



2009

Fire In Washington

**PREVENT FIRES
IT'S YOUR JOB!**



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CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL

General Administration Building • PO Box 42600 • Olympia, WA 98504-2600 • (360) 596-4000 • www.wsp.wa.gov

April 1, 2010

Dear Fire Service Partners and Advocates:

The "2009 Fire in Washington" Annual Report highlights the emergency response experience of the Washington State Fire Service as reported in the National Fire Incident Reporting System (NFIRS). Special thanks to the 421 fire service agencies who provided the information that made this report possible. The safety of our citizens and the communities we protect is of paramount concern for leaders at every level of government. The leaders who commit to participating in NFIRS contribute toward public safety.

When your local data is submitted to the statewide database, trends are identified that impact the quality of life in our state. The causes of fires that result in deaths, injuries, and financial loss are all important factors that assist fire prevention efforts and strategies instituted by local, state, and federal agencies.

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

Sincerely,

A handwritten signature in black ink that reads "John R. Batiste".

CHIEF JOHN R. BATISTE



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

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April 1, 2010

Dear Fire Service Partners:

The "2009 Fire in Washington" Annual Report illustrates the emergency response information reported by 86% of the fire agencies from across the state with an emphasis on fire incidents. The participating agencies protect approximately 98% of the population in Washington State. Information contained in this year's annual report details:

- Fires took the lives of 59 people.
- Fires resulting in excess of \$239 million of property and content loss.
- More than 25,300 fire incidents.
- Over 620,000 total incidents.
- More than 420,000 rescue and emergency medical service incidents.
- 200 injuries related to the use of fireworks.
- A 3% increase in fire service participation.

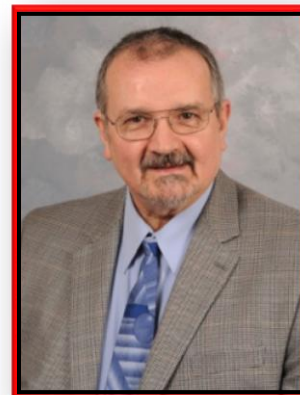
Everyday fire service personnel provide critical services to the citizens of the state of Washington. Tracking the array of emergencies that occur in our communities is an essential part of implementing and sustaining the programs and services that are needed to safeguard life and property. The National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

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

Sincerely,

A handwritten signature in black ink that reads "Paul Perz".

Acting State Fire Marshal Paul Perz





April 1, 2010

Dear Fire Service Leaders of Washington State:

We count things that are important to us. We count our kids before we leave the park, we count the dollars in our paycheck, and we count fire statistics to help provide the best possible service for our communities with the resources we have available to us.

The Washington Fire Chiefs is proud to support the National Fire Incident Reporting System (NFIRS) and encourages every fire agency to participate in the program. NFIRS provides local fire agencies with a uniform method for collecting and maintaining emergency response data. We thank the fire agencies that contributed information for inclusion in the 2009 Fire in Washington report. You make it possible to illustrate the demand for emergency services in Washington State.

Accurate and timely information is essential to supporting the efforts of decision-makers at the local, state, and national levels. We encourage all leaders to provide an emphasis on data-driven decisions while implementing, maintaining, and evaluating effective and efficient public safety programs and services. As fire service leaders, we must work together to ensure our NFIRS data is accurate and submitted to the Office of the State Fire Marshal on a timely basis. The more quickly the information is received, the sooner the resource becomes available for analysis.

The Washington Fire Chiefs values the partnership we have developed with the Office of the State Fire Marshal. We thank you for making this cooperative effort to assemble a scientific perspective of our fire incidents a priority. This is what helps to make Washington State a great community to live in and raise families!

Together we Serve, Educate and Lead!

Sincerely,

A handwritten signature in black ink that reads "Wayne Senter".

Chief Wayne Senter, CFO
President
Washington Fire Chiefs



Preface

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

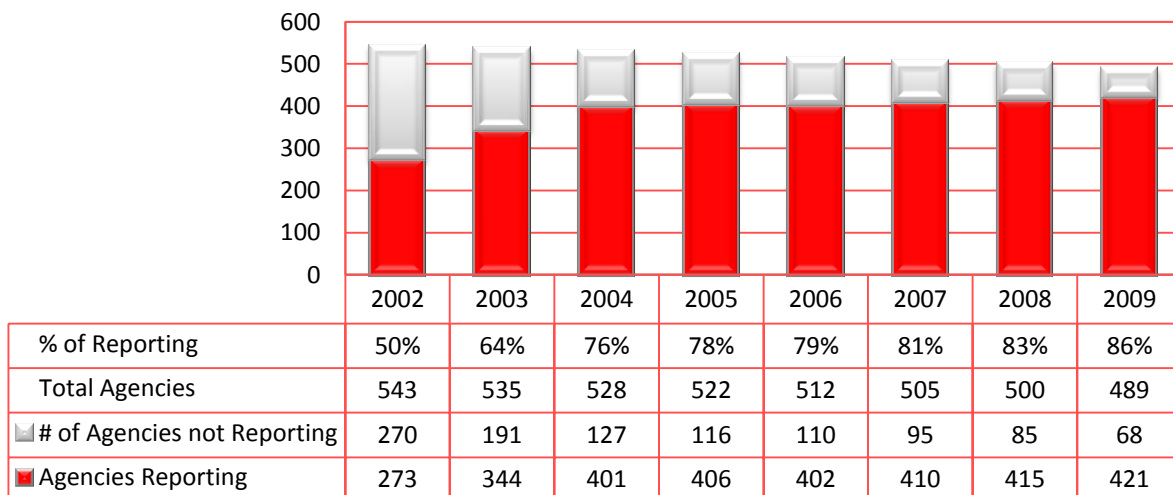
This report provides an overview of all incident categories reported, with fire information reported in 2009 as the primary focus. The statistical reports are generated from the United States Fire Administration web site based on NFIRS 5.0 data reported from the Washington State Fire Service. Figures presented may vary slightly based on the day the summary report was generated. Any data submitted after the summary reports were generated are not reflected in this publication.

Participation

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

The number of agencies participating in NFIRS continues to increase. The chart below provides the number of agencies that submitted data for inclusion in the published *Fire in Washington Annual Reports* since 2002. In 2009, participation increased 3% over the previous year with 421 out of 489 fire agencies providing information.

NFIRS 5.0 Participation in Washington State

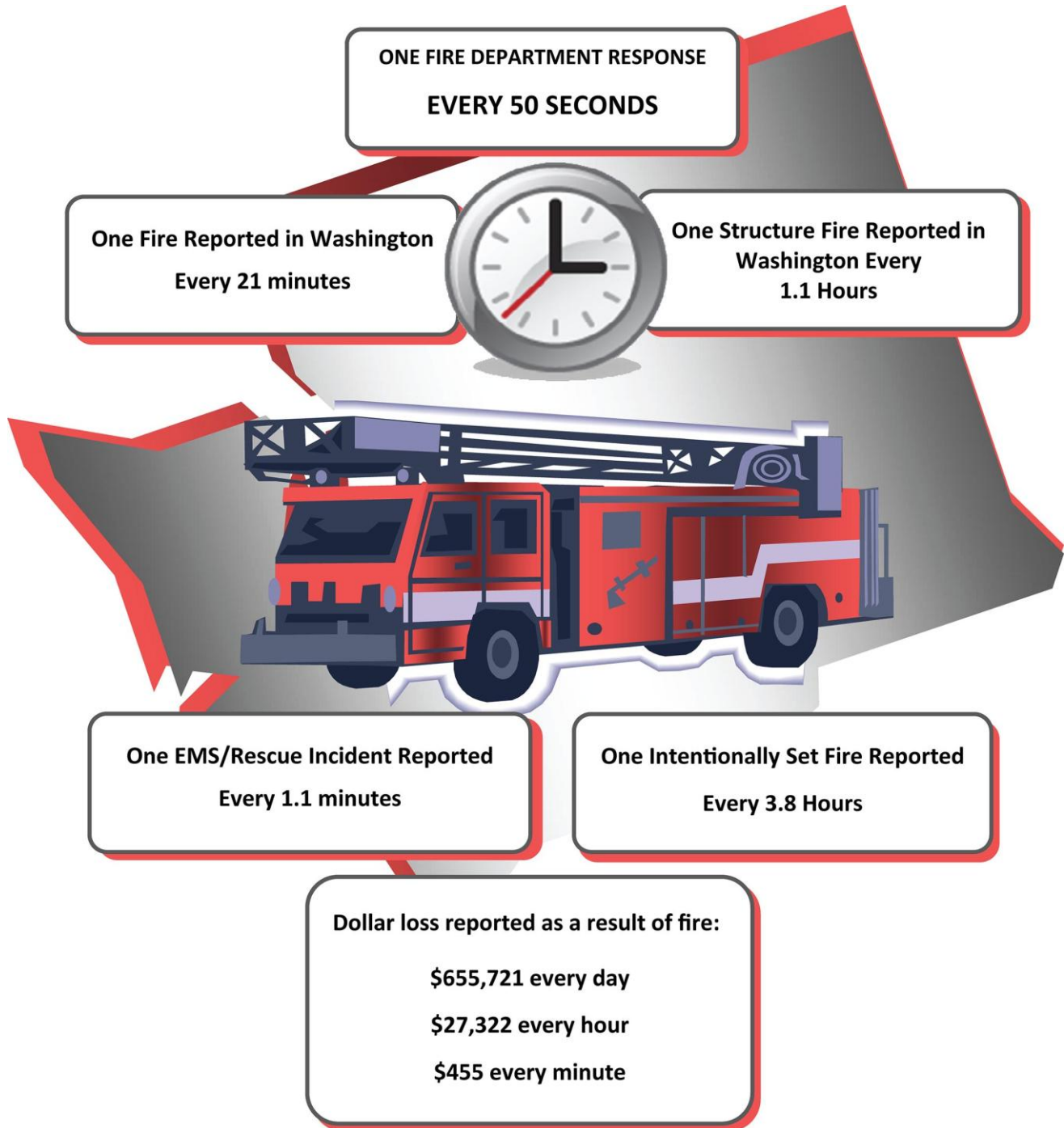


Includes agencies reporting electronically to NFIRS and agencies that submitted a statement of no fire incidents in 2009.

The Office of the State Fire Marshal will continue to work closely with the fire service to encourage participation and accurate reporting. NFIRS information is now being regularly requested by the public, media, legislature, and other state and federal agencies. In order to provide the most current fire-related information, monthly reporting by every fire agency is essential.

Washington Fire Clock

Frequency of Responses as Reported in 2009
Based on NFIRS data only.



Incident Overview

In accordance with state law, only fire incidents must be reported to the Office of the State Fire Marshal in the National Fire Incident Reporting System (NFIRS) format. Since the NFIRS standard is capable of capturing information on every incident type, several agencies opt to document and report each incident response. The summary below is based on 2009 NFIRS data reported by the 421 participating fire service agencies in Washington State.

In 2009, fire service agencies in Washington State reported over 620,000 incidents to NFIRS. Over 25,000 fire incidents occurred, which resulted in 59 fire fatalities and caused an estimated \$239 million in property and content loss. Dollar loss estimates are calculated by fire service personnel, and are not reflective of insurance settlements or actual total loss. Fire service agencies are encouraged to be as accurate as possible when estimating dollar loss because these figures are intended to provide insight into the financial impact fire has on our communities.

Rescue and Emergency Medical Service (EMS) incidents were the leading incident type category reported, accounting for approximately 71% of the total. Examples of EMS incidents include emergency medical assistance, extrications, water and ice rescues, and searches for lost persons. The figures below are based only on NFIRS data, and could be expected to be significantly higher if every fire service agency had submitted EMS data.

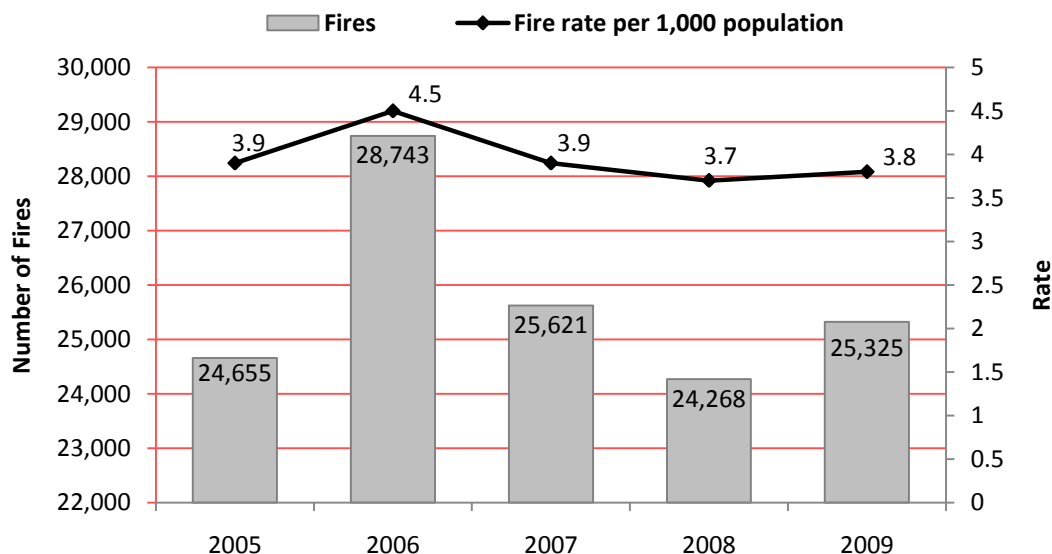
Good Intent calls were the second leading incident type category. This incident type category includes calls for assistance where the fire service was not required or was cancelled en route. In 2009, there were over 42,000 false alarms and false calls reported to NFIRS. This category includes malicious or mischievous false calls, as well as fire protection system malfunctions and unintentional fire protection system activations.

2009 Incident Type Category Summary (Sorted by dollar loss)

Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Total Loss Reported
Fires	25,325	4.1%	\$239,337,991	97.2%
<i>Structure Fires (including confined fires)</i>	7,415	1.2%	\$215,134,304	87.4%
<i>Vehicle Fires (Mobile Properties)</i>	3,848	0.6%	\$13,781,219	5.6%
<i>Fixed Mobile Property Fires</i>	300	0.0%	\$3,592,827	1.5%
<i>Natural Vegetation Fires</i>	7,657	1.2%	\$2,556,324	1.0%
<i>Cultivated Vegetation Fires</i>	184	0.0%	\$1,791,412	0.7%
<i>Outside Storage & Equipment Fires</i>	1,368	0.2%	\$1,689,055	0.7%
<i>Fire, other</i>	1,261	0.2%	\$587,524	0.2%
<i>Outside Rubbish Fires</i>	3,292	0.5%	\$205,326	0.1%
Service Calls	42,110	6.8%	\$3,172,414	1.3%
Rescue & Emergency Medical Service	438,101	70.7%	\$2,222,053	0.9%
Hazardous Conditions (No Fire)	11,594	1.9%	\$825,225	0.3%
False Alarms & False Calls	42,220	6.8%	\$514,321	0.2%
<i>Malicious or Mischievous False Alarm</i>	9,113	1.5%	\$252,200	0.1%
<i>Unintentional False Fire Protection System Activation</i>	21,116	3.4%	\$157,961	0.1%
<i>Fire Protection System Malfunction</i>	11,991	1.9%	\$104,160	0.0%
Overpressure Rupture, Explosion, Overheat (No Fire)	1,362	0.2%	\$130,950	0.1%
Severe Weather & Natural Disaster	539	0.1%	\$21,000	0.0%
Good Intent Calls	52,815	8.5%	\$4,827	0.0%
Other Types of Incidents	5,932	1.0%	\$2,650	0.0%
Undetermined Incident Type	33	0.0%	\$0	0.0%
Grand Total	620,031	100.0%	\$246,231,431	100.0%

Fire History

Over the past five years, fire service agencies have reported over 128,000 fire incidents to the Office of the State Fire Marshal. As a result of these fires, 286 people have lost their lives and more than \$1 billion of property and contents have been lost. In 2009, the number of fires increased 4% compared to the previous year. The rate per thousand population increased slightly in 2009.



Over the past five years, **structure fires** were the leading fire incident type reported. Structure fires accounted for approximately 30% of the fires reported, 87% of the estimated dollar loss, and approximately 73% of the fire fatalities. Statewide, structure fires average approximately 1.2 fires per thousand population. Structure fires include buildings or other types of structures, and fires confined to non-combustible containers such as food on the stove, chimney or flues, boilers, trash receptacles, or commercial compactors.

Natural vegetation fires were the second leading type of fire reported over the past five years, accounting for 25% of total. The dollar loss as a result of natural vegetation fires is estimated at \$9.6 million. When the weather is hot and the humidity is low, fires that start in wildlands, forests, grass or brush can spread quickly. Natural vegetation fires that consume large areas of land or burn in rugged terrain often require a significant amount of time and resources to extinguish.

Vehicle fires include mobile properties such as passenger vehicles, trains, mobile recreational vehicles, planes and off-road vehicles. Over the past five years, vehicle fires accounted for nearly 17% of the total fires reported and more than \$97 million in loss.

Fire History (Continued)

Fixed mobile property fires include mobile homes, recreational vehicles (RV) or trailers used as residences, and other portable buildings used in a fixed location. The number of incidents reported in this category represents just over 1% of the total fires reported, but accounts for nearly 23% that occurred in mobile homes, campers, trailers, or recreational vehicles.

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 approximately 5% of the fires reported over the past five years and resulted in more than \$8 million in loss.

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

The **fire, other** category is used when a more specific fire incident type is not available to describe the incident. Nearly 7% of the fires over a five year period have been indicated in this category.

Outside rubbish fires include the burning of trash or waste in or out of trash receptacles or compactors, and fires in landfills. Over the past five years, nearly 72% of the fires in this category were the burning of trash or other waste not in a container or receptacle.

2005 to 2009 Fire Incident Type Categories (Five-year total sorted by dollar loss)

	2005	2006	2007	2008	2009	5-Year Total
Structure Fires (including confined fires)						
<i># of Incidents</i>	7,857	8,183	7,786	7,854	7,415	39,095
<i>Dollar Loss</i>	\$126,043,193	\$190,338,707	\$179,914,395	\$198,657,505	\$215,134,304	\$910,088,104
Vehicle Fires (Mobile Properties)						
<i># of Incidents</i>	4,758	4,712	4,309	3,966	3,848	21,593
<i>Dollar Loss</i>	\$11,467,362	\$14,815,361	\$36,470,163	\$21,258,129	\$13,781,219	\$97,792,234
Fixed Mobile Property Fires						
<i># of Incidents</i>	283	308	295	302	300	1,488
<i>Dollar Loss</i>	\$2,178,085	\$3,085,443	\$3,148,648	\$2,676,363	\$3,592,827	\$14,681,366
Natural Vegetation Fires						
<i># of Incidents</i>	5,164	7,494	6,356	5,947	7,657	32,618
<i>Dollar Loss</i>	\$1,220,473	\$1,255,935	\$2,086,609	\$2,511,096	\$2,556,324	\$9,630,437
Outside Storage & Equipment Fires						
<i># of Incidents</i>	1,233	1,542	1,252	1,393	1,368	6,788
<i>Dollar Loss</i>	\$1,716,080	\$1,461,158	\$2,469,389	\$781,463	\$1,689,055	\$8,117,145
Cultivated Vegetation Fires						
<i># of Incidents</i>	166	165	191	170	184	876
<i>Dollar Loss</i>	\$506,105	\$436,850	\$999,124	\$1,296,935	\$1,791,412	\$5,030,426
Fire, other						
<i># of Incidents</i>	1,710	2,336	1,926	1,202	1,261	8,435
<i>Dollar Loss</i>	\$1,094,454	\$732,178	\$744,361	\$588,123	\$587,524	\$3,746,640
Outside Rubbish Fires						
<i># of Incidents</i>	3,494	4,022	3,517	3,614	3,292	17,939
<i>Dollar Loss</i>	\$110,372	\$377,808	\$390,872	\$620,676	\$205,326	\$1,705,054
Total Number of Incidents	24,665	28,762	25,632	24,448	25,325	128,832
Total Dollar Loss Reported	\$144,336,124	\$212,503,440	\$226,223,561	\$228,390,290	\$239,337,991	\$1,050,791,406

Fires by Heat Source

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

Operating Equipment remains the leading known heat source, accounting for over 28% of the fires and nearly 24% of the dollar loss reported between 2005 and 2009. Operating equipment includes sparks, embers, or flames from operating equipment, radiated or conducted heat from operating equipment, and electrical arcing.

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

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

Undetermined heat source is used when the specific heat source cannot be identified, and is the cause that fire investigation standards recommended when a definitive cause cannot be identified. Of the heat sources reported over the past five years, approximately 34% were reported as undetermined. Since an undetermined heat source does not provide definitive cause, the Office of the State Fire Marshal continues to work with local fire agencies to ensure the most accurate information is reported to NFIRS. In some cases, the fire investigation findings are not updated in the NFIRS reports.

2005 – 2009 Heat Source Categories (Five-year total sorted by dollar loss)

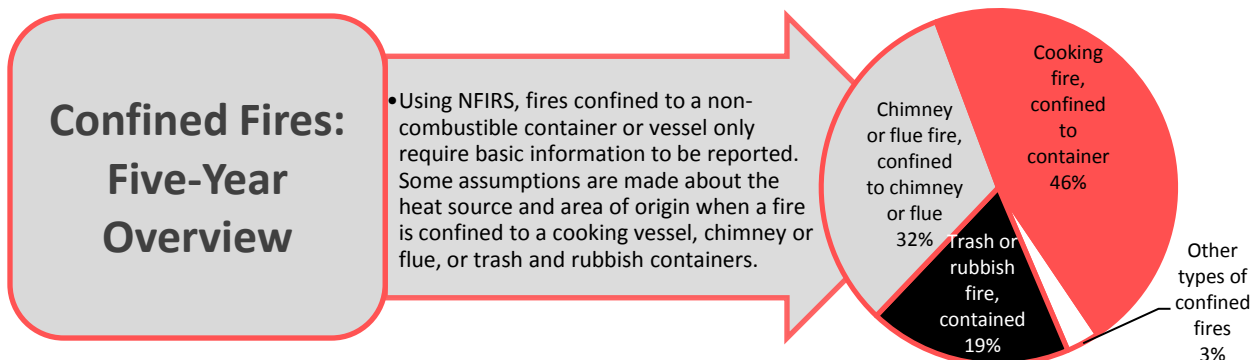
Heat Source by Category		2005	2006	2007	2008	2009	5-Year Total
Undetermined	<i># of Incidents</i>	4,828	5,346	5,302	5,590	6,000	27,066
	<i>Dollar Loss</i>	\$55,825,884	\$100,769,604	\$82,494,753	\$89,607,308	\$111,819,136	\$440,516,685
Operating Equipment	<i># of Incidents</i>	4,146	4,215	4,167	4,694	4,591	21,813
	<i>Dollar Loss</i>	\$38,932,051	\$52,015,748	\$50,557,470	\$53,729,939	\$52,271,997	\$247,507,205
Open Flame or Smoking Material	<i># of Incidents</i>	2,070	2,426	2,013	2,231	2,396	11,136
	<i>Dollar Loss</i>	\$20,509,017	\$20,004,680	\$19,181,008	\$33,686,183	\$28,837,123	\$122,218,011
Hot or Smoldering Object	<i># of Incidents</i>	1,585	1,999	1,804	2,096	2,151	9,635
	<i>Dollar Loss</i>	\$9,676,746	\$15,391,945	\$27,978,029	\$20,682,558	\$22,960,451	\$96,689,729
Heat Source Other	<i># of Incidents</i>	598	677	687	844	771	3,577
	<i>Dollar Loss</i>	\$6,321,977	\$3,956,766	\$10,729,040	\$15,619,135	\$4,137,053	\$40,763,971
Explosives and Fireworks	<i># of Incidents</i>	435	587	553	457	790	2,822
	<i>Dollar Loss</i>	\$3,148,639	\$7,013,198	\$22,597,854	\$1,844,440	\$5,463,285	\$40,067,416
Heat Spread from Another Fire	<i># of Incidents</i>	17	160	243	344	448	1,212
	<i>Dollar Loss</i>	\$1,076,223	\$6,826,812	\$6,575,619	\$4,684,607	\$4,921,773	\$24,085,034
Chemical or Natural	<i># of Incidents</i>	163	247	222	266	305	1,203
	<i>Dollar Loss</i>	\$4,154,573	\$2,542,120	\$2,899,319	\$3,239,026	\$4,976,871	\$17,811,909
Multiple Heat Sources	<i># of Incidents</i>	81	74	65	76	69	365
	<i>Dollar Loss</i>	\$510,800	\$1,446,700	\$369,175	\$2,916,400	\$301,804	\$5,544,879
Total # of Incidents		13,923	15,731	15,056	16,598	17,521	78,829
Total Dollar Loss		\$140,155,910	\$209,967,573	\$223,382,267	\$226,009,596	\$235,689,493	\$1,035,204,839

Area of Origin

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

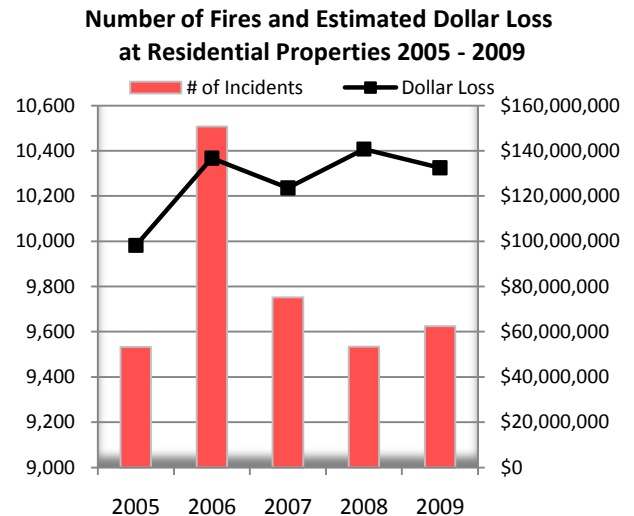
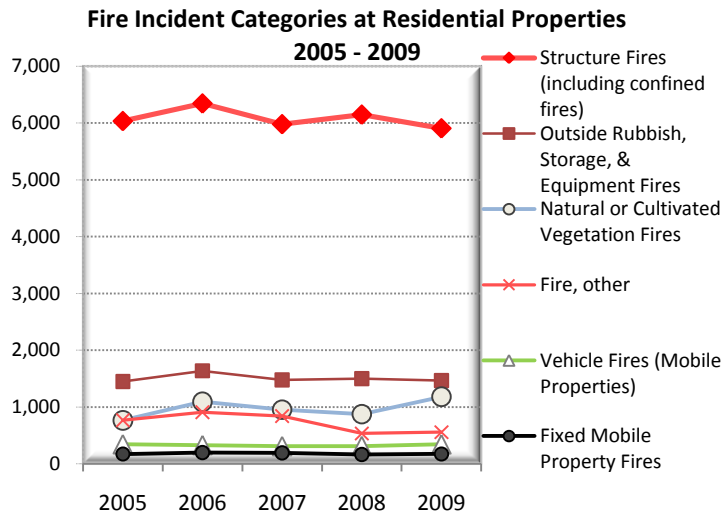
The leading areas of origin reported between 2005 and 2009 are those fires starting in outside areas (32%) and in vehicle areas (24%). Fires that started in functional areas resulted in the greatest amount of dollar loss to property and contents. Bedrooms, dining or eating areas, kitchens, bathrooms, laundry rooms, office spaces, and other functional areas are included in this category. Fires that started in structural areas such as crawl spaces, balconies or enclosed porches, attics, wall assemblies and surfaces, roof surfaces, and awnings have accounted for more than \$198 million in loss over the past five years.

Area of Origin by Categories		2005	2006	2007	2008	2009	5-Year Total (Sorted by dollar loss)
Functional Areas	# of Incidents	1,910	2,248	2,265	2,677	2,745	11,845
	Dollar Loss	\$37,118,484	\$46,304,789	\$46,128,192	\$56,560,934	\$49,275,796	\$235,388,195
Structural Areas	# of Incidents	963	1,105	1,026	1,163	1,129	5,386
	Dollar Loss	\$26,509,480	\$53,106,039	\$41,524,801	\$38,172,096	\$39,312,410	\$198,624,826
Storage Areas	# of Incidents	702	692	683	704	726	3,507
	Dollar Loss	\$18,657,656	\$26,646,859	\$32,001,643	\$35,890,244	\$39,027,786	\$152,224,188
Undetermined	# of Incidents	1,222	1,304	1,238	1,287	1,382	6,433
	Dollar Loss	\$17,022,923	\$30,842,947	\$24,380,707	\$21,956,758	\$39,467,462	\$133,670,797
Outside Areas	# of Incidents	3,743	5,083	4,591	5,479	6,457	25,353
	Dollar Loss	\$9,756,545	\$9,674,678	\$28,549,922	\$22,890,540	\$12,015,615	\$82,887,300
Vehicle Areas	# of Incidents	4,095	4,045	3,716	3,496	3,363	18,715
	Dollar Loss	\$12,014,655	\$12,568,839	\$13,910,502	\$17,834,365	\$13,389,773	\$69,718,134
Areas for Groups of People (Assembly)	# of Incidents	288	234	317	299	320	1,458
	Dollar Loss	\$6,287,491	\$10,333,537	\$19,683,021	\$7,476,305	\$16,119,594	\$59,899,948
Service or Equipment Areas	# of Incidents	403	409	445	556	501	2,314
	Dollar Loss	\$7,505,202	\$11,346,443	\$9,097,239	\$16,312,682	\$8,753,186	\$53,014,752
Exit/Exit Access/Exit Discharge Areas	# of Incidents	177	159	207	201	217	961
	Dollar Loss	\$2,865,881	\$4,283,036	\$4,086,310	\$4,740,582	\$4,727,091	\$20,702,900
Other Areas of Origin	# of Incidents	372	414	518	695	635	2,634
	Dollar Loss	\$1,520,968	\$1,747,546	\$2,551,482	\$2,839,671	\$10,653,280	\$19,312,947
Technical Processing Areas	# of Incidents	44	38	49	40	54	225
	Dollar Loss	\$896,575	\$3,112,860	\$1,468,448	\$1,339,919	\$2,955,000	\$9,772,802
Total # of Incidents		13,919	15,731	15,055	16,597	17,529	78,831
Total Dollar Loss		\$140,155,860	\$209,967,573	\$223,382,267	\$226,014,096	\$235,696,993	\$1,035,216,789



Fires at Residential Properties

Fires at residential properties are a significant problem in terms of the impact on lives and property. Over the past five years, 73% of the fire fatalities in Washington State occurred in residential properties. As categorized NFIRS, residential properties include one- and two- family dwellings, multi-family dwellings, board and care, hotel/motel, college housing, barracks, and dormitories.



Residential Property Uses		2005	2006	2007	2008	2009	5-Year Total (Sorted by dollar loss)
1 or 2 family dwellings	# of Incidents	7,122	7,772	7,287	7,192	7,282	36,655
	Dollar Loss	\$73,724,081	\$96,475,139	\$99,003,736	\$111,980,745	\$103,579,489	\$484,543,190
Multifamily dwellings	# of Incidents	1,802	2,015	1,777	1,682	1,689	8,965
	Dollar Loss	\$20,604,347	\$23,357,790	\$19,619,352	\$25,456,586	\$22,046,462	\$111,084,537
Other Residential Uses	# of Incidents	609	721	688	660	652	3,330
	Dollar Loss	\$3,838,851	\$16,933,651	\$4,922,677	\$3,317,511	\$6,841,762	\$35,854,452
Total # of Incidents		9,533	10,508	9,752	9,534	9,623	48,950
Total Dollar Loss		\$98,167,279	\$136,766,580	\$123,545,765	\$140,754,842	\$132,467,713	\$631,482,179

Fire Incident Type Category		2005	2006	2007	2008	2009	5-Year Total
Cultivated Vegetation Fires	# of Incidents	24	17	21	13	15	90
	Dollar Loss	\$3,455	\$3,200	\$2,366	\$200	\$7,700	\$16,921
Fire, other	# of Incidents	769	910	841	534	557	3,611
	Dollar Loss	\$805,530	\$504,952	\$412,391	\$408,196	\$428,821	\$2,559,890
Fixed Mobile Property Fires	# of Incidents	173	198	193	166	174	904
	Dollar Loss	\$1,849,745	\$2,397,153	\$2,706,573	\$2,132,707	\$2,899,127	\$11,985,305
Natural Vegetation Fires	# of Incidents	741	1,075	932	860	1,166	4,774
	Dollar Loss	\$884,790	\$64,331	\$265,038	\$242,594	\$70,156	\$1,526,909
Outside Rubbish Fires	# of Incidents	1,253	1,377	1,282	1,293	1,211	6,416
	Dollar Loss	\$20,892	\$18,723	\$44,696	\$41,813	\$52,778	\$178,902
Outside Storage & Equipment Fires	# of Incidents	196	260	194	208	254	1,112
	Dollar Loss	\$43,048	\$60,501	\$142,457	\$191,240	\$52,135	\$489,381
Structure Fires (including confined fires)	# of Incidents	6,033	6,342	5,978	6,146	5,905	30,404
	Dollar Loss	\$93,486,694	\$132,741,080	\$118,702,448	\$136,132,557	\$127,444,706	\$608,507,485
Vehicle Fires (Mobile Properties)	# of Incidents	344	329	311	314	343	1,641
	Dollar Loss	\$1,073,125	\$976,640	\$1,269,796	\$1,605,535	\$1,512,290	\$6,437,386
Total # of Incidents		9,533	10,508	9,752	9,534	9,625	48,952
Total Dollar Loss		\$98,167,279	\$136,766,580	\$123,545,765	\$140,754,842	\$132,467,713	\$631,702,179

Automatic Extinguishing System

In 2009, there were 443 fire incidents reported at properties with full or partial automatic extinguishing systems present. There were 115 successful fire suppression system activations reported. These activations protected \$249 million in property and saved 97% of the property and contents with a loss of only \$7.5 million.

Of the 59 fire fatalities reported during 2009, one occurred in a building that was equipped with fire sprinklers. The fire started in a chair where the victim was sitting. The fire sprinkler system activated and contained the fire.

Property Use Category	Number of Incidents	Property and Content Loss Reported	Estimated Property and Content Value
Mercantile and Business	9	\$6,163,700	\$10,590,350
Health Care, Detention, and Corrections	4	\$668,400	\$4,534,000
Residential	69	\$353,194	\$68,476,394
<i>1 or 2 family dwelling</i>	5	\$3,500	\$353,000
<i>Multifamily dwellings</i>	57	\$311,944	\$46,735,050
<i>Hotel/motel, commercial</i>	5	\$30,250	\$21,288,344
<i>Residential board and care</i>	1	\$0	\$0
<i>Dormitory type residence, other</i>	1	\$7,500	\$100,000
Manufacturing, processing	10	\$186,000	\$142,130,000
Assembly	10	\$132,300	\$5,098,000
Educational Uses	4	\$33,300	\$16,251,170
Industrial, Utility, Defense, Agriculture, & Mining	4	\$5,500	\$5,500
Storage	3	\$600	\$267,600
Outside or Special Properties	1	\$0	\$0
Other	1	\$0	\$2,050,000
Grand Total	115	\$7,542,994	\$249,403,014

Sorted by dollar loss.

Fires in homes pose one of the biggest threats to people. In 2009, there were more than 5,800 structure fires in single and multi-family properties, resulting in 41 fire fatalities and dollar loss in excess of \$127 million. Home fire sprinklers are a proven way to protect lives and property against fires at home. Sprinklers save lives.

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

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



Cause of Ignition

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

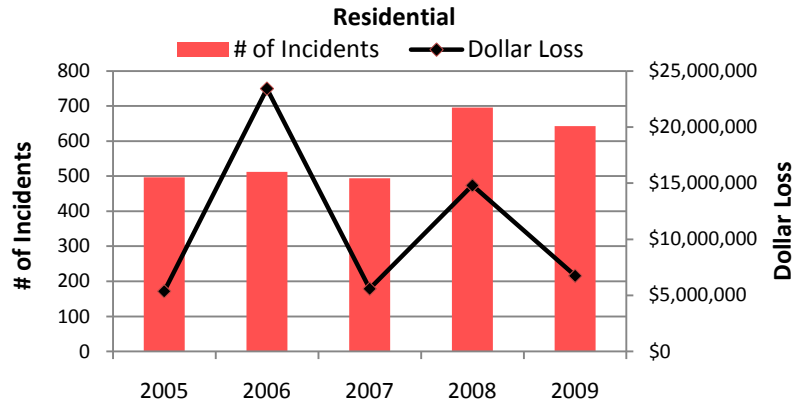
2005 – 2009 Cause of Ignition		2005	2006	2007	2008	2009	5-Year Total
Unintentional	# of Incidents	5,286	6,289	5,971	6,994	7,688	32,228
	Dollar Loss	\$56,975,734	\$81,980,817	\$76,763,506	\$87,601,386	\$75,407,364	\$378,728,807
Cause under investigation	# of Incidents	1,323	1,313	1,321	1,387	1,552	6,896
	Dollar Loss	\$36,729,293	\$44,514,118	\$61,384,099	\$64,937,975	\$91,731,086	\$299,296,571
Failure of equipment or heat source	# of Incidents	2,524	2,552	2,416	2,528	2,445	12,465
	Dollar Loss	\$14,812,015	\$20,700,310	\$19,942,327	\$23,951,195	\$29,083,396	\$108,489,243
Intentional	# of Incidents	1,960	2,138	2,045	2,288	2,310	10,741
	Dollar Loss	\$11,151,474	\$27,182,715	\$35,085,045	\$21,490,262	\$11,481,214	\$106,390,710
Cause undetermined after investigation	# of Incidents	1,903	2,220	2,221	2,222	2,477	11,043
	Dollar Loss	\$10,567,671	\$19,711,799	\$21,174,643	\$22,528,399	\$22,898,711	\$96,881,223
Cause, other (conversion & exposure 1 only)	# of Incidents	783	989	877	926	719	4,294
	Dollar Loss	\$9,615,993	\$14,689,014	\$7,336,254	\$5,037,609	\$3,531,170	\$40,210,040
Act of nature	# of Incidents	152	231	206	254	335	1,178
	Dollar Loss	\$303,230	\$1,188,800	\$496,393	\$467,770	\$1,564,052	\$4,020,245
Total # of Incidents		13,931	15,732	15,057	16,599	17,526	78,845
Total Dollar Loss		\$140,155,410	\$209,967,573	\$222,182,267	\$226,014,596	\$235,696,993	\$1,034,016,839

Intentionally Set Fires by Property Use

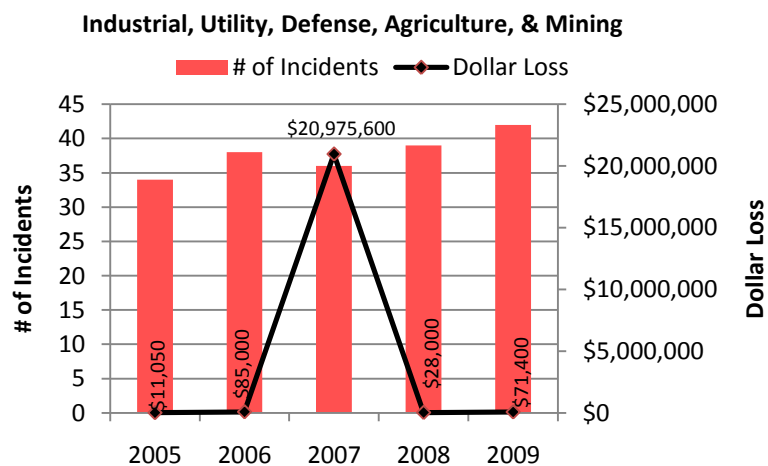
In accordance with NFIRS, intentionally set fires are those fires set deliberately by the misuse of a heat source or the intentional ignition of property. Intentionally set fires result in millions of dollars in property loss in our state each year. The information below is based on the incidents reported through the Fire Module and does not specifically indicate the arson cases in Washington State.

2005 – 2009 Property Use Categories		2005	2006	2007	2008	2009	5-Year Total
Residential	# of Incidents	497	512	494	696	643	2,842
	Dollar Loss	\$5,374,591	\$23,430,083	\$5,596,844	\$14,804,166	\$6,752,213	\$55,957,897
Industrial, Utility, Defense, Agriculture, & Mining	# of Incidents	34	38	36	39	42	189
	Dollar Loss	\$11,050	\$85,000	\$20,975,600	\$28,000	\$71,400	\$21,171,050
Storage	# of Incidents	60	66	58	52	44	280
	Dollar Loss	\$464,582	\$643,326	\$4,305,893	\$250,375	\$1,421,275	\$7,085,451
Assembly	# of Incidents	47	49	53	49	59	257
	Dollar Loss	\$2,270,331	\$173,010	\$1,274,805	\$3,037,005	\$86,660	\$6,841,811
Outside or Special Properties	# of Incidents	829	906	839	905	994	4,473
	Dollar Loss	\$1,100,306	\$808,022	\$850,149	\$1,618,221	\$1,408,992	\$5,785,690
Mercantile and Business	# of Incidents	41	52	64	52	51	260
	Dollar Loss	\$1,439,210	\$933,670	\$168,600	\$1,330,308	\$748,960	\$4,620,748
Educational Uses	# of Incidents	55	63	64	80	65	327
	Dollar Loss	\$31,486	\$631,979	\$1,628,930	\$90,325	\$75,229	\$2,457,949
Other Property Uses	# of Incidents	64	73	68	74	50	329
	Dollar Loss	\$179,850	\$326,990	\$184,518	\$284,499	\$164,770	\$1,140,627
Health Care, Detention, and Corrections	# of Incidents	9	13	9	11	12	54
	Dollar Loss	\$208,500	\$130,505	\$14,870	\$6,100	\$721,126	\$1,081,101
Undetermined	# of Incidents	306	343	331	293	301	1,574
	Dollar Loss	\$36,568	\$11,130	\$63,686	\$10,223	\$14,914	\$136,521
None	# of Incidents	16	11	20	17	15	79
	Dollar Loss	\$35,000	\$9,000	\$21,050	\$21,500	\$6,000	\$92,550
Manufacturing, processing	# of Incidents	2	6	8	4	5	25
	Dollar Loss	\$0	\$0	\$100	\$500	\$6,000	\$6,600
Total # of Incidents		1,960	2,132	2,044	2,272	2,281	10,689
Total Dollar Loss		\$11,151,474	\$27,182,715	\$35,085,045	\$21,481,222	\$11,477,539	\$106,377,995

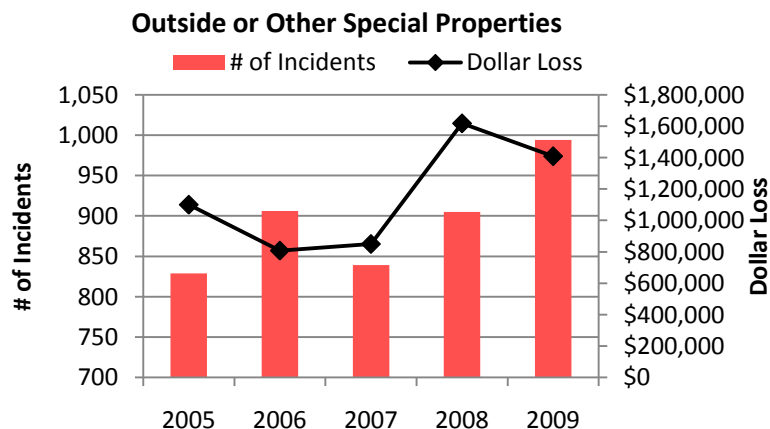
Residential properties accounted for nearly 27% of the total intentionally set fires over the past five years and 53% of the dollar loss reported. These fires have resulted in approximately \$56 million in loss to property and contents.



Industrial, Utility, Defense, Agricultural, and Mining properties have a low occurrence of intentionally set fires, but when a fire happens, there is potential for substantial dollar loss. Over the past five years, there have been 189 intentionally set fires reported, with loss to property and content estimated at over \$21 million.



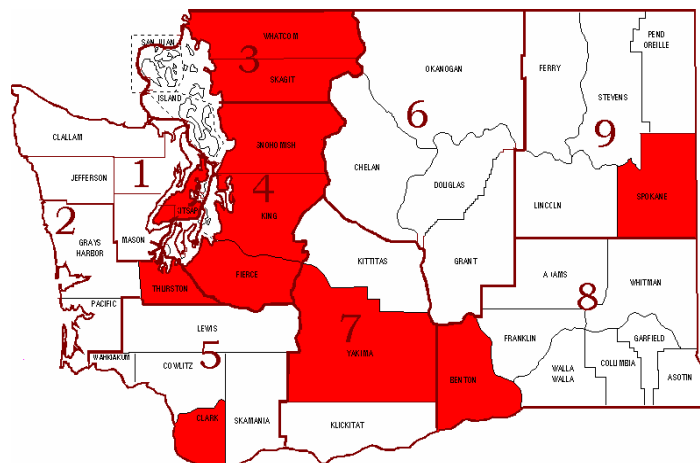
Intentionally set fires occur most frequently in properties categorized as **Outside or Other Special Properties**. Over the past five years, 42% of the intentionally set fires reported occurred in this property category. The fire service responds to an average of 894 calls per year in this category alone.



Incidents Based on Population

In Washington State, 11 of the 39 counties have populations of over 100,000, representing 83% of the state's population. In 2009, approximately 86% of the incidents and 66% of the dollar loss reported as a result of fire occurred in the most densely populated counties.

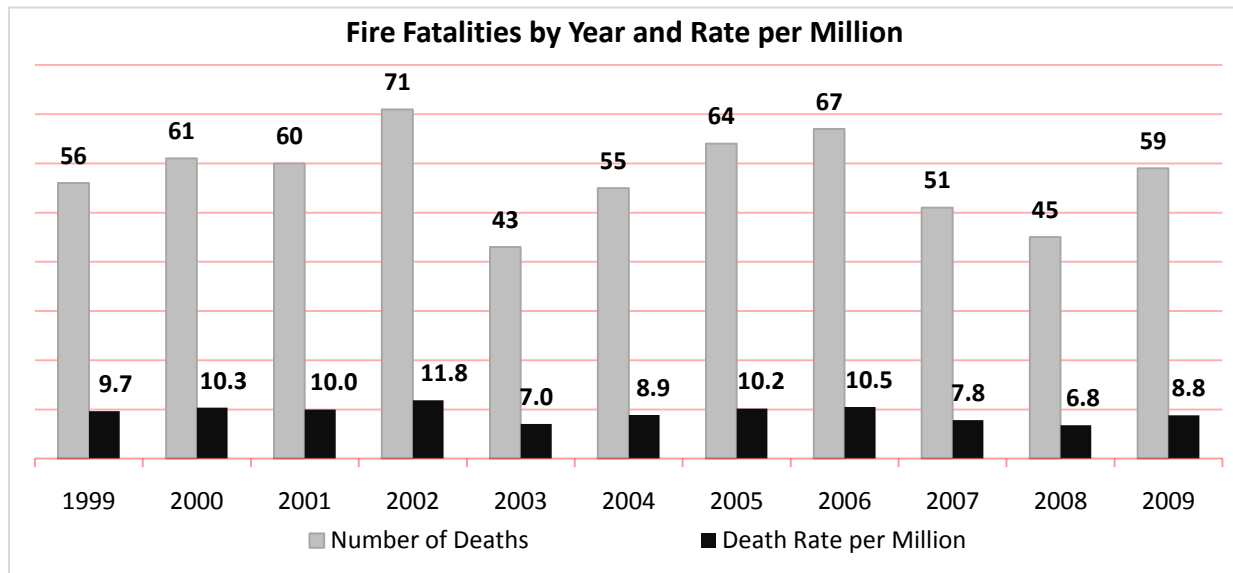
	11 Counties with Populations Over 100,000		28 Counties with Populations Under 100,000		Statewide	
Estimated Population (Based on figures from the Washington State Office of Financial Management)	5,540,500	83%	1,127,700	17%	6,668,200	
Incident Type Categories	# of Incidents	% of Total	# of Incidents	% of Total	# of Incidents	% of Total
Rescue & Emergency Medical Service	377,651	60.9%	60,450	9.7%	438,101	70.7%
Good Intent Calls	46,301	7.5%	6,514	1.1%	52,815	8.5%
False Alarms & False Calls	36,768	5.9%	5,452	0.9%	42,220	6.8%
<i>Fire Protection System Malfunction</i>	10,799	1.7%	1,258	0.2%	12,057	1.9%
<i>Malicious or Mischievous False Alarm</i>	7,301	1.2%	1,746	0.3%	9,047	1.5%
<i>Unintentional False Fire Protection System Activation</i>	18,668	3.0%	2,448	0.4%	21,116	3.4%
Service Calls	37,090	6.0%	5,020	0.8%	42,110	6.8%
Fires	19,061	3.1%	6,264	1.0%	25,325	4.1%
<i>Cultivated Vegetation Fires</i>	79	0.0%	105	0.0%	184	0.0%
<i>Fire, Other</i>	817	0.1%	442	0.1%	1,259	0.2%
<i>Fixed Mobile Property Fires</i>	189	0.0%	111	0.0%	300	0.0%
<i>Natural Vegetation Fires</i>	5,643	0.9%	2,014	0.3%	7,657	1.2%
<i>Outside Rubbish Fires</i>	2,577	0.4%	715	0.1%	3,292	0.5%
<i>Outside Storage & Equipment Fires</i>	1,123	0.2%	245	0.0%	1,368	0.2%
<i>Structure Fires (including confined fires)</i>	5,663	0.9%	1,754	0.3%	7,417	1.2%
<i>Vehicle Fires (Mobile Properties)</i>	2,970	0.5%	878	0.1%	3,848	0.6%
Hazardous Conditions (No Fire)	9,764	1.6%	1,830	0.3%	11,594	1.9%
Other Types of Incidents	4,798	0.8%	1,134	0.2%	5,932	1.0%
Overpressure Rupture, Explosion, Overheat (No Fire)	1,200	0.2%	162	0.0%	1,362	0.2%
Severe Weather & Natural Disaster	337	0.1%	202	0.0%	539	0.1%
Undetermined Incident Type	33	0.0%	0	0.0%	33	0.0%
Total Number of Incidents	533,003	86.0%	87,028	14.0%	620,031	100.0%
Dollar Loss as a Result of Fire	\$158,991,928	66.4%	\$80,346,063	33.6%	\$239,337,991	100.0%



■ Counties with populations greater than 100,000

Fire Fatalities

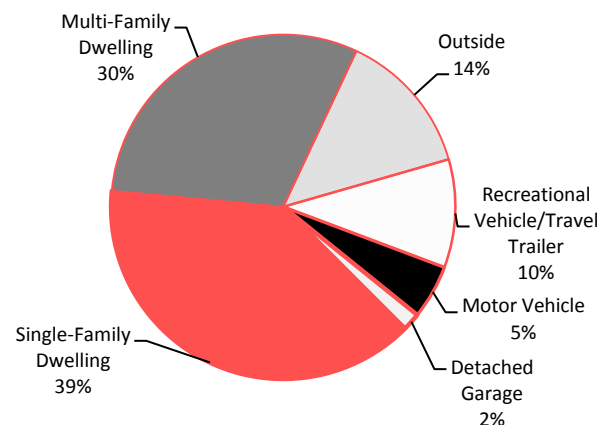
In 2009, fire agencies reported 59 fire fatalities to the Office of the State Fire Marshal. Compared to the previous year, fire fatalities increased 31%, raising the rate in Washington State to 8.8 fire deaths per million population. According to the latest available national statistics (2006 figures), the United States rate is 13.2 fire deaths per million population – Washington ranked 20th lowest in the nation.



Places Fire Fatalities Occurred in 2009

Fire fatalities occur most frequently where people live or sleep. In 2009, nearly 70% of the fire fatalities occurred in residential occupancies, and another 10% occurred in recreational vehicles or travel trailers. Of the deaths that occurred in single family dwellings, approximately 22% were classified as mobile homes.

Categories	Total	% of Total
Single-Family Dwellings	23	39.0%
Multi-Family Dwelling	18	30.5%
Outside	8	13.6%
Recreational Vehicle/Travel Trailer	6	10.2%
Motor Vehicle	3	5.1%
Detached Garage	1	1.7%
Grand Total	59	100.0%



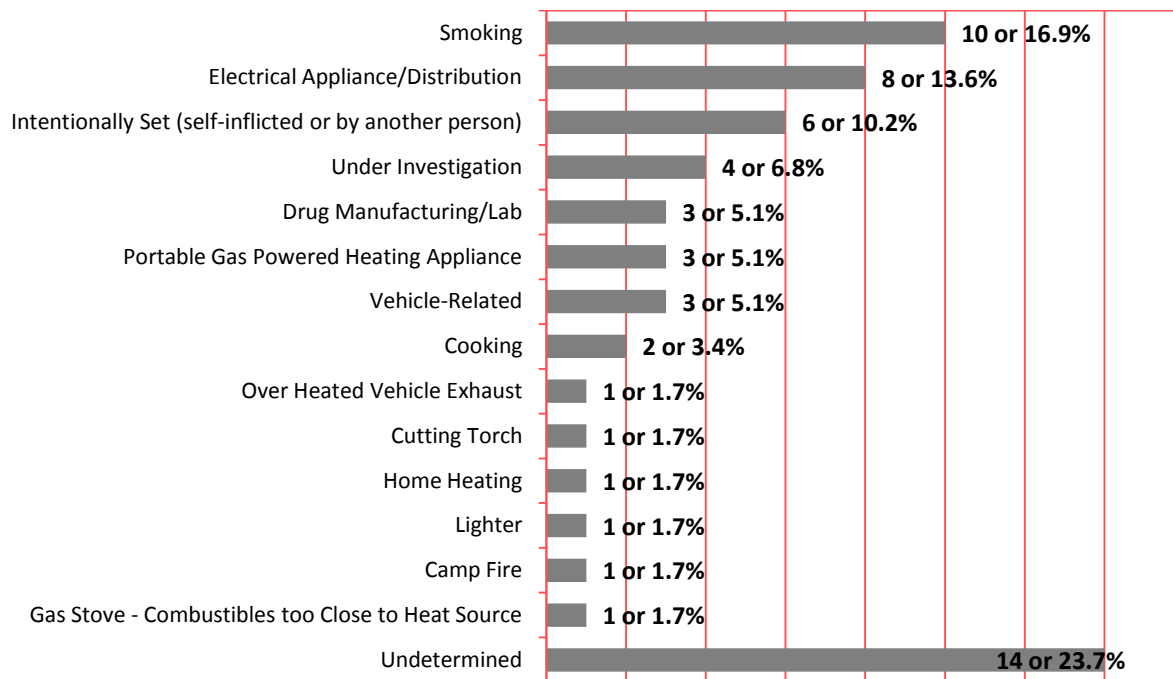
2009 Fire Fatality Causes

Of the fire fatalities reported in 2009, **smoking**-related fires were the leading cause accounting for approximately 17% of the total. Ninety percent of the deaths occurred in single or multi-family dwellings, and one incident claimed the lives of two people.

Electrical-related fires were the second leading cause resulting in approximately 14% of the total. All of these deadly fires occurred in single and multi-family dwellings, and one claimed the lives of three people.

The third leading fatal fire cause reported was **intentionally set** fire, representing 10% of the deaths. Approximately 83% of the intentionally set fires were identified as suicides.

Undetermined fire cause is indicated when the exact fire cause cannot be clearly identified by the fire investigator.



Age and Gender of Fire Fatalities

A person's age and gender plays a role in their ability to escape a fire situation. On a national level, the United States Fire Administration indicates that the fire death rate for males is 1-½ to 2 times that of women. In Washington State during 2009, males accounted for nearly 53% of all fire fatalities.

The figures below show that people age 50 and older accounted for nearly 65% of fire fatalities in 2009. As people age, it may become more difficult to react quickly to an emergency, assistance may be required to exit a building, hearing loss may reduce the ability to hear sounding smoke alarms, and medications may slow decision-making abilities.

Sadly, seven children under the age of 10 lost their lives in deadly fires in 2009. Young children, especially infants, lack the ability or knowledge to evacuate a burning building; they are reliant upon others to help them escape.

Age Group	Female		Male		Unknown		Grand Total	% of Total
	Total	% of Total	Total	% of Total	Total	% of Total		
10 & Under	5	8.5%	2	3.4%	0	0.0%	7	11.9%
11 - 19	0	0.0%	0	0.0%	0	0.0%	0	0.0%
20 - 29	2	3.4%	5	8.5%	0	0.0%	7	11.9%
30 - 39	1	1.7%	4	6.8%	0	0.0%	5	8.5%
40 - 49	1	1.7%	1	1.7%	0	0.0%	2	3.4%
50 - 59	6	10.2%	12	20.3%	0	0.0%	18	30.5%
60 - 69	6	10.2%	3	5.1%	0	0.0%	9	15.3%
70 - 79	3	5.1%	3	5.1%	0	0.0%	6	10.2%
80 & Older	3	5.1%	0	0.0%	0	0.0%	3	5.1%
Unknown	0	0.0%	1	1.7%	1	1.7%	2	3.4%
Grand Total	27	45.8%	31	52.5%	1	1.7%	59	100.0%

Multi-Fatality Fires

In 2009, five fires resulted in the deaths of 13 people or 22% of the total. The fires are listed below:

January 17 -- 2 people died in a smoking-related apartment fire.

February 26 -- 3 people died in a recreational vehicle fire started by an illegal drug manufacturing operation.

July 9 -- 2 people died in a single family residence; the fire cause was undetermined.

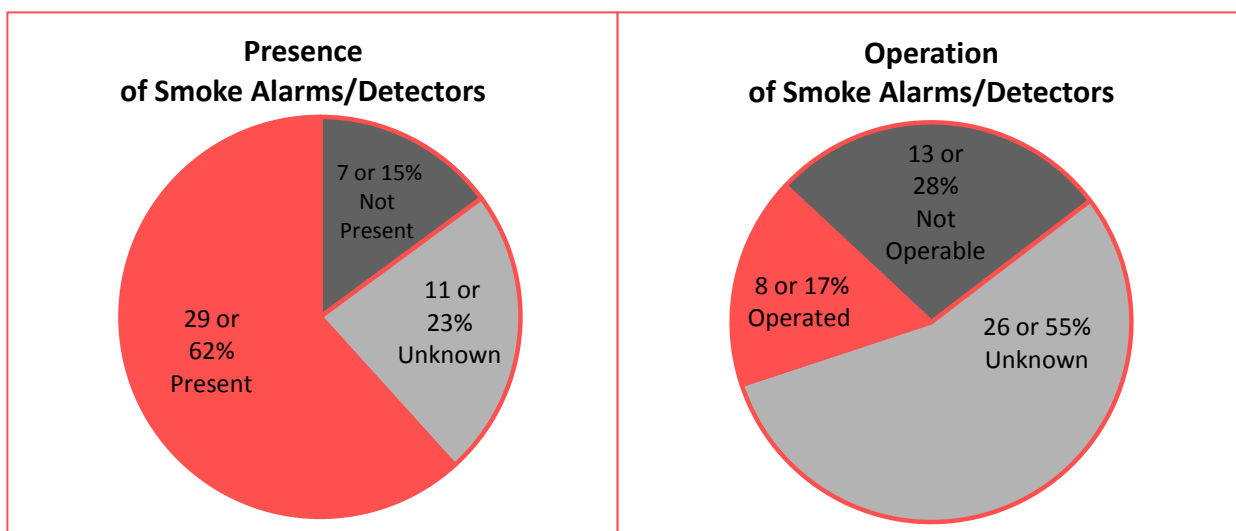
August 12 -- 3 people died in an electrical-related mobile home fire.

December 22 -- 3 people died in an apartment fire; the fire cause is under investigation.

Fire Protection Devices

Fire protection equipment – such as smoke alarms and fire sprinklers – play a critical role in reducing the loss of life in fires. Smoke alarms detect the presence of smoke and provide early notification for building occupants. Fire sprinklers are designed to suppress the spread of fire and provide added protection to building occupants, especially individuals not capable of self preservation.

The charts below summarize the information reported about smoke alarms and detectors in 2009. Of the 59 fire fatalities reported, 47 deaths occurred in places where alarms or detectors were present. Twelve deaths were not included in this analysis as these fires occurred in vehicles or outside where no fire protection equipment was installed.



Fire Sprinkler Systems

In 2009, one fire fatality occurred in a building equipped with fire sprinklers. The fire started on or near on the person involved and was not large enough to activate the fire sprinkler system.

Causes of Fire Fatalities over the Past Five Years

Smoking-related fires have historically been the leading known cause for fire fatalities in Washington State. Over the past five years, nearly 18% of the fire fatalities have been smoking-related. Once again in 2009, smoking was reported as the leading cause of fire fatalities resulting in 17% of the deaths. 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 **electrical appliances or distribution** are the second leading cause for fire fatalities on a five year average, resulting in 14% of the total. In 2009, nearly 14% of the fire deaths were reported as electrical-related. Poor maintenance, improper installation or use of electrical equipment, overloaded circuits, or the use of extension cords in place of permanent wiring contributes to electrical-related fires.

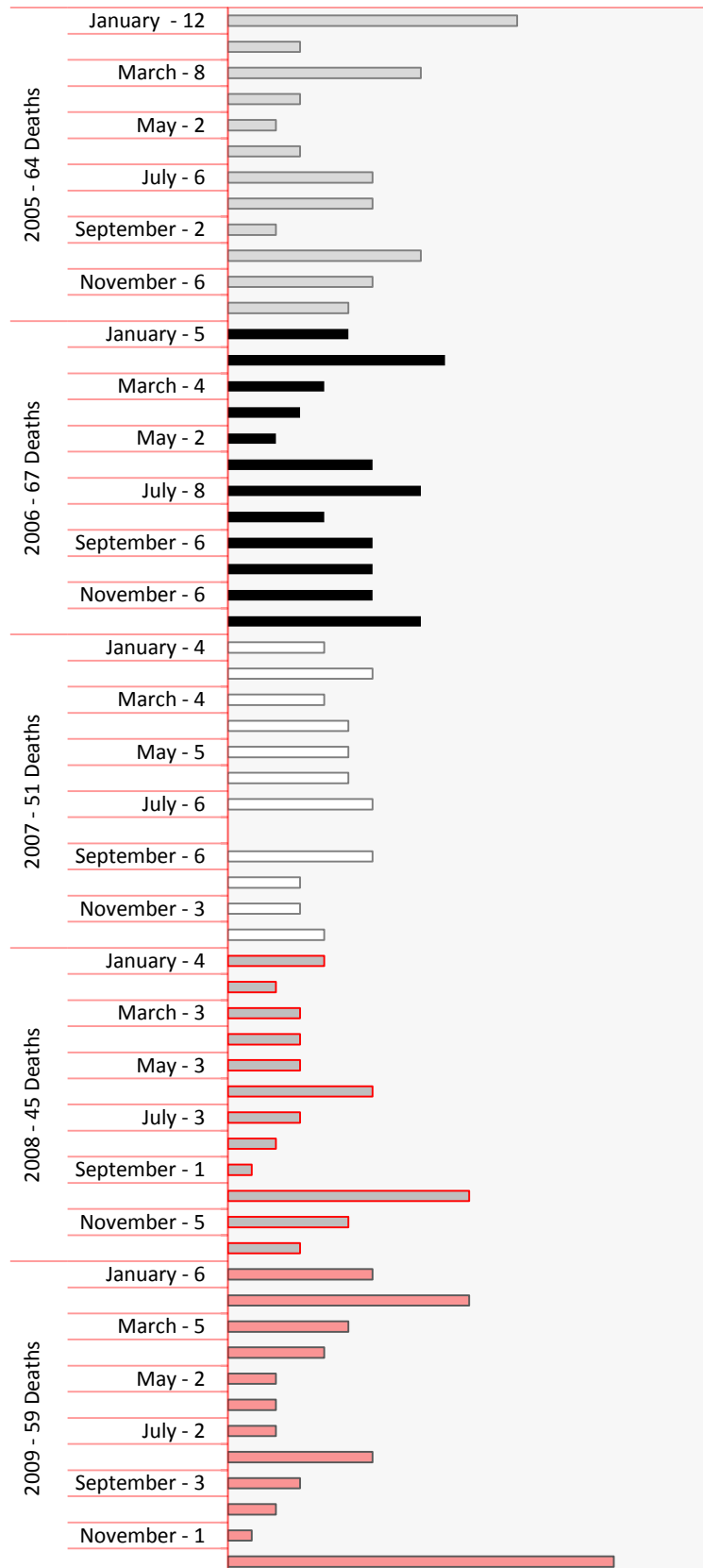
Intentionally set fires include suicide by fire or fires intentionally started by another person. Over the past five years, over 8% of the fire fatalities were reported in this category. In 2009, approximately 10% of the fire deaths were reported as the result of intentionally set fires.

2005 – 2009 Fire Fatality Cause Categories

Cause Category	2005	2006	2007	2008	2009	5 - Year Total	5-Year % of Total
Smoking	14	14	9	4	10	51	17.8%
Electrical Appliance/Distribution	12	9	6	5	8	40	14.0%
Intentionally Set (self-inflicted or by another person)	2	3	6	7	6	24	8.4%
Vehicle-Related	3	7	4	4	3	21	7.3%
Cooking	5	5	2	5	2	19	6.6%
Home Heating	5	6	3	3	1	18	6.3%
Under Investigation	0	1	7	2	4	14	4.9%
Candle	0	5	2	1	0	8	2.8%
Child with access to ignition device	2	2	0	0	0	4	1.4%
Drug Manufacturing/Lab	0	0	0	0	3	3	1.0%
Portable Gas Powered Heating Appliance	0	0	0	0	3	3	1.0%
Combustibles too close to heat source	3	0	0	0	0	3	1.0%
Flammable Vapors Ignited	0	0	1	1	0	2	0.7%
Open Flame Device	1	0	1	0	0	2	0.7%
Cutting Torch	0	0	0	0	1	1	0.3%
Camp Fire	0	0	0	0	1	1	0.3%
Generator too close to combustibles	0	1	0	0	0	1	0.3%
Bricks on Gas Range	0	1	0	0	0	1	0.3%
Gas Stove - Combustibles too Close to Heat Source	0	0	0	0	1	1	0.3%
Oil Lamp	0	0	1	0	0	1	0.3%
Kerosene Lantern	1	0	0	0	0	1	0.3%
Lighter	0	0	0	0	1	1	0.3%
Outside Fire Pit	0	0	0	1	0	1	0.3%
Over Heated Vehicle Exhaust	0	0	0	0	1	1	0.3%
Undetermined	16	13	9	12	14	64	22.4%
Grand Total	64	67	51	45	59	286	100.0%

2005 – 2009 Fire Fatalities by Month

- Based on a five year average, approximately five people die in fires each month in Washington State.
- December 2009 was the deadliest month in the past five years when 19 fire deaths were reported.
- August 2007 was the only month in the past five years with zero fire fatalities.
- When the weather is cold in Washington, fire fatalities tend to increase as people stay inside where the risk of fire is higher.



Fire Fatalities by County

The chart below provides the death rate by county per 100,000 population over the past five years. From 2004 to 2009, Asotin, Columbia, Garfield, Kittitas, Lincoln, Pend Oreille, San Juan, Skamania, and Wahkiakum counties have not reported any fire fatalities.

County	2005		2006		2007		2008		2009		5-Year Total
	# of Deaths	Rate*	# of Deaths	Rate*	# of Deaths	Rate*	# of Deaths	Rate*	# of Deaths	Rate*	
Adams	1	5.9	1	5.8	1	5.7	0	0.0	0	0.0	3
Asotin	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Benton	1	0.6	4	2.5	2	1.2	2	1.2	0	0.0	9
Chelan	0	0.0	1	1.4	2	2.8	1	1.4	0	0.0	4
Clallam	0	0.0	0	0.0	3	4.4	0	0.0	0	0.0	3
Clark	1	0.3	1	0.2	1	0.2	1	0.2	4	0.9	8
Columbia	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Cowlitz	5	5.2	2	2.1	2	2.0	0	0.0	1	1.0	10
Douglas	0	0.0	0	0.0	0	0.0	0	0.0	1	2.7	1
Ferry	0	0.0	1	13.3	0	0.0	0	0.0	3	38.5	4
Franklin	1	1.7	1	1.6	0	0.0	0	0.0	1	1.4	3
Garfield	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Grant	0	0.0	0	0.0	3	3.6	1	1.2	4	4.6	8
Grays Harbor	3	4.3	1	1.4	0	0.0	0	0.0	1	1.4	5
Island	0	0.0	2	2.6	0	0.0	0	0.0	0	0.0	2
Jefferson	0	0.0	3	10.6	0	0.0	1	3.5	0	0.0	4
King	13	0.7	19	1.0	11	0.6	11	0.6	13	0.7	67
Kitsap	3	1.2	1	0.4	2	0.8	0	0.0	1	0.4	7
Kittitas	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Klickitat	0	0.0	0	0.0	1	5.0	0	0.0	0	0.0	1
Lewis	1	1.4	0	0.0	0	0.0	0	0.0	2	2.7	3
Lincoln	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Mason	1	1.9	2	3.8	1	1.8	3	5.3	0	0.0	7
Okanogan	1	2.5	0	0.0	0	0.0	1	2.5	0	0.0	2
Pacific	1	4.7	0	0.0	1	4.6	0	0.0	1	4.6	3
Pend Oreille	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Pierce	8	1.1	9	1.2	3	0.4	7	0.9	5	0.6	32
San Juan	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Skagit	4	3.6	1	0.9	0	0.0	0	0.0	0	0.0	5
Skamania	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Snohomish	8	1.2	3	0.4	2	0.3	7	1.0	7	1.0	27
Spokane	4	0.9	3	0.7	2	0.4	3	0.7	4	0.9	16
Stevens	0	0.0	0	0.0	2	4.7	0	0.0	0	0.0	2
Thurston	0	0.0	6	2.6	3	1.3	3	1.2	2	0.8	14
Wahkiakum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Walla Walla	2	3.5	0	0.0	2	3.4	1	1.7	4	6.8	9
Whatcom	2	1.1	2	1.1	0	0.0	1	0.5	3	1.6	8
Whitman	0	0.0	1	2.3	0	0.0	0	0.0	0	0.0	1
Yakima	4	1.7	3	1.3	7	3.0	2	0.8	2	0.8	18
Washington State Total	64	1.0	67	1.1	51	0.8	45	0.7	59	0.9	286

Region 1

Clallam, Jefferson, Kitsap, and Mason counties make up Region 1. In 2009, 91% of the fire service agencies in this region reported NFIRS data to the Office of the State Fire Marshal. Below is a table summarizing the incidents that have been reported over the past five years.



Five Year Incident Type Summary (Five-year total sorted by dollar loss)

Incident Type Category		2005	2006	2007	2008	2009	5-Year Total
Fires	<i># of Incidents</i>	1,367	1,879	1,628	1,599	1,521	7,994
	<i>Dollar Loss</i>	\$7,832,610	\$13,952,239	\$18,989,197	\$9,448,425	\$16,299,224	\$66,521,695
Rescue & Emergency Medical Service	<i># of Incidents</i>	25,766	31,238	34,325	37,911	38,111	167,351
	<i>Dollar Loss</i>	\$85,025	\$226,317	\$237,210	\$104,534	\$215,000	\$868,086
Good Intent Calls	<i># of Incidents</i>	3,203	3,868	3,624	3,584	3,638	17,917
	<i>Dollar Loss</i>	\$504	\$5,000	\$3,009	\$337,500	\$1,000	\$347,013
Service Calls	<i># of Incidents</i>	3,987	4,826	4,760	3,967	4,099	21,639
	<i>Dollar Loss</i>	\$12,074	\$11,610	\$4,052	\$38,500	\$121,500	\$187,736
Hazardous Conditions (No Fire)	<i># of Incidents</i>	1,051	2,086	1,379	1,052	1,074	6,642
	<i>Dollar Loss</i>	\$905	\$41,000	\$67,229	\$42,800	\$6,450	\$158,384
Severe Weather & Natural Disaster	<i># of Incidents</i>	20	195	233	32	48	528
	<i>Dollar Loss</i>	\$4,000	\$32,600	\$2	\$0	\$15,000	\$51,602
False Alarms & False Calls	<i># of Incidents</i>	2,163	2,658	2,676	2,573	2,665	12,735
	<i>Dollar Loss</i>	\$20	\$0	\$64	\$2,500	\$20,000	\$22,584
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	101	133	91	122	96	543
	<i>Dollar Loss</i>	\$1,200	\$2,150	\$1	\$12,950	\$1,000	\$17,301
Other Types of Incidents	<i># of Incidents</i>	194	217	697	671	530	2,309
	<i>Dollar Loss</i>	\$4	\$0	\$4	\$3,500	\$0	\$3,508
Undetermined Incident Type	<i># of Incidents</i>	3	0	0	0	0	3
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		37,855	47,100	49,413	51,511	51,782	237,661
Total Dollar Loss		\$7,936,342	\$14,270,916	\$19,300,768	\$9,990,709	\$16,679,174	\$68,177,909

Region 1 Fire Incidents

Over the past five years, 7,994 fire incidents have been reported by fire service agencies in Region 1 resulting in more than \$66 million in property and content loss. Structure fires, including confined fires, accounted for 35% of the five-year total and 88% of the dollar loss to property and contents.

2005 – 2009 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category		2005	2006	2007	2008	2009	5-Year Total
Structure Fires (including confined fires)	<i># of Incidents</i>	494	654	561	600	527	2,836
	<i>Dollar Loss</i>	\$6,535,808	\$11,991,269	\$17,754,751	\$7,939,889	\$14,364,751	\$58,586,468
Vehicle Fires (Mobile Properties)	<i># of Incidents</i>	268	312	295	280	205	1,360
	<i>Dollar Loss</i>	\$759,884	\$1,122,315	\$670,316	\$930,226	\$939,425	\$4,422,166
Fixed Mobile Property Fires	<i># of Incidents</i>	35	35	27	29	35	161
	<i>Dollar Loss</i>	\$451,200	\$729,552	\$495,034	\$298,700	\$540,826	\$2,515,312
Natural Vegetation Fires	<i># of Incidents</i>	256	488	400	405	461	2,010
	<i>Dollar Loss</i>	\$1,604	\$44,875	\$2,366	\$253,370	\$326,975	\$629,190
Fire, other	<i># of Incidents</i>	109	140	130	94	108	581
	<i>Dollar Loss</i>	\$72,516	\$30,715	\$30,158	\$3,820	\$103,300	\$240,509
Outside Storage & Equipment Fires	<i># of Incidents</i>	43	54	46	46	43	232
	<i>Dollar Loss</i>	\$5,250	\$22,236	\$31,277	\$19,520	\$23,000	\$101,283
Outside Rubbish Fires	<i># of Incidents</i>	161	190	163	144	140	798
	<i>Dollar Loss</i>	\$6,348	\$8,777	\$5,294	\$2,900	\$947	\$24,266
Cultivated Vegetation Fires	<i># of Incidents</i>	1	6	6	1	2	16
	<i>Dollar Loss</i>	\$0	\$2,500	\$1	\$0	\$0	\$2,501
Total # of Incidents		1,367	1,879	1,628	1,599	1,521	7,994
Total Dollar Loss		\$7,832,610	\$13,952,239	\$18,989,197	\$9,448,425	\$16,299,224	\$66,521,695

2005 – 2009 Structure Fires by Type (Five-year total sorted by dollar loss)

Structure Fires (including confined fires)		2005	2006	2007	2008	2009	5-Year Total
Building fires	<i># of Incidents</i>	225	302	266	294	249	1,336
	<i>Dollar Loss</i>	\$6,368,673	\$11,676,851	\$17,721,876	\$7,914,118	\$14,221,361	\$57,902,879
Fires in structures other than in a building	<i># of Incidents</i>	17	21	17	13	10	78
	<i>Dollar Loss</i>	\$83,100	\$286,824	\$9,350	\$4,246	\$47,000	\$430,520
Chimney or flue fire, confined to chimney or flue	<i># of Incidents</i>	123	162	132	150	148	715
	<i>Dollar Loss</i>	\$3,450	\$2,910	\$9,003	\$3,000	\$80,100	\$98,463
Fuel burner/boiler malfunction, fire confined	<i># of Incidents</i>	10	10	4	3	5	32
	<i>Dollar Loss</i>	\$68,500	\$1,500	\$800	\$1,500	\$500	\$72,800
Cooking fire, confined to container	<i># of Incidents</i>	72	90	91	98	81	432
	<i>Dollar Loss</i>	\$3,725	\$17,784	\$12,422	\$8,595	\$14,830	\$57,356
Trash or rubbish fire, contained	<i># of Incidents</i>	42	64	51	41	33	231
	<i>Dollar Loss</i>	\$6,160	\$5,400	\$1,300	\$3,430	\$960	\$17,250
Commercial Compactor fire, confined to rubbish	<i># of Incidents</i>	1	1	0	1	0	3
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$5,000	\$0	\$5,000
Structure fire, other	<i># of Incidents</i>	4	0	0	0	0	4
	<i>Dollar Loss</i>	\$2,200	\$0	\$0	\$0	\$0	\$2,200
Incinerator overload or malfunction, fire confined	<i># of Incidents</i>	0	4	0	0	1	5
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		494	654	561	600	527	2,836
Total Dollar Loss		\$6,535,808	\$11,991,269	\$17,754,751	\$7,939,889	\$14,364,751	\$58,586,468

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

Property Use Category		2005	2006	2007	2008	2009	5-Year Total
Residential	# of Incidents	642	835	770	810	725	3,782
	Dollar Loss	\$6,226,012	\$11,791,104	\$10,696,343	\$7,118,118	\$7,770,418	\$43,601,995
Mercantile and Business	# of Incidents	44	73	65	55	41	278
	Dollar Loss	\$404,348	\$100,100	\$1,731,060	\$32,775	\$6,529,500	\$8,797,783
Industrial, Utility, Defense, Agriculture, & Mining	# of Incidents	20	36	34	25	35	150
	Dollar Loss	\$126,000	\$297,224	\$5,117,201	\$252,000	\$216,000	\$6,008,425
Outside or Special Properties	# of Incidents	517	741	620	546	558	2,982
	Dollar Loss	\$513,409	\$768,750	\$772,917	\$848,012	\$711,455	\$3,614,543
Storage	# of Incidents	34	41	29	43	42	189
	Dollar Loss	\$406,150	\$336,536	\$262,401	\$573,870	\$981,225	\$2,560,182
Assembly	# of Incidents	25	37	26	30	40	158
	Dollar Loss	\$128,800	\$502,105	\$11,600	\$27,025	\$4,200	\$673,730
Other Property Uses	# of Incidents	27	21	33	25	18	124
	Dollar Loss	\$14,004	\$55,250	\$39,770	\$514,600	\$23,500	\$647,124
Educational Uses	# of Incidents	24	26	19	15	25	109
	Dollar Loss	\$6,415	\$13,275	\$280,052	\$1,500	\$21,550	\$322,792
Manufacturing, processing	# of Incidents	6	19	7	8	7	47
	Dollar Loss	\$1,000	\$65,395	\$25,500	\$2,000	\$15,000	\$108,895
Undetermined	# of Incidents	11	22	9	9	6	57
	Dollar Loss	\$302	\$3,000	\$4,001	\$40,000	\$25,500	\$72,803
Health Care, Detention, and Corrections	# of Incidents	8	8	6	15	10	47
	Dollar Loss	\$0	\$15,000	\$47,900	\$8,525	\$476	\$71,901
None	# of Incidents	8	18	10	18	13	67
	Dollar Loss	\$6,170	\$2,000	\$452	\$30,000	\$400	\$39,022
Total # of Incidents		1,366	1,877	1,628	1,599	1,520	7,990
Total Dollar Loss		\$7,832,610	\$13,949,739	\$18,989,197	\$9,448,425	\$16,299,224	\$66,519,195

Area of Origin by Category		2005	2006	2007	2008	2009	5-Year Total
Functional Areas	# of Incidents	133	306	174	232	208	1,053
	Dollar Loss	\$1,753,182	\$5,961,463	\$8,208,720	\$3,444,387	\$3,028,746	\$22,396,498
Areas for Groups of People (Assembly)	# of Incidents	25	0	40	39	44	148
	Dollar Loss	\$240,388	\$0	\$2,569,429	\$877,415	\$7,518,041	\$11,205,273
Structural Areas	# of Incidents	60	83	72	87	83	385
	Dollar Loss	\$1,995,146	\$1,757,362	\$3,014,968	\$1,292,186	\$773,630	\$8,833,292
Storage Areas	# of Incidents	49	65	47	53	45	259
	Dollar Loss	\$1,041,263	\$523,103	\$1,290,364	\$898,725	\$959,255	\$4,712,710
Undetermined	# of Incidents	73	90	84	98	60	405
	Dollar Loss	\$649,745	\$1,336,757	\$1,744,423	\$410,135	\$563,665	\$4,704,725
Service or Equipment Areas	# of Incidents	66	68	43	70	63	310
	Dollar Loss	\$276,770	\$950,152	\$148,002	\$893,450	\$1,500,700	\$3,769,074
Outside Areas	# of Incidents	129	230	238	376	426	1,399
	Dollar Loss	\$325,744	\$1,919,934	\$98,984	\$405,090	\$749,115	\$3,498,867
Vehicle Areas	# of Incidents	227	281	246	242	196	1,192
	Dollar Loss	\$606,531	\$1,046,214	\$612,466	\$487,786	\$681,275	\$3,434,272
Exit/Exit Access/Exit Discharge Areas	# of Incidents	16	0	19	15	21	71
	Dollar Loss	\$732,102	\$0	\$544,786	\$361,800	\$248,925	\$1,887,613
Other Areas of Origin	# of Incidents	25	0	71	131	94	321
	Dollar Loss	\$3,100	\$0	\$512,506	\$376,151	\$138,150	\$1,029,907
Technical Processing Areas	# of Incidents	4	1	2	1	1	9
	Dollar Loss	\$25,000	\$0	\$500	\$0	\$1,500	\$27,000
Total # of Incidents		807	1,124	1,036	1,344	1,241	5,552
Total Dollar Loss		\$7,648,971	\$13,494,985	\$18,745,148	\$9,447,125	\$16,163,002	\$65,499,231

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

Heat Source Categories		2005	2006	2007	2008	2009	5-Year Total
Undetermined	# of Incidents	256	313	282	408	359	1,618
	Dollar Loss	\$2,917,198	\$6,564,391	\$5,804,926	\$2,985,075	\$3,515,825	\$21,787,415
Operating Equipment	# of Incidents	251	364	319	376	310	1,620
	Dollar Loss	\$2,677,230	\$4,251,961	\$2,898,627	\$2,843,578	\$3,045,385	\$15,716,781
Open Flame or Smoking Material	# of Incidents	105	151	123	167	167	713
	Dollar Loss	\$681,554	\$955,715	\$2,433,650	\$1,509,945	\$7,636,052	\$13,216,916
Hot or Smoldering Object	# of Incidents	122	175	159	187	194	837
	Dollar Loss	\$499,978	\$958,430	\$6,622,536	\$587,901	\$1,336,410	\$10,005,255
Heat Spread from Another Fire	# of Incidents	0	17	19	35	51	122
	Dollar Loss	\$101,623	\$297,150	\$282,200	\$950,475	\$389,530	\$2,020,978
Heat Source Other	# of Incidents	43	50	77	122	87	379
	Dollar Loss	\$129,500	\$129,802	\$395,707	\$374,665	\$212,700	\$1,242,374
Explosives and Fireworks	# of Incidents	15	33	28	34	55	165
	Dollar Loss	\$328,888	\$223,336	\$184,201	\$168,020	\$8,600	\$913,045
Chemical or Natural	# of Incidents	9	18	23	12	14	76
	Dollar Loss	\$312,500	\$47,200	\$96,701	\$27,466	\$18,500	\$502,367
Multiple Heat Sources	# of Incidents	6	3	6	3	4	22
	Dollar Loss	\$500	\$67,000	\$26,600	\$0	\$0	\$94,100
Total # of Incidents		807	1,124	1,036	1,344	1,241	5,552
Total Dollar Loss		\$7,648,971	\$13,494,985	\$18,745,148	\$9,447,125	\$16,163,002	\$65,499,231

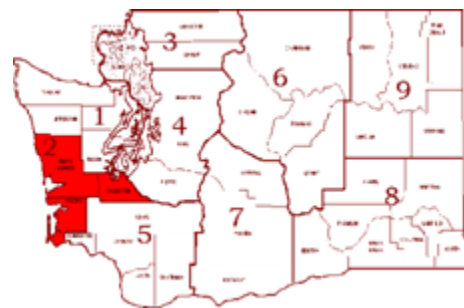
Cause of Ignition		2005	2006	2007	2008	2009	5-Year Total
Cause under investigation	# of Incidents	104	99	105	129	158	595
	Dollar Loss	\$1,970,510	\$4,132,628	\$5,149,037	\$2,418,060	\$8,680,726	\$22,350,961
Unintentional	# of Incidents	334	534	437	581	560	2,446
	Dollar Loss	\$3,722,164	\$5,011,397	\$5,493,763	\$4,212,756	\$3,443,520	\$21,883,600
Cause undetermined after investigation	# of Incidents	93	124	124	151	128	620
	Dollar Loss	\$783,337	\$737,394	\$5,723,970	\$421,860	\$1,569,915	\$9,236,476
Failure of equipment or heat source	# of Incidents	152	180	179	207	163	881
	Dollar Loss	\$915,700	\$1,682,214	\$1,797,488	\$1,799,128	\$1,283,210	\$7,477,740
Intentional	# of Incidents	90	107	102	164	141	604
	Dollar Loss	\$98,411	\$1,719,007	\$416,225	\$400,621	\$1,153,586	\$3,787,850
Cause, other (conversion and exposure 1 only)	# of Incidents	28	72	78	102	74	354
	Dollar Loss	\$158,849	\$212,345	\$164,665	\$186,050	\$32,045	\$753,954
Act of nature	# of Incidents	6	8	11	10	17	52
	Dollar Loss	\$0	\$0	\$0	\$8,650	\$0	\$8,650
Total Number of Incidents Reported		807	1,124	1,036	1,344	1,241	5,552
Total Property and Contents Loss Reported		\$7,648,971	\$13,494,985	\$18,745,148	\$9,447,125	\$16,163,002	\$65,499,231

Region 1 Incident Reporting Summary

		Number of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Clallam County		9,880	0	97	9,977	\$1,560,285
05D01	Clallam #1, Forks	62	0	0	62	\$169,100
05D02	Clallam #2, Port Angeles	942	0	47	989	\$0
05D03	Clallam #3, Sequim	5,118	0	10	5,128	\$453,815
05D04	Clallam #4, Joyce	150	0	7	157	\$72,000
05D05	Clallam #5, Clallam Bay/Seki	195	0	2	197	\$0
05D06	Clallam #6, Quillayute Prairie	10	0	2	12	\$0
05M03	Port Angeles Fire Department	3,403	0	29	3,432	\$865,370
05S03	La Push Fire Department	0	0	0	0	\$0
Jefferson County		4,361	0	314	4,675	\$1,026,105
16D01	East Jefferson Fire & Rescue	3,105	0	51	3,156	\$376,500
16D02	Jefferson #2, Quilcene	274	0	68	342	\$353,605
16D03	Jefferson #3, Port Ludlow	634	0	90	724	\$186,000
16D04	Jefferson #4, Brinnon	246	0	18	264	\$110,000
16D05	Jefferson #5, Discovery Bay	102	0	87	189	\$0
16D07	Jefferson #7, Clearwater	0	0	0	0	\$0
Kitsap County		29,711	10	1,414	31,135	\$11,785,669
18D01	Central Kitsap Fire & Rescue	6,748	2	357	7,107	\$1,344,491
18D02	Kitsap #2, Bainbridge Island	2,579	0	75	2,654	\$487,160
18D07	South Kitsap Fire & Rescue	8,194	8	104	8,306	\$2,625,476
18D10	Kitsap #10, North Kitsap	2,298	0	206	2,504	\$157,000
18M01	Bremerton Fire Department	7,150	0	352	7,502	\$6,713,800
18M04	Kitsap #18/City of Poulsbo	2,742	0	320	3,062	\$457,742
Mason County		7,829	0	599	8,428	\$2,307,115
23D01	Mason #1, Hoodspout	137	0	56	193	\$0
23D02	Mason #2, Belfair	1,825	0	100	1,925	\$377,000
23D03	Mason #3, Grapeview	206	0	12	218	\$0
23D04	Mason #4, Arcadia/Kamilche	825	0	68	893	\$455,890
23D05	Mason #5, Allyn/Agate/Shelton	4,091	0	197	4,288	\$72,580
23D06	Mason #6, Union	67	0	40	107	\$450,000
23D08	Mason #8, Tahuya	0	0	0	0	\$0
23D09	Mason #9, Skokomish Valley	217	0	62	279	\$261,100
23D11	Mason #11, Shelton	4	0	28	32	\$80,000
23D12	Mason #12	123	0	2	125	\$451,500
23D13	Mason #13, Elma	171	0	26	197	\$51,200
23D16	Mason #16, Dayton	96	0	7	103	\$104,345
23D17	Mason #17, Lilliwaup/Eldon	64	0	1	65	\$3,500
23D18	Mason #18, Lake Cushman	3	0	0	3	\$0
Region 1 Totals		51,781	10	2,424	54,215	\$16,679,174

Region 2

Grays Harbor, Pacific, and Thurston counties make up Region 2. In 2009, 86% of the fire service agencies in this region reported NFIRS data to the Office of the State Fire Marshal. Below is a table summarizing the incidents that have been reported over the past five years.



Five Year Incident Type Summary (Five-year total sorted by dollar loss)

Incident Type Category		2005	2006	2007	2008	2009	5-Year Total
Fires	<i># of Incidents</i>	1,509	1,993	1,713	1,626	1,558	8,399
	<i>Dollar Loss</i>	\$6,098,387	\$5,099,835	\$8,418,285	\$9,742,973	\$14,056,473	\$43,415,953
Rescue & Emergency Medical Service	<i># of Incidents</i>	21,184	23,505	26,430	27,247	27,625	125,991
	<i>Dollar Loss</i>	\$54,700	\$193,000	\$36,600	\$220,275	\$69,850	\$574,425
Hazardous Conditions (No Fire)	<i># of Incidents</i>	673	1,077	769	738	655	3,912
	<i>Dollar Loss</i>	\$3,245	\$17,265	\$343,070	\$16,965	\$48,320	\$428,865
False Alarms & False Calls	<i># of Incidents</i>	2,041	2,420	2,472	2,200	2,319	11,452
	<i>Dollar Loss</i>	\$50	\$27,000	\$3,000	\$200	\$257,500	\$287,750
Service Calls	<i># of Incidents</i>	1,514	1,776	2,371	2,411	2,824	10,896
	<i>Dollar Loss</i>	\$3,000	\$600	\$10,000	\$5,150	\$74,550	\$93,300
Other Types of Incidents	<i># of Incidents</i>	63	91	52	60	64	330
	<i>Dollar Loss</i>	\$2,000	\$0	\$0	\$0	\$0	\$2,000
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	38	27	43	42	35	185
	<i>Dollar Loss</i>	\$250	\$0	\$200	\$1,050	\$50	\$1,550
Good Intent Calls	<i># of Incidents</i>	2,476	2,970	3,221	3,275	3,170	15,112
	<i>Dollar Loss</i>	\$0	\$420	\$0	\$500	\$0	\$920
Undetermined Incident Type	<i># of Incidents</i>	2	0	0	0	0	2
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Severe Weather & Natural Disaster	<i># of Incidents</i>	31	140	107	18	80	376
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		29,531	33,999	37,178	37,617	38,330	176,655
Total Dollar Loss		\$6,161,632	\$5,338,120	\$8,811,155	\$9,987,113	\$14,506,743	\$44,804,763

Region 2 Fire Incidents

Over the past five years, 8,399 fire incidents have been reported by fire service agencies in Region 2 resulting in more than \$43 million in property and content loss. Structure fires, including confined fires, accounted for 31% of the fire-year total and 89% of the dollar loss to property and contents.

2005 – 2009 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category		2005	2006	2007	2008	2009	5-Year Total
Structure Fires (including confined fires)	# of Incidents	476	553	561	533	492	2,615
	Dollar Loss	\$5,297,487	\$4,159,600	\$7,496,658	\$8,317,097	\$13,317,280	\$38,588,122
Vehicle Fires (Mobile Properties)	# of Incidents	274	284	258	233	222	1,271
	Dollar Loss	\$406,875	\$666,050	\$792,047	\$1,275,741	\$582,793	\$3,723,506
Fire, other	# of Incidents	143	292	207	134	107	883
	Dollar Loss	\$279,600	\$108,560	\$91,635	\$14,300	\$11,350	\$505,445
Fixed Mobile Property Fires	# of Incidents	20	21	25	21	28	115
	Dollar Loss	\$114,000	\$76,750	\$26,000	\$88,000	\$128,900	\$433,650
Outside Storage & Equipment Fires	# of Incidents	49	58	43	100	61	311
	Dollar Loss	\$300	\$56,250	\$5,350	\$20,050	\$2,950	\$84,900
Natural Vegetation Fires	# of Incidents	283	505	327	374	451	1,940
	Dollar Loss	\$25	\$31,565	\$3,020	\$2,410	\$7,750	\$44,770
Outside Rubbish Fires	# of Incidents	261	278	291	227	189	1,246
	Dollar Loss	\$100	\$1,060	\$3,570	\$24,275	\$2,950	\$31,955
Cultivated Vegetation Fires	# of Incidents	3	2	1	4	8	18
	Dollar Loss	\$0	\$0	\$5	\$1,100	\$2,500	\$3,605
Total # of Incidents		1,509	1,993	1,713	1,626	1,558	8,399
Total Dollar Loss		\$6,098,387	\$5,099,835	\$8,418,285	\$9,742,973	\$14,056,473	\$43,415,953

2005 – 2009 Structure Fires by Type (Five-year total sorted by dollar loss)

Structure Fires (including confined fires)		2005	2006	2007	2008	2009	5-Year Total
Building fires	# of Incidents	241	260	243	257	221	1,222
	Dollar Loss	\$5,264,067	\$4,041,075	\$7,393,051	\$8,164,797	\$13,224,795	\$38,087,785
Fires in structures other than in a building	# of Incidents	16	24	17	22	11	90
	Dollar Loss	\$30,000	\$14,900	\$57,100	\$91,850	\$66,250	\$260,100
Cooking fire, confined to container	# of Incidents	79	108	99	66	90	442
	Dollar Loss	\$1,555	\$65,095	\$14,257	\$13,620	\$11,985	\$106,512
Chimney or flue fire, confined to chimney or flue	# of Incidents	106	120	145	144	140	655
	Dollar Loss	\$1,500	\$23,930	\$1,300	\$34,500	\$6,600	\$67,830
Incinerator overload or malfunction, fire confined	# of Incidents	0	0	7	3	1	11
	Dollar Loss	\$0	\$0	\$27,000	\$0	\$0	\$27,000
Trash or rubbish fire, contained	# of Incidents	29	32	43	35	20	159
	Dollar Loss	\$365	\$10,300	\$3,900	\$10,330	\$2,100	\$26,995
Fuel burner/boiler malfunction, fire confined	# of Incidents	4	7	6	5	9	31
	Dollar Loss	\$0	\$4,300	\$50	\$2,000	\$5,550	\$11,900
Commercial Compactor fire, confined to rubbish	# of Incidents	1	1	1	1	0	4
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Structure fire, other	# of Incidents	0	1	0	0	0	1
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		476	553	561	533	492	2,615
Total Dollar Loss		\$5,297,487	\$4,159,600	\$7,496,658	\$8,317,097	\$13,317,280	\$38,588,122

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

Property Use by Category		2005	2006	2007	2008	2009	5-Year Total
Residential	# of Incidents	641	820	795	710	695	3,661
	Dollar Loss	\$4,266,812	\$3,643,395	\$4,833,947	\$7,301,427	\$7,684,100	\$27,729,681
Mercantile and Business	# of Incidents	55	71	68	50	57	301
	Dollar Loss	\$9,700	\$60,295	\$2,282,800	\$588,910	\$2,964,788	\$5,906,493
Manufacturing, processing	# of Incidents	16	20	29	20	15	100
	Dollar Loss	\$815,000	\$7,700	\$238,700	\$91,400	\$2,472,500	\$3,625,300
Outside or Special Properties	# of Incidents	606	804	569	617	612	3,208
	Dollar Loss	\$362,560	\$402,425	\$476,816	\$409,586	\$361,255	\$2,012,642
Storage	# of Incidents	34	33	29	32	42	170
	Dollar Loss	\$292,600	\$168,000	\$392,400	\$802,350	\$248,600	\$1,903,950
Assembly	# of Incidents	34	39	40	44	36	193
	Dollar Loss	\$48,165	\$383,500	\$133,520	\$332,900	\$266,850	\$1,164,935
None	# of Incidents	30	47	46	51	30	204
	Dollar Loss	\$14,750	\$77,400	\$29,000	\$94,300	\$36,000	\$251,450
Industrial, Utility, Defense, Agriculture, & Mining	# of Incidents	15	26	25	16	18	100
	Dollar Loss	\$70,000	\$152,750	\$2,000	\$8,000	\$10,300	\$243,050
Health Care, Detention, and Corrections	# of Incidents	9	8	14	6	5	42
	Dollar Loss	\$190,000	\$65	\$10,500	\$11,000	\$30	\$211,595
Educational Uses	# of Incidents	10	24	17	21	12	84
	Dollar Loss	\$0	\$100,305	\$7,102	\$96,600	\$7,200	\$211,207
Undetermined	# of Incidents	24	30	35	27	19	135
	Dollar Loss	\$1,300	\$100,000	\$5,500	\$2,000	\$2,600	\$111,400
Other Property Uses	# of Incidents	30	66	46	32	16	190
	Dollar Loss	\$500	\$2,000	\$6,000	\$4,500	\$2,250	\$15,250
Total # of Incidents		1,504	1,988	1,713	1,626	1,557	8,388
Total Dollar Loss		\$6,071,387	\$5,097,835	\$8,418,285	\$9,742,973	\$14,056,473	\$43,386,953

Area of Origin by Category		2005	2006	2007	2008	2009	5-Year Total
Storage Areas	# of Incidents	38	46	50	50	58	242
	Dollar Loss	\$426,785	\$470,150	\$2,665,600	\$1,292,425	\$4,385,650	\$9,240,610
Functional Areas	# of Incidents	121	138	154	140	161	714
	Dollar Loss	\$705,030	\$1,357,310	\$1,460,517	\$2,477,536	\$2,658,085	\$8,658,478
Structural Areas	# of Incidents	56	71	68	74	74	343
	Dollar Loss	\$1,610,400	\$896,550	\$1,020,089	\$1,292,231	\$2,021,600	\$6,840,870
Undetermined	# of Incidents	88	89	95	140	135	547
	Dollar Loss	\$501,150	\$835,050	\$1,160,201	\$2,102,100	\$809,045	\$5,407,546
Vehicle Areas	# of Incidents	230	225	227	197	196	1,075
	Dollar Loss	\$531,225	\$595,300	\$784,146	\$1,030,316	\$503,393	\$3,444,380
Technical Processing Areas	# of Incidents	4	1	1	2	3	11
	Dollar Loss	\$10,000	\$0	\$0	\$0	\$2,400,200	\$2,410,200
Areas for Groups of People (Assembly)	# of Incidents	9	21	24	15	25	94
	Dollar Loss	\$300,500	\$283,205	\$465,302	\$228,750	\$849,800	\$2,127,557
Service or Equipment Areas	# of Incidents	22	31	54	51	36	194
	Dollar Loss	\$421,150	\$225,400	\$440,100	\$794,700	\$47,700	\$1,929,050
Other Areas of Origin	# of Incidents	24	20	32	47	49	172
	Dollar Loss	\$600,000	\$1,750	\$63,150	\$78,300	\$82,700	\$825,900
Outside Areas	# of Incidents	166	186	165	335	344	1,196
	Dollar Loss	\$406,027	\$63,000	\$8,000	\$118,385	\$15,950	\$611,362
Exit/Exit Access/Exit Discharge Areas	# of Incidents	6	10	9	14	10	49
	Dollar Loss	\$13,200	\$66,400	\$214,950	\$193,660	\$86,900	\$575,110
Total # of Incidents		764	838	879	1,065	1,091	4,637
Total Dollar Loss		\$5,525,467	\$4,794,115	\$8,282,055	\$9,608,403	\$13,861,023	\$42,071,063

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

Heat Source Categories		2005	2006	2007	2008	2009	5-Year Total
Undetermined	<i># of Incidents</i>	241	272	317	405	411	1,646
	<i>Dollar Loss</i>	\$2,771,397	\$1,594,550	\$5,362,562	\$4,250,751	\$7,773,363	\$21,752,623
Operating Equipment	<i># of Incidents</i>	219	234	247	238	237	1,175
	<i>Dollar Loss</i>	\$881,345	\$1,385,820	\$1,470,173	\$2,495,776	\$2,743,910	\$8,977,024
Open Flame or Smoking Material	<i># of Incidents</i>	118	126	105	129	132	610
	<i>Dollar Loss</i>	\$1,062,050	\$884,780	\$505,910	\$683,475	\$1,268,850	\$4,405,065
Hot or Smoldering Object	<i># of Incidents</i>	103	115	127	209	170	724
	<i>Dollar Loss</i>	\$623,175	\$751,230	\$756,050	\$977,951	\$585,960	\$3,694,366
Heat Source Other	<i># of Incidents</i>	44	56	37	53	56	246
	<i>Dollar Loss</i>	\$112,500	\$35,435	\$122,740	\$868,500	\$480,340	\$1,619,515
Chemical or Natural	<i># of Incidents</i>	13	10	6	6	10	45
	<i>Dollar Loss</i>	\$25,000	\$35,600	\$45,000	\$244,000	\$360,100	\$709,700
Heat Spread from Another Fire	<i># of Incidents</i>	1		13	11	27	52
	<i>Dollar Loss</i>	\$10,000		\$12,250	\$36,550	\$625,000	\$683,800
Explosives and Fireworks	<i># of Incidents</i>	23	23	23	12	43	124
	<i>Dollar Loss</i>	\$40,000	\$106,700	\$170	\$11,400	\$21,700	\$179,970
Multiple Heat Sources	<i># of Incidents</i>	2	2	4	2	4	14
	<i>Dollar Loss</i>	\$0	\$0	\$7,200	\$40,000	\$1,800	\$49,000
Total # of Incidents		764	838	879	1,065	1,090	4,636
Total Dollar Loss		\$5,525,467	\$4,794,115	\$8,282,055	\$9,608,403	\$13,861,023	\$42,071,063

Cause of Ignition		2005	2006	2007	2008	2009	5-Year Total
Unintentional	<i># of Incidents</i>	277	328	355	425	480	1,865
	<i>Dollar Loss</i>	\$2,335,680	\$1,683,365	\$1,524,165	\$4,111,062	\$3,991,385	\$13,645,657
Cause under investigation	<i># of Incidents</i>	70	70	63	64	79	346
	<i>Dollar Loss</i>	\$1,267,610	\$1,220,500	\$3,829,214	\$2,675,860	\$4,612,195	\$13,605,379
Cause undetermined after investigation	<i># of Incidents</i>	89	101	124	201	176	691
	<i>Dollar Loss</i>	\$1,072,850	\$857,350	\$936,563	\$1,312,701	\$3,898,488	\$8,077,952
Failure of equipment or heat source	<i># of Incidents</i>	144	174	172	147	126	763
	<i>Dollar Loss</i>	\$555,490	\$872,370	\$1,359,481	\$843,605	\$964,225	\$4,595,171
Intentional	<i># of Incidents</i>	132	105	110	137	154	638
	<i>Dollar Loss</i>	\$221,837	\$158,030	\$573,782	\$630,175	\$317,050	\$1,900,874
Cause, other (conversion and exposure 1 only)	<i># of Incidents</i>	49	57	51	87	63	307
	<i>Dollar Loss</i>	\$72,000	\$2,500	\$58,850	\$33,500	\$74,980	\$241,830
Act of nature	<i># of Incidents</i>	3	3	4	4	12	26
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$1,500	\$2,700	\$4,200
Total # of Incidents		764	838	879	1,065	1,090	4,636
Total Dollar Loss		\$5,525,467	\$4,794,115	\$8,282,055	\$9,608,403	\$13,861,023	\$42,071,063

Region 2 Incident Reporting Summary

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Grays Harbor County		4,920	0	580	5,500	\$8,694,685
14D01	Grays Harbor #1, Oakville	328	0	9	337	\$0
14D02	Grays Harbor #2	608	0	64	672	\$260,375
14D04	Grays Harbor #4, Amanda Park	0	0	0	0	\$0
14D05	Grays Harbor #5, Elma/Satsop	1,029	0	23	1,052	\$228,750
14D06	Grays Harbor #6, North Hoquiam	0	0	0	0	\$0
14D07	Grays Harbor #7, Copalis Beach	52	0	271	323	\$0
14D08	Grays Harbor #8, Pacific Beach	0	0	0	0	\$0
14D10	Grays Harbor #10, Wishkah	12	0	2	14	\$171,540
14D11	Grays Harbor #11, Grayland	24	0	10	34	\$24,050
14D12	Grays Harbor #12, McCleary	41	0	0	41	\$97,700
14D14	Grays Harbor #14	94	0	12	106	\$226,000
14D15	Grays Harbor #15, Cosmopolis	0	0	0	0	\$0
14D16	Grays Harbor #16, Copalis Crossing	0	0	0	0	\$0
14D17	Grays Harbor #17, Humptulip	11	0	0	11	\$0
14M01	Aberdeen Fire Department	395	0	15	410	\$3,456,070
14M02	Cosmopolis Fire Department	5	0	0	5	\$11,500
14M03	Elma Fire Department	159	0	0	159	\$166,100
14M04	Hoquiam Fire Department	179	0	25	204	\$147,650
14M05	McCleary Fire Department	52	0	39	91	\$195,000
14M06	Montesano Fire Department	1,132	0	35	1,167	\$88,200
14M08	Ocean Shores Fire Department	373	0	22	395	\$396,000
14M09	Westport Fire Department	422	0	53	475	\$3,225,500
14X01	Quinalt Indian Nation	4	0	0	4	\$250
Pacific County		3,666	0	164	3,830	\$819,125
25D01	Pacific #1, Ocean Park	1,847	0	72	1,919	\$164,875
25D02	Pacific #2, Chinook Valley	0	0	0	0	\$0
25D03	Pacific #3, Willapa Valley	50	0	0	50	\$284,250
25D04	Pacific #4, Naselle	3	0	0	3	\$0
25D05	Pacific #5, North Cove/Tokeland	19	0	7	26	\$20,500
25D06	Pacific #6, Bay Center*	0	0	0	0	\$0
25D07	Pacific #7, Nemah	54	0	0	54	\$0
25M01	Ilwaco Fire Department	156	0	76	232	\$51,600
25M02	Long Beach Fire Department	41	0	8	49	\$108,400
25M03	Raymond Fire Department	1,476	0	1	1,477	\$189,500
25M04	South Bend Fire Department/Pacific #8	20	0	0	20	\$0
Thurston County		29,744	1	1,291	31,036	\$4,992,933
34D01	Thurston #1, Rochester	1,119	0	44	1,163	\$28,800
34D02	Southeast Thurston Fire & EMS	2,415	0	9	2,424	\$0
34D03	Lacey Fire District 3	10,642	0	92	10,734	\$2,432,650
34D06	Thurston #6, East Olympia	851	0	86	937	\$264,500
34D07	Thurston #7, North Olympia	0	0	0	0	\$0
34D08	Thurston #8, South Bay	501	0	92	593	\$0
34D09	McLane/Blake Lake Fire Department	1,398	0	441	1,839	\$390,400
34D11	Thurston #11, Littlerock	1,203	0	72	1,275	\$71,300
34D12	Thurston #12, Tenino	138	0	41	179	\$3,500
34D13	Thurston #13, Griffin	350	0	71	421	\$35,050
34D16	Thurston #16, Gibson Valley	5	0	105	110	\$0
34D17	Thurston #17, Bald Hills	304	0	48	352	\$2,000
34M01	Bucoda Fire Department	10	0	0	10	\$4,800
34M02	Olympia Fire Department	8,184	1	133	8,318	\$1,530,933
34M04	Tumwater Fire Department	2,624	0	57	2,681	\$229,000
Region 2 Totals		38,330	1	2,035	40,366	\$14,506,743

*Fire agency submitted one or more no activity report or a statement of no fire activity in 2009.

Region 3

Island, San Juan, Skagit, and Whatcom counties make up Region 3. In 2009, 92% of the fire service agencies in this region reported NFIRS data to the Office of the State Fire Marshal. Below is a table summarizing the incidents that have been reported over the past five years.



Five Year Incident Type Summary (Five-year total sorted by dollar loss)

Incident Type Category		2005	2006	2007	2008	2009	5-Year Total
Fires	<i># of Incidents</i>	1,787	2,076	1,747	1,525	1,793	8,928
	<i>Dollar Loss</i>	\$6,594,653	\$16,564,139	\$12,469,983	\$13,494,912	\$6,093,439	\$55,217,126
Service Calls	<i># of Incidents</i>	1,329	1,931	1,837	2,280	2,455	9,832
	<i>Dollar Loss</i>	\$11,600	\$18,000	\$37,000	\$116,100	\$1,821,050	\$2,003,750
Rescue & Emergency Medical Service	<i># of Incidents</i>	23,496	25,847	27,628	29,628	30,758	137,357
	<i>Dollar Loss</i>	\$3,900	\$11,000	\$585,500	\$92,000	\$103,500	\$795,900
Hazardous Conditions (No Fire)	<i># of Incidents</i>	876	1,474	1,119	818	1,047	5,334
	<i>Dollar Loss</i>	\$9,570	\$89,850	\$3,670	\$228,015	\$2,830	\$333,935
Good Intent Calls	<i># of Incidents</i>	2,212	2,639	2,747	3,000	3,497	14,095
	<i>Dollar Loss</i>	\$0	\$8,250	\$100,000	\$0	\$0	\$108,250
False Alarms & False Calls	<i># of Incidents</i>	2,256	2,736	2,487	2,458	2,500	12,437
	<i>Dollar Loss</i>	\$700	\$1,800	\$450	\$95,250	\$1,000	\$99,200
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	58	65	92	67	44	326
	<i>Dollar Loss</i>	\$200	\$0	\$2,500	\$15,000	\$3,600	\$21,300
Severe Weather & Natural Disaster	<i># of Incidents</i>	35	430	167	142	112	886
	<i>Dollar Loss</i>	\$0	\$5,000	\$0	\$0	\$0	\$5,000
Other Types of Incidents	<i># of Incidents</i>	193	225	209	283	292	1,202
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$300	\$300
Undetermined Incident Type	<i># of Incidents</i>	18	0	0	0	0	18
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		32,260	37,423	38,033	40,201	42,498	190,415
Total Dollar Loss		\$6,620,623	\$16,698,039	\$13,199,103	\$14,041,277	\$8,025,719	\$58,584,761

Region 3 Fire Incidents

Over the past five years, 8,928 fire incidents have been reported by fire service agencies in Region 3 resulting in more than \$55 million in property and content loss. Structure fires, including confined fires, accounted for nearly 33% of the five-year total and 90% of the dollar loss to property and contents.

2005 – 2009 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category		2005	2006	2007	2008	2009	5-Year Total
Structure Fires (including confined fires)	# of Incidents	588	580	579	572	584	2,903
	Dollar Loss	\$6,045,995	\$15,092,164	\$11,449,948	\$12,082,265	\$5,270,982	\$49,941,354
Vehicle Fires (Mobile Properties)	# of Incidents	307	320	236	211	230	1,304
	Dollar Loss	\$487,629	\$1,333,395	\$837,120	\$1,232,101	\$482,850	\$4,373,095
Fixed Mobile Property Fires	# of Incidents	22	28	31	17	17	115
	Dollar Loss	\$20,320	\$105,550	\$116,300	\$82,200	\$238,100	\$562,470
Outside Storage & Equipment Fires	# of Incidents	75	108	60	48	64	355
	Dollar Loss	\$4,550	\$1,205	\$25,950	\$53,950	\$86,695	\$172,350
Fire, other	# of Incidents	165	262	190	77	82	776
	Dollar Loss	\$31,320	\$24,900	\$26,685	\$35,500	\$3,950	\$122,355
Outside Rubbish Fires	# of Incidents	278	318	241	246	223	1,306
	Dollar Loss	\$1,037	\$2,360	\$6,906	\$5,122	\$6,520	\$21,945
Natural Vegetation Fires	# of Incidents	337	448	406	347	583	2,121
	Dollar Loss	\$3,802	\$4,565	\$6,574	\$3,774	\$1,742	\$20,457
Cultivated Vegetation Fires	# of Incidents	15	12	4	7	10	48
	Dollar Loss	\$0	\$0	\$500	\$0	\$2,600	\$3,100
Total # of Incidents		1,787	2,076	1,747	1,525	1,793	8,928
Total Dollar Loss		\$6,594,653	\$16,564,139	\$12,469,983	\$13,494,912	\$6,093,439	\$55,217,126

2005 – 2009 Structure Fires by Type (Five-year total sorted by dollar loss)

Structure Fires (including confined fires)		2005	2006	2007	2008	2009	5-Year Total
Building fires	# of Incidents	247	239	248	235	276	1,245
	Dollar Loss	\$5,900,995	\$14,854,400	\$11,248,302	\$11,937,245	\$5,223,903	\$49,164,845
Fires in structures other than in a building	# of Incidents	26	29	27	14	16	112
	Dollar Loss	\$8,750	\$204,500	\$116,750	\$121,100	\$23,500	\$474,600
Cooking fire, confined to container	# of Incidents	116	129	135	123	118	621
	Dollar Loss	\$134,750	\$20,744	\$14,576	\$12,031	\$16,158	\$198,259
Chimney or flue fire, confined to chimney or flue	# of Incidents	116	112	122	136	127	613
	Dollar Loss	\$250	\$4,800	\$57,700	\$7,100	\$3,900	\$73,750
Incinerator overload or malfunction, fire confined	# of Incidents	1	4	2	1	0	8
	Dollar Loss	\$0	\$500	\$10,000	\$0	\$0	\$10,500
Trash or rubbish fire, contained	# of Incidents	74	58	37	57	38	264
	Dollar Loss	\$235	\$4,220	\$1,620	\$3,739	\$321	\$10,135
Fuel burner/boiler malfunction, fire confined	# of Incidents	5	9	8	6	7	35
	Dollar Loss	\$1,015	\$3,000	\$1,000	\$1,050	\$3,200	\$9,265
Commercial Compactor fire, confined to rubbish	# of Incidents	1	0	0	0	2	3
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Structure fire, other	# of Incidents	2	0	0	0	0	2
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		588	580	579	572	584	2,903
Total Dollar Loss		\$6,045,995	\$15,092,164	\$11,449,948	\$12,082,265	\$5,270,982	\$49,941,354

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

Property Use by Category		2005	2006	2007	2008	2009	5-Year Total
Residential	# of Incidents	768	855	782	716	752	3,873
	Dollar Loss	\$4,665,567	\$8,535,869	\$3,642,021	\$5,776,772	\$4,000,063	\$26,620,292
Mercantile and Business	# of Incidents	66	64	56	62	53	301
	Dollar Loss	\$89,225	\$79,780	\$5,182,740	\$6,132,407	\$815,798	\$12,299,950
Storage	# of Incidents	49	54	32	30	53	218
	Dollar Loss	\$221,360	\$2,693,600	\$397,500	\$170,300	\$839,135	\$4,321,895
Manufacturing, processing	# of Incidents	16	25	11	6	11	69
	Dollar Loss	\$475,600	\$3,127,500	\$53,000	\$13,000	\$27,500	\$3,696,600
Industrial, Utility, Defense, Agriculture, & Mining	# of Incidents	35	32	39	25	40	171
	Dollar Loss	\$490,450	\$1,287,500	\$813,100	\$2,700	\$15,000	\$2,608,750
Outside or Special Properties	# of Incidents	744	920	696	581	770	3,711
	Dollar Loss	\$506,246	\$734,315	\$455,528	\$484,658	\$370,053	\$2,550,800
Assembly	# of Incidents	35	46	47	48	42	218
	Dollar Loss	\$104,505	\$67,275	\$1,168,275	\$862,484	\$9,140	\$2,211,679
Educational Uses	# of Incidents	13	25	16	12	17	83
	Dollar Loss	\$1,200	\$3,200	\$372,807	\$1,115	\$15,100	\$393,422
None	# of Incidents	16	9	8	3	6	42
	Dollar Loss	\$500	\$11,500	\$300,000	\$0	\$0	\$312,000
Other Property Uses	# of Incidents	18	16	22	17	29	102
	Dollar Loss	\$40,000	\$3,000	\$76,500	\$28,700	\$1,000	\$149,200
Health Care, Detention, and Corrections	# of Incidents	8	14	20	14	12	68
	Dollar Loss	\$0	\$20,600	\$7,512	\$7,506	\$650	\$36,268
Undetermined	# of Incidents	18	14	18	11	7	68
	Dollar Loss	\$0	\$0	\$1,000	\$15,270	\$0	\$16,270
Total # of Incidents		1,786	2,074	1,747	1,525	1,792	8,924
Total Dollar Loss		\$6,594,653	\$16,564,139	\$12,469,983	\$13,494,912	\$6,093,439	\$55,217,126

Area of Origin by Category		2005	2006	2007	2008	2009	5-Year Total
Storage Areas	# of Incidents	49	42	36	41	35	203
	Dollar Loss	\$805,060	\$1,842,550	\$5,583,600	\$7,078,700	\$810,320	\$16,120,230
Structural Areas	# of Incidents	56	80	83	87	73	379
	Dollar Loss	\$1,046,300	\$6,937,400	\$2,213,550	\$1,656,870	\$1,175,850	\$13,029,970
Functional Areas	# of Incidents	121	100	133	164	203	721
	Dollar Loss	\$1,697,315	\$1,478,960	\$1,099,232	\$2,203,707	\$1,210,723	\$7,689,937
Undetermined	# of Incidents	192	161	139	113	165	770
	Dollar Loss	\$728,600	\$1,168,600	\$1,009,700	\$726,750	\$864,500	\$4,498,150
Vehicle Areas	# of Incidents	229	268	190	169	178	1,034
	Dollar Loss	\$421,729	\$1,275,770	\$826,420	\$1,269,351	\$425,950	\$4,219,220
Service or Equipment Areas	# of Incidents	26	34	36	41	50	187
	Dollar Loss	\$304,000	\$1,709,000	\$180,025	\$77,350	\$1,042,068	\$3,312,443
Areas for Groups of People (Assembly)	# of Incidents	20	17	21	24	23	105
	Dollar Loss	\$214,500	\$477,040	\$1,133,000	\$327,950	\$226,000	\$2,378,490
Outside Areas	# of Incidents	139	188	159	221	349	1,056
	Dollar Loss	\$833,602	\$1,120,825	\$138,350	\$36,500	\$210,815	\$2,340,092
Exit/Exit Access/Exit Discharge Areas	# of Incidents	12	14	19	6	11	62
	Dollar Loss	\$30,525	\$211,035	\$163,400	\$33,800	\$88,200	\$526,960
Other Areas of Origin	# of Incidents	39	34	47	47	52	219
	Dollar Loss	\$21,615	\$140,050	\$27,630	\$63,000	\$13,000	\$265,295
Technical Processing Areas	# of Incidents	1	5	1	1	5	13
	Dollar Loss	\$150,000	\$3,500	\$500	\$0	\$0	\$154,000
Total # of Incidents		884	943	864	914	1,144	4,749
Total Dollar Loss		\$6,253,246	\$16,364,730	\$12,375,407	\$13,473,978	\$6,067,426	\$54,534,787

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

Heat Source Categories		2005	2006	2007	2008	2009	5-Year Total
Undetermined	# of Incidents	386	348	316	295	395	1,740
	Dollar Loss	\$2,683,060	\$6,461,310	\$2,973,075	\$3,368,750	\$2,748,958	\$18,235,153
Operating Equipment	# of Incidents	237	246	235	259	284	1,261
	Dollar Loss	\$1,263,059	\$4,136,975	\$3,331,032	\$2,854,721	\$2,216,258	\$13,802,045
Open Flame or Smoking Material	# of Incidents	101	117	87	126	120	551
	Dollar Loss	\$1,073,825	\$1,007,325	\$530,650	\$5,692,807	\$172,700	\$8,477,307
Heat Source Other	# of Incidents	44	40	47	64	79	274
	Dollar Loss	\$662,102	\$147,425	\$5,016,570	\$362,100	\$134,120	\$6,322,317
Heat Spread from Another Fire	# of Incidents	2	23	24	24	27	100
	Dollar Loss	\$20,000	\$3,123,500	\$114,000	\$293,900	\$33,000	\$3,584,400
Hot or Smoldering Object	# of Incidents	84	124	115	126	149	598
	Dollar Loss	\$392,300	\$933,985	\$386,330	\$860,800	\$537,390	\$3,110,805
Chemical or Natural	# of Incidents	6	10	12	7	16	51
	Dollar Loss	\$7,000	\$551,210	\$2,250	\$34,950	\$0	\$595,410
Explosives and Fireworks	# of Incidents	22	32	26	11	65	156
	Dollar Loss	\$131,900	\$3,000	\$16,500	\$5,750	\$82,500	\$239,650
Multiple Heat Sources	# of Incidents	2	3	2	2	2	11
	Dollar Loss	\$20,000	\$0	\$5,000	\$200	\$135,000	\$160,200
Total # of Incidents		884	943	864	914	1,137	4,742
Total Dollar Loss		\$6,253,246	\$16,364,730	\$12,375,407	\$13,473,978	\$6,059,926	\$54,527,287

Cause of Ignition		2005	2006	2007	2008	2009	5-Year Total
Cause under investigation	# of Incidents	84	74	70	80	88	396
	Dollar Loss	\$2,605,289	\$2,959,600	\$6,858,750	\$8,877,500	\$1,282,350	\$22,583,489
Unintentional	# of Incidents	299	339	323	378	443	1,782
	Dollar Loss	\$1,551,965	\$8,155,330	\$2,903,887	\$2,070,195	\$2,598,018	\$17,279,395
Intentional	# of Incidents	121	129	100	132	153	635
	Dollar Loss	\$916,827	\$3,523,750	\$664,400	\$244,157	\$219,570	\$5,568,704
Failure of equipment or heat source	# of Incidents	106	135	140	125	187	693
	Dollar Loss	\$628,465	\$529,500	\$1,038,720	\$937,476	\$1,534,638	\$4,668,799
Cause undetermined after investigation	# of Incidents	228	219	198	162	206	1,013
	Dollar Loss	\$521,600	\$1,179,550	\$863,100	\$763,350	\$426,800	\$3,754,400
Cause, other (conversion and exposure 1 only)	# of Incidents	46	36	25	35	48	190
	Dollar Loss	\$29,100	\$17,000	\$16,300	\$581,100	\$6,050	\$649,550
Act of nature	# of Incidents	2	10	8	2	19	41
	Dollar Loss	\$0	\$0	\$30,250	\$200	\$0	\$30,450
Total # of Incidents		886	942	864	914	1,144	4,750
Total Dollar Loss		\$6,253,246	\$16,364,730	\$12,375,407	\$13,473,978	\$6,067,426	\$54,534,787

Region 3 Incident Reporting Summary

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Island County		8,109	0	313	8,422	\$2,918,725
15D01	Island #1, Camano Island	2,449	0	52	2,501	\$198,500
15D02	Island #2, North Whidbey	1,412	0	152	1,564	\$0
15D03	Island #3, South Whidbey	1,942	0	6	1,948	\$2,128,100
15D05	Island #5, Central Whidbey	1,040	0	30	1,070	\$247,000
15M04	Oak Harbor Fire Department	1,266	0	73	1,339	\$345,125
San Juan		899	0	43	942	\$565,350
28D02	San Juan #2, Orcas Island	603	0	0	603	\$236,750
28D03	San Juan #3, San Juan Island	108	0	30	138	\$2,600
28D04	San Juan #4, Lopez Island	64	0	0	64	\$240,000
28D05	San Juan #5, Shaw Island	10	0	0	10	\$4,000
28M01	Friday Harbor Fire Department	114	0	13	127	\$82,000
Skagit County		10,418	1	371	10,790	\$959,820
29D02	Skagit #2, McLean Road	253	0	19	272	\$30,400
29D03	Skagit #3, Conway/Cedardale	305	0	36	341	\$0
29D04	Skagit #4, Clear Lake	111	0	14	125	\$0
29D05	Skagit #5, Bow/Edison	184	0	0	184	\$0
29D07	Skagit #7, Lake Cavanaugh	14	0	0	14	\$2,500
29D08	Skagit #8, Sedro-Woolley	283	0	16	299	\$0
29D09	Skagit #9, Big Lake	142	0	29	171	\$272,500
29D10	Skagit #10, Concrete	100	0	17	117	\$0
29D11	Skagit #11, Mt. Erie	249	0	35	284	\$13,000
29D12	Skagit #12, Bay View	2	0	2	4	\$1,000
29D13	Skagit #13, Hope Island/Summit Park	605	0	76	681	\$0
29D14	Skagit #14, Alger	185	0	0	185	\$0
29D15	Skagit #15, Lake McMurray	59	0	0	59	\$0
29D16	Skagit #16, Day Creek	0	0	0	0	\$0
29D17	Skagit #17, Guemes Island	21	0	2	23	\$0
29D19	Skagit #19, Rockport	0	0	0	0	\$0
29M01	Anacortes Fire Department	588	1	12	601	\$181,300
29M02	Burlington Fire Department	1,758	0	22	1,780	\$0
29M03	Concrete Fire Department	48	0	1	49	\$0
29M04	Hamilton Fire Department	0	0	0	0	\$0
29M05	La Conner Fire Department	0	0	0	0	\$0
29M07	Mount Vernon Fire Department	3,861	0	13	3,874	\$221,320
29M09	Sedro-Wolley Fire Department	1,650	0	77	1,727	\$237,800
Whatcom County		23,072	2	542	23,616	\$3,581,824
37D01	Whatcom #1, Everson	50	2	0	52	\$0
37D04	Whatcom #4, Bellingham	366	0	41	407	\$213,940
37D05	Whatcom #5, Point Roberts	119	0	0	119	\$175,000
37D07	Whatcom #7, Ferndale	1,756	0	284	2,040	\$746,871
37D08	Whatcom #8, Marietta	996	0	33	1,029	\$49,000
37D11	Whatcom #11, Lummi Island	51	0	0	51	\$1,000
37D14	Whatcom #14, Sumas	714	0	14	728	\$179,000
37D16	Whatcom #16, Acme	10	0	1	11	\$10,000
37D17	Whatcom #17, Sandy Point	97	0	3	100	\$16,100
37D18	Whatcom #18, S Lake Whatcom	102	0	6	108	\$7,000
37D19	Whatcom #19, Glacier	10	0	0	10	\$1,000
37D20	South Whatcom Fire Authority	412	0	13	425	\$10,000
37D21	Whatcom #21	2,363	0	105	2,468	\$798,730
37M01	Bellingham Fire Dept	14,955	0	10	14,965	\$1,373,783
37M07	Lynden Fire Dept	1,071	0	32	1,103	\$400
Region 3 Totals		42,498	3	1,269	43,770	\$8,025,719

Region 4

King, Pierce, and Snohomish counties make up Region 4. In 2009, 94% of the fire service agencies in this region reported NFIRS data to the Office of the State Fire Marshal. Below is a table summarizing the incidents that have been reported over the past five years.



Five Year Incident Type Summary (Five-year total sorted by dollar loss)

Incident Type Category		2005	2006	2007	2008	2009	5-Year Total
Fires	<i># of Incidents</i>	11,034	13,110	10,438	10,170	11,051	55,803
	<i>Dollar Loss</i>	\$71,304,994	\$96,099,787	\$92,568,318	\$105,327,145	\$91,727,713	\$457,027,957
Service Calls	<i># of Incidents</i>	19,921	22,236	20,860	22,020	23,822	108,859
	<i>Dollar Loss</i>	\$120,876	\$370,000	\$221,683	\$684,757	\$733,045	\$2,130,361
Rescue & Emergency Medical Service	<i># of Incidents</i>	175,112	179,325	194,988	218,514	227,087	995,026
	<i>Dollar Loss</i>	\$262,100	\$369,500	\$31,461	\$643,901	\$76,003	\$1,382,965
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	947	860	859	933	906	4,505
	<i>Dollar Loss</i>	\$12,275	\$25,760	\$1,198,630	\$64,015	\$46,700	\$1,347,380
Hazardous Conditions (No Fire)	<i># of Incidents</i>	6,534	9,252	6,875	6,218	5,568	34,447
	<i>Dollar Loss</i>	\$130,903	\$183,885	\$100,138	\$73,996	\$37,065	\$525,987
Other Types of Incidents	<i># of Incidents</i>	2,090	2,214	2,247	2,150	2,395	11,096
	<i>Dollar Loss</i>	\$6,500	\$360,500	\$36,050	\$9,550	\$0	\$412,600
False Alarms & False Calls	<i># of Incidents</i>	25,290	25,757	25,177	24,878	24,780	125,882
	<i>Dollar Loss</i>	\$42,850	\$206,000	\$48,506	\$20,850	\$57,871	\$376,077
Severe Weather & Natural Disaster	<i># of Incidents</i>	138	2,149	350	163	189	2,989
	<i>Dollar Loss</i>	\$12,000	\$77,100	\$100,000	\$5,000	\$0	\$194,100
Good Intent Calls	<i># of Incidents</i>	21,038	23,013	23,393	23,535	25,790	116,769
	<i>Dollar Loss</i>	\$450	\$2,600	\$4,175	\$5,001	\$1,502	\$13,728
Undetermined Incident Type	<i># of Incidents</i>	144	83	50	45	33	355
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		262,248	277,999	285,237	308,626	321,621	1,455,731
Total Dollar Loss		\$71,892,948	\$97,695,132	\$94,308,961	\$106,834,215	\$92,679,899	\$463,411,155

Region 4 Fire Incidents

Over the past five years, 55,803 fire incidents have been reported by fire service agencies in Region 4 resulting in more than \$457 million in property and content loss. Structure fires, including confined fires, accounted for nearly 31% of the five-year total and 89% of the dollar loss to property and contents.

2005 – 2009 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category		2005	2006	2007	2008	2009	5-Year Total
Structure Fires (including confined fires)	# of Incidents	3,658	3,796	3,504	3,478	3,226	17,662
	Dollar Loss	\$64,737,408	\$86,612,287	\$81,425,840	\$91,977,744	\$83,706,298	\$408,459,577
Vehicle Fires (Mobile Properties)	# of Incidents	2,302	2,176	1,970	1,779	1,687	9,914
	Dollar Loss	\$5,570,166	\$7,216,828	\$9,084,276	\$11,024,598	\$6,318,689	\$39,214,557
Fixed Mobile Property Fires	# of Incidents	99	105	113	127	104	548
	Dollar Loss	\$587,700	\$1,224,451	\$1,027,725	\$1,463,856	\$981,051	\$5,284,783
Outside Storage & Equipment Fires	# of Incidents	733	962	760	758	818	4,031
	Dollar Loss	\$209,889	\$231,828	\$515,887	\$281,998	\$197,485	\$1,437,087
Fire, other	# of Incidents	622	883	532	432	435	2,904
	Dollar Loss	\$122,732	\$466,516	\$225,192	\$152,788	\$314,559	\$1,281,787
Outside Rubbish Fires	# of Incidents	1,642	1,891	1,519	1,710	1,620	8,382
	Dollar Loss	\$33,394	\$277,940	\$238,001	\$402,468	\$100,826	\$1,052,629
Natural Vegetation Fires	# of Incidents	1,963	3,274	2,002	1,860	3,134	12,233
	Dollar Loss	\$42,855	\$69,237	\$51,182	\$21,693	\$68,300	\$253,267
Cultivated Vegetation Fires	# of Incidents	15	23	38	26	27	129
	Dollar Loss	\$850	\$700	\$215	\$2,000	\$40,505	\$44,270
Total # of Incidents		11,034	13,110	10,438	10,170	11,051	55,803
Total Dollar Loss		\$71,304,994	\$96,099,787	\$92,568,318	\$105,327,145	\$91,727,713	\$457,027,957

2005 – 2009 Structure Fires by Type (Five-year total sorted by dollar loss)

Structure Fires (including confined fires)		2005	2006	2007	2008	2009	5-Year Total
Building fires	# of Incidents	1,802	1,897	1,813	1,867	1,850	9,229
	Dollar Loss	\$63,855,642	\$86,246,92	\$80,123,27	\$91,416,14	\$83,210,79	\$404,852,77
Fires in structures other than in a building	# of Incidents	98	100	116	95	78	487
	Dollar Loss	\$467,350	\$90,025	\$1,030,990	\$207,975	\$291,900	\$2,088,240
Cooking fire, confined to container	# of Incidents	1,010	945	899	814	698	4,366
	Dollar Loss	\$159,724	\$169,120	\$160,516	\$222,408	\$127,520	\$839,288
Chimney or flue fire, confined to chimney or flue	# of Incidents	319	397	315	336	291	1,658
	Dollar Loss	\$34,880	\$65,370	\$30,302	\$65,002	\$35,062	\$230,616
Structure fire, other	# of Incidents	27	16	1	0	0	44
	Dollar Loss	\$168,950	\$13,700	\$3,500	\$0	\$0	\$186,150
Trash or rubbish fire, contained	# of Incidents	356	403	315	326	277	1,677
	Dollar Loss	\$13,612	\$15,250	\$30,394	\$42,319	\$29,821	\$131,396
Fuel burner/boiler malfunction. fire confined	# of Incidents	29	24	28	31	20	132
	Dollar Loss	\$37,250	\$9,400	\$26,160	\$18,150	\$9,200	\$100,160
Commercial Compactor fire, confined to rubbish	# of Incidents	10	7	7	6	7	37
	Dollar Loss	\$0	\$2,500	\$20,000	\$250	\$0	\$22,750
Incinerator overload or malfunction. fire confined	# of Incidents	7	7	9	3	5	31
	Dollar Loss	\$0	\$0	\$700	\$5,500	\$2,000	\$8,200
Structure Fire	# of Incidents	0	0	1	0	0	1
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		3,658	3,796	3,504	3,478	3,226	17,662
Total Dollar Loss		\$64,737,408	\$86,612,28	\$81,425,84	\$91,977,74	\$83,706,29	\$408,459,57

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

Property Use by Category		2005	2006	2007	2008	2009	5-Year Total
Residential	# of Incidents	4,287	4,641	4,011	3,994	4,111	21,044
	Dollar Loss	\$51,770,008	\$70,241,402	\$60,960,565	\$80,112,163	\$64,269,331	\$327,353,469
Outside or Special Properties	# of Incidents	4,120	5,273	3,956	3,791	4,566	21,706
	Dollar Loss	\$7,287,629	\$4,669,927	\$7,473,967	\$7,764,390	\$4,641,120	\$31,837,033
Mercantile and Business	# of Incidents	425	511	431	405	364	2,136
	Dollar Loss	\$2,661,250	\$3,333,930	\$10,950,356	\$2,591,846	\$4,752,525	\$24,289,907
Storage	# of Incidents	226	222	207	200	174	1,029
	Dollar Loss	\$1,755,918	\$7,485,176	\$3,514,418	\$3,945,587	\$6,036,688	\$22,737,787
Assembly	# of Incidents	258	324	261	270	311	1,424
	Dollar Loss	\$2,020,191	\$1,931,988	\$4,369,665	\$3,890,899	\$5,773,054	\$17,985,797
Manufacturing, processing	# of Incidents	84	98	109	89	68	448
	Dollar Loss	\$422,959	\$4,229,060	\$1,346,369	\$2,034,440	\$1,385,065	\$9,417,893
Educational Uses	# of Incidents	236	303	217	190	203	1,149
	Dollar Loss	\$77,091	\$480,104	\$2,495,929	\$265,960	\$2,871,216	\$6,190,300
Other Property Uses	# of Incidents	379	431	326	326	256	1,718
	Dollar Loss	\$1,045,985	\$1,639,349	\$856,866	\$1,614,545	\$940,520	\$6,097,265
Health Care, Detention, and Corrections	# of Incidents	90	104	88	92	88	462
	Dollar Loss	\$3,780,850	\$957,415	\$114,842	\$346,401	\$716,530	\$5,916,038
Industrial, Utility, Defense, Agriculture, & Mining	# of Incidents	80	131	73	93	142	519
	Dollar Loss	\$23,752	\$505,090	\$151,200	\$2,253,400	\$237,850	\$3,171,292
Undetermined	# of Incidents	764	1,006	722	682	731	3,905
	Dollar Loss	\$150,981	\$340,996	\$312,791	\$446,314	\$101,464	\$1,352,546
None	# of Incidents	68	66	36	38	37	245
	Dollar Loss	\$55,880	\$285,350	\$21,350	\$61,200	\$2,350	\$426,130
Total # of Incidents		11,017	13,110	10,437	10,170	11,051	55,785
Total Dollar Loss		\$71,052,494	\$96,099,787	\$92,568,318	\$105,327,145	\$91,727,713	\$456,775,457

Area of Origin by Category		2005	2006	2007	2008	2009	5-Year Total
Functional Areas	# of Incidents	930	1,043	1,127	1,334	1,406	5,840
	Dollar Loss	\$20,998,211	\$26,016,957	\$23,508,340	\$34,352,565	\$28,912,250	\$133,788,323
Structural Areas	# of Incidents	388	428	386	424	425	2,051
	Dollar Loss	\$13,546,651	\$20,685,174	\$20,803,405	\$16,165,454	\$20,791,009	\$91,991,693
Storage Areas	# of Incidents	275	271	252	263	283	1,344
	Dollar Loss	\$9,402,482	\$8,265,275	\$10,883,318	\$12,312,659	\$10,076,228	\$50,939,962
Undetermined	# of Incidents	310	346	333	332	349	1,670
	Dollar Loss	\$9,224,129	\$13,852,589	\$7,099,700	\$7,047,601	\$9,477,794	\$46,701,813
Vehicle Areas	# of Incidents	2,043	1,935	1,739	1,612	1,503	8,832
	Dollar Loss	\$5,050,335	\$5,932,363	\$7,408,751	\$10,078,984	\$6,266,391	\$34,736,824
Areas for Groups of People (Assembly)	# of Incidents	118	114	129	136	127	624
	Dollar Loss	\$3,688,274	\$7,503,617	\$10,905,390	\$3,732,478	\$4,623,674	\$30,453,433
Outside Areas	# of Incidents	1,716	2,609	1,770	1,831	2,587	10,513
	Dollar Loss	\$1,754,731	\$2,044,318	\$3,634,372	\$12,918,957	\$4,434,071	\$24,786,449
Service or Equipment Areas	# of Incidents	117	130	174	170	144	735
	Dollar Loss	\$4,203,852	\$4,141,070	\$3,764,923	\$2,578,027	\$3,569,918	\$18,257,790
Exit/Exit Access/Exit Discharge Areas	# of Incidents	91	88	94	103	104	480
	Dollar Loss	\$1,468,484	\$3,065,406	\$1,689,249	\$3,507,247	\$2,755,216	\$12,485,602
Technical Processing Areas	# of Incidents	20	16	30	20	28	114
	Dollar Loss	\$531,325	\$2,825,360	\$696,448	\$1,101,919	\$166,800	\$5,321,852
Other Areas of Origin	# of Incidents	135	163	168	143	161	770
	Dollar Loss	\$589,997	\$718,946	\$1,675,125	\$1,045,620	\$349,570	\$4,379,258
Total # of Incidents		6,143	7,143	6,202	6,368	7,117	32,973
Total Dollar Loss		\$70,458,471	\$95,051,075	\$92,069,021	\$104,841,511	\$91,422,921	\$453,842,999

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

Heat Source Categories		2005	2006	2007	2008	2009	5-Year Total
Undetermined	# of Incidents	1,941	2,273	1,903	1,846	2,077	10,040
	Dollar Loss	\$23,270,262	\$33,422,811	\$33,885,884	\$38,209,009	\$34,763,802	\$163,551,768
Operating Equipment	# of Incidents	2,000	1,960	2,002	2,145	2,114	10,221
	Dollar Loss	\$20,756,376	\$29,424,170	\$28,855,931	\$27,519,656	\$29,236,167	\$135,792,300
Open Flame or Smoking Material	# of Incidents	1,006	1,321	975	1,007	1,191	5,500
	Dollar Loss	\$10,674,056	\$11,835,605	\$11,211,638	\$18,802,406	\$11,938,270	\$64,461,975
Hot or Smoldering Object	# of Incidents	677	884	714	767	897	3,939
	Dollar Loss	\$5,763,568	\$9,395,791	\$11,196,048	\$10,459,402	\$6,943,813	\$43,758,622
Explosives and Fireworks	# of Incidents	251	339	264	213	406	1,473
	Dollar Loss	\$1,577,136	\$6,121,352	\$2,096,403	\$1,266,120	\$4,353,460	\$15,414,471
Heat Source Other	# of Incidents	162	207	217	229	224	1,039
	Dollar Loss	\$4,069,650	\$1,639,334	\$2,456,299	\$2,863,676	\$1,589,296	\$12,618,255
Chemical or Natural	# of Incidents	61	77	60	76	90	364
	Dollar Loss	\$3,662,723	\$587,050	\$1,377,704	\$2,003,160	\$1,860,670	\$9,491,307
Heat Spread from Another Fire	# of Incidents	2	46	37	49	90	224
	Dollar Loss	\$529,200	\$1,585,462	\$720,589	\$1,611,082	\$705,443	\$5,151,776
Multiple Heat Sources	# of Incidents	43	36	30	37	29	175
	Dollar Loss	\$155,500	\$1,039,500	\$268,525	\$2,107,500	\$32,000	\$3,603,025
Total # of Incidents		6,143	7,143	6,202	6,369	7,118	32,975
Total Dollar Loss		\$70,458,471	\$95,051,075	\$92,069,021	\$104,842,011	\$91,422,921	\$453,843,499

Cause of Ignition		2005	2006	2007	2008	2009	5-Year Total
Unintentional	# of Incidents	2,426	3,007	2,620	2,949	3,551	14,553
	Dollar Loss	\$31,069,554	\$44,116,407	\$43,635,827	\$38,459,423	\$42,927,478	\$200,208,689
Cause under investigation	# of Incidents	487	468	424	460	482	2,321
	Dollar Loss	\$13,907,412	\$18,072,555	\$20,990,220	\$30,611,330	\$25,236,772	\$108,818,289
Failure of equipment or heat source	# of Incidents	1,255	1,209	1,138	1,089	1,022	5,713
	Dollar Loss	\$8,209,660	\$13,317,928	\$11,358,945	\$12,282,603	\$8,803,621	\$53,972,757
Intentional	# of Incidents	928	1,028	956	988	974	4,874
	Dollar Loss	\$5,307,494	\$5,523,163	\$6,447,367	\$15,320,359	\$6,342,047	\$38,940,430
Cause undetermined after investigation	# of Incidents	656	857	651	559	799	3,522
	Dollar Loss	\$3,250,842	\$11,221,505	\$7,565,110	\$4,691,843	\$6,238,332	\$32,967,632
Cause, other (conversion and exposure 1 only)	# of Incidents	360	513	368	281	245	1,767
	Dollar Loss	\$8,535,509	\$2,772,817	\$2,010,363	\$3,169,453	\$1,746,070	\$18,234,212
Act of nature	# of Incidents	30	63	45	43	45	226
	Dollar Loss	\$177,500	\$26,700	\$61,189	\$307,000	\$128,601	\$700,990
Total # of Incidents		6,142	7,145	6,202	6,369	7,118	32,976
Total Dollar Loss		\$70,457,971	\$95,051,075	\$92,069,021	\$104,842,011	\$91,422,921	\$453,842,999

Region 4 Incident Reporting Summary

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
King County		147,928	32	14,797	162,757	\$42,244,060
17D02	King #2, Burien	3,823	0	329	4,152	\$903,100
17D04	King #4, Shoreline	9,380	2	323	9,705	\$1,658,800
17D10	King #10, Eastside Fire & Rescue	8,311	0	472	8,783	\$2,182,059
17D11	King #11, North Highline	4,461	0	338	4,799	\$1,939,040
17D13	King #13, Vashon-Maury	1,161	0	0	1,161	\$500,000
17D16	King #16, Northshore	2,989	0	387	3,376	\$94,875
17D20	King #20, Skyway/Bryn Mawr/Lakeridge	2,133	0	165	2,298	\$870,500
17D27	King #27, Fall City	511	0	287	798	\$241,300
17D36	Woodinville Fire & Life Safety	2,746	0	705	3,451	\$259,825
17D39	King #39, South King Fire & Rescue	14,988	5	477	15,470	\$3,872,822
17D43	King #43, Maple Valley Fire & Life Safety	2,492	0	187	2,679	\$868,025
17D44	King #44, Mountain View Fire & Rescue	1,481	0	102	1,583	\$1,394,752
17D45	King #45, Duvall	919	0	172	1,091	\$568,750
17D47	King #47, Kangley/Palmer	97	0	1	98	\$11,000
17D50	King#50, Skykomish/Stevens Pass	396	0	4	400	\$378,120
17D51	King #51, Snoqualmie Pass Fire & Rescue	0	0	0	0	\$0
17M01	Valley Regional Fire Authority	8,795	0	80	8,875	\$1,656,091
17M02	Bellevue Fire Department	13,150	4	3,925	17,079	\$5,149,815
17M03	Black Diamond Fire Department	240	0	1	241	\$51,200
17M04	Bothell Fire Department	4,299	2	315	4,616	\$536,000
17M06	Enumclaw Fire Department/King #28	1,239	0	43	1,282	\$489,265
17M08	Kent Fire Department	15,455	10	556	16,021	\$2,869,665
17M09	Kirkland Fire Department	6,648	0	670	7,318	\$2,812,043
17M10	Mercer Island Fire Department	2,055	0	50	2,105	\$423,825
17M13	Redmond Fire Department	6,714	0	3,890	10,604	\$44,685
17M14	Renton Fire & Emergency Services	12,486	3	223	12,712	\$851,520
17M15	Seattle Fire Department	12,393	0	1	12,394	\$6,054,577
17M17	Snoqualmie Fire Department	814	0	261	1,075	\$150,100
17M19	Tukwila Fire Department	4,488	1	330	4,819	\$1,935,596
17M20	SeaTac Fire Department	3,264	5	503	3,772	\$3,476,710
Pierce County		100,852	5	3,758	104,615	\$21,498,424
27D02	Pierce #2, Lakewood	9,956	1	184	10,141	\$3,689,877
27D03	Pierce #3, University Place	3,465	0	90	3,555	\$772,100
27D05	Pierce #5, Gig Harbor	4,619	0	66	4,685	\$777,666
27D06	Pierce #6, Central Pierce	23,245	0	1,208	24,453	\$4,004,175
27D08	Pierce #8, Edgewood	817	0	388	1,205	\$469,080
27D13	Pierce #13, Brown's Point	172	0	16	188	\$6,550
27D14	Riverside Fire & Rescue	389	0	22	411	\$56,500
27D16	Pierce #16, Key Peninsula	1,778	2	37	1,817	\$938,700
27D17	South Pierce Fire & Rescue 17	1,744	0	122	1,866	\$3,600
27D18	Pierce #18, Orting	1,158	0	90	1,248	\$6,125
27D21	Pierce #21, Graham	4,790	0	403	5,193	\$307,500
27D22	Pierce #22, East Pierce	6,870	1	375	7,246	\$2,171,701
27D23	Pierce #23, Elbe/Ashford	263	0	43	306	\$82,300
27D25	Pierce #25, Crystal Mountain	0	0	0	0	\$0
27D26	Pierce #26, Greenwater	2	0	3	5	\$0
27D27	Pierce #27, Anderson Island	232	0	16	248	\$0

Region 4 Incident Reporting Summary (Continued)

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
27M02	Buckley Fire Department	1,093	0	67	1,160	\$55,300
27M03	Carbonado Fire Department	30	0	25	55	\$0
27M04	Dupont Fire Department	697	0	10	707	\$8,560
27M05	Eatonville Fire Department	398	0	174	572	\$0
27M07	Milton Fire Department	786	0	414	1,200	\$39,185
27M11	Ruston Fire Department	0	0	0	0	\$0
27M14	Steilacoom Fire Department	292	0	1	293	\$30,000
27M16	Tacoma Fire Department	37,583	1	0	37,584	\$7,414,305
27S05	McNeil Island Fire Department	473	0	4	477	\$665,200
Snohomish County		72,713	5	6,712	79,430	\$28,843,915
31D01	Snohomish #1	12,469	5	1,142	13,616	\$3,359,141
31D04	Snohomish #4, Snohomish	3,056	0	138	3,194	\$781,000
31D05	Snohomish #5, Sultan	1,018	0	80	1,098	\$1,016,050
31D07	Snohomish #7, Clearview	51	0	0	51	\$3,395,800
31D08	Snohomish #8, Lake Stevens	3,407	0	667	4,074	\$572,150
31D15	Snohomish #15, Tulalip Bay	646	0	52	698	\$0
31D16	Snohomish #16, Lake Roesiger	0	0	1	1	\$0
31D17	Snohomish #17, Granite Falls	1,561	0	151	1,712	\$311,300
31D19	Snohomish #19, Silvana	373	0	136	509	\$0
31D21	Snohomish #21, Arlington	0	0	0	0	\$0
31D22	Snohomish #22, Getchell	512	0	637	1,149	\$195,800
31D23	Snohomish #23, Robe Valley	97	0	0	97	\$0
31D24	Snohomish/Skagit #24	281	0	14	295	\$73,500
31D25	Snohomish #25, Oso	10	0	4	14	\$0
31D26	Snohomish #26, Gold Bar	28	0	42	70	\$289,400
31D27	Snohomish #27, Hat Island	0	0	0	0	\$0
31D28	Snohomish #28, Index	127	0	12	139	\$25,102
31D30	North County Regional Fire Authority	1,556	0	510	2,066	\$2,743,035
31M01	Arlington Fire Department	2,722	0	315	3,037	\$16,000
31M03	Edmonds Fire Department	4,697	0	545	5,242	\$1,564,672
31M04	Everett Fire Department	18,490	0	26	18,516	\$7,981,615
31M07	Lynnwood Fire Department	5,663	0	683	6,346	\$869,480
31M08	Marysville Fire Department	9,922	0	499	10,421	\$3,547,500
31M09	Monroe Fire Department/Snohomish #3	2,993	0	535	3,528	\$1,676,193
31M11	Mukilteo Fire Department	1,670	0	224	1,894	\$235,677
31M13	Stanwood Fire Department	1,364	0	299	1,663	\$190,500
Region 4 Totals		321,493	42	25,267	346,802	\$92,586,399

Region 5

Clark, Cowlitz, Lewis, Skamania, Wahkiakum counties make up Region 5. In 2009, 88% of the fire service agencies in this region reported NFIRS data to the Office of the State Fire Marshal. Below is a table summarizing the incidents that have been reported over the past five years.



Five Year Incident Type Summary (Five-year total sorted by dollar loss)

Incident Type Category		2005	2006	2007	2008	2009	5-Year Total
Fires	# of Incidents	2,047	2,528	2,421	2,303	2,399	11,698
	Dollar Loss	\$6,855,375	\$9,754,476	\$20,427,165	\$25,234,971	\$45,754,241	\$108,026,228
Rescue & Emergency Medical Service	# of Incidents	29,499	31,747	29,883	37,484	38,744	167,357
	Dollar Loss	\$98,900	\$188,600	\$159,164	\$361,201	\$260,700	\$1,068,565
Overpressure Rupture, Explosion, Overheat (No Fire)	# of Incidents	74	80	81	64	69	368
	Dollar Loss	\$191,370	\$325,300	\$1,850	\$8,020	\$62,000	\$588,540
Hazardous Conditions (No Fire)	# of Incidents	705	755	743	736	720	3,659
	Dollar Loss	\$40,852	\$171,850	\$61,420	\$105,715	\$95,700	\$475,537
Service Calls	# of Incidents	1,312	1,694	1,676	2,197	2,441	9,320
	Dollar Loss	\$82,800	\$56,045	\$13,250	\$29,100	\$156,930	\$338,125
Severe Weather & Natural Disaster	# of Incidents	19	61	19	20	33	152
	Dollar Loss	\$48,000	\$126,500	\$1,000	\$102,500	\$6,000	\$284,000
False Alarms & False Calls	# of Incidents	2,283	2,186	2,259	2,507	2,524	11,759
	Dollar Loss	\$43,850	\$1,000	\$1,002	\$68,725	\$79,000	\$193,577
Other Types of Incidents	# of Incidents	88	171	165	178	727	1,329
	Dollar Loss	\$0	\$0	\$0	\$25,000	\$0	\$25,000
Good Intent Calls	# of Incidents	3,455	4,280	4,237	5,862	6,569	24,403
	Dollar Loss	\$1,000	\$0	\$6,050	\$5,610	\$100	\$12,760
Undetermined Incident Type	# of Incidents	4	0	0	0	0	4
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		39,486	43,502	41,484	51,351	54,226	230,049
Total Dollar Loss		\$7,362,147	\$10,623,771	\$20,670,901	\$25,940,842	\$46,414,671	\$111,012,332

Region 5 Fire Incidents

Over the past five years, 11,698 fire incidents have been reported by fire service agencies in Region 5 resulting in more than \$108 million in property and content loss. Structure fires, including confined fires, accounted for 28% of the five-year total and 92% of the dollar loss to property and contents.

2005 – 2009 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category		2005	2006	2007	2008	2009	5-Year Total
Structure Fires (including confined fires)	# of Incidents	611	664	654	708	670	3,307
	Dollar Loss	\$5,666,056	\$8,083,222	\$19,090,799	\$23,393,116	\$43,872,918	\$100,106,111
Vehicle Fires (Mobile Properties)	# of Incidents	402	410	399	340	372	1,923
	Dollar Loss	\$902,400	\$1,070,666	\$1,076,192	\$1,160,003	\$1,328,033	\$5,537,294
Fixed Mobile Property Fires	# of Incidents	20	31	16	25	32	124
	Dollar Loss	\$26,140	\$310,900	\$33,900	\$70,755	\$387,450	\$829,145
Outside Storage & Equipment Fires	# of Incidents	60	79	71	102	96	408
	Dollar Loss	\$174,930	\$198,125	\$47,400	\$62,690	\$45,610	\$528,755
Natural Vegetation Fires	# of Incidents	347	607	622	624	766	2,966
	Dollar Loss	\$49,840	\$13,790	\$94,062	\$329,421	\$14,705	\$501,818
Fire, other	# of Incidents	239	324	244	125	147	1,079
	Dollar Loss	\$21,736	\$41,232	\$44,451	\$200,975	\$28,350	\$336,744
Outside Rubbish Fires	# of Incidents	365	410	410	376	308	1,869
	Dollar Loss	\$14,273	\$36,541	\$39,361	\$17,991	\$36,075	\$144,241
Cultivated Vegetation Fires	# of Incidents	3	3	5	3	8	22
	Dollar Loss	\$0	\$0	\$1,000	\$20	\$41,100	\$42,120
Total # of Incidents		2,047	2,528	2,421	2,303	2,399	11,698
Total Dollar Loss		\$6,855,375	\$9,754,476	\$20,427,165	\$25,234,971	\$45,754,241	\$108,026,228

2005 – 2009 Structure Fires by Type (Five-year total sorted by dollar loss)

Structure Fires (including confined fires)		2005	2006	2007	2008	2009	5-Year Total
Building fires	# of Incidents	280	309	308	336	346	1,579
	Dollar Loss	\$5,521,000	\$7,988,205	\$19,041,426	\$23,083,802	\$43,798,228	\$99,432,661
Fires in structures other than in a building	# of Incidents	30	19	27	26	22	124
	Dollar Loss	\$98,360	\$59,260	\$8,476	\$160,050	\$27,870	\$354,016
Cooking fire, confined to container	# of Incidents	99	110	117	152	127	605
	Dollar Loss	\$25,925	\$9,827	\$28,817	\$113,502	\$27,110	\$205,181
Chimney or flue fire, confined to chimney or flue	# of Incidents	141	168	141	155	133	738
	Dollar Loss	\$11,551	\$14,300	\$5,200	\$19,902	\$1,900	\$52,853
Trash or rubbish fire, contained	# of Incidents	50	49	52	27	30	208
	Dollar Loss	\$5,920	\$6,280	\$80	\$7,360	\$2,710	\$22,350
Commercial Compactor fire, confined to rubbish	# of Incidents	0	1	1	1	3	6
	Dollar Loss	\$0	\$0	\$5,000	\$0	\$10,000	\$15,000
Fuel burner/boiler malfunction, fire confined	# of Incidents	4	4	5	8	5	26
	Dollar Loss	\$300	\$350	\$1,800	\$8,500	\$100	\$11,050
Incinerator overload or malfunction, fire confined	# of Incidents	1	3	3	3	4	14
	Dollar Loss	\$0	\$5,000	\$0	\$0	\$5,000	\$10,000
Structure fire, other	# of Incidents	6	1	0	0	0	7
	Dollar Loss	\$3,000	\$0	\$0	\$0	\$0	\$3,000
Total # of Incidents		611	664	654	708	670	3,307
Total Dollar Loss		\$5,666,056	\$8,083,222	\$19,090,799	\$23,393,116	\$43,872,918	\$100,106,111

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

Property Use by Category		2005	2006	2007	2008	2009	5-Year Total
Residential	# of Incidents	846	957	969	931	930	4,633
	Dollar Loss	\$4,647,002	\$7,210,480	\$12,582,896	\$12,526,519	\$17,105,318	\$54,072,215
Manufacturing, processing	# of Incidents	32	25	28	45	51	181
	Dollar Loss	\$182,500	\$38,300	\$33,250	\$9,039,700	\$23,696,500	\$32,990,250
Storage	# of Incidents	62	75	60	51	54	302
	Dollar Loss	\$592,100	\$826,745	\$4,643,810	\$599,300	\$1,612,700	\$8,274,655
Outside or Special Properties	# of Incidents	783	993	866	841	952	4,435
	Dollar Loss	\$859,651	\$717,425	\$786,458	\$629,344	\$890,836	\$3,883,714
Mercantile and Business	# of Incidents	64	94	141	145	148	592
	Dollar Loss	\$221,210	\$81,466	\$1,145,700	\$443,011	\$1,623,685	\$3,515,072
Assembly	# of Incidents	36	60	65	70	70	301
	Dollar Loss	\$32,550	\$254,110	\$75,780	\$1,281,030	\$705,877	\$2,349,347
Industrial, Utility, Defense, Agriculture, & Mining	# of Incidents	33	39	37	29	32	170
	Dollar Loss	\$130,000	\$257,000	\$673,800	\$96,500	\$41,000	\$1,198,300
Other Property Uses	# of Incidents	64	106	54	47	36	307
	Dollar Loss	\$65,600	\$268,550	\$147,600	\$171,475	\$8,400	\$661,625
Educational Uses	# of Incidents	21	42	43	52	50	208
	Dollar Loss	\$25,700	\$29,700	\$39,400	\$319,140	\$44,075	\$458,015
None	# of Incidents	61	77	66	42	27	273
	Dollar Loss	\$71,900	\$28,600	\$61,601	\$96,600	\$14,600	\$273,301
Undetermined	# of Incidents	32	43	70	24	16	185
	Dollar Loss	\$25,012	\$19,850	\$175,550	\$25,352	\$6,300	\$252,064
Health Care, Detention, and Corrections	# of Incidents	13	17	22	18	16	86
	Dollar Loss	\$2,150	\$22,250	\$61,320	\$7,000	\$4,950	\$97,670
Total # of Incidents		2,047	2,528	2,421	2,295	2,382	11,673
Total Dollar Loss		\$6,855,375	\$9,754,476	\$20,427,165	\$25,234,971	\$45,754,241	\$108,026,228

Area of Origin by Category		2005	2006	2007	2008	2009	5-Year Total
Undetermined	# of Incidents	106	120	123	118	171	638
	Dollar Loss	\$270,150	\$1,322,850	\$5,410,751	\$2,718,500	\$18,569,746	\$28,291,997
Structural Areas	# of Incidents	74	102	100	110	101	487
	Dollar Loss	\$1,013,850	\$1,674,502	\$6,523,826	\$3,434,830	\$4,949,646	\$17,596,654
Functional Areas	# of Incidents	128	138	119	183	187	755
	Dollar Loss	\$1,818,250	\$2,731,410	\$1,881,920	\$4,076,305	\$5,929,000	\$16,436,885
Service or Equipment Areas	# of Incidents	33	34	39	60	50	216
	Dollar Loss	\$465,000	\$116,621	\$1,702,450	\$8,650,400	\$328,100	\$11,262,571
Other Areas of Origin	# of Incidents	44	84	74	101	85	388
	Dollar Loss	\$103,140	\$235,600	\$54,500	\$617,425	\$8,883,490	\$9,894,155
Storage Areas	# of Incidents	61	50	75	82	92	360
	Dollar Loss	\$699,810	\$740,601	\$2,158,331	\$1,683,045	\$2,617,538	\$7,899,325
Vehicle Areas	# of Incidents	335	347	330	310	335	1,657
	Dollar Loss	\$864,250	\$1,019,916	\$863,442	\$1,291,253	\$1,955,687	\$5,994,548
Outside Areas	# of Incidents	345	505	553	705	824	2,932
	Dollar Loss	\$922,600	\$1,209,152	\$605,822	\$1,625,026	\$753,980	\$5,116,580
Areas for Groups of People (Assembly)	# of Incidents	15	19	14	19	31	98
	Dollar Loss	\$275,200	\$433,375	\$284,450	\$830,302	\$1,106,074	\$2,929,401
Exit/Exit Access/Exit Discharge Areas	# of Incidents	9	8	12	12	15	56
	Dollar Loss	\$170,170	\$153,095	\$290,025	\$76,700	\$385,000	\$1,074,990
Technical Processing Areas	# of Incidents	6	5	5	4	7	27
	Dollar Loss	\$160,000	\$24,000	\$553,000	\$47,000	\$172,000	\$956,000
Total # of Incidents		1,156	1,412	1,444	1,704	1,898	7,614
Total Dollar Loss		\$6,762,420	\$9,661,122	\$20,328,517	\$25,050,786	\$45,650,261	\$107,453,106

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

Heat Source Categories		2005	2006	2007	2008	2009	5-Year Total
Undetermined	# of Incidents	427	486	587	686	842	3,028
	Dollar Loss	\$2,948,110	\$4,061,850	\$9,760,163	\$7,511,251	\$26,413,188	\$50,694,562
Operating Equipment	# of Incidents	266	325	301	375	361	1,628
	Dollar Loss	\$2,166,560	\$2,857,241	\$2,406,463	\$5,315,845	\$4,198,722	\$16,944,831
Hot or Smoldering Object	# of Incidents	154	207	197	214	221	993
	Dollar Loss	\$288,480	\$344,684	\$2,548,535	\$1,390,860	\$10,624,430	\$15,196,989
Heat Source Other	# of Incidents	92	119	104	100	87	502
	Dollar Loss	\$250,100	\$414,991	\$682,516	\$9,292,825	\$74,935	\$10,715,367
Open Flame or Smoking Material	# of Incidents	157	178	148	206	219	908
	Dollar Loss	\$702,400	\$1,439,371	\$796,310	\$1,216,685	\$2,939,886	\$7,094,652
Heat Spread from Another Fire	# of Incidents	3	14	31	51	65	164
	Dollar Loss	\$11,100	\$52,800	\$3,795,300	\$272,600	\$1,260,100	\$5,391,900
Explosives and Fireworks	# of Incidents	39	58	65	42	87	291
	Dollar Loss	\$244,070	\$301,785	\$123,980	\$17,300	\$139,000	\$826,135
Chemical or Natural	# of Incidents	14	16	7	25	14	76
	Dollar Loss	\$52,800	\$187,900	\$166,250	\$3,420	\$0	\$410,370
Multiple Heat Sources	# of Incidents	4	9	4	5	2	24
	Dollar Loss	\$98,800	\$500	\$49,000	\$30,000	\$0	\$178,300
Total # of Incidents		1,156	1,412	1,444	1,704	1,898	7,614
Total Dollar Loss		\$6,762,420	\$9,661,122	\$20,328,517	\$25,050,786	\$45,650,261	\$107,453,106

Cause of Ignition		2005	2006	2007	2008	2009	5-Year Total
Cause under investigation	# of Incidents	167	162	178	197	243	947
	Dollar Loss	\$2,479,550	\$3,694,101	\$7,890,510	\$4,909,030	\$23,801,278	\$42,774,469
Unintentional	# of Incidents	468	542	505	594	683	2,792
	Dollar Loss	\$2,811,500	\$3,680,228	\$4,460,813	\$15,393,875	\$7,560,886	\$33,907,302
Failure of equipment or heat source	# of Incidents	151	216	187	214	227	995
	Dollar Loss	\$743,100	\$517,920	\$401,676	\$1,479,492	\$10,125,727	\$13,267,915
Cause undetermined after investigation	# of Incidents	149	203	302	337	391	1,382
	Dollar Loss	\$515,050	\$618,250	\$1,326,933	\$2,164,333	\$3,050,024	\$7,674,590
Intentional	# of Incidents	142	176	160	228	261	967
	Dollar Loss	\$186,410	\$657,321	\$2,357,560	\$1,067,835	\$745,096	\$5,014,222
Cause, other (conversion and exposure 1 only)	# of Incidents	68	94	105	113	72	452
	Dollar Loss	\$25,010	\$317,902	\$3,737,025	\$34,701	\$364,250	\$4,478,888
Act of nature	# of Incidents	11	19	7	21	21	79
	Dollar Loss	\$1,800	\$175,400	\$154,000	\$1,520	\$3,000	\$335,720
Total # of Incidents		1,156	1,412	1,444	1,704	1,898	7,614
Total Dollar Loss		\$6,762,420	\$9,661,122	\$20,328,517	\$25,050,786	\$45,650,261	\$107,453,106

Region 5 Incident Reporting Summary

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Clark County		35,784	7	2,321	38,112	\$15,267,588
06D01	East County Fire & Rescue	609	0	46	655	\$66,000
06D03	Clark #3, Brush Prairie	1,038	0	144	1,182	\$845,765
06D06	Clark #6, Hazel Dell	5,187	0	104	5,291	\$2,106,863
06D10	Clark #10, Amboy	548	0	14	562	\$0
06D13	Clark #13, Yacolt	13	0	0	13	\$2,000,510
06D15	Clark County Fire & Rescue	3,526	0	160	3,686	\$977,685
06M02	Camas Fire Department	1,344	0	1,651	2,995	\$77,650
06M05	Vancouver Fire Department	22,188	7	97	22,292	\$8,728,125
06M06	Washougal Fire Department	1,331	0	105	1,436	\$464,990
Cowlitz County		11,703	1	722	12,426	\$12,812,843
08D01	Cowlitz #1, Woodland	307	0	47	354	\$3,000
08D02	Cowlitz #2, Kelso	3,752	0	230	3,982	\$2,056,140
08D03	Cowlitz #3, Toutle	296	0	7	303	\$0
08D04	Cowlitz #4, Ryderwood	48	0	0	48	\$0
08D05	Cowlitz #5, Kalama	624	0	175	799	\$9,577,190
08D06	Cowlitz #6, Castle Rock	750	0	49	799	\$0
08D07	Cowlitz/Skamania #7, Ariel	24	0	3	27	\$10,000
08M04	Longview Fire Department	5,010	1	88	5,099	\$961,213
08M05	Woodland Fire Department	892	0	123	1,015	\$205,300
Lewis County		6,507	4	2,882	9,393	\$18,254,540
21D01	Lewis #1, Onalaska	12	0	0	12	\$0
21D02	Lewis #2, Toledo	203	0	1,987	2,190	\$5,170
21D03	Lewis #3, Mossyrock	252	0	7	259	\$58,000
21D04	Lewis #4, Morton	98	0	245	343	\$0
21D05	Lewis #5, Napavine	598	0	25	623	\$215,100
21D06	Lewis #6, Chehalis	440	0	291	731	\$15,949,450
21D07	Lewis #7, Vadar	191	0	56	247	\$280,000
21D08	Lewis #8, Salkum/Silver Creek	32	0	4	36	\$3,000
21D09	Lewis #9, Mineral	16	0	68	84	\$0
21D10	Lewis #10, Packwood	10	1	0	11	\$0
21D11	Lewis #11, Pe Ell	5	0	0	5	\$5,700
21D13	Lewis #13, Curtis	0	0	0	0	\$0
21D14	Lewis #14, Randle	216	0	5	221	\$15,550
21D15	Lewis #15, Winlock	529	0	97	626	\$262,000
21D16	Lewis #16, Doty/Dryad/Meskill	0	0	0	0	\$0
21D18	Lewis #18, Glenoma	67	0	9	76	\$221,200
21M01	Riverside Fire Authority	3,374	3	38	3,415	\$906,870
21M02	Chehalis Fire Department	224	0	50	274	\$327,500
21M03	Morton Fire Department	240	0	0	240	\$5,000
Skamania County		223	0	142	365	\$23,700
30D01	Skamania #1, Carson	127	0	82	209	\$23,700
30D03	Skamania #3, Underwood	32	0	1	33	\$0
30D04	Skamania #4, Washougal	0	0	0	0	\$0
30D05	Skamania #5, Skamania	11	0	19	30	\$0
30D06	Skamania #6, Cougar*	0	0	0	0	\$0
30M01	North Bonneville Fire Department	24	0	12	36	\$0
30M02	Stevenson/Skamania #2	29	0	27	56	\$0
30S01	Mill-A Volunteers Fire Department	0	0	1	1	\$0
Wahkiakum County		9	0	2	11	\$56,000
35D01	Wahkiakum #1, Cathlamet	0	0	0	0	\$0
35D02	Wahkiakum #2, Skamokawa	0	0	0	0	\$0
35D03	Wahkiakum #3, Grays River	2	0	0	2	\$56,000
35D04	Wahkiakum #4, Cathlamet	7	0	2	9	\$0
35M01	Cathlamet Fire Department	0	0	0	0	\$0
Region 5 Totals		54,226	12	6,069	60,307	\$46,414,671

*Fire agency submitted one or more no activity report or a statement of no fire activity in 2009.

Region 6

Chelan, Douglas, Grant, and Okanogan counties make up Region 6. In 2009, 72% of the fire service agencies in this region reported NFIRS data to the Office of the State Fire Marshal. Below is a table summarizing the incidents that have been reported over the past five years.



Five Year Incident Type Summary (Five-year total sorted by dollar loss)

Incident Type Category		2005	2006	2007	2008	2009	5-Year Total
Fires	<i># of Incidents</i>	1,149	1,247	1,383	1,284	1,249	6,312
	<i>Dollar Loss</i>	\$3,420,501	\$18,453,782	\$7,575,642	\$5,994,559	\$20,208,916	\$55,653,400
Rescue & Emergency Medical Service	<i># of Incidents</i>	3,476	5,024	5,832	5,657	6,905	26,894
	<i>Dollar Loss</i>	\$149,500	\$36,000	\$21,000	\$15,000	\$75,500	\$297,000
Service Calls	<i># of Incidents</i>	234	325	364	391	353	1,667
	<i>Dollar Loss</i>	\$0	\$87,700	\$5,700	\$128,800	\$20,500	\$242,700
False Alarms & False Calls	<i># of Incidents</i>	618	638	672	758	724	3,410
	<i>Dollar Loss</i>	\$1,000	\$6,000	\$5,000	\$166,300	\$5,000	\$183,300
Hazardous Conditions (No Fire)	<i># of Incidents</i>	237	298	383	281	295	1,494
	<i>Dollar Loss</i>	\$1,500	\$10,565	\$52,310	\$600	\$320	\$65,295
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	44	41	48	42	44	219
	<i>Dollar Loss</i>	\$200	\$1,000	\$5,110	\$4,500	\$100	\$10,910
Good Intent Calls	<i># of Incidents</i>	878	1,133	1,242	1,224	1,241	5,718
	<i>Dollar Loss</i>	\$100	\$0	\$0	\$0	\$0	\$100
Severe Weather & Natural Disaster	<i># of Incidents</i>	3	19	164	6	13	205
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Undetermined Incident Type	<i># of Incidents</i>	1	0	0	0	0	1
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Other Types of Incidents	<i># of Incidents</i>	29	33	19	33	34	148
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		6,669	8,758	10,107	9,676	10,858	46,068
Total Dollar Loss		\$3,572,801	\$18,595,047	\$7,664,762	\$6,309,759	\$20,310,336	\$56,452,705

Region 6 Fire Incidents

Over the past five years, 6,312 fire incidents have been reported by fire service agencies in Region 6 resulting in more than \$55 million in property and content loss. Structure fires, including confined fires, accounted for nearly 23% of the five-year total and 86% of the dollar loss to property and contents.

2005 – 2009 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category		2005	2006	2007	2008	2009	5-Year Total
Structure Fires (including confined fires)	# of Incidents	263	297	284	287	296	1,427
	Dollar Loss	\$2,832,401	\$17,914,846	\$4,664,915	\$4,877,250	\$17,756,262	\$48,045,674
Vehicle Fires (Mobile Properties)	# of Incidents	160	192	192	192	186	922
	Dollar Loss	\$186,300	\$321,331	\$925,517	\$679,934	\$618,679	\$2,731,761
Fixed Mobile Property Fires	# of Incidents	13	15	17	21	31	97
	Dollar Loss	\$101,600	\$76,500	\$918,200	\$212,000	\$357,000	\$1,665,300
Natural Vegetation Fires	# of Incidents	381	432	498	443	437	2,191
	Dollar Loss	\$8,900	\$9,515	\$30,750	\$131,375	\$1,091,025	\$1,271,565
Cultivated Vegetation Fires	# of Incidents	21	19	32	31	39	142
	Dollar Loss	\$2,200	\$32,800	\$692,500	\$52,000	\$355,000	\$1,134,500
Outside Storage & Equipment Fires	# of Incidents	54	49	57	67	48	275
	Dollar Loss	\$22,000	\$66,520	\$224,860	\$34,950	\$5,200	\$353,530
Fire, other	# of Incidents	128	86	147	47	60	468
	Dollar Loss	\$248,900	\$18,570	\$53,350	\$3,300	\$11,950	\$336,070
Outside Rubbish Fires	# of Incidents	129	157	156	196	152	790
	Dollar Loss	\$18,200	\$13,700	\$65,550	\$3,750	\$13,800	\$115,000
Total # of Incidents		1,149	1,247	1,383	1,284	1,249	6,312
Total Dollar Loss		\$3,420,501	\$18,453,782	\$7,575,642	\$5,994,559	\$20,208,916	\$55,653,400

2005 – 2009 Structure Fires by Type (Five-year total sorted by dollar loss)

Structure Fires (including confined fires)		2005	2006	2007	2008	2009	5-Year Total
Building fires	# of Incidents	150	184	171	175	179	859
	Dollar Loss	\$2,817,551	\$17,848,471	\$4,635,815	\$4,863,750	\$17,701,762	\$47,867,349
Fires in structures other than in a building	# of Incidents	7	13	7	12	13	52
	Dollar Loss	\$13,500	\$62,600	\$5,000	\$0	\$26,100	\$107,200
Cooking fire, confined to container	# of Incidents	35	38	38	27	28	166
	Dollar Loss	\$1,100	\$2,325	\$24,000	\$5,500	\$3,200	\$36,125
Chimney or flue fire, confined to chimney or flue	# of Incidents	50	42	47	44	57	240
	Dollar Loss	\$100	\$1,050	\$100	\$6,500	\$24,000	\$31,750
Trash or rubbish fire, contained	# of Incidents	19	17	19	24	11	90
	Dollar Loss	\$150	\$100	\$0	\$500	\$1,200	\$1,950
Fuel burner/boiler malfunction, fire confined	# of Incidents	1	1	0	4	6	12
	Dollar Loss	\$0	\$0	\$0	\$1,000	\$0	\$1,000
Commercial Compactor fire, confined to rubbish	# of Incidents	0	2	0	0	1	3
	Dollar Loss	\$0	\$300	\$0	\$0	\$0	\$300
Incinerator overload or malfunction, fire confined	# of Incidents	1	0	1	1	1	4
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Structure fire, other	# of Incidents	0	0	1	0	0	1
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		263	297	284	287	296	1,427
Total Dollar Loss		\$2,832,401	\$17,914,846	\$4,664,915	\$4,877,250	\$17,756,262	\$48,045,674

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

Property Use by Category		2005	2006	2007	2008	2009	5-Year Total
Manufacturing, processing	# of Incidents	26	19	12	12	8	77
	Dollar Loss	\$200	\$10,914,000	\$132,000	\$60,000	\$8,500,500	\$19,606,700
Residential	# of Incidents	308	332	353	310	363	1,666
	Dollar Loss	\$1,998,851	\$2,517,490	\$4,864,865	\$2,488,075	\$7,560,760	\$19,430,041
Storage	# of Incidents	51	72	38	39	38	238
	Dollar Loss	\$1,038,900	\$3,833,427	\$241,600	\$701,175	\$1,522,850	\$7,337,952
Industrial, Utility, Defense, Agriculture, & Mining	# of Incidents	49	59	104	88	77	377
	Dollar Loss	\$72,500	\$69,520	\$973,800	\$522,234	\$1,486,950	\$3,125,004
Mercantile and Business	# of Incidents	30	24	36	36	26	152
	Dollar Loss	\$187,100	\$821,300	\$145,650	\$1,755,300	\$50,000	\$2,959,350
Outside or Special Properties	# of Incidents	610	658	687	682	604	3,241
	Dollar Loss	\$102,850	\$271,165	\$569,527	\$412,075	\$513,150	\$1,868,767
Assembly	# of Incidents	19	24	21	15	17	96
	Dollar Loss	\$13,100	\$19,800	\$461,000	\$1,000	\$50,200	\$545,100
Educational Uses	# of Incidents	7	5	7	6	8	33
	Dollar Loss	\$6,000	\$1,550	\$0	\$0	\$500,500	\$508,050
Other Property Uses	# of Incidents	12	34	91	47	25	209
	Dollar Loss	\$0	\$330	\$128,200	\$42,000	\$6,000	\$176,530
Undetermined	# of Incidents	13	6	14	5	27	65
	Dollar Loss	\$1,000	\$0	\$50,000	\$3,700	\$0	\$54,700
None	# of Incidents	11	6	12	36	51	116
	Dollar Loss	\$0	\$5,000	\$4,000	\$1,500	\$18,006	\$28,506
Health Care, Detention, and Corrections	# of Incidents	4	4	5	5	5	23
	Dollar Loss	\$0	\$200	\$5,000	\$7,500	\$0	\$12,700
Total # of Incidents		1,140	1,243	1,380	1,281	1,249	6,293
Total Dollar Loss		\$3,420,501	\$18,453,782	\$7,575,642	\$5,994,559	\$20,208,916	\$55,653,400

Area of Origin by Category		2005	2006	2007	2008	2009	5-Year Total
Storage Areas	# of Incidents	30	25	28	30	35	148
	Dollar Loss	\$707,000	\$11,066,300	\$270,300	\$945,000	\$12,179,100	\$25,167,700
Functional Areas	# of Incidents	48	65	64	72	65	314
	Dollar Loss	\$604,100	\$974,320	\$1,621,915	\$1,828,600	\$828,312	\$5,857,247
Undetermined	# of Incidents	87	140	104	101	127	559
	Dollar Loss	\$1,101,001	\$31,751	\$1,554,450	\$881,600	\$1,963,002	\$5,531,804
Structural Areas	# of Incidents	39	42	46	57	66	250
	Dollar Loss	\$295,250	\$2,010,101	\$856,400	\$692,450	\$934,600	\$4,788,801
Service or Equipment Areas	# of Incidents	12	19	18	26	18	93
	Dollar Loss	\$3,100	\$3,311,500	\$308,180	\$195,600	\$68,000	\$3,886,380
Outside Areas	# of Incidents	168	207	296	309	344	1,324
	Dollar Loss	\$45,900	\$423,350	\$771,610	\$531,650	\$1,120,125	\$2,892,635
Vehicle Areas	# of Incidents	132	139	155	145	148	719
	Dollar Loss	\$104,800	\$255,580	\$944,787	\$586,834	\$452,877	\$2,344,878
Areas for Groups of People (Assembly)	# of Incidents	8	5	9	8	11	41
	Dollar Loss	\$141,000	\$81,000	\$500,200	\$64,700	\$646,000	\$1,432,900
Exit/Exit Access/Exit Discharge Areas	# of Incidents	7	7	9	7	8	38
	Dollar Loss	\$140,800	\$245,500	\$396,500	\$84,500	\$539,000	\$1,406,300
Other Areas of Origin	# of Incidents	11	12	19	20	31	93
	Dollar Loss	\$500	\$12,100	\$1,500	\$48,000	\$16,000	\$78,100
Technical Processing Areas	# of Incidents			2	2	1	5
	Dollar Loss			\$0	\$5,000	\$0	\$5,000
Total # of Incidents		542	661	750	777	854	3,584
Total Dollar Loss		\$3,143,451	\$18,411,502	\$7,225,842	\$5,863,934	\$18,747,016	\$53,391,745

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

Heat Source Categories		2005	2006	2007	2008	2009	5-Year Total
Undetermined	# of Incidents	232	278	330	324	358	1,522
	Dollar Loss	\$2,196,601	\$14,217,881	\$4,625,045	\$2,959,200	\$15,114,885	\$39,113,612
Operating Equipment	# of Incidents	121	161	156	169	168	775
	Dollar Loss	\$796,400	\$2,956,126	\$1,644,120	\$1,238,100	\$1,296,350	\$7,931,096
Heat Spread from Another Fire	# of Incidents	0	7	27	44	42	120
	Dollar Loss	\$500	\$838,000	\$112,500	\$6,500	\$781,500	\$1,739,000
Hot or Smoldering Object	# of Incidents	67	68	84	85	69	373
	Dollar Loss	\$51,300	\$153,060	\$554,677	\$401,634	\$526,475	\$1,687,146
Open Flame or Smoking Material	# of Incidents	54	56	79	67	75	331
	Dollar Loss	\$78,600	\$184,335	\$141,900	\$479,700	\$329,600	\$1,214,135
Heat Source Other	# of Incidents	24	45	43	46	75	233
	Dollar Loss	\$1,000	\$53,500	\$60,500	\$320,000	\$668,702	\$1,103,702
Chemical or Natural	# of Incidents	22	32	15	18	34	121
	Dollar Loss	\$0	\$8,600	\$55,000	\$450,500	\$0	\$514,100
Multiple Heat Sources	# of Incidents	2	1	2	4	10	19
	Dollar Loss	\$15,000	\$0	\$0	\$0	\$29,504	\$44,504
Explosives and Fireworks	# of Incidents	20	13	14	20	23	90
	Dollar Loss	\$4,050	\$0	\$32,100	\$8,300	\$0	\$44,450
Total # of Incidents		542	661	750	777	854	3,584
Total Dollar Loss		\$3,143,451	\$18,411,502	\$7,225,842	\$5,863,934	\$18,747,016	\$53,391,745

Cause of Ignition		2005	2006	2007	2008	2009	5-Year Total
Cause under investigation	# of Incidents	67	76	89	86	99	417
	Dollar Loss	\$1,064,751	\$4,633,726	\$1,795,995	\$711,025	\$12,997,352	\$21,202,849
Cause, other (conversion and exposure 1 only)	# of Incidents	37	63	59	33	28	220
	Dollar Loss	\$500	\$10,853,300	\$147,000	\$500	\$95,500	\$11,096,800
Unintentional	# of Incidents	194	213	273	305	308	1,293
	Dollar Loss	\$862,550	\$964,270	\$3,121,632	\$2,311,434	\$1,995,879	\$9,255,765
Cause undetermined after investigation	# of Incidents	96	87	125	122	176	606
	Dollar Loss	\$915,700	\$1,116,381	\$1,108,950	\$1,789,050	\$3,160,000	\$8,090,081
Failure of equipment or heat source	# of Incidents	90	113	98	130	105	536
	Dollar Loss	\$251,950	\$703,050	\$471,615	\$798,050	\$289,575	\$2,514,240
Intentional	# of Incidents	36	68	83	71	74	332
	Dollar Loss	\$48,000	\$75,075	\$580,650	\$252,875	\$128,710	\$1,085,310
Act of nature	# of Incidents	22	41	23	30	63	179
	Dollar Loss	\$0	\$65,700	\$0	\$1,000	\$80,000	\$146,700
Total # of Incidents		542	661	750	777	853	3,583
Total Dollar Loss		\$3,143,451	\$18,411,502	\$7,225,842	\$5,863,934	\$18,747,016	\$53,391,745

Region 6 Incident Reporting Summary

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Chelan County		3,966	2	616	4,584	\$5,940,700
04D01	Chelan #1, Sunnyslope	354	2	179	535	\$50,000
04D03	Chelan #3, Leavenworth	446	0	105	551	\$81,300
04D04	Chelan #4, Ponderosa	24	0	12	36	\$0
04D05	Chelan #5, Manson	55	0	39	94	\$540,000
04D06	Chelan #6, Monitor/Dryden	233	0	26	259	\$231,300
04D07	Chelan #7, Chelan/Chelan Falls	111	0	39	150	\$0
04D08	Chelan #8, Entiat	0	0	0	0	\$0
04D09	Chelan #9, Lake Wenatchee/Plain	90	0	29	119	\$0
04D10	Chelan #10, Stehekin	0	0	0	0	\$0
04M01	Cashmere Fire Department	64	0	26	90	\$350,000
04M05	Wenatchee Fire Department	2,589	0	161	2,750	\$4,688,100
Douglas County		1,349	4	185	1,538	\$470,350
09D01	Douglas #1, Waterville	49	0	3	52	\$200
09D02	Douglas #2	1,169	4	150	1,323	\$438,700
09D03	Douglas #3, Grand Coulee	18	0	12	30	\$3,500
09D04	Douglas #4, Orondo	72	0	11	83	\$20,200
09D05	Douglas #5, Mansfield	28	0	7	35	\$0
09M01	Bridgeport Fire Department	13	0	2	15	\$7,750
Grant County		4,755	2	238	4,995	\$11,532,130
13D03	Grant #3, Quincy	384	0	32	416	\$0
13D04	Grant #4, Warden	68	0	6	74	\$0
13D05	Grant #5, Moses Lake	2,711	1	8	2,720	\$402,270
13D06	Grant #6, Hartline	0	0	0	0	\$0
13D07	Grant #7, Soap Lake	203	0	14	217	\$17,075
13D08	Grant #8, Mattawa	369	0	48	417	\$1,137,500
13D10	Grant #10, Royal Slope	77	0	10	87	\$53,500
13D11	Grant #11, East Royal Slope	40	0	0	40	\$0
13D12	Grant #12, Wilson Creek	13	0	4	17	\$0
13D13	Grant #13, Ephrata	75	0	35	110	\$230,000
13D14	Grant #14, Electric City	0	0	0	0	\$0
13M01	Coulee City/Douglas #8	12	0	14	26	\$0
13M03	Electric City Fire Department	9	0	7	16	\$0
13M04	Ephrata Fire Department	232	0	23	255	\$32,000
13M05	Grand Coulee Fire Department	0	0	0	0	\$0
13M06	Hartline Fire Department	0	0	0	0	\$0
13M07	Krupp/Marlin Fire Department	0	0	0	0	\$0
13M08	Moses Lake Fire Department	417	1	3	421	\$9,586,085
13M09	Quincy Fire Department	115	0	0	115	\$0
13M10	Soap Lake Fire Department	30	0	34	64	\$73,700

Region 6 Incident Reporting Summary (Continued)

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Okanogan		786	1	352	1,139	\$2,367,156
24D02	Okanogan #2, Elmer City	10	1	8	19	\$2,500
24D03	Okanogan #3, Malott	98	0	82	180	\$1,400,600
24D04	Okanogan #4, Tonasket	106	0	16	122	\$6
24D06	Okanogan#6/City of Winthrop	125	0	96	221	\$391,900
24D07	Okanogan #7, Riverside	0	0	0	0	\$0
24D08	Okanogan #8, Okanogan	0	0	0	0	\$0
24D09	Okanogan #9, Rural Conconully	10	0	4	14	\$0
24D10	Okanogan #10, Loomis	0	0	0	0	\$0
24D11	Okanogan #11, Molson/Chesaw	0	0	0	0	\$0
24D12	Okanogan #12, Tonasket	0	0	0	0	\$0
24D15	Douglas/Okanogan #15	103	0	36	139	\$0
24D16	Okanogan #16	11	0	8	19	\$3,850
24M00	Brewster Fire Department	0	0	0	0	\$0
24M01	Coulee Dam Fire Department	0	0	0	0	\$0
24M03	Nespelem Fire Department	64	0	2	66	\$0
24M04	Okanogan Fire Department	45	0	34	79	\$21,600
24M05	Omak Fire Department	131	0	4	135	\$47,700
24M06	Oroville/Okanogan #1	61	0	4	65	\$499,000
24M07	Pateros Fire Department	0	0	0	0	\$0
24M09	Twisp Fire Department	22	0	58	80	\$0
24M11	Conconully Fire Department	0	0	0	0	\$0
Region 6 Totals		10,856	9	1,391	12,256	\$20,310,336

Region 7

Kittitas, Klickitat, and Yakima counties make up Region 7. In 2009, 86% of the fire service agencies in this region reported NFIRS data to the Office of the State Fire Marshal. Below is a table summarizing the incidents that have been reported over the past five years.



Five Year Incident Type Summary (Five-year total sorted by dollar loss)

Structure Fires (including confined fires)		2005	2006	2007	2008	2009	5-Year Total
Fires	<i># of Incidents</i>	1,920	1,946	2,038	1,855	1,938	9,697
	<i>Dollar Loss</i>	\$17,089,890	\$22,158,606	\$24,806,928	\$18,430,067	\$20,922,033	\$103,407,524
Rescue & Emergency Medical Service	<i># of Incidents</i>	14,831	15,843	15,642	17,086	17,514	80,916
	<i>Dollar Loss</i>	\$219,600	\$109,700	\$116,800	\$149,800	\$860,800	\$1,456,700
Service Calls	<i># of Incidents</i>	1,019	996	936	1,117	1,061	5,129
	<i>Dollar Loss</i>	\$615,000	\$164,400	\$12,750	\$308,630	\$82,063	\$1,182,843
False Alarms & False Calls	<i># of Incidents</i>	1,293	1,239	1,157	1,334	1,345	6,368
	<i>Dollar Loss</i>	\$6,200	\$0	\$33,500	\$353,000	\$87,850	\$480,550
Hazardous Conditions (No Fire)	<i># of Incidents</i>	540	527	465	467	477	2,476
	<i>Dollar Loss</i>	\$80,405	\$6,170	\$59,615	\$116,570	\$180,420	\$443,180
Severe Weather & Natural Disaster	<i># of Incidents</i>	4	12	19	10	13	58
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$27,900	\$0	\$27,900
Good Intent Calls	<i># of Incidents</i>	2,124	2,085	1,700	2,393	2,440	10,742
	<i>Dollar Loss</i>	\$350	\$0	\$6,200	\$7,005	\$1,925	\$15,480
Other Types of Incidents	<i># of Incidents</i>	83	56	55	52	69	315
	<i>Dollar Loss</i>	\$2,000	\$800	\$2,500	\$5,100	\$2,000	\$12,400
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	38	29	15	31	28	141
	<i>Dollar Loss</i>	\$990	\$500	\$0	\$3,500	\$4,020	\$9,010
Total # of Incidents		21,852	22,733	22,027	24,345	24,885	115,842
Total Dollar Loss		\$18,014,435	\$22,440,176	\$25,038,293	\$19,401,572	\$22,141,111	\$107,035,587

Region 7 Fire Incidents

Over the past five years, 9,697 fire incidents have been reported by fire service agencies in Region 7 resulting in more than \$103 million in property and content loss. Structure fires, including confined fires, accounted for 28% of the five-year total and nearly 83% of the dollar loss to property and contents.

2005 – 2009 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category		2005	2006	2007	2008	2009	5-Year Total
Structure Fires (including confined fires)	# of Incidents	577	537	551	541	521	2,727
	Dollar Loss	\$14,283,466	\$19,261,859	\$21,000,173	\$14,543,290	\$16,352,815	\$85,441,603
Vehicle Fires (Mobile Properties)	# of Incidents	404	372	350	362	359	1,847
	Dollar Loss	\$1,510,773	\$1,647,088	\$1,503,755	\$2,633,300	\$1,764,690	\$9,059,606
Outside Storage & Equipment Fires	# of Incidents	57	62	74	70	76	339
	Dollar Loss	\$699,381	\$791,399	\$1,436,470	\$64,350	\$1,272,090	\$4,263,690
Natural Vegetation Fires	# of Incidents	558	634	699	585	700	3,176
	Dollar Loss	\$148,830	\$82,335	\$441,100	\$326,800	\$488,835	\$1,487,900
Cultivated Vegetation Fires	# of Incidents	17	25	24	32	21	119
	Dollar Loss	\$60,630	\$91,100	\$95,800	\$571,915	\$577,800	\$1,397,245
Fixed Mobile Property Fires	# of Incidents	20	21	25	11	17	94
	Dollar Loss	\$195,200	\$244,700	\$96,000	\$62,902	\$350,400	\$949,202
Fire, other	# of Incidents	97	111	159	104	95	566
	Dollar Loss	\$161,470	\$28,660	\$213,650	\$135,460	\$95,570	\$634,810
Outside Rubbish Fires	# of Incidents	190	184	156	150	149	829
	Dollar Loss	\$30,140	\$11,465	\$19,980	\$92,050	\$19,833	\$173,468
Total # of Incidents		1,920	1,946	2,038	1,855	1,938	9,697
Total Dollar Loss		\$17,089,890	\$22,158,606	\$24,806,928	\$18,430,067	\$20,922,033	\$103,407,524

2005 – 2009 Structure Fires by Type (Five-year total sorted by dollar loss)

Structure Fires (including confined fires)		2005	2006	2007	2008	2009	5-Year Total
Building fires	# of Incidents	323	357	364	370	360	1,774
	Dollar Loss	\$14,174,345	\$19,185,664	\$20,617,610	\$14,486,380	\$16,308,050	\$84,772,049
Fires in structures other than in a building	# of Incidents	20	26	27	15	6	94
	Dollar Loss	\$50,780	\$56,110	\$292,201	\$30,500	\$3,805	\$433,396
Cooking fire, confined to container	# of Incidents	92	77	63	52	69	353
	Dollar Loss	\$27,230	\$12,710	\$27,417	\$8,610	\$13,555	\$89,522
Fuel burner/boiler malfunction, fire confined	# of Incidents	16	5	4	2	2	29
	Dollar Loss	\$15,730	\$50	\$51,000	\$2,500	\$1,500	\$70,780
Chimney or flue fire, confined to chimney or flue	# of Incidents	67	46	62	81	58	314
	Dollar Loss	\$11,125	\$5,200	\$5,300	\$12,900	\$10,500	\$45,025
Trash or rubbish fire, contained	# of Incidents	53	23	28	20	22	146
	Dollar Loss	\$1,356	\$1,825	\$6,645	\$2,400	\$11,905	\$24,131
Commercial Compactor fire, confined to rubbish	# of Incidents	0	0	1	1	4	6
	Dollar Loss	\$0	\$0	\$0	\$0	\$3,500	\$3,500
Structure fire, other	# of Incidents	2	0	0	0	0	2
	Dollar Loss	\$2,700	\$0	\$0	\$0	\$0	\$2,700
Incinerator overload or malfunction, fire confined	# of Incidents	4	3	2	0	0	9
	Dollar Loss	\$200	\$300	\$0	\$0	\$0	\$500
Total # of Incidents		577	537	551	541	521	2,727
Total Dollar Loss		\$14,283,466	\$19,261,859	\$21,000,173	\$14,543,290	\$16,352,815	\$85,441,603

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

Property Use by Category		2005	2006	2007	2008	2009	5-Year Total
Residential	<i># of Incidents</i>	618	634	637	652	627	3,168
	<i>Dollar Loss</i>	\$7,951,440	\$8,641,599	\$11,346,635	\$9,222,307	\$9,089,155	\$46,251,136
Storage	<i># of Incidents</i>	89	73	98	74	81	415
	<i>Dollar Loss</i>	\$1,533,495	\$7,915,450	\$9,574,200	\$1,779,250	\$5,270,200	\$26,072,595
Manufacturing, processing	<i># of Incidents</i>	22	27	38	28	27	142
	<i>Dollar Loss</i>	\$4,256,350	\$714,650	\$435,700	\$2,504,655	\$3,016,700	\$10,928,055
Outside or Special Properties	<i># of Incidents</i>	973	1,022	1,024	871	963	4,853
	<i>Dollar Loss</i>	\$1,544,599	\$1,548,132	\$1,623,185	\$2,663,820	\$2,074,383	\$9,454,119
Mercantile and Business	<i># of Incidents</i>	47	36	53	36	32	204
	<i>Dollar Loss</i>	\$1,465,250	\$491,200	\$1,179,600	\$1,292,835	\$743,920	\$5,172,805
Educational Uses	<i># of Incidents</i>	21	16	17	9	7	70
	<i>Dollar Loss</i>	\$3,465	\$2,311,275	\$2,588	\$212,500	\$50,300	\$2,580,128
Industrial, Utility, Defense, Agriculture, & Mining	<i># of Incidents</i>	79	58	50	48	74	309
	<i>Dollar Loss</i>	\$270,650	\$131,850	\$83,720	\$138,915	\$439,725	\$1,064,860
None	<i># of Incidents</i>	15	18	60	73	60	226
	<i>Dollar Loss</i>	\$35,200	\$5,500	\$97,200	\$542,000	\$130,100	\$810,000
Assembly	<i># of Incidents</i>	25	29	28	27	21	130
	<i>Dollar Loss</i>	\$8,341	\$20,950	\$290,100	\$68,985	\$35,200	\$423,576
Health Care, Detention, and Corrections	<i># of Incidents</i>	3	7	5	7	8	30
	<i>Dollar Loss</i>	\$1,000	\$225,000	\$162,000	\$3,000	\$1,950	\$392,950
Other Property Uses	<i># of Incidents</i>	22	14	12	19	20	87
	<i>Dollar Loss</i>	\$19,950	\$48,000	\$2,000	\$1,800	\$70,400	\$142,150
Undetermined	<i># of Incidents</i>	6	8	16	11	15	56
	<i>Dollar Loss</i>	\$150	\$105,000	\$10,000	\$0	\$0	\$115,150
Total # of Incidents		1,920	1,942	2,038	1,855	1,935	9,690
Total Dollar Loss		\$17,089,890	\$22,158,606	\$24,806,928	\$18,430,067	\$20,922,033	\$103,407,524

Area of Origin by Category		2005	2006	2007	2008	2009	5-Year Total
Undetermined	<i># of Incidents</i>	183	179	173	194	186	915
	<i>Dollar Loss</i>	\$1,917,623	\$11,441,550	\$4,305,800	\$4,574,077	\$3,124,450	\$25,363,500
Storage Areas	<i># of Incidents</i>	59	55	58	57	67	296
	<i>Dollar Loss</i>	\$1,951,656	\$1,346,000	\$6,809,050	\$2,044,270	\$4,253,250	\$16,404,226
Structural Areas	<i># of Incidents</i>	99	105	102	123	90	519
	<i>Dollar Loss</i>	\$4,248,380	\$2,061,850	\$2,129,860	\$3,221,250	\$3,319,955	\$14,981,295
Functional Areas	<i># of Incidents</i>	157	181	159	168	177	842
	<i>Dollar Loss</i>	\$2,225,390	\$3,014,124	\$2,981,117	\$2,328,020	\$2,188,680	\$12,737,331
Outside Areas	<i># of Incidents</i>	415	404	500	532	541	2,392
	<i>Dollar Loss</i>	\$1,880,970	\$1,297,349	\$1,970,496	\$2,193,505	\$3,397,048	\$10,739,368
Vehicle Areas	<i># of Incidents</i>	321	281	291	286	284	1,463
	<i>Dollar Loss</i>	\$2,949,100	\$1,021,088	\$1,261,255	\$1,454,610	\$1,728,140	\$8,414,193
Service or Equipment Areas	<i># of Incidents</i>	46	43	25	46	55	215
	<i>Dollar Loss</i>	\$775,500	\$536,050	\$2,041,950	\$1,627,200	\$1,272,350	\$6,253,050
Areas for Groups of People (Assembly)	<i># of Incidents</i>	32	21	46	18	18	135
	<i>Dollar Loss</i>	\$646,580	\$425,450	\$2,104,100	\$611,050	\$241,755	\$4,028,935
Other Areas of Origin	<i># of Incidents</i>	46	54	52	102	79	333
	<i>Dollar Loss</i>	\$145,396	\$543,300	\$132,720	\$178,555	\$498,820	\$1,498,791
Exit/Exit Access/Exit Discharge Areas	<i># of Incidents</i>	7	15	16	8	20	66
	<i>Dollar Loss</i>	\$97,500	\$111,500	\$376,600	\$107,500	\$376,650	\$1,069,750
Technical Processing Areas	<i># of Incidents</i>		2	3	1	2	8
	<i>Dollar Loss</i>		\$205,000	\$163,000	\$0	\$3,500	\$371,500
Total # of Incidents		1,365	1,340	1,425	1,535	1,519	7,184
Total Dollar Loss		\$16,838,095	\$22,003,261	\$24,275,948	\$18,340,037	\$20,404,598	\$101,861,939

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

Heat Source Categories		2005	2006	2007	2008	2009	5-Year Total
Undetermined	# of Incidents	612	568	609	615	622	3,026
	Dollar Loss	\$8,042,454	\$14,890,843	\$13,418,896	\$9,419,057	\$11,205,940	\$56,977,190
Operating Equipment	# of Incidents	348	328	311	368	381	1,736
	Dollar Loss	\$4,922,990	\$3,115,540	\$4,944,792	\$4,250,415	\$5,228,920	\$22,462,657
Open Flame or Smoking Material	# of Incidents	181	154	193	178	180	886
	Dollar Loss	\$2,280,881	\$1,150,239	\$1,043,425	\$1,468,860	\$1,142,715	\$7,086,120
Hot or Smoldering Object	# of Incidents	107	124	131	155	148	665
	Dollar Loss	\$423,670	\$494,350	\$2,947,280	\$910,700	\$858,328	\$5,634,328
Heat Source Other	# of Incidents	72	69	62	82	51	336
	Dollar Loss	\$328,555	\$876,179	\$753,305	\$784,500	\$267,300	\$3,009,839
Chemical or Natural	# of Incidents	11	22	19	47	31	130
	Dollar Loss	\$33,900	\$810,060	\$838,800	\$242,055	\$711,450	\$2,636,265
Explosives and Fireworks	# of Incidents	29	43	65	34	53	224
	Dollar Loss	\$612,345	\$255,000	\$123,350	\$10,550	\$807,750	\$1,808,995
Heat Spread from Another Fire	# of Incidents	0	27	28	47	48	150
	Dollar Loss	\$107,800	\$361,050	\$195,000	\$799,200	\$176,195	\$1,639,245
Multiple Heat Sources	# of Incidents	5	5	7	9	5	31
	Dollar Loss	\$85,500	\$50,000	\$11,100	\$454,700	\$6,000	\$607,300
Total # of Incidents		1,365	1,340	1,425	1,535	1,519	7,184
Total Dollar Loss		\$16,838,095	\$22,003,261	\$24,275,948	\$18,340,037	\$20,404,598	\$101,861,939

Cause of Ignition		2005	2006	2007	2008	2009	5-Year Total
Cause under investigation	# of Incidents	128	127	143	130	137	665
	Dollar Loss	\$6,365,801	\$5,571,378	\$10,917,800	\$5,791,050	\$7,329,900	\$35,975,929
Unintentional	# of Incidents	529	516	556	648	664	2,913
	Dollar Loss	\$5,990,585	\$11,738,910	\$5,304,772	\$6,752,550	\$6,023,243	\$35,810,060
Failure of equipment or heat source	# of Incidents	191	159	146	214	206	916
	Dollar Loss	\$1,254,850	\$1,429,730	\$1,823,235	\$3,278,200	\$3,313,245	\$11,099,260
Intentional	# of Incidents	170	191	200	204	219	984
	Dollar Loss	\$2,075,391	\$823,099	\$3,158,401	\$1,015,850	\$1,383,500	\$8,456,241
Cause undetermined after investigation	# of Incidents	233	245	257	220	188	1,143
	Dollar Loss	\$931,693	\$1,529,844	\$1,609,820	\$1,049,932	\$1,921,515	\$7,042,804
Cause, other (conversion and exposure 1 only)	# of Incidents	101	84	110	78	64	437
	Dollar Loss	\$214,475	\$219,300	\$261,420	\$434,205	\$294,195	\$1,423,595
Act of nature	# of Incidents	13	18	12	41	41	125
	Dollar Loss	\$5,300	\$691,000	\$500	\$18,250	\$139,000	\$854,050
Total # of Incidents		1,365	1,340	1,424	1,535	1,519	7,183
Total Dollar Loss		\$16,838,095	\$22,003,261	\$23,075,948	\$18,340,037	\$20,404,598	\$100,661,939

Region 7 Incident Reporting Summary

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Kittitas County		4,089	0	226	4,315	\$2,920,360
19D01	Kittitas #1, Thorp	160	0	21	181	\$108,800
19D02	Kittitas #2, Kittitas Valley Fire & Rescue	3,051	0	12	3,063	\$2,319,760
19D03	Kittitas #3, Easton	0	0	0	0	\$0
19D04	Kittitas #4, Vantage	0	0	0	0	\$0
19D06	Kittitas #6, Lake Cle Elum	29	0	6	35	\$15,200
19D07	Kittitas #7	486	0	56	542	\$304,600
19D08	Kittitas #8, Lake Kachess	93	0	0	93	\$87,000
19M01	Cle Elum Fire Department	152	0	63	215	\$0
19M03	Kittitas Fire Department	25	0	13	38	\$14,500
19M04	Roslyn Fire Department	5	0	0	5	\$0
19M05	South Cle Elum Fire Department	88	0	55	143	\$70,500
Klickitat County		745	4	363	1,112	\$1,413,075
20D01	Klickitat #1, Trout Lake	6	0	0	6	\$0
20D02	Klickitat #2, Bickleton	4	1	1	6	\$5,000
20D03	Klickitat #3, Husum/Cherry Lane	44	0	4	48	\$780,275
20D04	Klickitat #4, Lyle	127	0	36	163	\$8,100
20D05	Klickitat #5, Centerville	27	0	35	62	\$206,900
20D06	Klickitat #6, Dallesport	118	0	41	159	\$0
20D07	Klickitat #7, Goldendale	288	0	92	380	\$68,000
20D08	Klickitat #8, Glenwood	0	0	0	0	\$0
20D09	Klickitat #9, Roosevelt	16	3	8	27	\$47,000
20D10	Klickitat #10, Alderdale	0	0	0	0	\$0
20D11	Klickitat #11, Wishram	17	0	5	22	\$183,500
20D12	Klickitat #12, Klickitat	0	0	0	0	\$0
20D13	Klickitat #13, Appleton	2	0	4	6	\$0
20D14	Klickitat #14, High Prairie	18	0	38	56	\$87,000
20D15	Klickitat #15	0	0	0	0	\$0
20M01	Bingen Fire Department	23	0	52	75	\$8,500
20M02	Goldendale Fire Department	31	0	7	38	\$18,800
20M03	White Salmon Fire Department	24	0	40	64	\$0
Yakima County		20,050	13	1,007	21,070	\$17,807,676
39D01	Yakima #1, Highland	46	0	28	74	\$0
39D02	Yakima #2, Selah	1,182	0	45	1,227	\$427,550
39D03	Yakima #3, Naches	54	0	20	74	\$184,000
39D04	Yakima #4, Moxee	809	0	34	843	\$3,272,300
39D05	Yakima #5, Zillah	2,808	0	31	2,839	\$5,754,510
39D06	Yakima #6, Gleed	34	0	28	62	\$0
39D07	Yakima #7, Glade	6	0	0	6	\$0
39D09	Yakima #9, Naches Heights	66	0	47	113	\$335,000
39D12	Yakima #12, West Valley	545	0	113	658	\$529,500
39D14	Yakima #14, Nile/Cliffdell	0	0	0	0	\$0
39M01	Grandview Fire Department	535	0	3	538	\$11,400
39M02	Granger Fire Department	159	0	1	160	\$291,500
39M03	Mabton Fire Department	94	0	0	94	\$5,200
39M06	Sunnyside Fire Department	1,880	5	169	2,054	\$825,885
39M07	Tieton Fire Department	18	0	4	22	\$70,000
39M08	Toppenish Fire Department	660	3	208	871	\$404,260
39M09	Union Gap Fire Department	869	0	90	959	\$404,325
39M10	Wapato Fire Department	540	0	1	541	\$11,420
39M11	Yakima Fire Department	9,555	5	182	9,742	\$5,273,326
39M12	Zillah Fire Department	190	0	3	193	\$7,500
Region 7 Totals		24,884	17	1,596	26,497	\$22,141,111

Region 8

Adams, Asotin, Benton, Columbia, Garfield, Franklin, Walla Walla, and Whitman counties make up Region 8. In 2009, 79% of the fire service agencies in this region reported NFIRS data to the Office of the State Fire Marshal. Below is a table summarizing the incidents that have been reported over the past five years.



Five Year Incident Type Summary (Five-year total sorted by dollar loss)

Incident Type Category		2005	2006	2007	2008	2009	5-Year Total
Fires	<i># of Incidents</i>	1,616	1,721	1,939	1,943	1,776	8,995
	<i>Dollar Loss</i>	\$8,435,159	\$6,168,986	\$7,922,858	\$10,358,812	\$10,423,623	\$43,309,438
Rescue & Emergency Medical Service	<i># of Incidents</i>	12,711	12,645	16,051	16,180	16,123	73,710
	<i>Dollar Loss</i>	\$546,570	\$47,200	\$53,000	\$562,500	\$423,600	\$1,632,870
Other Types of Incidents	<i># of Incidents</i>	77	176	102	105	64	524
	<i>Dollar Loss</i>	\$0	\$0	\$500,000	\$0	\$0	\$500,000
Hazardous Conditions (No Fire)	<i># of Incidents</i>	592	642	601	734	576	3,145
	<i>Dollar Loss</i>	\$4,203	\$188,250	\$11,580	\$33,350	\$259,630	\$497,013
Severe Weather & Natural Disaster	<i># of Incidents</i>	12	38	13	46	7	116
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$420,000	\$0	\$420,000
Service Calls	<i># of Incidents</i>	823	805	1,142	1,161	1,383	5,314
	<i>Dollar Loss</i>	\$11,185	\$14,690	\$48,750	\$92,050	\$118,670	\$285,345
False Alarms & False Calls	<i># of Incidents</i>	2,279	2,894	2,775	2,945	2,896	13,789
	<i>Dollar Loss</i>	\$75,000	\$20,000	\$17,725	\$154,200	\$6,100	\$273,025
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	36	42	46	44	34	202
	<i>Dollar Loss</i>	\$300	\$5,200	\$2,005	\$1,100	\$2,500	\$11,105
Good Intent Calls	<i># of Incidents</i>	1,832	1,700	1,757	1,858	1,774	8,921
	<i>Dollar Loss</i>	\$0	\$0	\$300	\$1,975	\$0	\$2,275
Undetermined Incident Type	<i># of Incidents</i>	0	0	0	1	0	1
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		19,978	20,663	24,426	25,017	24,633	114,717
Total Dollar Loss		\$9,072,417	\$6,444,326	\$8,556,218	\$11,623,987	\$11,234,123	\$46,931,071

Region 8 Fire Incidents

Over the past five years, 8,995 fire incidents have been reported by fire service agencies in Region 8 resulting in more than \$43 million in property and content loss. Structure fires, including confined fires, accounted for nearly 27% of the five-year total and 81% of the dollar loss to property and contents.

2005 – 2009 Fire Incidents by Category (Five-year total sorted by dollar loss)

Fire Incidents by Category		2005	2006	2007	2008	2009	5-Year Total
Structure Fires (including confined fires)	# of Incidents	519	484	450	464	485	2,402
	Dollar Loss	\$7,182,968	\$5,241,390	\$6,088,790	\$7,993,879	\$8,433,988	\$34,941,015
Vehicle Fires (Mobile Properties)	# of Incidents	255	283	293	281	275	1,387
	Dollar Loss	\$846,085	\$536,623	\$1,167,900	\$955,880	\$522,250	\$4,028,738
Cultivated Vegetation Fires	# of Incidents	57	49	64	50	59	279
	Dollar Loss	\$145,425	\$63,750	\$200,903	\$597,900	\$768,657	\$1,776,635
Natural Vegetation Fires	# of Incidents	439	508	691	705	533	2,876
	Dollar Loss	\$31,666	\$143,403	\$173,355	\$534,053	\$522,703	\$1,405,180
Fixed Mobile Property Fires	# of Incidents	25	23	17	16	17	98
	Dollar Loss	\$56,575	\$130,100	\$74,710	\$140,000	\$128,900	\$530,285
Outside Storage & Equipment Fires	# of Incidents	59	65	75	95	65	359
	Dollar Loss	\$22,020	\$46,270	\$177,520	\$52,725	\$36,550	\$335,085
Fire, other	# of Incidents	84	80	113	83	134	494
	Dollar Loss	\$145,950	\$1,300	\$35,040	\$16,405	\$7,250	\$205,945
Outside Rubbish Fires	# of Incidents	178	229	236	249	208	1,100
	Dollar Loss	\$4,470	\$6,150	\$4,640	\$67,970	\$3,325	\$86,555
Total # of Incidents		1,616	1,721	1,939	1,943	1,776	8,995
Total Dollar Loss		\$8,435,159	\$6,168,986	\$7,922,858	\$10,358,812	\$10,423,623	\$43,309,438

2005 – 2009 Structure Fires by Type (Five-year total sorted by dollar loss)

Structure Fires (including confined fires)		2005	2006	2007	2008	2009	5-Year Total
Building fires	# of Incidents	291	261	252	291	309	1,404
	Dollar Loss	\$7,008,134	\$5,148,675	\$6,064,990	\$7,926,265	\$8,426,178	\$34,574,242
Fires in structures other than in a building	# of Incidents	16	19	12	14	10	71
	Dollar Loss	\$135,100	\$72,600	\$14,000	\$50,000	\$5,000	\$276,700
Cooking fire, confined to container	# of Incidents	108	100	113	103	94	518
	Dollar Loss	\$8,314	\$18,205	\$5,165	\$12,299	\$2,005	\$45,988
Trash or rubbish fire, contained	# of Incidents	62	69	38	29	25	223
	Dollar Loss	\$30,920	\$1,110	\$4,635	\$65	\$305	\$37,035
Structure fire, other	# of Incidents	1	0	0	0	0	1
	Dollar Loss	\$0	\$0	\$0	\$5,000	\$0	\$5,000
Chimney or flue fire, confined to chimney or flue	# of Incidents	31	32	30	24	42	159
	Dollar Loss	\$500	\$800	\$0	\$250	\$500	\$2,050
Commercial Compactor fire, confined to rubbish	# of Incidents	0	1	1	0	0	2
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Incinerator overload or malfunction, fire confined	# of Incidents	2	0	2	1	2	7
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Fuel burner/boiler malfunction, fire confined	# of Incidents	8	2	2	2	3	17
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		519	484	450	464	485	2,402
Total Dollar Loss		\$7,182,968	\$5,241,390	\$6,088,790	\$7,993,879	\$8,433,988	\$34,941,015

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

Property Use by Category		2005	2006	2007	2008	2009	5-Year Total
Residential	# of Incidents	593	567	563	599	632	2,954
	Dollar Loss	\$6,348,958	\$3,972,981	\$4,893,881	\$4,473,286	\$4,269,443	\$23,958,549
Outside or Special Properties	# of Incidents	753	847	1,047	1,001	854	4,502
	Dollar Loss	\$371,946	\$598,142	\$786,080	\$993,801	\$1,645,497	\$4,395,466
Storage	# of Incidents	52	60	53	45	49	259
	Dollar Loss	\$872,850	\$1,048,600	\$731,575	\$298,950	\$968,100	\$3,920,075
Industrial, Utility, Defense, Agriculture, & Mining	# of Incidents	78	83	95	95	80	431
	Dollar Loss	\$190,500	\$208,820	\$612,504	\$898,000	\$1,037,310	\$2,947,134
Other Property Uses	# of Incidents	10	19	14	30	18	91
	Dollar Loss	\$4,250	\$1,000	\$94,603	\$0	\$2,291,623	\$2,391,476
Assembly	# of Incidents	27	32	31	27	28	145
	Dollar Loss	\$12,105	\$153,300	\$59,245	\$2,006,815	\$32,700	\$2,264,165
Manufacturing, processing	# of Incidents	7	16	16	29	22	90
	Dollar Loss	\$390,250	\$25,000	\$5,000	\$1,135,500	\$1,500	\$1,557,250
Mercantile and Business	# of Incidents	58	57	47	44	48	254
	Dollar Loss	\$231,050	\$110,943	\$621,100	\$323,600	\$168,250	\$1,454,943
Health Care, Detention, and Corrections	# of Incidents	8	9	13	18	8	56
	Dollar Loss	\$3,000	\$43,000	\$53,320	\$82,500	\$1,200	\$183,020
None	# of Incidents	9	13	28	31	22	103
	Dollar Loss	\$9,750	\$2,700	\$65,500	\$74,350	\$8,000	\$160,300
Undetermined	# of Incidents	8	6	13	7	3	37
	Dollar Loss	\$0	\$0	\$0	\$65,000	\$0	\$65,000
Educational Uses	# of Incidents	13	12	19	16	11	71
	Dollar Loss	\$500	\$4,500	\$50	\$5,010	\$0	\$10,060
Total # of Incidents		1,616	1,721	1,939	1,942	1,775	8,993
Total Dollar Loss		\$8,435,159	\$6,168,986	\$7,922,858	\$10,356,812	\$10,423,623	\$43,307,438

Area of Origin by Category		2005	2006	2007	2008	2009	5-Year Total
Structural Areas	# of Incidents	64	76	56	77	104	377
	Dollar Loss	\$1,088,503	\$1,895,150	\$1,380,700	\$3,026,800	\$1,303,840	\$8,694,993
Functional Areas	# of Incidents	134	131	189	219	195	868
	Dollar Loss	\$1,970,681	\$1,484,895	\$1,663,460	\$1,574,014	\$1,761,945	\$8,454,995
Outside Areas	# of Incidents	175	245	381	671	593	2,065
	Dollar Loss	\$1,850,570	\$225,875	\$804,488	\$2,395,077	\$747,875	\$6,023,885
Undetermined	# of Incidents	50	59	68	83	89	349
	Dollar Loss	\$928,525	\$215,000	\$681,504	\$561,600	\$2,858,220	\$5,244,849
Storage Areas	# of Incidents	57	65	61	59	49	291
	Dollar Loss	\$977,650	\$530,840	\$795,825	\$823,850	\$1,299,325	\$4,427,490
Vehicle Areas	# of Incidents	232	264	272	268	254	1,290
	Dollar Loss	\$844,835	\$654,843	\$823,590	\$709,230	\$605,650	\$3,638,148
Areas for Groups of People (Assembly)	# of Incidents	24	25	14	18	14	95
	Dollar Loss	\$208,050	\$712,800	\$876,050	\$312,200	\$79,100	\$2,188,200
Service or Equipment Areas	# of Incidents	21	23	21	38	43	146
	Dollar Loss	\$264,500	\$207,100	\$74,200	\$465,355	\$338,400	\$1,349,555
Other Areas of Origin	# of Incidents	11	23	33	62	47	176
	Dollar Loss	\$5,300	\$20,800	\$25,850	\$10,120	\$545,250	\$607,320
Exit/Exit Access/Exit Discharge Areas	# of Incidents	7	4	9	16	13	49
	Dollar Loss	\$13,000	\$7,100	\$120,000	\$67,350	\$37,050	\$244,500
Technical Processing Areas	# of Incidents	5	4	1	4	3	17
	Dollar Loss	\$20,250	\$55,000	\$50,000	\$5,000	\$1,000	\$131,250
Total # of Incidents		780	919	1,105	1,515	1,404	5,723
Total Dollar Loss		\$8,171,864	\$6,009,403	\$7,295,667	\$9,950,596	\$9,577,655	\$41,005,185

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

Heat Source Categories		2005	2006	2007	2008	2009	5-Year Total
Undetermined	<i># of Incidents</i>	224	287	401	546	505	1,963
	<i>Dollar Loss</i>	\$2,407,103	\$2,574,993	\$1,736,048	\$5,123,045	\$4,207,365	\$16,048,554
Operating Equipment	<i># of Incidents</i>	298	308	318	399	393	1,716
	<i>Dollar Loss</i>	\$2,650,986	\$1,627,675	\$2,112,085	\$2,154,822	\$1,234,370	\$9,779,938
Open Flame or Smoking Material	<i># of Incidents</i>	111	115	129	186	170	711
	<i>Dollar Loss</i>	\$2,219,330	\$544,410	\$995,350	\$1,165,125	\$1,348,825	\$6,273,040
Hot or Smoldering Object	<i># of Incidents</i>	77	104	107	157	144	589
	<i>Dollar Loss</i>	\$275,775	\$517,975	\$409,150	\$727,010	\$674,245	\$2,604,155
Heat Spread from Another Fire	<i># of Incidents</i>	0	18	22	42	55	137
	<i>Dollar Loss</i>	\$285,000	\$69,050	\$1,208,180	\$234,200	\$692,575	\$2,489,005
Heat Source Other	<i># of Incidents</i>	47	47	60	95	60	309
	<i>Dollar Loss</i>	\$123,520	\$319,500	\$720,200	\$357,769	\$164,450	\$1,685,439
Chemical or Natural	<i># of Incidents</i>	10	23	46	34	40	153
	<i>Dollar Loss</i>	\$26,150	\$66,600	\$104,454	\$153,925	\$1,237,050	\$1,588,179
Multiple Heat Sources	<i># of Incidents</i>	5	6	3	0	3	17
	<i>Dollar Loss</i>	\$40,000	\$288,200	\$750	0	\$0	\$328,950
Explosives and Fireworks	<i># of Incidents</i>	8	11	19	56	33	127
	<i>Dollar Loss</i>	\$144,000	\$1,000	\$9,450	\$29,700	\$18,775	\$202,925
Total # of Incidents		780	919	1,105	1,515	1,403	5,722
Total Dollar Loss		\$8,171,864	\$6,009,403	\$7,295,667	\$9,945,596	\$9,577,655	\$41,000,185

Cause of Ignition		2005	2006	2007	2008	2009	5-Year Total
Unintentional	<i># of Incidents</i>	303	331	411	603	515	2,163
	<i>Dollar Loss</i>	\$4,808,756	\$1,864,460	\$3,763,215	\$3,294,746	\$2,441,820	\$16,172,997
Cause under investigation	<i># of Incidents</i>	65	81	93	118	137	494
	<i>Dollar Loss</i>	\$975,000	\$1,906,400	\$1,349,063	\$4,509,620	\$3,299,623	\$12,039,706
Failure of equipment or heat source	<i># of Incidents</i>	176	188	192	201	220	977
	<i>Dollar Loss</i>	\$928,275	\$692,848	\$722,200	\$1,097,790	\$751,700	\$4,192,813
Cause undetermined after investigation	<i># of Incidents</i>	113	158	182	231	217	901
	<i>Dollar Loss</i>	\$850,450	\$1,123,600	\$441,820	\$543,830	\$410,792	\$3,370,492
Cause, other (conversion and exposure 1 only)	<i># of Incidents</i>	36	41	55	163	111	406
	<i>Dollar Loss</i>	\$556,900	\$140,350	\$890,330	\$164,500	\$665,100	\$2,417,180
Intentional	<i># of Incidents</i>	77	96	119	160	153	605
	<i>Dollar Loss</i>	\$52,483	\$266,745	\$64,585	\$211,260	\$811,470	\$1,406,543
Act of nature	<i># of Incidents</i>	10	24	53	39	50	176
	<i>Dollar Loss</i>	\$0	\$15,000	\$64,454	\$128,850	\$1,197,150	\$1,405,454
Total # of Incidents		780	919	1,105	1,515	1,403	5,722
Total Dollar Loss		\$8,171,864	\$6,009,403	\$7,295,667	\$9,950,596	\$9,577,655	\$41,005,185

Region 8 Incident Reporting Summary

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Adams County		372	0	9	381	\$447,100
01D01	Adams #1, Ritzville	73	0	3	76	\$444,100
01D02	Adams #2, Lind	0	0	0	0	\$0
01D04	Adams #4, McCall	0	0	0	0	\$0
01D05	Adams #5, Othello	149	0	4	153	\$0
01D06	Adams #6, Benge	1	0	1	2	\$0
01D07	Adams #7, Washtucna	24	0	1	25	\$3,000
01M01	Lind Fire Department	0	0	0	0	\$0
01M02	Othello Fire Department	125	0	0	125	\$0
01M03	Ritzville Fire Department	0	0	0	0	\$0
Asotin County		472	0	66	538	\$80,000
02D01	Asotin #1, Clarkston	228	0	19	247	\$0
02M01	Asotin Fire Department	22	0	40	62	\$0
02M02	Clarkston Fire Department	222	0	7	229	\$80,000
Benton County		14,462	6	2,043	16,511	\$3,209,833
03D01	Benton #1, Kennewick	934	0	148	1,082	\$522,650
03D02	Benton #2, Benton City	539	0	157	696	\$41,103
03D03	Benton #3, Prosser	180	0	14	194	\$0
03D04	Benton #4, West Richland	690	1	216	907	\$236,900
03D05	Benton #5, Horse Haven	0	0	0	0	\$0
03D06	Benton #6, Plymouth/Paterson	110	0	9	119	\$0
03M02	Kennewick Fire Department	6,637	4	673	7,314	\$2,213,230
03M03	Prosser Fire Department	141	0	1	142	\$0
03M04	Richland Fire Department	4,304	1	774	5,079	\$95,750
03S01	Hanford Fire Department	927	0	51	978	\$100,200
Columbia County		59	1	11	71	\$195,025
07D01	Columbia #1, Starbuck	6	0	2	8	\$0
07D03	Columbia #3, Dayton	53	1	9	63	\$195,025
Franklin County		4,112	12	150	4,274	\$2,209,062
11D01	Franklin #1, Connell - Mesa	0	0	0	0	\$0
11D02	Franklin #2, Kahlotus	1	0	0	1	\$0
11D03	Franklin #3, Pasco	355	0	38	393	\$358,747
11D04	Franklin #4, Basin City	0	0	0	0	\$0
11D05	Franklin #5	10	0	2	12	\$701,000
11M01	Connell Fire Department	0	0	0	0	\$0
11M02	Pasco Fire Department	3,746	12	110	3,868	\$1,149,315

Region 8 Incident Reporting Summary (Continued)

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Garfield County		29	0	0	29	\$2,000
12D01	Garfield #1, Pomeroy	29	0	0	29	\$2,000
Walla Walla County		3,548	6	216	3,770	\$3,733,753
36D01	Walla Walla #1, Clyde	0	0	0	0	\$0
36D02	Walla Walla/Columbia #2	45	2	0	47	\$2,605,768
36D03	Walla Walla #3, Eureka	21	0	10	31	\$0
36D04	Walla Walla #4, Walla Walla	646	0	68	714	\$99,455
36D05	Walla Walla #5, Burbank	314	0	79	393	\$565,550
36D06	Walla Walla #6, Touchet	1	0	0	1	\$0
36D07	Walla Walla #7, Prescott	12	0	2	14	\$660
36D08	Walla Walla #8, Dixie	57	0	8	65	\$10,000
36M01	College Place Fire Department	990	0	22	1,012	\$29,700
36M04	Walla Walla Fire Department	1,462	4	27	1,493	\$422,620
Whitman County		1,578	0	240	1,818	\$1,357,350
38D01	Whitman #1, Tekoa	0	0	0	0	\$0
38D02	Whitman #2, St. John	8	0	5	13	\$2,600
38D03	Whitman #3, Garfield	7	0	1	8	\$0
38D04	Whitman #4, Palouse	24	0	7	31	\$0
38D05	Whitman #5, Lamont	10	0	7	17	\$0
38D06	Whitman #6, Endicott	0	0	0	0	\$0
38D07	Whitman #7, Rosalia	14	0	8	22	\$275,500
38D08	Whitman #8, LaCrosse/Hooper	59	0	7	66	\$0
38D10	Whitman #10, Oakesdale/Farmington	40	0	11	51	\$0
38D11	Whitman #11, Albion/Colfax	115	0	12	127	\$433,000
38D12	Whitman #12, Pullman	0	0	0	0	\$0
38D13	Whitman #13, Wilcox	2	0	0	2	\$0
38D14	Whitman #14, Colton/Uniontown	2	0	28	30	\$0
38M01	Albion Fire Department	11	0	6	17	\$0
38M02	Colfax Fire & Rescue	580	0	145	725	\$138,800
38M05	Garfield Fire Department	6	0	3	9	\$0
38M06	LaCrosse Fire Department	0	0	0	0	\$0
38M07	Malden Volunteer Fire and EMS	17	0	0	17	\$0
38M10	Pullman Fire Department	640	0	0	640	\$507,450
38M11	Rosalia Fire Department	16	0	0	16	\$0
38M13	Tekoa Fire Department	27	0	0	27	\$0
Region 8 Totals		24,632	25	2,735	27,392	\$11,234,123

Region 9

Ferry, Lincoln, Pend Oreille, Spokane, and Stevens counties make up Region 9. In 2009, 88% of the fire service agencies in this region reported NFIRS data to the Office of the State Fire Marshal. Below is a table summarizing the incidents that have been reported over the past five years.



Five Year Incident Type Summary

Incident Type Category		2005	2006	2007	2008	2009	5-Year Total
Fires	<i># of Incidents</i>	2,236	2,262	2,325	2,143	2,040	11,006
	<i>Dollar Loss</i>	\$16,704,555	\$24,251,590	\$33,045,185	\$30,358,426	\$13,852,329	\$118,212,085
Rescue & Emergency Medical Service	<i># of Incidents</i>	27,815	29,277	32,672	36,424	35,234	161,422
	<i>Dollar Loss</i>	\$355,119	\$313,225	\$103,000	\$103,500	\$137,100	\$1,011,944
Hazardous Conditions (No Fire)	<i># of Incidents</i>	1,288	1,364	1,272	1,332	1,182	6,438
	<i>Dollar Loss</i>	\$130,635	\$180,100	\$337,350	\$47,600	\$194,490	\$890,175
False Alarms & False Calls	<i># of Incidents</i>	2,530	2,645	2,454	2,528	2,467	12,624
	<i>Dollar Loss</i>	\$160,000	\$0	\$100,000	\$80,000	\$0	\$340,000
Service Calls	<i># of Incidents</i>	2,985	3,146	3,306	3,810	3,672	16,919
	<i>Dollar Loss</i>	\$92,050	\$2,750	\$2,900	\$21,200	\$44,106	\$163,006
Good Intent Calls	<i># of Incidents</i>	3,370	3,702	4,222	4,975	4,696	20,965
	<i>Dollar Loss</i>	\$30,050	\$130,500	\$0	\$0	\$300	\$160,850
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	104	111	145	134	106	600
	<i>Dollar Loss</i>	\$25,150	\$27,500	\$72,600	\$3,450	\$10,980	\$139,680
Severe Weather & Natural Disaster	<i># of Incidents</i>	19	26	14	14	44	117
	<i>Dollar Loss</i>	\$50,000	\$20,000	\$0	\$0	\$0	\$70,000
Other Types of Incidents	<i># of Incidents</i>	2,448	2,231	2,154	2,011	1,757	10,601
	<i>Dollar Loss</i>	\$10,000	\$0	\$0	\$150	\$350	\$10,500
Total # of Incidents		42,795	44,764	48,564	53,371	51,198	240,692
Total Dollar Loss		\$17,557,559	\$24,925,665	\$33,661,035	\$30,614,326	\$14,239,655	\$120,998,240

Region 9 Fire Incidents

Over the past five years, 11,006 fire incidents have been reported by fire service agencies in Region 9 resulting in more than \$118 million in property and content loss. Structure fires, including confined fires, accounted for 29% of the five-year total and 72% of the dollar loss to property and contents.

2005 – 2009 Fire Incidents by Category (Five-year totals sorted by dollar loss)

Fire Incidents by Category		2005	2006	2007	2008	2009	5-Year Total
Structure Fires (including confined fires)	# of Incidents	671	618	642	671	614	3,216
	Dollar Loss	\$13,461,604	\$21,982,070	\$10,942,521	\$27,532,975	\$12,059,010	\$85,978,180
Vehicle Fires (Mobile Properties)	# of Incidents	386	363	316	288	312	1,665
	Dollar Loss	\$797,250	\$901,065	\$20,413,040	\$1,366,346	\$1,223,810	\$24,701,511
Natural Vegetation Fires	# of Incidents	600	598	711	604	592	3,105
	Dollar Loss	\$932,951	\$856,650	\$1,284,200	\$908,200	\$34,289	\$4,016,290
Fixed Mobile Property Fires	# of Incidents	29	29	24	35	19	136
	Dollar Loss	\$625,350	\$186,940	\$360,779	\$257,950	\$480,200	\$1,911,219
Outside Storage & Equipment Fires	# of Incidents	103	105	66	107	97	478
	Dollar Loss	\$577,760	\$47,325	\$4,675	\$191,230	\$19,475	\$840,465
Cultivated Vegetation Fires	# of Incidents	34	26	17	16	10	103
	Dollar Loss	\$297,000	\$246,000	\$8,200	\$72,000	\$3,250	\$626,450
Fire, other	# of Incidents	123	158	204	106	93	684
	Dollar Loss	\$10,230	\$11,725	\$24,200	\$25,575	\$11,245	\$82,975
Outside Rubbish Fires	# of Incidents	290	365	345	316	303	1,619
	Dollar Loss	\$2,410	\$19,815	\$7,570	\$4,150	\$21,050	\$54,995
Total # of Incidents		2,236	2,262	2,325	2,143	2,040	11,006
Total Dollar Loss		\$16,704,555	\$24,251,590	\$33,045,185	\$30,358,426	\$13,852,329	\$118,212,085

2005 – 2009 Structure Fires by Type (Five-year totals sorted by dollar loss)

Structure Fires (including confined fires)		2005	2006	2007	2008	2009	5-Year Total
Building fires	# of Incidents	422	362	376	398	357	1,915
	Dollar Loss	\$13,255,994	\$21,907,850	\$10,652,969	\$27,383,805	\$12,002,490	\$85,203,108
Fires in structures other than in a building	# of Incidents	20	22	34	25	15	116
	Dollar Loss	\$59,050	\$52,750	\$155,079	\$122,070	\$38,930	\$427,879
Structure fire, other	# of Incidents	23	0	0	0	0	23
	Dollar Loss	\$136,850	\$0	\$0	\$0	\$0	\$136,850
Fuel burner/boiler malfunction, fire confined	# of Incidents	7	5	12	14	7	45
	Dollar Loss	\$10	\$3,000	\$110,000	\$10,000	\$250	\$123,260
Cooking fire, confined to container	# of Incidents	76	90	85	108	103	462
	Dollar Loss	\$3,100	\$7,400	\$7,301	\$10,600	\$13,070	\$41,471
Incinerator overload or malfunction, fire confined	# of Incidents	1	0	3	1	1	6
	Dollar Loss	\$3,500	\$0	\$15,045	\$0	\$0	\$18,545
Chimney or flue fire, confined to chimney or flue	# of Incidents	82	97	90	90	95	454
	Dollar Loss	\$1,700	\$3,710	\$1,627	\$5,900	\$4,150	\$17,087
Trash or rubbish fire, contained	# of Incidents	40	40	41	34	36	191
	Dollar Loss	\$1,400	\$7,360	\$500	\$600	\$120	\$9,980
Commercial Compactor fire, confined to rubbish	# of Incidents	0	2	1	1	0	4
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		671	618	642	671	614	3,216
Total Dollar Loss		\$13,461,604	\$21,982,070	\$10,942,521	\$27,532,975	\$12,059,010	\$85,978,180

Region 9 Fire Incidents by Category (Five-year totals sorted by dollar loss)

Property Use by Category		2005	2006	2007	2008	2009	5-Year Total
Residential	# of Incidents	830	867	872	812	788	4,169
	Dollar Loss	\$10,292,629	\$20,212,260	\$9,724,612	\$11,736,175	\$10,499,125	\$62,464,801
Industrial, Utility, Defense, Agriculture, & Mining	# of Incidents	102	77	112	70	83	444
	Dollar Loss	\$1,119,250	\$734,200	\$21,386,300	\$213,950	\$37,800	\$23,491,500
Mercantile and Business	# of Incidents	72	67	61	82	64	346
	Dollar Loss	\$1,852,000	\$247,550	\$645,235	\$8,140,260	\$771,301	\$11,656,346
Storage	# of Incidents	76	94	62	69	63	364
	Dollar Loss	\$1,190,740	\$1,162,600	\$414,852	\$7,160,470	\$697,730	\$10,626,392
Outside or Special Properties	# of Incidents	939	976	1,043	945	885	4,788
	Dollar Loss	\$534,950	\$575,895	\$371,110	\$2,079,791	\$762,623	\$4,324,369
Assembly	# of Incidents	38	40	34	29	27	168
	Dollar Loss	\$1,284,520	\$167,500	\$383,951	\$702,005	\$19,600	\$2,557,576
Manufacturing, processing	# of Incidents	20	23	22	18	19	102
	Dollar Loss	\$114,600	\$91,710	\$16,400	\$52,100	\$918,000	\$1,192,810
None	# of Incidents	19	22	28	13	25	107
	Dollar Loss	\$132,640	\$483,600	\$18,250	\$8,500	\$14,600	\$657,590
Other Property Uses	# of Incidents	47	41	46	59	47	240
	Dollar Loss	\$38,950	\$153,700	\$60,675	\$207,000	\$75,550	\$535,875
Educational Uses	# of Incidents	27	29	24	21	17	118
	Dollar Loss	\$56,525	\$300,525	\$6,000	\$8,075	\$26,000	\$397,125
Health Care, Detention, and Corrections	# of Incidents	18	12	11	15	10	66
	Dollar Loss	\$24,650	\$122,050	\$15,800	\$50,100	\$30,000	\$242,600
Undetermined	# of Incidents	40	7	9	7	11	74
	Dollar Loss	\$63,101	\$0	\$2,000	\$0	\$0	\$65,101
Total # of Incidents		2,228	2,255	2,324	2,140	2,039	10,986
Total Dollar Loss		\$16,704,555	\$24,251,590	\$33,045,185	\$30,358,426	\$13,852,329	\$118,212,085

Area of Origin by Category		2005	2006	2007	2008	2009	5-Year Total
Structural Areas	# of Incidents	127	118	113	124	113	595
	Dollar Loss	\$1,665,000	\$15,187,950	\$3,582,003	\$7,390,025	\$4,042,280	\$31,867,258
Outside Areas	# of Incidents	490	509	529	499	449	2,476
	Dollar Loss	\$1,736,401	\$1,370,875	\$20,517,800	\$2,666,350	\$586,636	\$26,878,062
Functional Areas	# of Incidents	138	146	146	165	143	738
	Dollar Loss	\$5,346,325	\$3,285,350	\$3,702,971	\$4,275,800	\$2,758,055	\$19,368,501
Storage Areas	# of Incidents	84	73	76	69	62	364
	Dollar Loss	\$2,645,950	\$1,862,040	\$1,545,255	\$8,811,570	\$2,447,120	\$17,311,935
Undetermined	# of Incidents	133	120	119	108	100	580
	Dollar Loss	\$1,702,000	\$638,800	\$1,414,178	\$2,934,395	\$1,237,040	\$7,926,413
Vehicle Areas	# of Incidents	346	305	266	267	269	1,453
	Dollar Loss	\$641,850	\$767,765	\$385,645	\$926,001	\$770,410	\$3,491,671
Areas for Groups of People (Assembly)	# of Incidents	37	12	20	22	27	118
	Dollar Loss	\$572,999	\$417,050	\$845,100	\$491,460	\$829,150	\$3,155,759
Service or Equipment Areas	# of Incidents	60	27	35	54	42	218
	Dollar Loss	\$791,330	\$149,550	\$437,409	\$1,030,600	\$585,950	\$2,994,839
Exit/Exit Access/Exit Discharge Areas	# of Incidents	22	13	20	20	15	90
	Dollar Loss	\$200,100	\$423,000	\$290,800	\$308,025	\$210,150	\$1,432,075
Other Areas of Origin	# of Incidents	37	24	22	42	37	162
	Dollar Loss	\$51,920	\$75,000	\$58,501	\$422,500	\$126,300	\$734,221
Technical Processing Areas	# of Incidents	4	4	4	5	4	21
	Dollar Loss	\$0	\$0	\$5,000	\$181,000	\$210,000	\$396,000
Total # of Incidents		1,478	1,351	1,350	1,375	1,261	6,815
Total Dollar Loss		\$15,353,875	\$24,177,380	\$32,784,662	\$29,437,726	\$13,803,091	\$115,556,734

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

Heat Source Categories		2005	2006	2007	2008	2009	5-Year Total
Undetermined	<i># of Incidents</i>	509	521	557	465	431	2,483
	<i>Dollar Loss</i>	\$8,589,699	\$16,980,975	\$4,928,154	\$15,781,170	\$6,075,810	\$52,355,808
Explosives and Fireworks	<i># of Incidents</i>	28	35	49	35	25	172
	<i>Dollar Loss</i>	\$66,250	\$1,025	\$20,011,700	\$327,300	\$31,500	\$20,437,775
Operating Equipment	<i># of Incidents</i>	406	289	278	365	343	1,681
	<i>Dollar Loss</i>	\$2,817,105	\$2,260,240	\$2,894,247	\$5,057,026	\$3,071,915	\$16,100,533
Hot or Smoldering Object	<i># of Incidents</i>	194	198	170	196	159	917
	<i>Dollar Loss</i>	\$1,358,500	\$1,842,440	\$2,557,423	\$4,366,300	\$873,400	\$10,998,063
Open Flame or Smoking Material	<i># of Incidents</i>	237	208	174	165	142	926
	<i>Dollar Loss</i>	\$1,736,321	\$2,002,900	\$1,522,175	\$2,667,180	\$2,060,225	\$9,988,801
Heat Source Other	<i># of Incidents</i>	70	44	40	53	52	259
	<i>Dollar Loss</i>	\$645,050	\$340,600	\$521,203	\$395,100	\$545,210	\$2,447,163
Heat Spread from Another Fire	<i># of Incidents</i>	9	8	42	41	43	143
	<i>Dollar Loss</i>	\$11,000	\$499,800	\$135,600	\$480,100	\$258,430	\$1,384,930
Chemical or Natural	<i># of Incidents</i>	17	39	34	41	56	187
	<i>Dollar Loss</i>	\$34,500	\$247,900	\$213,160	\$79,550	\$789,101	\$1,364,211
Multiple Heat Sources	<i># of Incidents</i>	12	9	7	14	10	52
	<i>Dollar Loss</i>	\$95,500	\$1,500	\$1,000	\$284,000	\$97,500	\$479,500
Total # of Incidents		1,482	1,351	1,351	1,375	1,261	6,820
Total Dollar Loss		\$15,353,925	\$24,177,380	\$32,784,662	\$29,437,726	\$13,803,091	\$115,556,784

Cause of Ignition		2005	2006	2007	2008	2009	5-Year Total
Intentional	<i># of Incidents</i>	264	238	215	204	181	1,102
	<i>Dollar Loss</i>	\$2,244,621	\$14,436,525	\$20,822,075	\$2,347,130	\$380,185	\$40,230,536
Unintentional	<i># of Incidents</i>	456	479	491	511	484	2,421
	<i>Dollar Loss</i>	\$3,822,980	\$4,766,450	\$6,555,432	\$10,995,345	\$4,425,135	\$30,565,342
Cause under investigation	<i># of Incidents</i>	151	156	156	123	129	715
	<i>Dollar Loss</i>	\$6,093,370	\$2,323,230	\$2,603,510	\$4,434,500	\$4,490,890	\$19,945,500
Cause undetermined after investigation	<i># of Incidents</i>	246	226	258	239	196	1,165
	<i>Dollar Loss</i>	\$1,726,149	\$1,327,925	\$1,598,377	\$9,791,500	\$2,222,845	\$16,666,796
Failure of equipment or heat source	<i># of Incidents</i>	259	178	164	201	189	991
	<i>Dollar Loss</i>	\$1,324,525	\$954,750	\$968,967	\$1,434,851	\$2,017,455	\$6,700,548
Cause, other (conversion and exposure 1 only)	<i># of Incidents</i>	58	29	26	34	14	161
	<i>Dollar Loss</i>	\$23,650	\$153,500	\$50,301	\$433,600	\$252,980	\$914,031
Act of nature	<i># of Incidents</i>	55	45	43	64	67	274
	<i>Dollar Loss</i>	\$118,630	\$215,000	\$186,000	\$800	\$13,601	\$534,031
Total # of Incidents		1,489	1,351	1,353	1,376	1,260	6,829
Total Dollar Loss		\$15,353,925	\$24,177,380	\$32,784,662	\$29,437,726	\$13,803,091	\$115,556,784

Region 9 Incident Reporting Summary

		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Ferry County		208	0	0	208	\$22,400
10D03	Ferry #3/Stevens #8	151	0	0	151	\$22,400
10D13	Ferry/Okanagan #13, Republic	32	0	0	32	\$0
10D14	Ferry/Okanagan #14	25	0	0	25	\$0
Lincoln County		341	0	21	362	\$276,800
22D01	Lincoln #1, Sprague	96	0	1	97	\$25,200
22D03	Lincoln #3, Odessa	12	0	1	13	\$0
22D04	Lincoln #4, Reardan/Edwall/Long Lake	136	0	14	150	\$1,000
22D05	Lincoln #5, Davenport	27	0	3	30	\$189,000
22D06	Lincoln #6, Harrington	0	0	0	0	\$0
22D07	Lincoln #7, Wilbur	16	0	1	17	\$0
22D08	Lincoln #8, Almira	11	0	0	11	\$0
22D09	Lincoln #9, Grand Coulee*	0	0	0	0	\$0
22M01	Almira Fire Department	31	0	0	31	\$0
22M03	Davenport Fire Department	10	0	1	11	\$61,600
22M05	Odessa Fire Department*	2	0	0	2	\$0
Pend Oreille County		565	0	88	653	\$213,550
26D02	Pend Oreille #2, Metaline Falls	32	0	5	37	\$52,000
26D03	Pend Oreille #3, South Pend Oreille Fire & Rescue	292	0	4	296	\$0
26D04	Pend Oreille #4, Newport	98	0	20	118	\$40,500
26D05	Pend Oreille #5, Cusick	12	0	0	12	\$3,100
26D06	Pend Oreille #6, Newport	8	0	0	8	\$51,100
26D08	Pend Oreille #8, Newport	42	0	2	44	\$50
26M01	Cusick Fire Department	0	0	0	0	\$0
26M02	Ione Fire Department	40	0	40	80	\$0
26M03	Metaline Fire Department	2	0	14	16	\$25,000
26M04	Metaline Falls Fire Department	0	0	0	0	\$0
26M05	Newport Fire Department	38	0	3	41	\$41,800
26S01	Kalispel Tribal Public Safety	1	0	0	1	\$0

*Fire agency submitted one or more no activity report or a statement of no fire activity in 2009.

Region 9 Incident Reporting Summary (Continued)

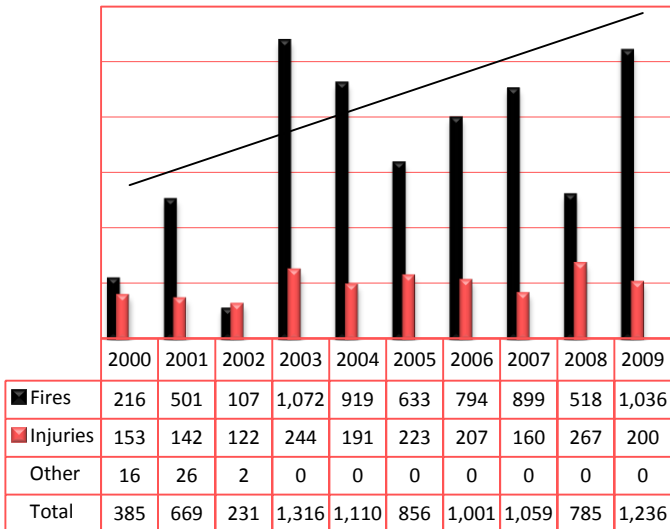
		# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss
Spokane County		48,154	8	1,006	49,168	\$12,141,976
32D01	Spokane #1, Spokane Valley	10,927	0	31	10,958	\$3,278,826
32D02	Spokane #2, Fairfield	77	0	12	89	\$0
32D03	Spokane #3, Spokane	984	0	194	1,178	\$1,608,650
32D04	Spokane #4, Deer Park	2,209	0	9	2,218	\$844,650
32D05	Spokane #5, Nine Mile Falls	0	0	0	0	\$0
32D08	Spokane #8, Valleyford	1,178	1	70	1,249	\$35,000
32D09	Spokane #9, Mead	2,783	5	57	2,845	\$684,930
32D10	Spokane #10, Airway Heights	467	0	30	497	\$622,000
32D11	Spokane #11, Rockford	39	0	8	47	\$0
32D12	Spokane #12	24	0	9	33	\$26,000
32D13	Spokane #13, Newman Lake	62	0	2	64	\$267,610
32M01	Airway Heights Fire Department	786	0	61	847	\$224,500
32M02	Cheney Fire Department	1,226	0	56	1,282	\$83,305
32M06	Medical Lake Fire Department	82	0	447	529	\$0
32M08	Rockford Fire Department	31	0	0	31	\$0
32M10	Spokane Fire Department	27,279	2	20	27,301	\$4,466,505
32S03	Spokane Tribal Volunteer Fire Department*	0	0	0	0	\$0
Stevens County		1,930	4	113	2,047	\$1,584,929
33D01	Stevens #1, Clayton	1,185	3	7	1,195	\$636,678
33D02	Stevens #2, Hunters	40	0	10	50	\$56,501
33D04	Stevens #4, Valley	274	0	4	278	\$0
33D05	Stevens #5, Addy	145	0	2	147	\$324,200
33D07	Stevens #7, Arden	73	0	76	149	\$361,550
33D09	Stevens #9, Little Pend Oreille	6	0	0	6	\$1,000
33D10	Stevens #10, Deep Lake	0	0	0	0	\$0
33D11	Stevens #11, Northport	31	0	3	34	\$0
33D12	Stevens #12	46	0	3	49	\$53,500
33M01	Chewelah Fire Department	27	0	1	28	\$24,700
33M02	Colville Fire Department	60	1	6	67	\$2,800
33M03	Kettle Falls Fire Department	43	0	1	44	\$124,000
33M04	Marcus Fire Department	0	0	0	0	\$0
33M05	Northport Fire Department	0	0	0	0	\$0
Region 9 Totals		51,198	12	1,228	52,438	\$14,239,655

*Fire agency submitted one or more no activity report or a statement of no fire activity in 2009.

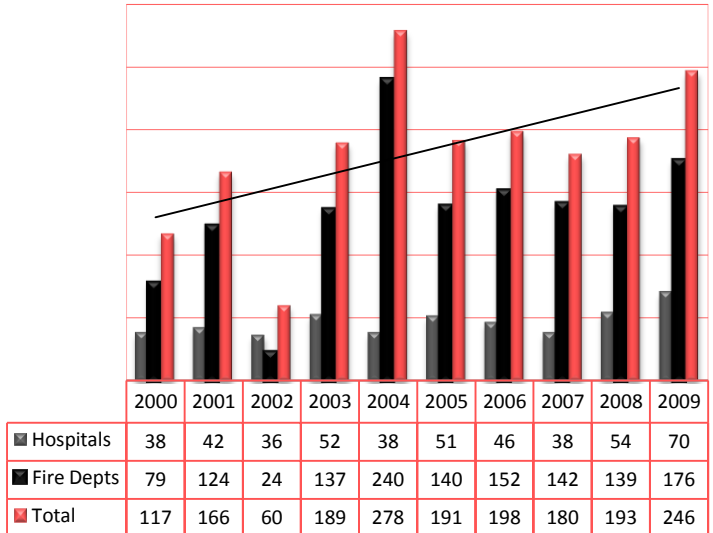
Fireworks Report

There were 1,236 firework-related injuries and/or fires reported to the Office of the State Fire Marshal in 2009 by fire departments and hospital emergency rooms. This is a 57% increase from the previous year's total of 785. Of the 1,236 reports received, there were 1,036 fires and 200 injuries. These incidents resulted in \$5.6 million in property loss. This data was collected on paper reports from individual fire departments and hospitals and is supplemented by the National Fire Incident Reporting System (NFIRS) database. Fireworks-related incidents most often occur on July 4th. This has remained constant over the past eight years.

Ten-Year Incident Trend



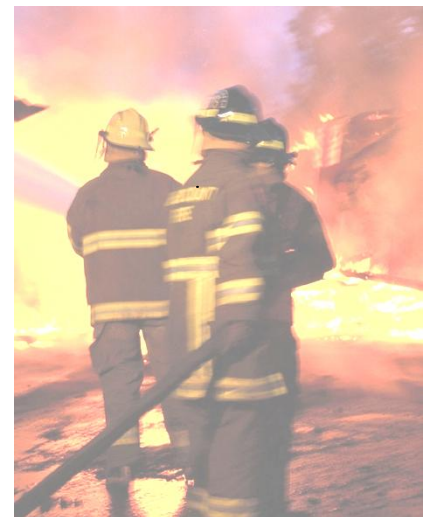
Agencies Reporting



Residential Fire Losses

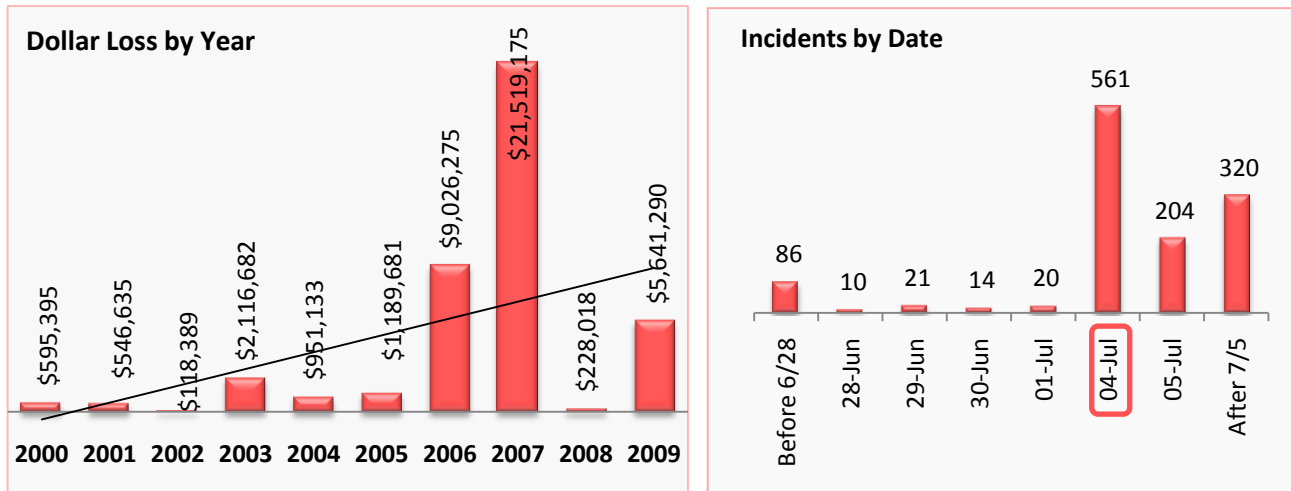
There were 89 fireworks-related residential fire incidents in Washington State during the 2009 fireworks season. Residential fires accounted for 8% of the total fires reported in 2009 and 96% of the fire loss. Several of these fires were large losses.

County	Dollar Loss	Cause	Circumstances
Snohomish	\$487,000	Malicious	Dangerously discharging fireworks.
Snohomish	\$1,500,000	Accidental	Fireworks on roof surface.
Snohomish	\$2,000,000	Accidental	Fireworks on roof surface.
Thurston	\$350,000	Accidental	Fireworks on roof surface.
Yakima	\$800,000	Accidental	8 yr old child discharging fireworks inside a structure.



The heat from spent fireworks on roof surfaces ignited the exterior roof covering in three incidents. In one incident a person was cited for dangerously discharging fireworks. In the last incident a child admitted to lighting fireworks within the structure.

Fireworks Report (Continued)



In 2009, fireworks-related fires caused an estimated loss of \$5.6 million. Illegal fireworks were identified as the cause in 105 of the fires and caused \$432,905 of the estimated dollar loss. Legal fireworks were identified in 109 of the reported fires and accounted for approximately \$14,490 of the total loss. The type of fireworks was not identified by the reporting fire department in 77% of the fire incidents (Table #1).

Table #1
Fires by Classification of Fireworks Device

Property Type	Dollar Loss				Number of Fires			
	Illegal	Legal	Unknown	Grand Total	Illegal	Legal	Unknown	Grand Total
Commercial	\$1,000	\$0	\$0	\$1,000	4	1	17	22
Residential Structure	\$390,470	\$13,040	\$4,929,915	\$5,333,425	15	9	65	89
School	\$0	\$0	\$10,000	\$10,000	2		2	4
Vehicle	\$40,000	\$0	\$300	\$40,300	6	0	12	18
Wildland or Vegetation	\$3,845	\$1,450	\$251,270	\$256,565	78	77	683	838
Unknown/Other	\$0	\$0	\$0	\$0	43	22	84	149
Grand Total	\$432,905	\$14,490	\$5,191,485	\$ 5,641,290	105	109	863	1,120

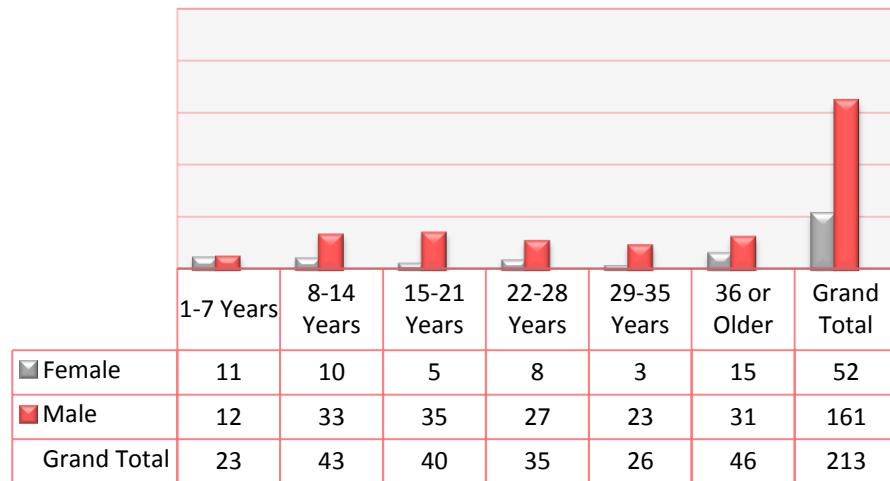
Wildland fires caused by fireworks accounted for the largest amount of fire loss at 75% of the fires and 5% of the total fire loss in 2009. Commercial fires accounted for 2% of the fires and .01% of the fire loss.

Residential fires accounted for 8% of the fires and 96% of the fire loss. Vehicle fires accounted for 2% of the fires and less than 1% of the fire loss. School fires accounted for 3% of the fires and less than 1% of the fire loss (Table #1).

Fireworks Report (Continued)

Fireworks-related injuries by age and gender show that male youth and young adults are most often injured. The lack of supervision of young children was a factor indicated in 30% of the incidents; where supervision was known. According to the Center for Disease Control, children are 11 times more likely to be injured by fireworks when they are unsupervised.

Fireworks incidents by Age and Gender



The leading type of injury reported was burn injuries, accounting for 59% of the total. The second leading injury type was trauma at 30%. (Table #2).

Table #2									
Injuries by Legal Classification of Fireworks									
Type of Injury					Place Injured				
	Illegal	Legal	Unknown	Total		Illegal	Legal	Unknown	Total
					Arm	5	2	4	11
Amputation	1	0	0	1	Hand	32	25	9	66
First Degree Burn	11	16	7	34	Head or Face	37	20	0	67
Second Degree Burn	30	22	15	67	Leg or Foot	10	13	6	29
Third Degree Burn	9	6	2	17	Multiple Locations	0	1	0	1
Trauma	36	14	9	59	Torso	4	3	3	10
None	4	9	9	22	None	3	3	10	16
Grand Total	91	67	42	200	Grand Total	91	67	42	200

Fireworks Report (Continued)

Table #3 shows the types of fireworks involved in injury incidents. Illegal fireworks were the leading class causing 91 injury incidents, or 46%. Legal fireworks were responsible for 67 incidents, or 34%.

Of the 67 incidents involving legal devices, multi-aerials caused 30%, followed by sparklers at 27%, and third were roman candles and novelties each at 10% of the incidents. Illegal devices causing injuries include Public Display Mortars at 25%, Homemade Explosive Devices at 20%, Missiles at 14%, and Bottle Rockets at 12%. In 2009, there were 9 sparkler bomb incidents. Fire service personnel should be aware that sparkler bombs are illegal explosive devices and should only be handled by a bomb squad. As shown in Table #4, the leading cause of fireworks-related injuries is “Holding” at 48 incidents, followed by “Tampering” with 14 incidents, and “Leaning” at 13 incidents.

Table #3				
Injuries by Type of Device				
	Illegal	Legal	Unknown	Total
Altered Fireworks	3	0	0	3
Bottle Rockets	11	0	0	11
Cherry Bombs	2	0	0	2
Cones and Fountains	0	5	0	5
Firecrackers and Chasers	11	0	0	11
Ground Spinners	0	4	0	4
Helicopters	0	2	0	2
Homemade Explosive Devices	18	0	0	18
M-80's	4	0	0	4
Missiles and Rockets	13	0	1	14
Multi Aerials	0	20	1	21
Novelties	0	7	0	7
Pipe Bombs	3	0	0	3
Public Display Mortars	23	1	0	24
Roman Candles	0	7	0	7
Smoke Items	0	3	0	3
Sparklers	0	18	0	18
Tennis Ball Bombs	1	0	0	1
Unknown	2	0	40	42
Grand Total	91	67	42	200

Table #4	
Cause of Injury	
	Total
Duds-relighting or handling	10
Holding fireworks in hands	48
Leaning over fireworks	13
Tampering with fireworks	14
Throwing fireworks	8
Unsafe surface for lighting	12
Other	95
Grand Total	200

As shown in Table #4, the leading cause of fireworks-related injuries is “Holding” at 48 incidents, followed by “Tampering” with 14 incidents, and “Leaning” at 13 incidents.

Fireworks Report (Continued)

The chart below provides a summary of the reports received in 2009 by county and agency type.

County	Fire Department			Fire District			Hospital	Grand Total
	Fire	Injury	Total	Fire	Injury	Total	Injuries	
Adams	0	0	0	0	1	1	0	1
Asotin	3	0	3	2	0	2	1	6
Benton	8	0	8	7	0	7	1	16
Chelan	2	0	2	3	0	3	1	6
Clallam	1	0	1	8	0	8	2	11
Clark	45	2	47	11	1	12	15	74
Columbia	0	0	0	2	0	2	0	2
Cowlitz	14	0	14	10	0	10	5	29
Douglas	0	0	0	1	0	1	0	1
Franklin	2	0	2	0	0	0	1	3
Garfield	0	0	0	1	0	1	0	1
Grant	8	0	8	10	0	10	2	20
Grays Harbor	6	0	6	3	1	4	6	16
Jefferson	0	0	0	1	0	1	1	2
King	226	0	226	76	2	78	27	331
Kitsap	17	1	18	22	2	24	5	47
Kittitas	1	0	1	2	0	2	2	5
Klickitat	2	0	2	3	0	3	0	5
Lewis	10	0	10	2	0	2	1	13
Lincoln	0	0	0	1	0	1	0	1
Mason	1	0	1	9	0	9	4	14
Okanogan	0	0	0	0	0	0	1	1
Pacific	0	0	0	3	1	4	0	4
Pend Oreille	0	0	0	2	1	3	2	5
Pierce	74	0	74	40	6	46	33	153
San Juan	0	0	0	1	0	1	0	1
Skagit	13	3	16	48	1	49	3	68
Skamania	0	0	0	1	0	1	2	3
Snohomish	66	0	66	74	10	84	34	184
Spokane	12	2	14	15	0	15	4	33
Stevens	2	0	2	3	0	3	0	5
Thurston	9	0	9	41	1	42	4	55
Walla Walla	6	0	6	5	0	5	3	14
Whatcom	1	0	1	1	2	3	0	4
Whitman	3	0	3	0	0	0	1	4
Yakima	23	0	23	73	0	73	2	98
Grand Total	555	8	563	481	29	510	163	1,236

A great way to enjoy fireworks is to attend a public display produced by trained professionals. Their shows are spectacular and safe. There are over 100 professional displays on July 4 in Washington State, and many other Independence Day activities. For more information about fireworks safety, public fireworks displays, and the fireworks laws for your area, check the Celebrate Safely website at <http://www.wsp.wa.gov/fireworks/default.htm>.

Special Recognition

The "Fire in Washington Annual Report" is a product of combined effort. The Office of the State Fire Marshal likes to recognize specific individuals and organizations that contribute to the publication of this report.

Washington Fire Chiefs continues to show leadership and support for the National Fire Incident Reporting System by promoting participation and data quality.

Washington State Fire Service members who are responsible for entering, reviewing, and reporting information to the National Fire Incident Reporting System are the key to the success of this program. Their time, effort, and commitment to accuracy is recognized and greatly appreciated.

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