>						
Number of Incidents	101	114	80	118	70	483
Dollar Loss	\$2,077,520	\$2,013,353	\$1,874,534	\$2,924,635	\$1,299,477	\$10,189,519
<b>Vehicle Areas</b>						
Number of Incidents	233	219	210	259	255	1,176
Dollar Loss	\$1,159,808	\$810,000	\$1,449,879	\$2,858,836	\$3,236,530	\$9,515,053
<b>Storage Areas</b>						
Number of Incidents	52	73	78	106	83	392
Dollar Loss	\$1,657,327	\$1,256,869	\$1,333,426	\$3,051,528	\$1,518,780	\$8,817,930
<b>Areas of Groups of People (Assembly)</b>						
Number of Incidents	20	17	13	21	24	95
Dollar Loss	\$2,462,396	\$213,230	\$443,750	\$2,160,750	\$3,084,975	\$8,365,101
<b>Outside Areas</b>						
Number of Incidents	444	380	455	517	340	2,136
Dollar Loss	\$264,502	\$2,117,315	\$1,276,325	\$1,150,694	\$739,411	\$5,548,247
<b>Means of Egress/Exit Access/Exit Areas</b>						
Number of Incidents	13	16	19	20	10	78
Dollar Loss	\$43,100	\$45,800	\$404,375	\$1,747,920	\$155,000	\$2,396,195
<b>Service or Equipment Areas</b>						
Number of Incidents	34	32	20	40	28	154
Dollar Loss	\$820,750	\$41,680	\$521,100	\$164,700	\$63,200	\$1,611,430
<b>Other Areas of Origin</b>						
Number of Incidents	73	96	89	110	62	430
Dollar Loss	\$175,954	\$201,755	\$160,110	\$872,000	\$49,220	\$1,459,039
<b>Tehcnical Processing Areas</b>						
Number of Incidents	3	3	1	4	2	13
Dollar Loss	\$0	\$2,000	\$60,000	\$250,000	\$0	\$312,000
<b>Total Number of Incidents</b>	<b>1,917</b>	<b>1,984</b>	<b>2,201</b>	<b>2,768</b>	<b>2,343</b>	<b>11,213</b>
<b>Total Dollar Loss</b>	<b>\$13,451,589</b>	<b>\$9,830,572</b>	<b>\$27,932,749</b>	<b>\$32,895,969</b>	<b>\$19,202,395</b>	<b>\$103,313,274</b>

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

Over the past five years, 3,237 fire incidents with a heat source of **Undetermined**, resulting in more than \$36 million in property and content loss, have been reported by fire service agencies in Region 9. Fires with a heat source of **Undetermined** accounted for 29 percent of the five-year total and 35 percent of the dollar loss to property and content.

Heat Source by Category	2018	2019	2020	2021	2022	5-Year Total
<b>Undetermined</b>						
Number of Incidents	614	529	665	793	636	3,237
Dollar Loss	\$7,329,421	\$3,724,693	\$6,285,196	\$9,673,603	\$9,079,683	\$36,092,596
<b>(Blank)</b>						
Number of Incidents	592	692	874	1,131	1,090	4,379
Dollar Loss	\$39,422	\$138,052	\$16,386,615	\$380,262	\$453,452	\$17,397,803
<b>Operating Equipment</b>						
Number of Incidents	278	278	229	266	244	1,295
Dollar Loss	\$1,921,370	\$1,940,980	\$3,239,281	\$3,527,292	\$3,496,132	\$14,125,055
<b>Heat Source Other</b>						
Number of Incidents	61	74	63	98	78	374
Dollar Loss	\$9,500	\$610,968	\$301,000	\$11,465,100	\$615,340	\$13,001,908
<b>Open Flame or Smoking Material</b>						
Number of Incidents	176	191	148	202	122	839
Dollar Loss	\$2,939,746	\$1,868,525	\$692,879	\$2,846,905	\$3,521,560	\$11,869,615
<b>Hot or Smoldering Object</b>						
Number of Incidents	114	136	145	176	112	683
Dollar Loss	\$576,560	\$1,288,662	\$610,761	\$3,812,717	\$864,570	\$7,153,270
<b>Heat Spread from Another Fire</b>						
Number of Incidents	30	34	45	47	23	179
Dollar Loss	\$276,270	\$216,225	\$221,900	\$496,965	\$622,458	\$1,833,818
<b>Chemical or Natural</b>						
Number of Incidents	23	37	18	26	26	130
Dollar Loss	\$172,100	\$26,467	\$138,667	\$413,000	\$528,000	\$1,278,234
<b>Explosives and Fireworks</b>						
Number of Incidents	27	10	13	25	10	85
Dollar Loss	\$187,200	\$15,000	\$55,750	\$51,125	\$11,000	\$320,075
<b>Multiple Heat Sources</b>						
Number of Incidents	2	3	1	4	2	12
Dollar Loss	\$0	\$1,000	\$700	\$229,000	\$10,200	\$240,900
<b>Total Number of Incidents</b>	<b>1,917</b>	<b>1,984</b>	<b>2,201</b>	<b>2,768</b>	<b>2,343</b>	<b>11,213</b>
<b>Total Dollar Loss</b>	<b>\$13,451,589</b>	<b>\$9,830,572</b>	<b>\$27,932,749</b>	<b>\$32,895,969</b>	<b>\$19,202,395</b>	<b>\$103,313,274</b>

Sources listed as **(Blank)** are incidents where a fire or wildland module was not required to be completed.

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

Over the past five years, 5,306 fire incidents with an **Unknown** cause of ignition, resulting in more than \$44 million in property and content loss, have been reported by fire service agencies in Region 9. **Unknown** ignition caused fires accounted for 47 percent of the five-year total and 43 percent of the dollar loss to property and content.

For definitions of each of the following categories, see the descriptions [listed earlier in this report](#).

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Unknown</b>						
Number of Incidents	768	809	1,072	1,396	1,261	5,306
Dollar Loss	\$6,011,019	\$3,293,340	\$20,575,206	\$7,497,797	\$6,720,577	\$44,097,939
<b>Other Unintentional, Careless</b>						
Number of Incidents	162	131	143	209	156	801
Dollar Loss	\$412,575	\$602,520	\$1,038,300	\$13,709,817	\$3,048,870	\$18,812,082
<b>Electrical Malfunction</b>						
Number of Incidents	102	104	82	131	90	509
Dollar Loss	\$1,069,000	\$1,076,710	\$709,443	\$2,504,130	\$1,752,996	\$7,112,279
<b>Intentional</b>						
Number of Incidents	255	286	314	350	260	1,465
Dollar Loss	\$1,262,324	\$1,237,768	\$602,458	\$1,336,085	\$2,497,613	\$6,936,248
<b>Open Flame</b>						
Number of Incidents	69	71	70	90	49	349
Dollar Loss	\$274,910	\$1,178,725	\$139,360	\$3,027,025	\$675,150	\$5,295,170
<b>Cooking</b>						
Number of Incidents	133	166	155	130	160	744
Dollar Loss	\$224,320	\$410,970	\$1,169,635	\$602,074	\$999,986	\$3,406,985
<b>Equipment Misoperation, Failure</b>						
Number of Incidents	106	97	87	84	104	478
Dollar Loss	\$179,050	\$637,980	\$279,140	\$1,085,131	\$1,213,503	\$3,394,804
<b>Heating</b>						
Number of Incidents	106	98	87	104	88	483
Dollar Loss	\$569,120	\$270,150	\$723,230	\$1,387,720	\$180,965	\$3,131,185
<b>Smoking</b>						
Number of Incidents	33	32	19	29	18	131
Dollar Loss	\$1,839,696	\$141,977	\$288,211	\$152,640	\$431,500	\$2,854,024
<b>Natural</b>						
Number of Incidents	48	62	40	67	47	264
Dollar Loss	\$372,100	\$61,035	\$800,177	\$413,400	\$528,000	\$2,174,712
<b>Appliances</b>						
Number of Incidents	31	33	29	37	23	153
Dollar Loss	\$245,725	\$273,150	\$551,750	\$646,250	\$288,735	\$2,005,610

### Region 9 Fire Incidents by Cause of Ignition (continued)

Cause Category	2018	2019	2020	2021	2022	5-Year Total
<b>Other heat</b>						
Number of Incidents	73	63	65	100	58	359
Dollar Loss	\$164,750	\$568,137	\$574,711	\$136,250	\$283,100	\$1,726,948
<b>Investigation with Arson Mod.</b>						
Number of Incidents	7	7	8	17	16	55
Dollar Loss	\$275,000	\$0	\$0	\$30,550	\$477,200	\$782,750
<b>Exposure</b>						
Number of Incidents	11	10	12	10	4	47
Dollar Loss	\$529,500	\$32,610	\$47,200	\$71,000	\$11,050	\$691,360
<b>Other Equipment</b>						
Number of Incidents	7	7	6	6	7	33
Dollar Loss	\$22,500	\$39,000	\$249,178	\$290,100	\$89,050	\$689,828
<b>Playing with Heat Source</b>						
Number of Incidents	6	8	12	8	2	36
Dollar Loss	\$0	\$6,500	\$184,750	\$6,000	\$4,100	\$201,350
<b>Total Number of Incidents</b>	<b>1,917</b>	<b>1,984</b>	<b>2,201</b>	<b>2,768</b>	<b>2,343</b>	<b>11,213</b>
<b>Total Dollar Loss</b>	<b>\$13,451,589</b>	<b>\$9,830,572</b>	<b>\$27,932,749</b>	<b>\$32,895,969</b>	<b>\$19,202,395</b>	<b>\$103,313,274</b>

## Region 9 Incidents by Reporting Agency

The following represents a breakdown of activity and property and contents loss as reported by individual agencies within Region 9.

REGION 9 2022 REPORTING SUMMARY							
% of Region Reporting = 60%		# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
<b>Ferry</b>	<b>% of County Reporting = 67%</b>	<b>58</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>63</b>	<b>\$ 20,000</b>
10D03	Ferry #3/Stevens #8	0	0	0	0	0	\$ -
10D13	Ferry #13/Okanogan #13	41	0	3	0	44	\$ -
10D14	Ferry #14/Okanogan #14	17	0	0	2	19	\$ 20,000
<b>Lincoln</b>	<b>% of County Reporting = 23%</b>	<b>211</b>	<b>0</b>	<b>9</b>	<b>2</b>	<b>222</b>	<b>\$ 4,855</b>
22D01	Lincoln #1, Sprauge	0	0	0	0	0	\$ -
22D03	Lincoln #3, Odessa/Adams #3	0	0	0	0	0	\$ -
22D04	Lincoln #4, Reardon/Edwall/Long Lake	138	0	9	0	147	\$ -
22D05	Lincoln #5, Davenport	0	0	0	1	1	\$ -
22D06	Lincoln #6, Harrington	0	0	0	0	0	\$ -
22D07	Lincoln #7, Wilbur	0	0	0	0	0	\$ -
22D08	Lincoln #8, Almira	51	0	0	0	51	\$ -
22D09	Lincoln #9	0	0	0	0	0	\$ -
22M01	Almira Fire Dept	0	0	0	0	0	\$ -
22M02	Creston Fire Dept	0	0	0	0	0	\$ -
22M03	Davenport Fire Dept	22	0	0	1	23	\$ 4,855
22M05	Odessa Fire Dept	0	0	0	0	0	\$ -
22M08	Wilbur Fire Dept	0	0	0	0	0	\$ -
<b>Pend Oreille</b>	<b>% of County Reporting = 63%</b>	<b>1,605</b>	<b>0</b>	<b>640</b>	<b>0</b>	<b>2,245</b>	<b>\$ 620,403</b>
26D02	Pend Oreille #2, Lone	40	0	4	0	44	\$ 143,000
26D03	Pend Oreille #3, S. Pend Oreille Fire & Rescue	782	0	153	0	935	\$ 9,000
26D04	Pend Oreille #4	350	0	326	0	676	\$ 405,002
26D05	Pend Oreille #5, Locke-Ruby	0	0	0	0	0	\$ -
26D08	Pend Oreille #8	0	0	0	0	0	\$ -
26M01	Cusick Fire Dept	0	0	0	0	0	\$ -
26M05	Newport Fire Dept	349	0	88	0	437	\$ 63,401
26X04	Kalispel Tribal Public Safety	84	0	69	0	153	\$ -
<b>Spokane</b>	<b>% of County Reporting = 93%</b>	<b>88,483</b>	<b>1</b>	<b>7,322</b>	<b>0</b>	<b>95,806</b>	<b>\$ 18,450,207</b>
32D01	Spokane #1, Spokane Valley Fire Dept	16,818	0	151	0	16,969	\$ 1,046,243
32D02	Spokane #2, Fairfield	172	0	67	0	239	\$ -
32D03	Spokane #3, Spokane	2,936	0	193	0	3,129	\$ 885,800
32D04	Spokane #4	4,279	0	121	0	4,400	\$ 1,597,457
32D05	Spokane #5	125	0	13	0	138	\$ -
32D08	Spokane #8, Hangman/Mica	1,910	0	2,271	0	4,181	\$ 818,317
32D09	Spokane #9	4,949	1	2,342	0	7,292	\$ 2,571,848
32D10	Spokane #10	1,135	0	265	0	1,400	\$ 578,500
32D11	Spokane #11	99	0	18	0	117	\$ -
32D12	Spokane #12	0	0	0	0	0	\$ -
32D13	Spokane #13, Newman Lake Fire & Rescue	151	0	1	0	152	\$ -
32M01	Airway Heights Fire Dept	2,666	0	74	0	2,740	\$ 206,500
32M02	Cheney Fire Department	1,863	0	16	0	1,879	\$ 743,106
32M10	Spokane Fire Department	51,380	0	1,790	0	53,170	\$ 10,002,436
32S03	Spokane Tribal Volunteer Fire Dept	0	0	0	0	0	\$ -

## REGION 9 2022 REPORTING SUMMARY (Continued)

% of Region Reporting = 60%		# of Incidents	Exposures	Auto or Mutual Aid Given	No Activity Reports	Total Reports	Reported Property and Contents Loss
Stevens	% of County Reporting = 59%	3,096	0	134	4	3,234	\$ 568,200
33D01	Stevens #1	1,709	0	49	0	1,758	\$ 25,000
33D02	Stevens #2, Hunters	0	0	0	0	0	\$ -
33D03	Stevens #3, Colville	0	0	0	0	0	\$ -
33D04	Stevens #4, Valley	412	0	32	0	444	\$ 45,500
33D05	Stevens #5	263	0	6	0	269	\$ 486,500
33D06	Stevens #6, Kettle Falls	74	0	3	0	77	\$ -
33D07	Stevens #7, Arden	386	0	32	0	418	\$ 9,200
33D09	Stevens #9, Little Pend Oreille Lakes	0	0	0	0	0	\$ -
33D10	Stevens #10, Deep Lake	0	0	0	0	0	\$ -
33D11	Stevens #11	3	0	1	0	4	\$ 2,000
33D12	Stevens #12, Rice/Daisy/Gifford	89	0	6	2	97	\$ -
33D13	Stevens #13, Evans	33	0	4	2	39	\$ -
33M01	Chewelah Fire Dept	1	0	0	0	1	\$ -
33M02	Colville Fire Dept	126	0	1	0	127	\$ -
33M03	Kettle Falls Fire Dept	0	0	0	0	0	\$ -
33M05	Northport Volunteer Fire Dept	0	0	0	0	0	\$ -
<b>Grand Total</b>		<b>93,453</b>	<b>1</b>	<b>8,108</b>	<b>8</b>	<b>101,570</b>	<b>\$ 19,663,665</b>

Numbers for incidents, exposures, aid given, and No Activity Reports are all based on valid incident data only; invalid incidents or incidents that failed to properly import into the system are not included. # of Incidents is based on primary reports coded as Aid 1, 2, 5, or N

## 2022 FIREWORKS REPORT

The State Fire Marshal's Office is responsible for licensing fireworks importers, wholesalers, pyrotechnic operators, and retail stands. The goal of these efforts is to maintain the safe and legal transport and sale of consumer fireworks within the state. The SFMO also conducts annual public education campaigns that focus on the safe purchase, storage, and discharge of consumer fireworks.

Data utilized in this section of the report is compiled from two sources. Injury details are generated from fireworks injury reports submitted directly to the SFMO by local fire agencies and hospitals. This gives the SFMO direct access to specific local details on the types of fireworks and extent of injuries. Fireworks fire incident data is derived from NFIRS reporting. NFIRS data has been cross-referenced with these submitted reports to provide additional detail.

### Fireworks Incidents Summary

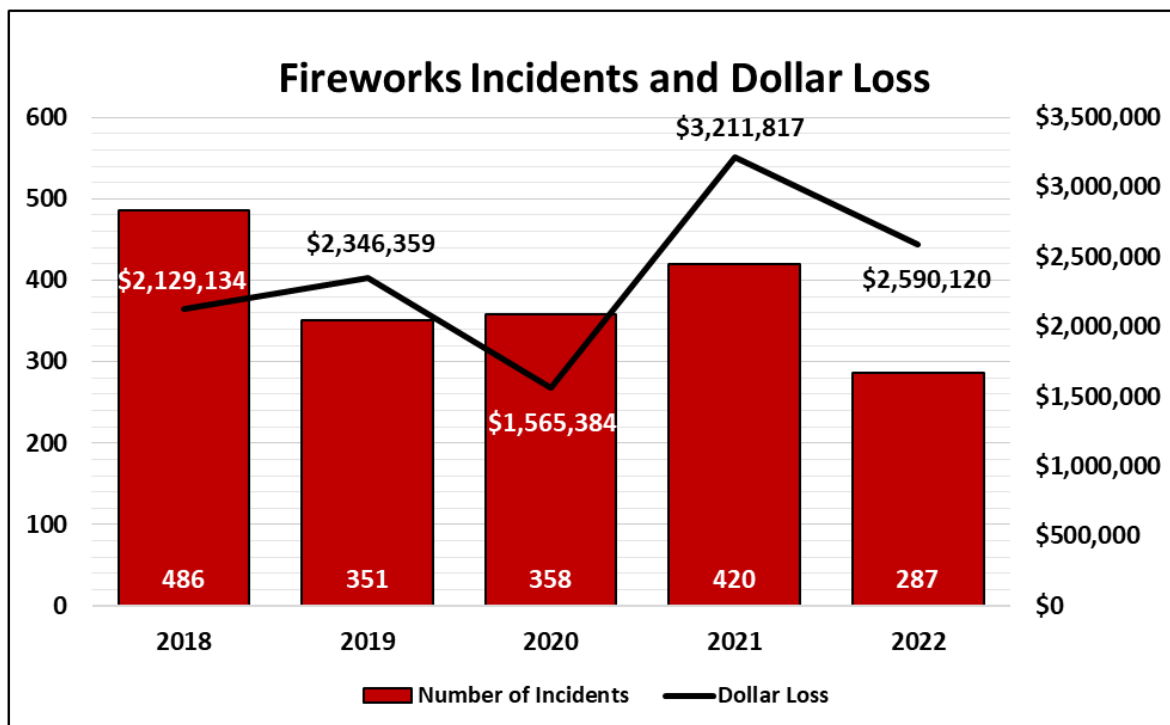
There were 508 fireworks-related injuries and/or fires reported to the SFMO in 2022 by fire departments and hospital emergency rooms. This is a 44 percent decrease from the previous year's total of 912. Of the 508 reports received, there were 310 fires and 198 injuries. The reason for the significant decrease in reported fireworks injuries is unknown.

Fireworks Incidents*	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
Fires	407	530	785	409	576	698	547	588	842	310	5,692
Injury	241	277	241	250	262	209	269	237	70	198	2,254
Total	648	807	1026	659	838	907	816	825	912	508	7,946

\*Fireworks fire data as reported to NFIRS. Injury data as reported to the SFMO via the Fireworks Injury Report form.

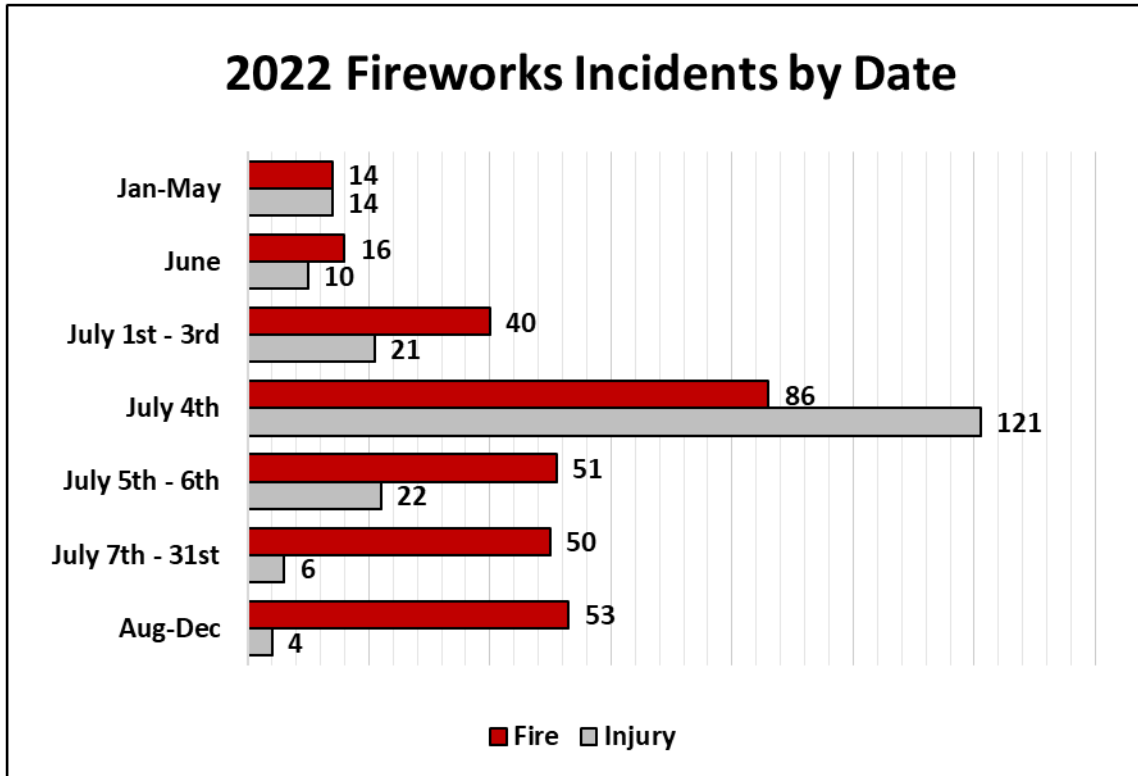
### Fireworks Incidents and Dollar Loss

Fireworks-related fires resulted in over \$2.5 million in property loss in 2022, which is just over a 19 percent decrease from 2021.



## Fireworks Incidents by Date

Per [RCW 70.77.395](#), legal sale and discharge of consumer fireworks is restricted to periods around the Fourth of July and New Year's Eve. According to local agency reporting, fireworks-related incidents most often occur on July 4th. This has remained constant over the past ten years.



## Fireworks Fires by Property Use

Fireworks-related fires most frequently occurred **Outside** or on **Residential** properties. **Residential** fireworks-related fires accounted for 33 percent of the total incidents, and 69 percent of the total dollar loss.

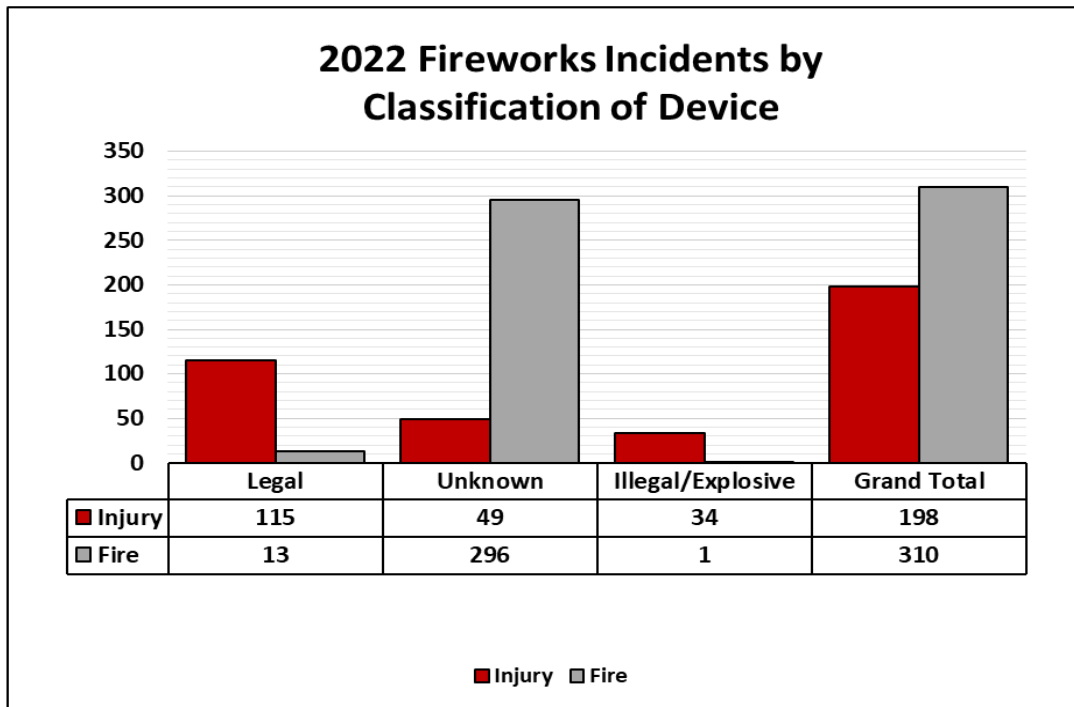
Property Use Category	Number of Incidents	Percent of Incidents	Dollar Loss	Percent of Dollar Loss
Residential	101	33%	\$2,059,076	69%
Storage	8	3%	\$382,284	13%
Educational Uses	11	4%	\$328,360	11%
Outside or Special Properties	134	43%	\$120,345	4%
Mercantile & Business	8	3%	\$55,200	2%
Assembly	8	3%	\$32,630	1%
Other Property Uses	7	2%	\$22,000	1%
Undetermined	29	9%	\$1,325	0%
Health Care, Detention, & Corrections	0	0%	\$0	0%
Industrial, Utility, Defense, Agriculture, & Mining	3	1%	\$0	0%
None	0	0%	\$0	0%
Manufacturing and Processing	1	0%	\$0	0%
<b>Grand Total</b>	<b>310</b>	<b>18%</b>	<b>\$3,001,220</b>	<b>100%</b>

Over the last five years, the distribution of fireworks-related fires as reported to NFIRS among the different property use categories has remained relatively consistent.

Property Use Category	2018	2019	2020	2021	2022	5-Year Total
<b>Residential</b>						
Number of Incidents	143	108	106	111	98	566
Dollar Loss	\$1,944,038	\$1,790,648	\$1,238,826	\$1,250,625	\$1,680,076	\$7,904,213
<b>Storage</b>						
Number of Incidents	6	7	7	7	8	35
Dollar Loss	\$94,441	\$104,800	\$15,400	\$1,011,866	\$382,284	\$1,608,791
<b>Outside or Special Property</b>						
Number of Incidents	261	172	183	189	121	926
Dollar Loss	\$75,135	\$438,702	\$293,520	\$41,325	\$120,245	\$968,927
<b>Mercantile and Business</b>						
Number of Incidents	9	6	8	11	8	42
Dollar Loss	\$2,900	\$6,290	\$535	\$885,000	\$55,200	\$949,925
<b>Educational Uses</b>						
Number of Incidents	7	10	3	5	10	35
Dollar Loss	\$0	\$1,400	\$2	\$0	\$318,360	\$319,762
<b>Assembly</b>						
Number of Incidents	8	9	6	11	8	42
Dollar Loss	\$500	\$1,000	\$1,000	\$1,045	\$32,630	\$36,175
<b>Other Property Uses</b>						
Number of Incidents	4	2	6	7	2	21
Dollar Loss	\$0	\$2,500	\$7,600	\$21,225	\$0	\$31,325
<b>Undetermined</b>						
Number of Incidents	45	30	34	76	28	213
Dollar Loss	\$12,120	\$1,019	\$501	\$731	\$1,325	\$15,696
<b>Health Care, Detention, and Corrections</b>						
Number of Incidents	0	0	1	0	0	1
Dollar Loss	\$0	\$0	\$8,000	\$0	\$0	\$8,000
<b>None</b>						
Number of Incidents	0	1	2	3	0	6
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Industrial, Utility, Defense, Agriculture, and Mining</b>						
Number of Incidents	3	5	2	0	3	13
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Manufacturing and Processing</b>						
Number of Incidents	0	1	0	0	1	2
Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Number of Incidents</b>	<b>486</b>	<b>351</b>	<b>358</b>	<b>420</b>	<b>287</b>	<b>1,902</b>
<b>Total Dollar Loss</b>	<b>\$2,129,134</b>	<b>\$2,346,359</b>	<b>\$1,565,384</b>	<b>\$3,211,817</b>	<b>\$2,590,120</b>	<b>\$11,842,814</b>

## Fireworks Incidents by Classification of Device

In 2022, **Illegal, Explosive, and Unknown** types of fireworks were identified as the cause in 42 percent of the fires and 96 percent of the injuries. **Legal** fireworks were identified in 6% of the reported fires, and accounted for 4 percent of the total injuries.



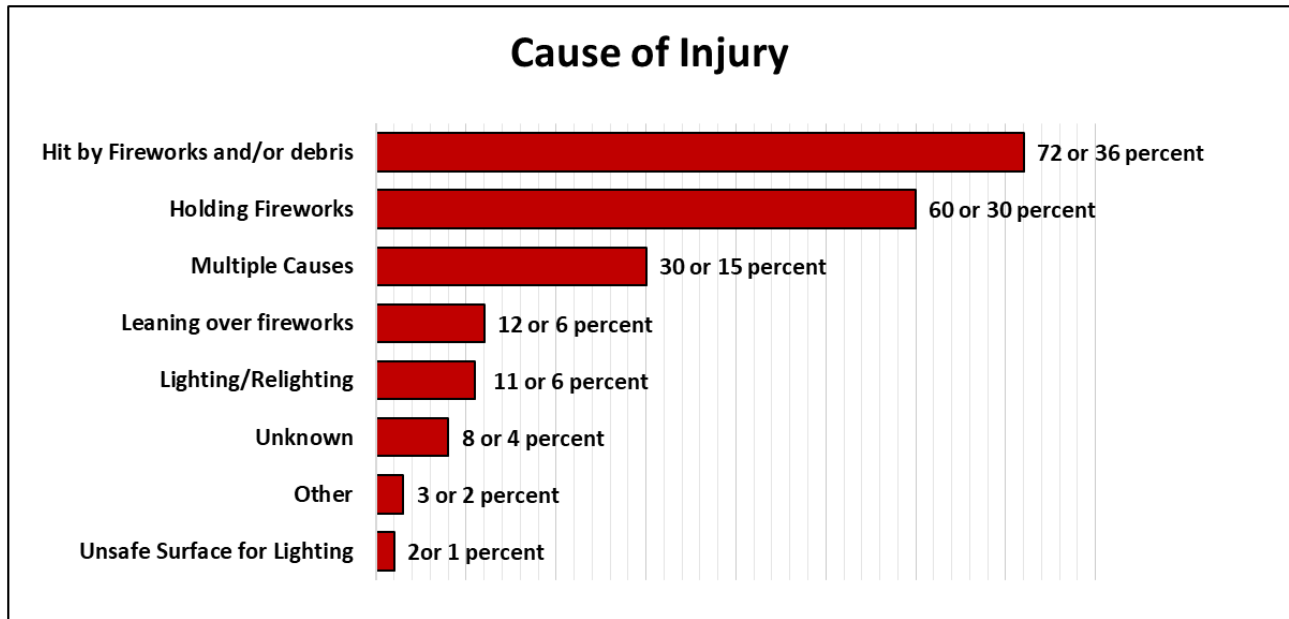
## Fireworks Injuries by Type of Device

Of the 115 reported injury incidents involving **Legal** devices, injuries from **aerial shells/mortars** were the most common, accounting for 24 percent of the incidents. These were followed by sparklers accounting for 9 percent of and roman candles accounting for 7 percent of reported injuries.. Of the 34 injury incidents involving known **Illegal** devices, injuries from **Altered/Homemade Fireworks** were the most common at 7 percent, followed by public display mortars at 6 percent.

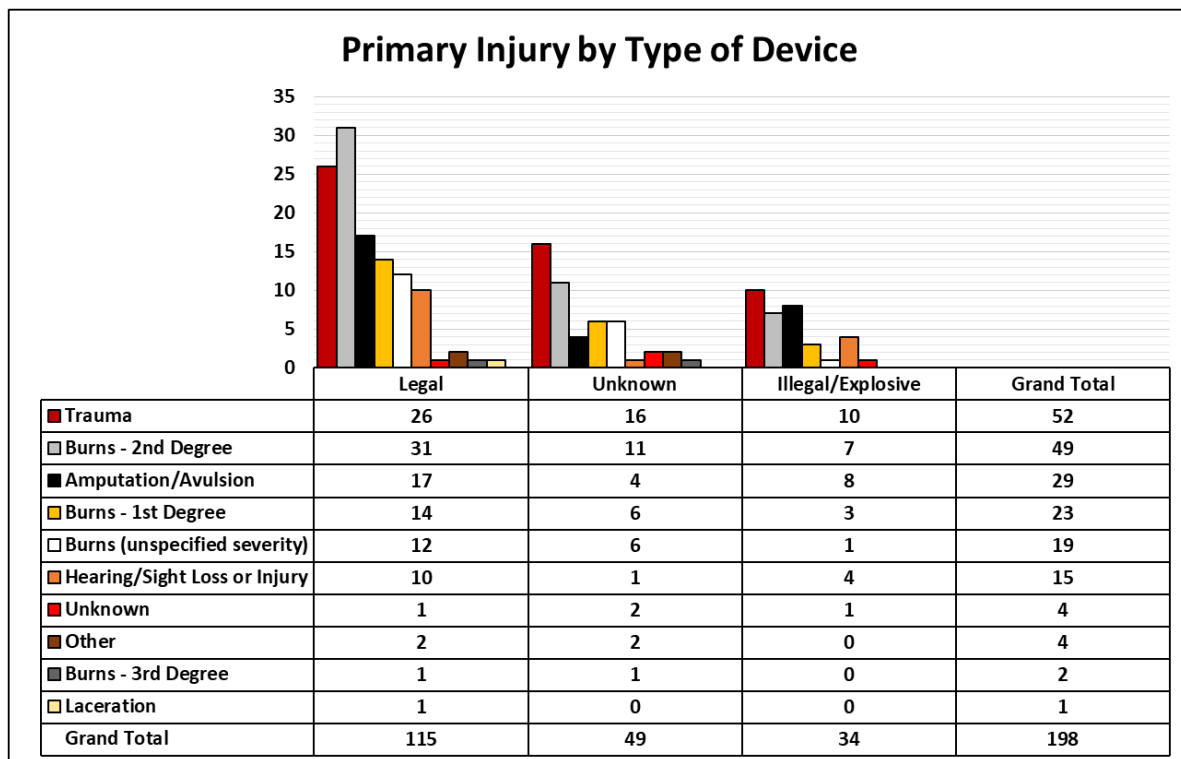
Injuries by Type of Device	Legal	Unknown	Illegal/Explosive	Grand Total
Unknown	3	47	3	53
Aerial Shell/Mortar	48	0	1	49
Sparkler	17	0	0	17
Altered/Homemade Firework	2	2	13	17
Roman Candle	14	0	0	14
Public display mortar	0	0	11	11
Firecracker/Chaser	9	0	0	9
Cake/Multi-Aerial	6	0	0	6
Novelty	5	0	1	6
M-80	0	0	5	5
Bottle Rocket	3	0	0	3
Other	3	0	0	3
Missile/Rocket	3	0	0	3
Cone/Fountain	2	0	0	2
<b>Grand Total</b>	<b>115</b>	<b>49</b>	<b>34</b>	<b>198</b>

## Fireworks Injuries by Cause of Injury

Most of the reported fireworks-related injuries are due to **Hit by Fireworks and /or Debris** (36 percent) or **Holding or Throwing Fireworks** (30 percent).

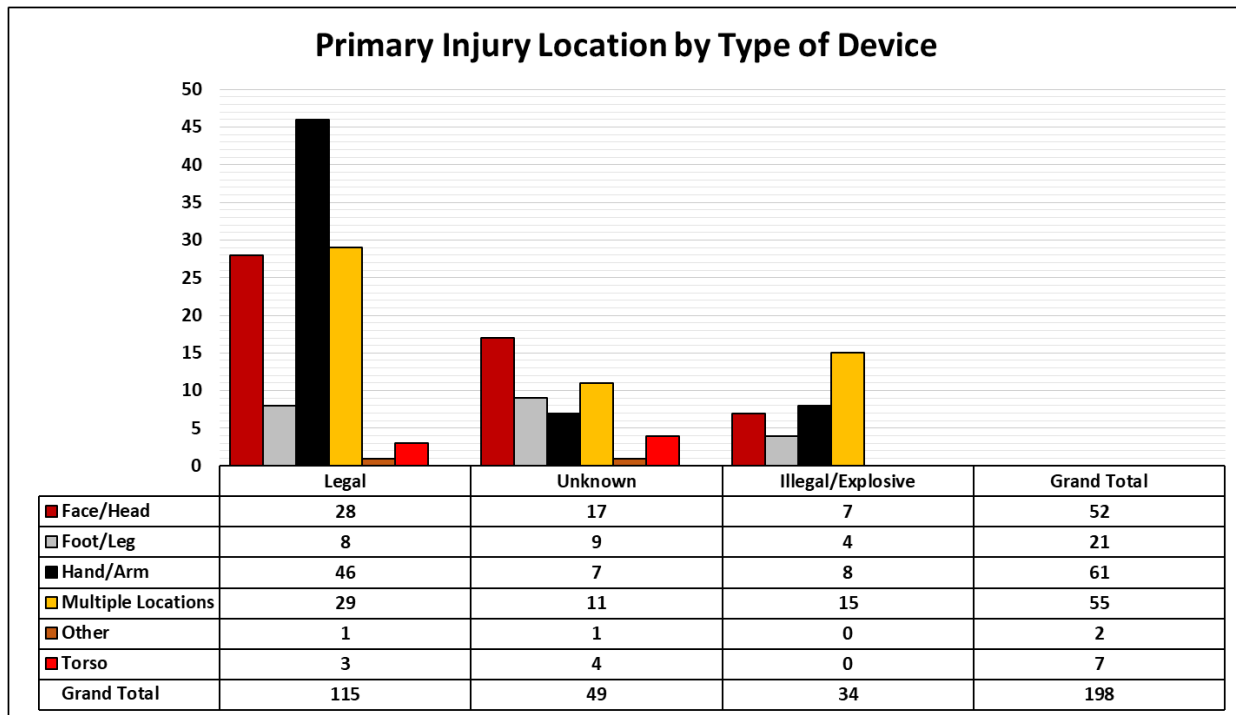


The leading type of singular fireworks-related injury reported was **Trauma** (26 percent), which consist of at least two injuries to different areas of the body. **Burns** were the second-leading injury type, making up 47 percent of all reported injuries.



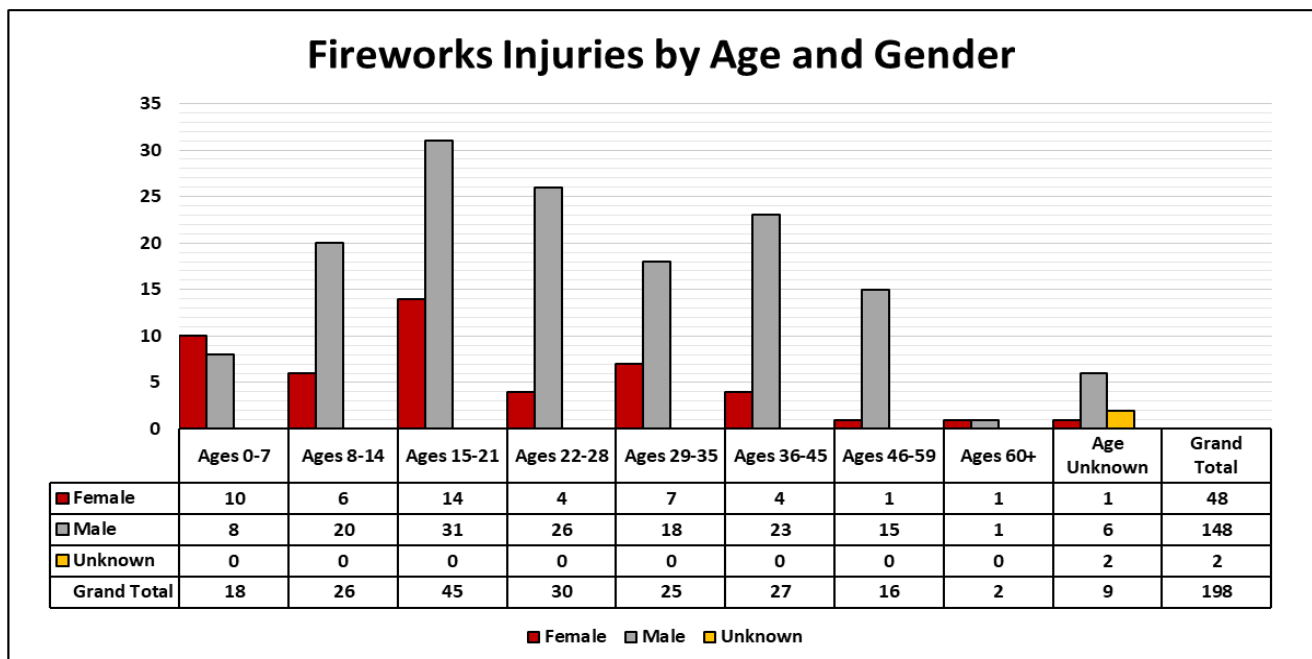
\*Trauma includes contusions, abrasions, lacerations, fractures, and other trauma injuries

Injuries to the **Hand/Arm** accounted for 31 percent of the fireworks-related injuries. However, 28 percent of the injuries occurred in **Multiple Locations**.



## Fireworks Injuries by Age and Gender

Fireworks-related injuries most often occur to people under 45 years of age, which accounts for 86 percent of the reported injuries for 2022. Within that group 58 percent of the injuries occurred to those between 15 and 35. According to the Center for Disease Control, teens are 3.1 times more likely to be injured by fireworks when they are unsupervised.



## Summary of Fireworks Incident Reports by County and Agency Type

County	Fire Agency			Hospital/Urgent Care			Other/Unknown Entity			Grand Total
	Fire	Injury	Total	Fire	Injury	Total	Fire	Injury	Total	
Adams	5	0	0	0	0	0	0	0	0	5
Asotin	2	0	0	0	1	0	0	0	0	3
Benton	7	0	0	0	2	0	0	0	0	9
Chelan	1	0	0	0	0	0	0	0	0	1
Clallam	3	0	0	0	2	0	0	0	0	5
Clark	17	4	0	0	7	0	0	0	0	28
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	6	1	0	0	0	0	0	1	0	8
Douglas	2	0	0	0	1	0	0	0	0	3
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	4	0	0	0	2	0	0	0	0	6
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	6	0	0	0	2	0	0	0	0	8
Grays Harbor	11	2	0	0	2	0	0	0	0	15
Island	4	0	0	0	1	0	0	0	0	5
Jefferson	0	0	0	0	0	0	0	0	0	0
King	59	3	0	0	14	0	0	0	0	76
Kitsap	8	4	0	0	8	0	0	0	0	20
Kittitas	2	0	0	0	0	0	0	0	0	2
Klickitat	4	0	0	0	1	0	0	0	0	5
Lewis	11	0	0	0	15	0	0	0	0	26
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	2	1	0	0	2	0	0	0	0	5
Okanogan	0	0	0	0	0	0	0	0	0	0
Pacific	7	1	0	0	1	0	0	0	0	9
Pend Oreille	0	1	0	0	0	0	0	0	0	1
Pierce	52	6	0	0	33	0	0	0	0	91
San Juan	0	0	0	0	0	0	0	0	0	0
Skagit	9	0	0	0	8	0	0	0	0	17
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	21	3	0	0	27	0	0	0	0	51
Spokane	6	0	0	0	5	0	0	0	0	11
Stevens	4	0	0	0	1	0	0	0	0	5
Thurston	10	0	0	0	9	0	0	6	0	25
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	15	0	0	0	2	0	0	0	0	17
Whatcom	7	1	0	0	13	0	0	0	0	21
Whitman	0	0	0	0	0	0	0	0	0	0
Yakima	25	0	0	0	5	0	0	0	0	30
Not Listed/Other	0	0	0	0	0	0	0	0	0	0
<b>Grand Total</b>	<b>310</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>164</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>508</b>

\*Fireworks fire data as reported to NFIRS added to paper reports that could *not* be reconciled against NFIRS. Injury data as reported via paper Fireworks Injury reports.

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