

# 2010 Fire in Washington

Prepared by the  
Office of the State Fire Marshal



**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](http://www.wsp.wa.gov)

April 1, 2011

Dear Fire Service Partners and Advocates:

The "2010 Fire in Washington" Annual Report captures the emergency response experience of the Washington State Fire Service for the year of 2010. This report was generated by the Fire Protection Bureau from the data reported by fire departments to the National Fire Incident Reporting System (NFIRS).

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

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

Sincerely,

  
CHIEF JOHN R. BATISTE





STATE OF WASHINGTON  
WASHINGTON STATE PATROL

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

April 1, 2011

Dear Fire Service Partners:

The "2010 Fire in Washington" Annual Report is presented as a summary of the emergency response information reported by 84% 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 claimed the lives of 67 people.
- Fires resulting in excess of \$215 million of property and content loss.
- More than 20,000 fire incidents.
- Over 615,000 total incidents.
- More than 443,000 rescue and emergency medical service incidents.
- 575 injuries related to the use of fireworks.

The National Fire Incident Reporting System enables fire agencies to collect and share information in a standardized format across jurisdiction lines. Decision makers at the local, state, and national levels are able to access the information to help support fire service initiatives designed at increasing public safety.

The dedication that our state's fire service organizations and associations are demonstrating toward the NFIRS program is admirable. Be assured that your contributions are creating a safer Washington.

Sincerely,

A handwritten signature in blue ink that reads "C.M. Duffly".

State Fire Marshal Charles M. Duffly





April 1, 2011

Dear Fire Service Leaders of Washington State:

The Washington Fire Chiefs is proud to continue its support for 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. In this age of benchmarking and analyzing data, the fire service must stand up and be counted among the entities that reports, tracks, and measures performance. That is what NFIRS is all about. It provides information for fire service leaders to make decisions critical to ongoing operational needs.

We thank the fire agencies that contributed information for inclusion in the 2010 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.

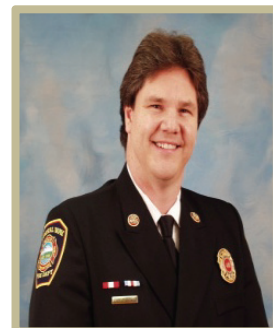
The Washington Fire Chiefs values the partnership we have developed with the Office of the State Fire Marshal. We thank you for making this cooperative effort to assemble a scientific perspective of our fire incidents a priority. This is what helps to make Washington State a great community to live in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

Together We Serve, Educate and Lead!

Sincerely,

A handwritten signature in black ink, appearing to read "Allen D. Church", written over a white background.

Fire Chief/Administrator Allen D. Church  
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.

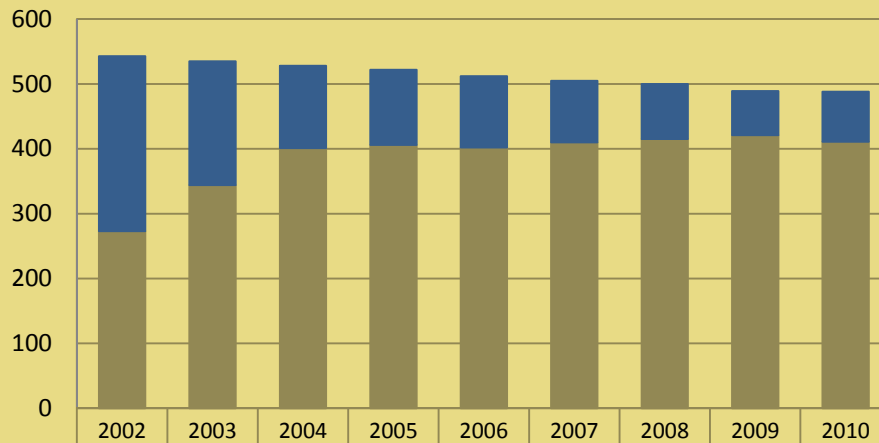
This report provides an overview of all incident categories reported, with fire information in 2010 as the primary focus. The statistical reports are generated from the United States Fire Administration web site based on NFIRS 5.0 data reported from the Washington State Fire Service. Where necessary, information from secondary sources is used to provide more in-depth analysis and clarity. Figures presented may vary slightly based on the day the summary report was generated. Any data submitted after the summary reports were generated are not reflected in this publication.

## Participation

RCW 43.44.060 states that fire agencies are required to submit fire incidents to the 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. This program is an all-incident reporting system that enables every fire agency to document incidents electronically in a uniform format. In Washington, some agencies report only fires, while the majority of the agencies report all incident activity.

The chart below provides the number of agencies that submitted data for inclusion in the published *Fire in Washington Annual Reports* since 2002. In 2010, participation decreased 2% compared to the previous year with 411 out of 488 fire agencies providing information.

### NFIRS 5.0 Participation in Washington State



% of Reporting	50%	64%	76%	78%	79%	81%	83%	86%	84%
Total Agencies	543	535	528	522	512	505	500	489	488
# of Agencies not Reporting	270	191	127	116	110	95	85	68	77
Agencies Reporting	273	344	401	406	402	410	415	421	411

# Washington Fire Clock

## Frequency of Responses as Reported in 2010

Based on NFIRS data only.





## Incident Overview

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

In 2010, fire agencies in Washington State reported over 615,000 incidents to NFIRS. More than 20,000 fire incidents were reported, incidents that resulted in 67 fire fatalities, and caused an estimated \$215 million in property and content loss. Dollar loss estimates are calculated by fire service personnel, and are not reflective of insurance settlements or actual total loss. Fire agencies are encouraged to be as accurate as possible when documenting dollar loss because the figures are intended to provide insight into the financial impact fire has on our communities.

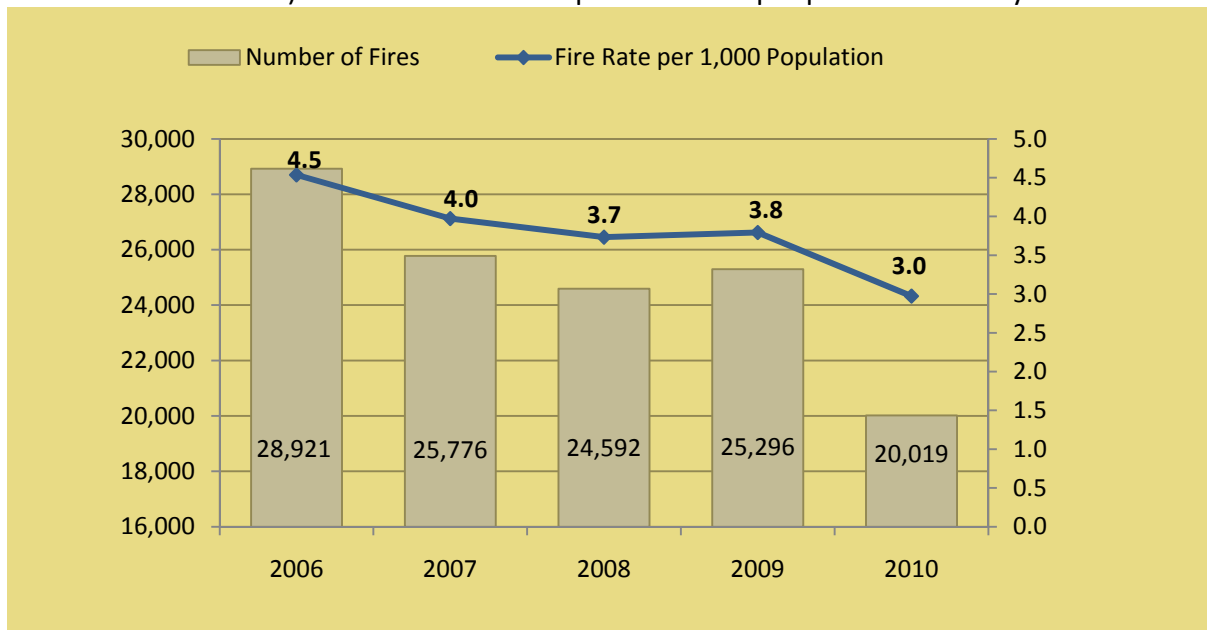
Rescue and emergency medical service was the leading incident type category reported, representing nearly 72% of the total. This figure is based only on NFIRS data. There were over 40,000 false alarms and false calls reported in 2010. This category included all malicious or mischievous false alarms, as well as fire protection system malfunctions and unintentional false fire protection activations.

### 2010 Incident Type Category Summary (Sorted by Dollar Loss)

Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss	% of Total Loss
Fire	20,019	3.3%	\$215,429,333	95.8%
<i>Structure Fires (including confined fires)</i>	6,784	1.1%	\$176,043,129	78.3%
<i>Natural Vegetation Fires</i>	4,202	0.7%	\$18,842,637	8.4%
<i>Vehicle Fires (Mobile Properties)</i>	3,496	0.6%	\$15,973,245	7.1%
<i>Fixed Mobile Property Fires</i>	261	0.0%	\$2,811,031	1.2%
<i>Fire, Other</i>	1,133	0.2%	\$1,060,274	0.5%
<i>Cultivated Vegetation Fires</i>	172	0.0%	\$300,775	0.1%
<i>Outside Storage &amp; Equipment Fires</i>	1,032	0.2%	\$243,259	0.1%
<i>Outside Rubbish Fires</i>	2,939	0.5%	\$154,983	0.1%
Overpressure Rupture, Explosion, Overheat (No Fire)	1,189	0.2%	\$5,070,504	2.3%
Rescue and Emergency Medical Service	443,008	72.0%	\$2,498,370	1.1%
Service Calls	40,650	6.6%	\$715,000	0.3%
Hazardous Conditions (No Fire)	11,785	1.9%	\$573,505	0.3%
Other Types of Incidents	6,572	1.1%	\$283,500	0.1%
False Alarms & False Calls	40,284	6.5%	\$281,947	0.1%
<i>Unintentional False Fire Protection System Activation</i>	20,752	3.4%	\$203,230	0.1%
<i>Fire Protection System Malfunction</i>	11,136	1.8%	\$78,002	0.0%
<i>Malicious or Mischievous False Alarm</i>	8,396	1.4%	\$715	0.0%
Good Intent Calls	51,032	8.3%	\$37,820	0.0%
Severe Weather & Natural Disaster	913	0.1%	\$7,350	0.0%
Undetermined Type of Incident	16	0.0%	\$0	0.0%
Grand Total	615,468	100.0%	\$224,897,329	100.0%

## Fire History

In the past five years, fire service agencies have reported over 124,000 fire incidents to the Office of the State Fire Marshal. In these fires, 289 people have lost their lives and more than \$1.1 billion of property and content have been lost. In 2010, the number of fires reported decreased 20% compared to the previous year. (Note: A 2% decrease in participating fire agencies may account for some of the decrease) The number of fires per thousand people decreased by .8 in 2010.



Over the past five years, **structure fires** were the leading fire incident type reported. Structure fires accounted for approximately 30% of the fires reported, 85% of the estimated dollar loss, and approximately 73% of the fire fatalities. Statewide, structure fires average approximately 1.2 fires per thousand people. Structure fires include buildings or other types of structures, and fires confined to non-combustible containers such as food on stoves, chimneys or flues, boilers, trash receptacles, or commercial compactors.

**Natural vegetation fires** were the second leading type of fire reported over the past five years, accounting for 25% of total. During that same time period dollar loss was estimated at \$27 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 16% of the total fires reported and more than \$102 million in loss.

**Fixed mobile property fires** include mobile homes, recreational vehicles (RV) or trailers used as residences, and other portable buildings used in a fixed location. These fires accounting for approximately 1% of all fires and dollar loss reported over the past five years. In that same time period, 19 people lost their lives in recreational vehicles or trailers.

**Outside storage and equipment fires** include mailboxes, gas or vapor combustion explosions without sustained fire, and other types of special outside fires. These fires account approximately 5% of the fires reported over the past five years and resulted in more than \$6.6 million in loss.

## Fire History (Continued)

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

The **fire, other** category is used when a more specific fire incident type is not available to describe the incident. Nearly 6% 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 73% of the fires in this category were the burning of trash or other waste not in a container or receptacle.

### 2006 – 2010 Fire Incident Type by Category (Five-year total sorted by dollar loss)

Incident Type Category	2006	2007	2008	2009	2010	Grand Total
<b>Structure Fires (including confined fires)</b>						
<i># of Incidents</i>	8,251	7,856	7,905	7,550	6,784	38,346
<i>Dollar Loss</i>	\$190,338,707	\$179,914,395	\$198,657,505	\$253,074,285	\$176,043,129	\$998,028,021
<b>Vehicle Fires (Mobile Properties)</b>						
<i># of Incidents</i>	4,747	4,341	4,017	3,921	3,496	20,522
<i>Dollar Loss</i>	\$14,815,361	\$36,470,163	\$21,258,129	\$13,737,954	\$15,973,245	\$102,254,852
<b>Natural Vegetation Fires</b>						
<i># of Incidents</i>	7,512	6,373	5,970	7,696	4,202	31,753
<i>Dollar Loss</i>	\$1,255,935	\$2,086,609	\$2,511,096	\$2,567,174	\$18,842,637	\$27,263,451
<b>Fixed Mobile Property Fires</b>						
<i># of Incidents</i>	315	301	306	310	261	1,493
<i>Dollar Loss</i>	\$3,085,443	\$3,148,648	\$2,676,363	\$3,554,617	\$2,811,031	\$15,276,102
<b>Outside Storage &amp; Equipment Fires</b>						
<i># of Incidents</i>	1,550	1,257	1,399	1,375	1,032	6,613
<i>Dollar Loss</i>	\$1,461,158	\$2,469,389	\$781,463	\$1,703,105	\$243,259	\$6,658,374
<b>Cultivated Vegetation Fires</b>						
<i># of Incidents</i>	165	191	170	187	172	885
<i>Dollar Loss</i>	\$436,850	\$999,124	\$1,296,935	\$1,791,412	\$300,775	\$4,825,096
<b>Fire, Other</b>						
<i># of Incidents</i>	2,348	1,935	1,209	1,270	1,133	7,895
<i>Dollar Loss</i>	\$732,178	\$744,361	\$588,123	\$587,524	\$1,060,274	\$3,712,460
<b>Outside Rubbish Fires</b>						
<i># of Incidents</i>	4,033	3,522	3,616	3,319	2,939	17,429
<i>Dollar Loss</i>	\$377,808	\$390,872	\$620,676	\$208,151	\$154,983	\$1,752,490
<b>Total # of Incidents</b>	<b>28,921</b>	<b>25,776</b>	<b>24,592</b>	<b>25,628</b>	<b>20,019</b>	<b>124,936</b>
<b>Total Dollar Loss</b>	<b>\$212,503,440</b>	<b>\$226,223,561</b>	<b>\$228,390,290</b>	<b>\$277,224,222</b>	<b>\$215,429,333</b>	<b>\$1,159,770,846</b>

## Fires by Heat Source

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

**Operating Equipment** remains the leading known heat source, accounting for over 27% of the fires and nearly 24% of the dollar loss reported between 2006 and 2010. Operating equipment includes sparks, embers, or flames from operating equipment, radiated or conducted heat from operating equipment, and electrical arcing.

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

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

**Undetermined** heat source category is used when the specific heat source cannot be identified, and is the category that fire investigation standards recommended when a definitive cause cannot be identified. Of the heat sources reported over the past five years, approximately 34% were reported as undetermined. In some cases, causes are determined after data has been submitted and the revised findings are not updated in the NFIRS reports. Fire agencies are encouraged to resubmit as more accurate information is entered at the local level.

### 2006 – 2010 Heat Source Categories (Fire-year total sorted by dollar loss)

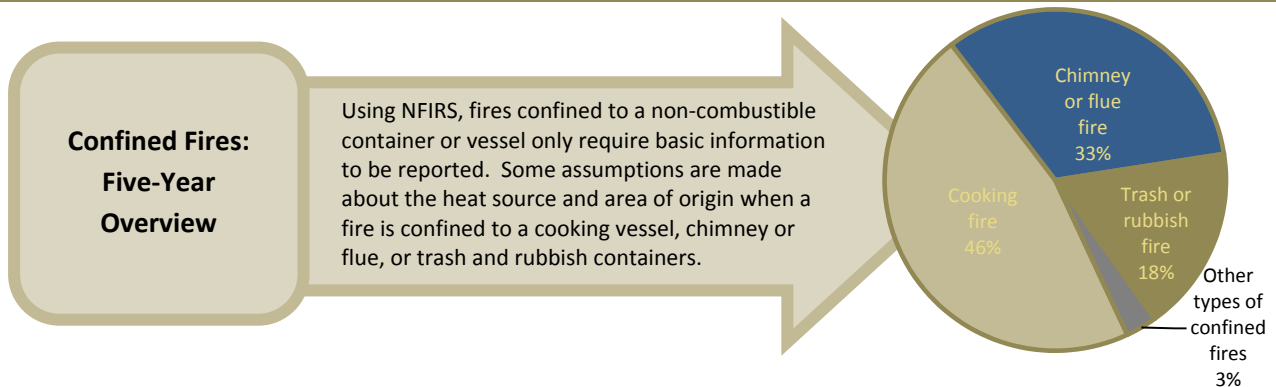
Heat Source Categories		2006	2007	2008	2009	2010	5 - Year Total
<b>Undetermined</b>	<i># of Incidents</i>	5,352	5,310	5,601	6,077	4,908	27,248
	<i>Dollar Loss</i>	\$100,769,604	\$82,494,753	\$89,607,308	\$134,062,636	\$95,094,247	\$502,028,548
<b>Operating Equipment</b>	<i># of Incidents</i>	4,216	4,169	4,696	4,624	4,226	21,931
	<i>Dollar Loss</i>	\$52,015,748	\$50,557,470	\$53,729,939	\$66,114,088	\$47,707,974	\$270,125,219
<b>Open Flame or Smoking Material</b>	<i># of Incidents</i>	2,429	2,015	2,237	2,423	1,884	10,988
	<i>Dollar Loss</i>	\$20,004,680	\$19,181,008	\$33,686,183	\$28,898,973	\$17,601,429	\$119,372,273
<b>Hot or Smoldering Object</b>	<i># of Incidents</i>	2,005	1,806	2,104	2,167	1,658	9,740
	<i>Dollar Loss</i>	\$15,391,945	\$27,978,029	\$20,682,558	\$23,837,951	\$16,808,308	\$104,698,791
<b>Explosives and Fireworks</b>	<i># of Incidents</i>	588	553	457	796	366	2,760
	<i>Dollar Loss</i>	\$7,013,198	\$22,597,854	\$1,844,440	\$5,474,275	\$4,264,657	\$41,194,424
<b>Heat Source Other</b>	<i># of Incidents</i>	679	689	845	782	705	3,700
	<i>Dollar Loss</i>	\$3,956,766	\$10,729,040	\$15,619,135	\$4,697,053	\$5,512,350	\$40,514,344
<b>Heat Spread from Another Fire</b>	<i># of Incidents</i>	258	332	421	540	426	1,977
	<i>Dollar Loss</i>	\$6,826,812	\$6,575,619	\$4,684,607	\$5,141,773	\$13,810,316	\$37,039,127
<b>Chemical or Natural</b>	<i># of Incidents</i>	247	223	267	308	207	1,252
	<i>Dollar Loss</i>	\$2,542,120	\$2,899,319	\$3,239,026	\$4,976,871	\$2,228,818	\$15,886,154
<b>Multiple Heat Sources</b>	<i># of Incidents</i>	74	65	81	70	61	351
	<i>Dollar Loss</i>	\$1,446,700	\$369,175	\$2,916,400	\$376,804	\$2,434,354	\$7,543,433
Total # of Incidents		15,848	15,162	16,709	17,787	14,441	79,947
Total Dollar Loss		\$209,967,573	\$223,382,267	\$226,009,596	\$273,580,424	\$205,462,453	\$1,138,402,313

## 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.

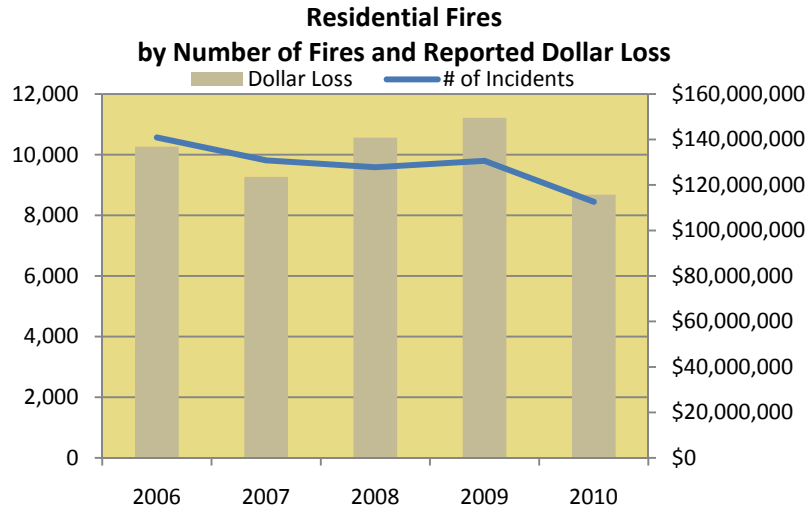
The leading areas of origin reported between 2006 and 2010 are those fires starting in outside areas (32%) and in vehicle areas (22%). Fires that started in functional areas resulted in the greatest amount of dollar loss to property and contents. Bedrooms, dining or eating areas, kitchens, bathrooms, 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 \$235 million in loss over the past five years.

Area of Origin by Category		2006	2007	2008	2009	2010	5 - Year Total (sorted by dollar loss)
Functional Areas	# of Incidents	2,120	2,266	2,684	2,763	2,663	12,496
	Dollar Loss	\$44,355,899	\$46,128,192	\$56,560,934	\$50,080,376	\$45,313,717	\$242,439,118
Structural Areas	# of Incidents	1,146	1,062	1,196	1,181	1,016	5,601
	Dollar Loss	\$53,106,039	\$41,524,801	\$38,172,096	\$72,834,800	\$29,422,241	\$235,059,977
Storage Areas	# of Incidents	703	685	712	749	678	3,527
	Dollar Loss	\$26,646,859	\$32,001,643	\$35,890,244	\$39,933,787	\$25,574,813	\$160,047,346
Undetermined	# of Incidents	1,311	1,243	1,291	1,415	1,192	6,452
	Dollar Loss	\$30,842,947	\$24,380,707	\$21,956,758	\$41,533,962	\$34,714,394	\$153,428,768
Outside Areas	# of Incidents	5,102	4,617	5,494	6,514	4,225	25,952
	Dollar Loss	\$9,674,678	\$28,549,922	\$22,890,540	\$12,266,040	\$19,952,535	\$93,333,715
Vehicle Areas	# of Incidents	4,069	3,749	3,527	3,421	3,109	17,875
	Dollar Loss	\$12,568,839	\$13,910,502	\$17,834,365	\$13,331,508	\$16,299,305	\$73,944,519
Areas for Groups of People (Assembly)	# of Incidents	272	317	299	324	285	1,497
	Dollar Loss	\$11,499,517	\$19,683,021	\$7,476,305	\$16,144,094	\$15,050,918	\$69,853,855
Service or Equipment Areas	# of Incidents	418	447	557	505	439	2,366
	Dollar Loss	\$11,346,443	\$9,097,239	\$16,312,682	\$9,060,486	\$6,477,920	\$52,294,770
Exit/Exit Access/Exit Discharge Areas	# of Incidents	173	207	205	219	194	998
	Dollar Loss	\$4,677,536	\$4,086,310	\$4,740,582	\$4,787,091	\$9,471,102	\$27,762,621
Other Areas of Origin	# of Incidents	496	519	704	643	593	2,955
	Dollar Loss	\$2,135,956	\$2,551,482	\$2,839,671	\$10,653,280	\$1,819,972	\$20,000,361
Technical Processing Areas	# of Incidents	38	49	40	54	47	228
	Dollar Loss	\$3,112,860	\$1,468,448	\$1,339,919	\$2,955,000	\$1,365,536	\$10,241,763
Total # of Incidents		15,848	15,161	16,709	17,788	14,441	79,947
Total Dollar Loss		\$209,967,573	\$223,382,267	\$226,014,096	\$273,580,424	\$205,462,453	\$1,138,406,813



## 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, 70% of the fire fatalities in Washington State occurred in residential properties. As categorized by NFIRS, residential properties include one- and two-family dwellings, multi-family dwellings, board and care facilities, hotel/motel, college housing, barracks, and dormitories.



Residential Property Use Category		2006	2007	2008	2009	2010	Grand Total
1 or 2 Family Dwelling	# of Incidents	7,827	7,342	7,238	7,409	6,264	36,080
	Dollar Loss	\$96,552,139	\$99,003,736	\$111,980,745	\$105,223,685	\$92,042,739	\$504,803,044
Multi-family dwelling	# of Incidents	2,018	1,780	1,686	1,711	1,601	8,796
	Dollar Loss	\$23,357,790	\$19,619,352	\$25,456,586	\$37,345,662	\$19,829,651	\$125,609,041
Other Residential Uses	# of Incidents	722	689	662	674	580	3,327
	Dollar Loss	\$16,933,651	\$4,922,677	\$3,317,511	\$6,913,262	\$3,833,293	\$35,920,394
Total # of Incidents		10,567	9,811	9,586	9,794	8,445	48,203
Total Dollar Loss		\$136,843,580	\$123,545,765	\$140,754,842	\$149,482,609	\$115,705,683	\$666,332,479

Property Use Category		2006	2007	2008	2009	2010	Grand Total
Structure Fires (including confined fires)	# of Incidents	6,381	6,021	6,177	5,999	5,385	29,963
	Dollar Loss	\$132,818,080	\$118,702,448	\$136,132,557	\$144,494,287	\$111,805,048	\$643,952,420
Fixed Mobile Property Fires	# of Incidents	203	194	168	181	167	913
	Dollar Loss	\$2,397,153	\$2,706,573	\$2,132,707	\$2,860,917	\$2,290,119	\$12,387,469
Vehicle Fires (Mobile Properties)	# of Incidents	337	319	323	370	318	1,667
	Dollar Loss	\$976,640	\$1,269,796	\$1,605,535	\$1,513,740	\$1,184,706	\$6,550,417
Fire, Other	# of Incidents	912	845	539	571	543	3,410
	Dollar Loss	\$504,952	\$412,391	\$408,196	\$428,821	\$276,145	\$2,030,505
Natural Vegetation Fires	# of Incidents	1,079	934	864	1,175	612	4,664
	Dollar Loss	\$64,331	\$265,038	\$242,594	\$70,656	\$42,530	\$685,149
Outside Storage & Equipment Fires	# of Incidents	261	195	209	255	225	1,145
	Dollar Loss	\$60,501	\$142,457	\$191,240	\$53,185	\$69,575	\$516,958
Outside Rubbish Fires	# of Incidents	1,377	1,282	1,293	1,227	1,181	6,360
	Dollar Loss	\$18,723	\$44,696	\$41,813	\$53,303	\$35,460	\$193,995
Cultivated Vegetation Fires	# of Incidents	17	21	13	16	14	81
	Dollar Loss	\$3,200	\$2,366	\$200	\$7,700	\$2,100	\$15,566
Total # of Incidents		10,567	9,811	9,586	9,794	8,445	48,203
Total Dollar Loss		\$136,843,580	\$123,545,765	\$140,754,842	\$149,482,609	\$115,705,683	\$666,332,479

## Automatic Extinguishing Systems

Automatic Extinguishing Systems (AES) include any system designed to provide fire control and/or life safety. The information below provides insight into the effectiveness of the AES when the fire agency reported the system to be present or partially present.

Present or Partial System Present		2006	2007	2008	2009	2010	Grand Total
System operated and was effective	# of Incidents	106	109	127	116	59	517
	Dollar Loss	\$5,453,046	\$3,439,559	\$2,457,254	\$7,583,994	\$725,784	\$19,659,637
System operated and was not effective	# of Incidents	8	8	12	8	5	41
	Dollar Loss	\$10,617,625	\$1,112,000	\$2,031,600	\$1,257,500	\$1,061,000	\$16,079,725
System did not operate	# of Incidents	22	36	28	28	15	129
	Dollar Loss	\$385,800	\$2,198,670	\$9,056,800	\$677,625	\$119,850	\$12,438,745
Undetermined	# of Incidents	41	62	54	38	16	211
	Dollar Loss	\$244,170	\$908,960	\$3,353,408	\$1,653,410	\$3,041,510	\$9,201,458
Fire too small to activate system	# of Incidents	108	169	178	184	110	749
	Dollar Loss	\$307,580	\$2,149,277	\$1,274,678	\$436,732	\$334,161	\$4,502,428
Not Reported	# of Incidents	75	81	80	69	45	350
	Dollar Loss	\$566,418	\$648,428	\$1,092,755	\$1,286,100	\$192,160	\$3,785,861
Operation of AES, other	# of Incidents	5	2	2	3	1	13
	Dollar Loss	\$330,500	\$1,100,500	\$0	\$7,500	\$0	\$1,438,500
Total # of Incidents		365	467	481	446	251	2,010
Total Dollar Loss		\$17,905,139	\$11,557,394	\$19,266,495	\$12,902,861	\$5,474,465	\$67,106,354

Failure of AES		2006	2007	2008	2009	2010	Grand Total
Fire not in area protected by the system	# of Incidents	15	13	18	11	5	62
	Dollar Loss	\$762,275	\$822,050	\$8,684,800	\$1,258,200	\$942,500	\$12,469,825
Undetermined	# of Incidents	4	18	10	14	8	54
	Dollar Loss	\$25,225	\$181,555	\$107,500	\$23,600	\$3,017,600	\$3,355,480
Not enough agent discharged to control the fire	# of Incidents	1	0	3	0	0	4
	Dollar Loss	\$250	\$0	\$1,361,000	\$0	\$0	\$1,361,250
System shut off	# of Incidents	1	2	2	1	0	6
	Dollar Loss	\$265,000	\$505,000	\$151,000	\$350,000	\$0	\$1,271,000
Reason system not effective, other	# of Incidents	3	9	6	7	3	28
	Dollar Loss	\$150	\$399,900	\$110,600	\$86,400	\$0	\$597,050
Manual intervention defeated the system	# of Incidents	2	3	1	4	1	11
	Dollar Loss	\$0	\$301,515	\$0	\$170,000	\$0	\$471,515
Inappropriate system for the type of fire	# of Incidents	0	2	1	0	1	4
	Dollar Loss	\$0	\$350,000	\$0	\$0	\$0	\$350,000
Agent discharged, but did not reach the fire	# of Incidents	1	0	1	0	1	3
	Dollar Loss	\$0	\$0	\$25,000	\$0	\$5,500	\$30,500
Lack of maintenance, including corrosion or heads painted	# of Incidents	0	1	2	0	1	4
	Dollar Loss	\$0	\$500	\$10,000	\$0	\$8,500	\$19,000
System components damaged	# of Incidents	0	2	0	2	0	4
	Dollar Loss	\$0	\$5,500	\$0	\$12,000	\$0	\$17,500
Total # of Incidents		27	50	44	39	20	180
Total Dollar Loss		\$1,052,900	\$2,566,020	\$10,449,900	\$1,900,200	\$3,974,100	\$19,943,120





## Cause of Ignition

The cause of ignition is useful in determining the factors that lead up to fire ignition. The table below illustrates the causes of ignition reported through the Fire 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.

Cause of Ignition		2006	2007	2008	2009	2010	Grand Total
Unintentional	# of Incidents	6,289	5,971	6,994	7,737	6,228	33,219
	Dollar Loss	\$81,980,817	\$76,763,506	\$87,601,386	\$89,932,030	\$61,464,769	\$397,742,508
Cause under investigation	# of Incidents	1,313	1,321	1,387	1,563	1,243	6,827
	Dollar Loss	\$44,514,118	\$61,384,099	\$64,937,975	\$92,823,426	\$66,201,503	\$329,861,121
Failure of equipment or heat source	# of Incidents	2,552	2,416	2,528	2,464	2,255	12,215
	Dollar Loss	\$20,700,310	\$19,942,327	\$23,951,195	\$51,184,996	\$23,168,652	\$138,947,480
Intentional	# of Incidents	2,138	2,045	2,288	2,333	2,007	10,811
	Dollar Loss	\$27,182,715	\$35,085,045	\$21,490,262	\$11,587,439	\$17,888,205	\$113,233,666
Cause undetermined after investigation	# of Incidents	2,220	2,222	2,222	2,494	1,910	11,068
	Dollar Loss	\$19,711,799	\$21,174,643	\$22,528,399	\$22,954,311	\$26,519,826	\$112,888,978
Cause Other	# of Incidents	1,106	982	1,038	855	574	4,555
	Dollar Loss	\$14,689,014	\$7,336,254	\$5,037,609	\$3,534,170	\$9,888,534	\$40,485,581
Act of nature	# of Incidents	231	206	254	339	222	1,252
	Dollar Loss	\$1,188,800	\$496,393	\$467,770	\$1,564,052	\$330,964	\$4,047,979
Total # of Incidents		15,849	15,163	16,711	17,785	14,439	79,947
Total Dollar Loss		\$209,967,573	\$222,182,267	\$226,014,596	\$273,580,424	\$205,462,453	\$1,137,207,313

## 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.

Intentionally Set by Property Use Category		2006	2007	2008	2009	2010	Grand Total
Residential	# of Incidents	514	494	701	659	649	3,017
	Dollar Loss	\$23,430,083	\$5,596,844	\$14,811,166	\$6,812,263	\$6,333,533	\$56,983,889
Utility, Defense, Agriculture, & Mining	# of Incidents	38	36	40	43	42	199
	Dollar Loss	\$85,000	\$20,975,600	\$28,000	\$71,400	\$58,750	\$21,218,750
Storage	# of Incidents	66	58	52	46	52	274
	Dollar Loss	\$643,326	\$4,305,893	\$250,375	\$1,458,275	\$3,398,891	\$10,056,760
Assembly	# of Incidents	50	53	50	60	57	270
	Dollar Loss	\$173,010	\$1,274,805	\$3,037,005	\$86,660	\$4,091,207	\$8,662,687
Mercantile & Business	# of Incidents	52	64	53	54	50	273
	Dollar Loss	\$933,670	\$168,600	\$1,332,308	\$748,960	\$2,746,207	\$5,929,745
Outside or Special Properties	# of Incidents	905	840	911	1,015	753	4,424
	Dollar Loss	\$808,022	\$850,149	\$1,618,221	\$1,412,842	\$739,869	\$5,429,103
Educational	# of Incidents	63	64	82	69	58	336
	Dollar Loss	\$631,979	\$1,628,930	\$90,365	\$78,229	\$70,917	\$2,500,420
Health Care, Detention & Corrections	# of Incidents	13	9	11	12	9	54
	Dollar Loss	\$130,505	\$14,870	\$6,100	\$721,126	\$350,050	\$1,222,651
Other Property Use	# of Incidents	73	68	73	53	42	309
	Dollar Loss	\$326,990	\$184,518	\$284,499	\$165,270	\$89,450	\$1,050,727
Undetermined	# of Incidents	344	331	294	301	252	1,522
	Dollar Loss	\$11,130	\$63,686	\$10,223	\$14,914	\$8,831	\$108,784
None	# of Incidents	11	20	17	15	8	71
	Dollar Loss	\$9,000	\$21,050	\$21,500	\$6,000	\$0	\$57,550
Manufacturing	# of Incidents	6	8	4	7	4	29
	Dollar Loss	\$0	\$100	\$500	\$6,000	\$0	\$6,600
Total # of Incidents		2,135	2,045	2,288	2,334	1,976	10,778
Total Dollar Loss		\$27,182,715	\$35,085,045	\$21,490,262	\$11,581,939	\$17,887,705	\$113,227,666



## 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 2010, approximately 86% of the incidents and 74% of the dollar loss reported as a result of fire occurred in the most densely populated counties.

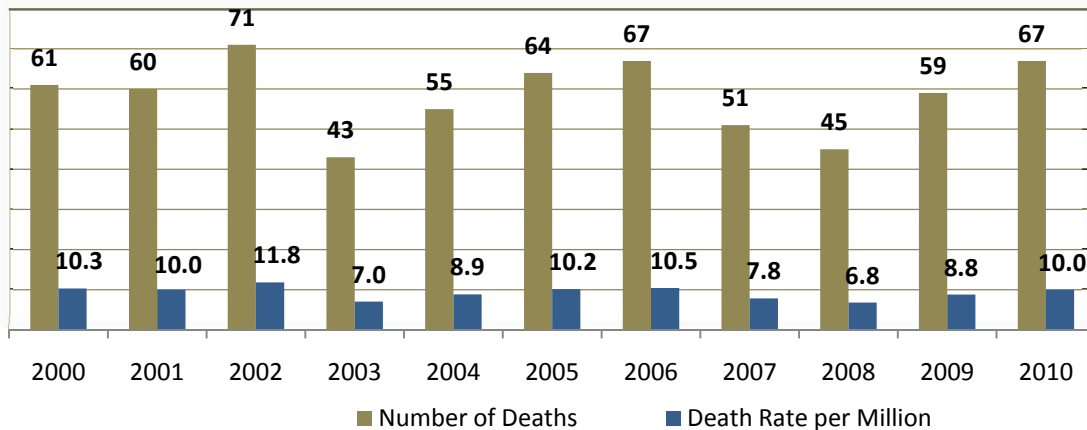
Estimated Population	11 Counties with Populations Over 100,000		28 Counties with Populations Under 100,000		Statewide	
	5,592,500	83.1%	1,140,750	16.9%	6,733,250	
Incident Types by Category	# of Incidents	% of Total Incidents	# of Incidents	% of Total Incidents	# of Incidents	% of Total Incidents
<b>Rescue and Emergency Medical Service</b>	<b>382,049</b>	<b>62.1%</b>	<b>60,959</b>	<b>9.9%</b>	<b>443,008</b>	<b>72.0%</b>
<b>Good Intent Calls</b>	<b>44,653</b>	<b>7.3%</b>	<b>6,379</b>	<b>1.0%</b>	<b>51,032</b>	<b>8.3%</b>
<b>Service Calls</b>	<b>35,954</b>	<b>5.8%</b>	<b>4,696</b>	<b>0.8%</b>	<b>40,650</b>	<b>6.6%</b>
<b>False Alarms &amp; False Calls</b>	<b>35,251</b>	<b>5.7%</b>	<b>5,033</b>	<b>0.8%</b>	<b>40,284</b>	<b>6.5%</b>
<i>Fire Protection System Malfunction</i>	9,982	1.6%	1,154	0.2%	11,136	1.8%
<i>Malicious or Mischievous False Alarm</i>	7,053	1.1%	1,343	0.2%	8,396	1.4%
<i>Unintentional False Fire Protection System Activation</i>	18,216	3.0%	2,536	0.4%	20,752	3.4%
<b>Fire</b>	<b>14,640</b>	<b>2.4%</b>	<b>5,379</b>	<b>0.9%</b>	<b>20,019</b>	<b>3.3%</b>
<i>Cultivated Vegetation Fires</i>	50	0.0%	122	0.0%	172	0.0%
<i>Fire, Other</i>	770	0.1%	363	0.1%	1,133	0.2%
<i>Fixed Mobile Property Fires</i>	166	0.0%	95	0.0%	261	0.0%
<i>Natural Vegetation Fires</i>	2,758	0.4%	1,444	0.2%	4,202	0.7%
<i>Outside Rubbish Fires</i>	2,234	0.4%	705	0.1%	2,939	0.5%
<i>Outside Storage &amp; Equipment Fires</i>	826	0.1%	206	0.0%	1,032	0.2%
<i>Structure Fires (including confined fires)</i>	5,156	0.8%	1,628	0.3%	6,784	1.1%
<i>Vehicle Fires (Mobile Properties)</i>	2,680	0.4%	816	0.1%	3,496	0.6%
<b>Hazardous Conditions (No Fire)</b>	<b>9,869</b>	<b>1.6%</b>	<b>1,916</b>	<b>0.3%</b>	<b>11,785</b>	<b>1.9%</b>
<b>Other Types of Incidents</b>	<b>4,492</b>	<b>0.7%</b>	<b>2,080</b>	<b>0.3%</b>	<b>6,572</b>	<b>1.1%</b>
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>	<b>1,040</b>	<b>0.2%</b>	<b>149</b>	<b>0.0%</b>	<b>1,189</b>	<b>0.2%</b>
<b>Severe Weather &amp; Natural Disaster</b>	<b>642</b>	<b>0.1%</b>	<b>271</b>	<b>0.0%</b>	<b>913</b>	<b>0.1%</b>
<b>Undetermined Type of Incident</b>	<b>11</b>	<b>0.0%</b>	<b>5</b>	<b>0.0%</b>	<b>16</b>	<b>0.0%</b>
<b>Total Number of Incidents</b>	<b>528,601</b>	<b>85.9%</b>	<b>86,867</b>	<b>14.1%</b>	<b>615,468</b>	<b>100.0%</b>
<b>Dollar Loss as a Result of Fire</b>	<b>\$159,978,448</b>	<b>74.3%</b>	<b>\$55,450,885</b>	<b>25.7%</b>	<b>\$215,429,333</b>	<b>100.0%</b>



■ Counties with populations greater than 100,000

## Fire Fatalities

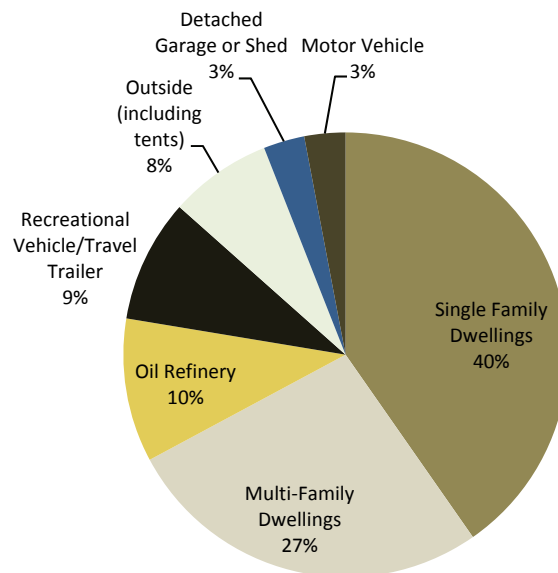
In 2010, fire agencies reported 67 fire fatalities to the Office of the State Fire Marshal. Compared to the previous year, fire fatalities increased 14%, raising the rate in Washington State to 10.0 fire deaths per million people. According to the latest available statistics from the United States Fire Administration (2007 figures), the national fire death rate was 13.2 per million people. Washington State ranked 14<sup>th</sup> lowest in the nation.



## Places Fire Fatalities Occurred in 2010

Fire fatalities occur most frequently where people sleep. In 2010, nearly 67% of the fire fatalities occurred in residential dwellings, and another 9% occurred in recreational vehicles or travel trailers. Of the deaths that occurred in single family dwellings, approximately 22% were classified as mobile homes.

Occupancy Categories	Total	% of Total
Single Family Dwellings	27	40.3%
Multi-Family Dwellings	18	26.9%
Oil Refinery	7	10.4%
Recreational Vehicle/Travel Trailer	6	9.0%
Outside (including tents)	5	7.5%
Detached Garage or Shed	2	3.0%
Motor Vehicle	2	3.0%
Grand Total	67	100.0%



## 2010 Fire Fatality Causes

Of the fire fatalities reported in 2010, **smoking**-related fires were the leading known cause, accounting for approximately 22% of the total. High risk behaviors, such as smoking in sleeping or lounging areas; smoking while using medical oxygen; and smoking while under the influence of mind-altering drugs or alcohol should be avoided.

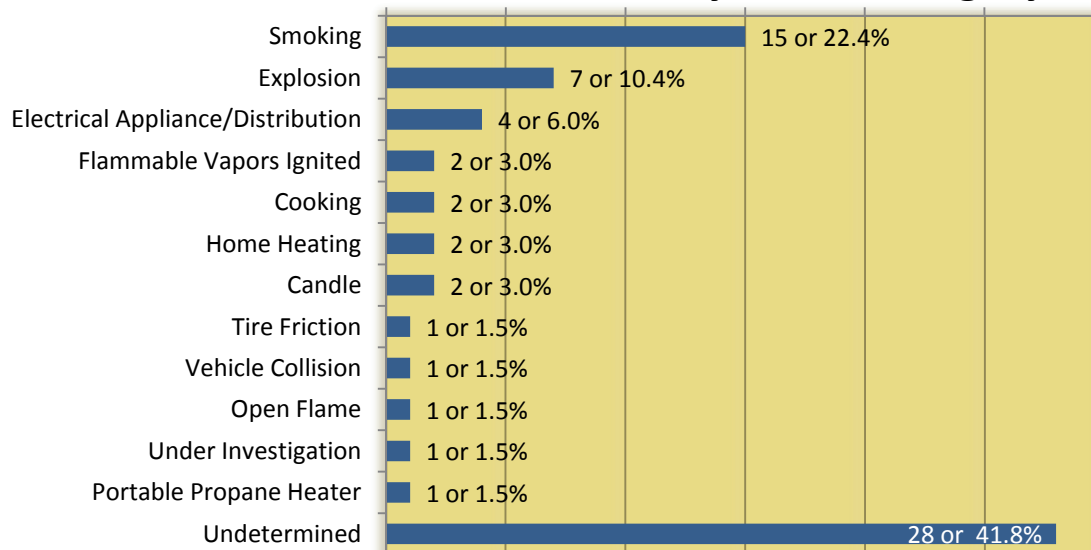
One **explosion** and ensuing fire resulted in the deaths of seven people. The explosion was at an oil refinery. This category accounted for approximately 10% of the total fire fatalities in 2010.

**Electrical**-related fires were the third leading cause resulting in approximately 6% of the total. Many **electrical**-related fires are caused by misuse or poor maintenance of electrical equipment, improperly installed wiring, overloaded circuits, or the use of extension cords in place of permanent wiring.

Fire fatalities caused by **cooking, home heating, and candles** each resulted in the deaths of 2 people, or 3% of the total. Cooking-related fires are often caused by food left unsupervised, individuals wearing loose-fitting clothing, or other combustibles coming in contact with burners or stoves. Home heating fires are often related to the use of portable space heaters in lieu of built-in heating systems; improper installation of heating equipment; lack of maintenance or clearing of furnaces, chimneys or flues; and the use of accelerants to start fires. Candle-related fires are often caused by candles coming in contact with combustibles, or candles burning for extended periods of time without supervision.

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

### 2010 Fire Fatalities by Cause Category



## Age and Gender of Fire Fatalities

Age and gender are factors that impact an individual's ability to escape a fire. The United State Fire Administration indicates men are 1.6 times more likely to die in fires than women. In addition, older males are 50% more likely to die in fires than women. In 2010, fire agencies in Washington State reported approximately 64% of the fire victims were male.

In 2010, approximately 69% of the people that died in fires were age 50 or older. As people age, they may become unable to react quickly in emergency situations, they may take medications that slow their ability to make rapid decisions, they may not be able to hear smoke alarms sounding, and they may be home alone at the time a fire starts.

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

Age Group	Female		Male		Grand Total	% of Total
	Total	% of Total	Total	% of Total		
10 & Under	2	3.0%	1	1.5%	3	4.5%
11 - 19	0	0.0%	2	3.0%	2	3.0%
20 - 29	2	3.0%	1	1.5%	3	4.5%
30 - 39	1	1.5%	6	9.0%	7	10.4%
40 - 49	4	6.0%	8	11.9%	12	17.9%
50 - 59	3	4.5%	13	19.4%	16	23.9%
60 - 69	2	3.0%	7	10.4%	9	13.4%
70 - 79	3	4.5%	4	6.0%	7	10.4%
80 & Older	7	10.4%	1	1.5%	8	11.9%
Grand Total	24	35.8%	43	64.2%	67	100.0%

### 2010 Multiple Deaths Incidents:

April - seven victims died in one refinery explosion in the Arlington area.

June – five victims died in one apartment fire in the Seattle area. The fire cause was listed as undetermined.

August – three people died in a single-family dwelling fire in Zillah. The cause of the fire was listed as undetermined.

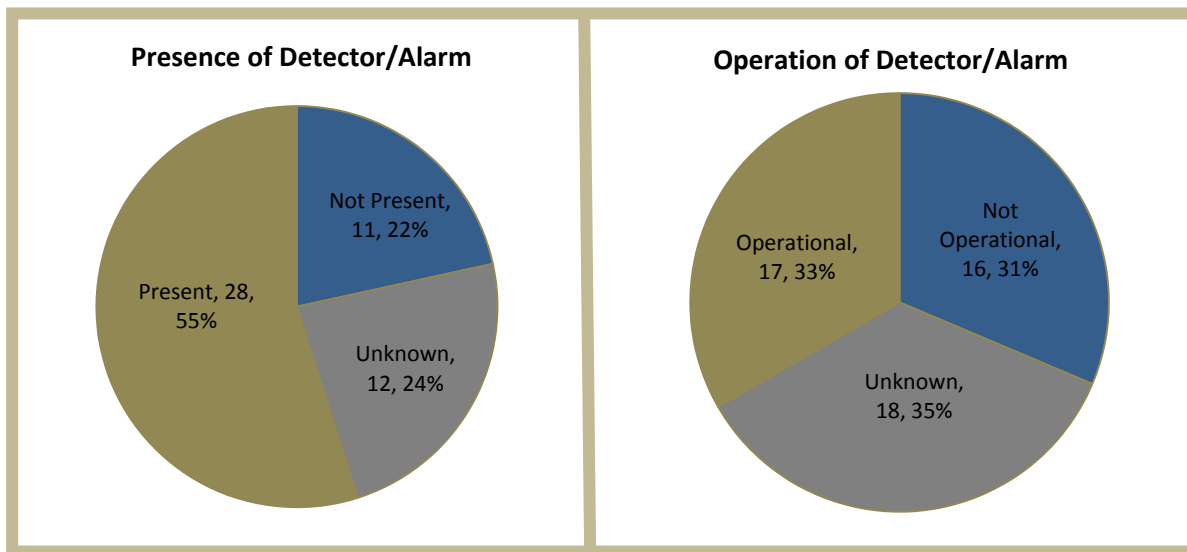
December – two separate double fatality fires occurred in single-family dwellings. One of the incidents occurred in the Spokane area and the other occurred in Mill-A (Skamania County). Both fires were listed as undetermined.

## Fire Protection Devices

Fire protection devices – such as smoke alarms and fire sprinklers – play a key role in reducing the loss of life in fires. Smoke alarms are designed to detect smoke and provide early notification to building occupants. Fire sprinklers provide critical fire suppression and occupant protection, particularly for impaired individuals.

The charts and information below illustrate the features of fire protection reported for 51 of the 67 fire fatalities which occurred in buildings or recreational vehicles during 2010. Findings for smoke alarms or detectors:

- Approximately 66% of the fire fatalities occurred where no operable smoke alarms or detectors were reported.
- Seventeen fire fatalities occurred in areas where smoke alarms or detectors were present and operational. Human factors – such as the person was asleep, under the influence of drugs or alcohol, or had physical or mental impairment – may have contributed to the individual not escaping the fire.



## Fire Sprinkler Systems

None of the fire fatalities in 2010 occurred in buildings equipped with fire sprinklers.

## 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, 18% of the fire fatalities have been smoking-related. Smoking in sleeping areas, while using medical oxygen systems, or while under the influence of alcohol or mind-altering drugs increases the risk of a fire occurring.

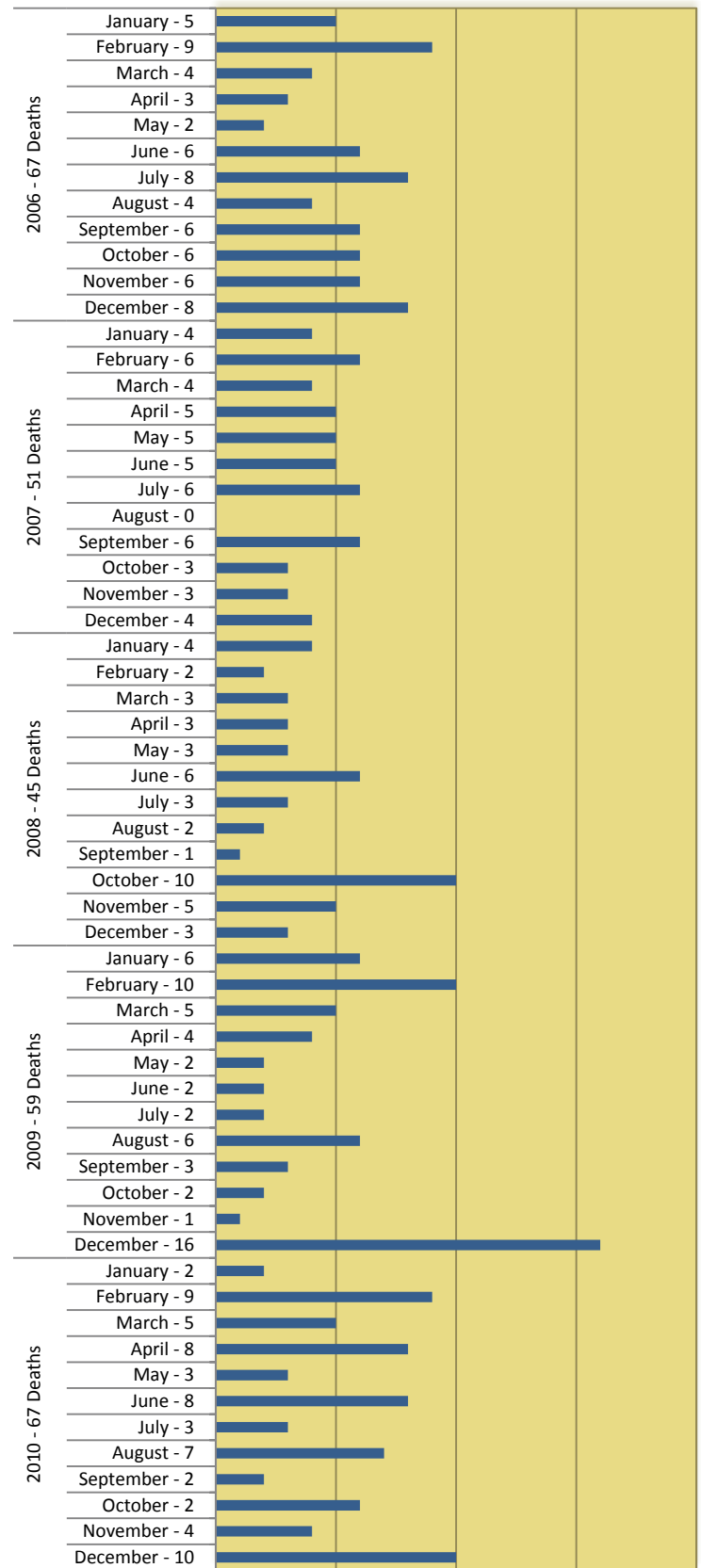
Fires started by **electrical appliances or distribution** are the second leading cause for fire fatalities on a five year average, resulting in 11% of the total. In 2010, nearly 6% of the fire deaths were reported as electrical-related. Poor maintenance, improper installation or use of electrical equipment, 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, nearly 8% of the fire fatalities were reported in this category.

Cause Category	2006	2007	2008	2009	2010	5-Year Total	5-Year % of Total
Smoking	14	9	4	10	15	52	18.0%
Electrical Appliance/Distribution	9	6	5	8	4	32	11.1%
Intentionally Set	3	6	7	6	0	22	7.6%
Vehicle-Related	7	4	4	3	0	18	6.2%
Cooking	5	2	5	2	2	16	5.5%
Under Investigation	1	7	2	4	1	15	5.2%
Home Heating	6	3	3	1	2	15	5.2%
Candle	5	2	1	0	2	10	3.5%
Explosion	0	0	0	0	7	7	2.4%
Flammable Vapors Ignited	0	1	1	0	2	4	1.4%
Drug Manufacturing/Lab	0	0	0	3	0	3	1.0%
Portable Gas Powered Heating Appliance	0	0	0	3	0	3	1.0%
Child with access to ignition device	2	0	0	0	0	2	0.7%
Vehicle Collision	0	0	0	0	1	1	0.3%
Gas Stove - Combustibles Too Close to Heat Source	0	0	0	1	0	1	0.3%
Camp Fire	0	0	0	1	0	1	0.3%
Outside Fire Pit	0	0	1	0	0	1	0.3%
Cutting Torch	0	0	0	1	0	1	0.3%
Portable Propane Heater	0	0	0	0	1	1	0.3%
Lighter	0	0	0	1	0	1	0.3%
Oil Lamp	0	1	0	0	0	1	0.3%
Over Heated Vehicle Exhaust	0	0	0	1	0	1	0.3%
Open Flame Device	0	1	0	0	0	1	0.3%
Tire Friction	0	0	0	0	1	1	0.3%
Open Flame	0	0	0	0	1	1	0.3%
Bricks on Gas Range	1	0	0	0	0	1	0.3%
Generator too close to combustibles	1	0	0	0	0	1	0.3%
Undetermined	13	9	12	14	28	76	26.3%
Grand Total	67	51	45	59	67	289	100.0%

## Fire Fatalities by Month over the Past Five Years

- Based on a five year average, approximately five people die each month in fire incidents in Washington State.
- December 2009 was the deadliest month in the past five years with 19 fire deaths.
- 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 people for the past five years. From 2006 to 2010, Columbia, Garfield, Lincoln, San Juan, and Wahkiakum have not reported any fire fatalities.

County	2006		2007		2008		2009		2010		5-Year Total
	# of Deaths	Rate*	# of Deaths	Rate*	# of Deaths	Rate*	# of Deaths	Rate*	# of Deaths	Rate*	
Adams	1	5.8	1	5.7	0	0.0	0	0.0	0	0.0	2
<b>Asotin</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>
Benton	4	2.5	2	1.2	2	1.2	0	0.0	1	0.6	9
Chelan	1	1.4	2	2.8	1	1.4	0	0.0	2	2.7	6
Clallam	0	0.0	3	4.4	0	0.0	0	0.0	1	1.4	4
Clark	1	0.2	1	0.2	1	0.2	4	0.9	0	0.0	7
<b>Columbia</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>
Cowlitz	2	2.1	2	2.0	0	0.0	1	1.0	0	0.0	5
Douglas	0	0.0	0	0.0	0	0.0	1	2.7	1	2.6	2
Ferry	1	13.3	0	0.0	0	0.0	3	38.5	0	0.0	4
Franklin	1	1.6	0	0.0	0	0.0	1	1.4	0	0.0	2
<b>Garfield</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>
Grant	0	0.0	3	3.6	1	1.2	4	4.6	0	0.0	8
Grays Harbor	1	1.4	0	0.0	0	0.0	1	1.4	0	0.0	2
Island	2	2.6	0	0.0	0	0.0	0	0.0	0	0.0	2
Jefferson	3	10.6	0	0.0	1	3.5	0	0.0	0	0.0	4
King	19	1.0	11	0.6	11	0.6	13	0.7	17	0.9	71
Kitsap	1	0.4	2	0.8	0	0.0	1	0.4	2	0.8	6
Kittitas	0	0.0	0	0.0	0	0.0	0	0.0	1	2.5	1
Klickitat	0	0.0	1	5.0	0	0.0	0	0.0	0	0.0	1
Lewis	0	0.0	0	0.0	0	0.0	2	2.7	2	2.6	4
<b>Lincoln</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>
Mason	2	3.8	1	1.8	3	5.3	0	0.0	0	0.0	6
Okanogan	0	0.0	0	0.0	1	2.5	0	0.0	0	0.0	1
Pacific	0	0.0	1	4.6	0	0.0	1	4.6	0	0.0	2
Pend Oreille	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0
Pierce	9	1.2	3	0.4	7	0.9	5	0.6	6	0.7	30
<b>San Juan</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>
Skagit	1	0.9	0	0.0	0	0.0	0	0.0	11	9.2	12
Skamania	0	0.0	0	0.0	0	0.0	0	0.0	2	18.3	2
Snohomish	3	0.4	2	0.3	7	1.0	7	1.0	5	0.7	24
Spokane	3	0.7	2	0.4	3	0.7	4	0.9	9	1.9	21
Stevens	0	0.0	2	4.7	0	0.0	0	0.0	0	0.0	2
Thurston	6	2.6	3	1.3	3	1.2	2	0.8	2	0.8	16
<b>Wahkiakum</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>
Walla Walla	0	0.0	2	3.4	1	1.7	4	6.8	0	0.0	7
Whatcom	2	1.1	0	0.0	1	0.5	3	1.6	0	0.0	6
Whitman	1	2.3	0	0.0	0	0.0	0	0.0	0	0.0	1
Yakima	3	1.3	7	3.0	2	0.8	2	0.8	5	2.1	19
Washington State	67	1.1	51	0.8	45	0.7	59	0.9	67	1.0	289



## Region 1

Clallam, Jefferson, Kitsap, and Mason counties make up Region 1. In 2010, 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 (Sorted by Dollar Loss)

Incident Type Category		2006	2007	2008	2009	2010	Grand Total
Fire	<i># of Incidents</i>	1,901	1,635	1,616	1,537	1,171	7,860
	<i>Dollar Loss</i>	\$13,952,239	\$18,989,197	\$9,448,425	\$16,136,814	\$11,352,069	\$69,878,744
Rescue and Emergency Medical Service	<i># of Incidents</i>	31,239	34,332	37,911	38,201	39,060	180,743
	<i>Dollar Loss</i>	\$226,317	\$237,210	\$104,534	\$215,000	\$256,500	\$1,039,561
Good Intent Calls	<i># of Incidents</i>	3,868	3,624	3,584	3,654	3,689	18,419
	<i>Dollar Loss</i>	\$5,000	\$3,009	\$337,500	\$1,000	\$10	\$346,519
Service Calls	<i># of Incidents</i>	4,826	4,760	3,967	4,119	4,185	21,857
	<i>Dollar Loss</i>	\$11,610	\$4,052	\$38,500	\$121,500	\$46,000	\$221,662
Hazardous Conditions (No Fire)	<i># of Incidents</i>	2,086	1,379	1,052	1,074	1,277	6,868
	<i>Dollar Loss</i>	\$41,000	\$67,229	\$42,800	\$6,450	\$57,900	\$215,379
Severe Weather & Natural Disaster	<i># of Incidents</i>	195	233	32	48	123	631
	<i>Dollar Loss</i>	\$32,600	\$2	\$0	\$15,000	\$0	\$47,602
False Alarms & False Calls	<i># of Incidents</i>	2,658	2,677	2,573	2,675	2,677	13,260
	<i>Dollar Loss</i>	\$0	\$64	\$2,500	\$20,000	\$11,000	\$33,564
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	133	91	122	97	84	527
	<i>Dollar Loss</i>	\$2,150	\$1	\$12,950	\$1,000	\$3,590	\$19,691
Other Types of Incidents	<i># of Incidents</i>	217	697	671	531	404	2,520
	<i>Dollar Loss</i>	\$0	\$4	\$3,500	\$0	\$0	\$3,504
Undetermined Type of Incident	<i># of Incidents</i>	0	0	0	0	1	1
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total Number of Incidents		47,123	49,428	51,528	51,936	52,671	252,686
Total Property and Content Loss		\$14,270,916	\$19,300,768	\$9,990,709	\$16,516,764	\$11,727,069	\$71,806,226

## Region 1 Fire Incidents

Over the past five years, 7,860 fire incidents, resulting in more than \$69 million is property and content loss, have been reported by fire service agencies in Region 1. Structure fires, including confined fires, accounted for 36% of the five-year total and 88% of the dollar loss to property and content.

### 2006 – 2010 Fires Incidents by Type (Sorted by Dollar Loss)

Fire Incidents by Category		2006	2007	2008	2009	2010	Grand Total
Structure Fires (including confined fires)	# of Incidents	662	564	604	529	513	2,872
	Dollar Loss	\$11,991,269	\$17,754,751	\$7,939,889	\$14,349,031	\$10,078,674	\$62,113,614
Vehicle Fires (Mobile Properties)	# of Incidents	323	299	291	213	198	1,324
	Dollar Loss	\$1,122,315	\$670,316	\$930,226	\$805,945	\$907,905	\$4,436,707
Fixed Mobile Property Fires	# of Incidents	35	27	30	38	28	158
	Dollar Loss	\$729,552	\$495,034	\$298,700	\$527,616	\$269,961	\$2,320,863
Natural Vegetation Fires	# of Incidents	490	400	405	463	198	1,956
	Dollar Loss	\$44,875	\$2,366	\$253,370	\$326,975	\$4,312	\$631,898
Fire, Other	# of Incidents	140	130	95	109	77	551
	Dollar Loss	\$30,715	\$30,158	\$3,820	\$103,300	\$70,417	\$238,410
Outside Storage & Equipment Fires	# of Incidents	55	46	46	43	42	232
	Dollar Loss	\$22,236	\$31,277	\$19,520	\$23,000	\$9,800	\$105,833
Outside Rubbish Fires	# of Incidents	190	163	144	140	112	749
	Dollar Loss	\$8,777	\$5,294	\$2,900	\$947	\$11,000	\$28,918
Cultivated Vegetation Fires	# of Incidents	6	6	1	2	3	18
	Dollar Loss	\$2,500	\$1	\$0	\$0	\$0	\$2,501
Total # of Incidents		1,901	1,635	1,616	1,537	1,171	7,860
Total Dollar Loss		\$13,952,239	\$18,989,197	\$9,448,425	\$16,136,814	\$11,352,069	\$69,878,744

### 2006 – 2010 Structure Fires by Type (Sorted by Dollar Loss)

Structure Fires (including confined fires)		2006	2007	2008	2009	2010	Grand Total
Building fires	# of Incidents	310	269	298	251	281	1,409
	Dollar Loss	\$11,676,851	\$17,721,876	\$7,914,118	\$14,198,641	\$10,026,254	\$61,537,740
Fires in structures other than in a building	# of Incidents	21	17	13	10	10	71
	Dollar Loss	\$286,824	\$9,350	\$4,246	\$47,000	\$23,200	\$370,620
Chimney or flue fire, confined to chimney or flue	# of Incidents	162	132	150	148	111	703
	Dollar Loss	\$2,910	\$9,003	\$3,000	\$80,100	\$9,700	\$104,713
Cooking fire, confined to container	# of Incidents	90	91	98	81	69	429
	Dollar Loss	\$17,784	\$12,422	\$8,595	\$14,830	\$12,720	\$66,351
Fuel burner/boiler malfunction, fire confined	# of Incidents	10	4	3	5	7	29
	Dollar Loss	\$1,500	\$800	\$1,500	\$7,500	\$5,750	\$17,050
Trash or rubbish fire, contained	# of Incidents	64	51	41	33	30	219
	Dollar Loss	\$5,400	\$1,300	\$3,430	\$960	\$850	\$11,940
Commercial Compactor fire, confined to rubbish	# of Incidents	1	0	1	0	3	5
	Dollar Loss	\$0	\$0	\$5,000	\$0	\$200	\$5,200
Incinerator overload or malfunction, fire confined	# of Incidents	4	0	0	1	2	7
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		662	564	604	529	513	2,872
Total Dollar Loss		\$11,991,269	\$17,754,751	\$7,939,889	\$14,349,031	\$10,078,674	\$62,113,614

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

Property Use Category		2006	2007	2008	2009	2010	Grand Total
Residential	# of Incidents	850	773	811	737	634	3,805
	Dollar Loss	\$11,791,104	\$10,696,343	\$7,118,118	\$7,702,938	\$9,728,023	\$47,036,526
Mercantile & Business	# of Incidents	73	65	55	42	31	266
	Dollar Loss	\$100,100	\$1,731,060	\$32,775	\$6,529,500	\$272,414	\$8,665,849
Utility, Defense, Agriculture, & Mining	# of Incidents	36	35	25	37	18	151
	Dollar Loss	\$297,224	\$5,117,201	\$252,000	\$216,000	\$800	\$5,883,225
Outside or Special Properties	# of Incidents	746	621	555	564	350	2,836
	Dollar Loss	\$768,750	\$772,917	\$848,012	\$711,480	\$758,080	\$3,859,239
Storage	# of Incidents	43	30	49	42	35	199
	Dollar Loss	\$336,536	\$262,401	\$573,870	\$846,295	\$530,850	\$2,549,952
Other Property Uses	# of Incidents	21	34	26	14	19	114
	Dollar Loss	\$55,250	\$39,770	\$514,600	\$23,500	\$41,000	\$674,120
Assembly	# of Incidents	37	26	30	40	32	165
	Dollar Loss	\$502,105	\$11,600	\$27,025	\$4,200	\$18,400	\$563,330
Educational	# of Incidents	26	19	15	25	12	97
	Dollar Loss	\$13,275	\$280,052	\$1,500	\$21,550	\$2,502	\$318,879
Manufacturing	# of Incidents	19	7	8	7	13	54
	Dollar Loss	\$65,395	\$25,500	\$2,000	\$15,000	\$0	\$107,895
Undetermined	# of Incidents	22	9	9	6	13	59
	Dollar Loss	\$3,000	\$4,001	\$40,000	\$25,500	\$0	\$72,501
Health Care, Detention & Corrections	# of Incidents	8	6	15	10	9	48
	Dollar Loss	\$15,000	\$47,900	\$8,525	\$476	\$0	\$71,901
None	# of Incidents	18	10	18	13	5	64
	Dollar Loss	\$2,000	\$452	\$30,000	\$400	\$0	\$32,852
Total # of Incidents		1,899	1,635	1,616	1,537	1,171	7,858
Total Dollar Loss		\$13,949,739	\$18,989,197	\$9,448,425	\$16,096,839	\$11,352,069	\$69,836,269

Area of Origin by Category		2006	2007	2008	2009	2010	Grand Total
Functional Areas	# of Incidents	178	174	233	208	212	1,005
	Dollar Loss	\$4,012,573	\$8,208,720	\$3,444,387	\$3,004,026	\$2,341,501	\$21,011,207
Areas for Groups of People (Assembly)	# of Incidents	38	40	39	44	46	207
	Dollar Loss	\$1,165,980	\$2,569,429	\$877,415	\$7,518,041	\$908,680	\$13,039,545
Structural Areas	# of Incidents	90	73	87	86	81	417
	Dollar Loss	\$1,757,362	\$3,014,968	\$1,292,186	\$753,920	\$1,716,350	\$8,534,786
Storage Areas	# of Incidents	66	47	57	45	46	261
	Dollar Loss	\$523,103	\$1,290,364	\$898,725	\$959,255	\$3,931,100	\$7,602,547
Undetermined	# of Incidents	95	85	101	62	71	414
	Dollar Loss	\$1,336,757	\$1,744,423	\$410,135	\$572,165	\$522,785	\$4,586,265
Service or Equipment Areas	# of Incidents	68	43	70	63	45	289
	Dollar Loss	\$950,152	\$148,002	\$893,450	\$1,507,700	\$563,329	\$4,062,633
Vehicle Areas	# of Incidents	284	249	245	202	184	1,164
	Dollar Loss	\$1,046,214	\$612,466	\$487,786	\$547,795	\$914,960	\$3,609,221
Outside Areas	# of Incidents	234	240	377	430	234	1,515
	Dollar Loss	\$1,919,934	\$98,984	\$405,090	\$749,115	\$190,202	\$3,363,325
Other Areas of Origin	# of Incidents	78	71	132	94	69	444
	Dollar Loss	\$388,410	\$512,506	\$376,151	\$138,150	\$221,200	\$1,636,417
Exit/Exit Access/Exit Discharge Areas	# of Incidents	13	19	18	21	13	84
	Dollar Loss	\$394,500	\$544,786	\$361,800	\$248,925	\$25,100	\$1,575,111
Technical Processing Areas	# of Incidents	1	2	1	1	4	9
	Dollar Loss	\$0	\$500	\$0	\$1,500	\$0	\$2,000
Total # of Incidents		1,145	1,043	1,360	1,256	1,005	5,809
Total Dollar Loss		\$13,494,985	\$18,745,148	\$9,447,125	\$16,000,592	\$11,335,207	\$69,023,057

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

Heat Source Categories		2006	2007	2008	2009	2010	Grand Total
Undetermined	<i># of Incidents</i>	315	284	409	363	322	1,693
	<i>Dollar Loss</i>	\$6,564,391	\$5,804,926	\$2,985,075	\$3,524,325	\$6,627,526	\$25,506,243
Operating Equipment	<i># of Incidents</i>	364	319	376	311	287	1,657
	<i>Dollar Loss</i>	\$4,251,961	\$2,898,627	\$2,843,578	\$2,871,025	\$2,520,670	\$15,385,861
Open Flame or Smoking Material	<i># of Incidents</i>	152	123	167	167	140	749
	<i>Dollar Loss</i>	\$955,715	\$2,433,650	\$1,509,945	\$7,637,502	\$360,002	\$12,896,814
Hot or Smoldering Object	<i># of Incidents</i>	180	159	191	196	144	870
	<i>Dollar Loss</i>	\$958,430	\$6,622,536	\$587,901	\$1,338,410	\$679,189	\$10,186,466
Heat Source Other	<i># of Incidents</i>	50	77	122	89	55	393
	<i>Dollar Loss</i>	\$129,802	\$395,707	\$374,665	\$212,700	\$966,070	\$2,078,944
Heat Spread from Another Fire	<i># of Incidents</i>	29	24	45	57	35	190
	<i>Dollar Loss</i>	\$297,150	\$282,200	\$950,475	\$389,530	\$159,550	\$2,078,905
Explosives and Fireworks	<i># of Incidents</i>	34	28	34	55	12	163
	<i>Dollar Loss</i>	\$223,336	\$184,201	\$168,020	\$8,600	\$200	\$584,357
Chemical or Natural	<i># of Incidents</i>	18	23	13	14	8	76
	<i>Dollar Loss</i>	\$47,200	\$96,701	\$27,466	\$18,500	\$2,000	\$191,867
Multiple Heat Sources	<i># of Incidents</i>	3	6	3	4	2	18
	<i>Dollar Loss</i>	\$67,000	\$26,600	\$0	\$0	\$20,000	\$113,600
Total # of Incidents		1,145	1,043	1,360	1,256	1,005	5,809
Total Dollar Loss		\$13,494,985	\$18,745,148	\$9,447,125	\$16,000,592	\$11,335,207	\$69,023,057

Cause of Ignition		2006	2007	2008	2009	2010	Grand Total
Cause under investigation	<i># of Incidents</i>	99	105	129	158	123	614
	<i>Dollar Loss</i>	\$4,132,628	\$5,149,037	\$2,418,060	\$8,689,176	\$5,994,951	\$26,383,852
Unintentional	<i># of Incidents</i>	534	437	581	561	439	2,552
	<i>Dollar Loss</i>	\$5,011,397	\$5,493,763	\$4,212,756	\$3,264,160	\$3,197,726	\$21,179,802
Cause undetermined after investigation	<i># of Incidents</i>	124	124	151	129	96	624
	<i>Dollar Loss</i>	\$737,394	\$5,723,970	\$421,860	\$1,578,415	\$205,600	\$8,667,239
Failure of equipment or heat source	<i># of Incidents</i>	180	179	207	164	160	890
	<i>Dollar Loss</i>	\$1,682,214	\$1,797,488	\$1,799,128	\$1,283,210	\$1,620,205	\$8,182,245
Intentional	<i># of Incidents</i>	107	102	164	141	118	632
	<i>Dollar Loss</i>	\$1,719,007	\$416,225	\$400,621	\$1,153,586	\$205,275	\$3,894,714
Cause Other	<i># of Incidents</i>	93	85	118	86	54	436
	<i>Dollar Loss</i>	\$212,345	\$164,665	\$186,050	\$32,045	\$109,450	\$704,555
Act of nature	<i># of Incidents</i>	8	11	10	17	14	60
	<i>Dollar Loss</i>	\$0	\$0	\$8,650	\$0	\$2,000	\$10,650
Total # of Incidents		1,145	1,043	1,360	1,256	1,004	5,808
Total Dollar Loss		\$13,494,985	\$18,745,148	\$9,447,125	\$16,000,592	\$11,335,207	\$69,023,057

## Region 1 Incident Reporting Summary for 2010

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Clallam County		10,213	0	50	10,263	\$4,138,511
05D01	Clallam #1, Forks	53	0	1	54	\$276,000
05D02	Clallam #2, Port Angeles	879	0	26	905	\$0
05D03	Clallam #3, Sequim	5,529	0	4	5,533	\$3,235,214
05D04	Clallam #4, Joyce	163	0	2	165	\$27,500
05D05	Clallam #5, Clallam Bay/Sekiu	152	0	4	156	\$6,000
05D06	Clallam #6, Quillayute Prairie	10	0	1	11	\$428,170
05M03	Port Angeles Fire Department	3,427	0	12	3,439	\$165,627
05S03	La Push Fire Department	0	0	0	0	\$0
Jefferson County		4,663	0	218	4,881	\$498,800
16D01	East Jefferson Fire & Rescue	3,439	0	46	3,485	\$313,500
16D02	Jefferson #2, Quilcene	256	0	44	300	\$96,300
16D03	Jefferson #3, Port Ludlow	654	0	72	726	\$55,000
16D04	Jefferson #4, Brinnon	231	0	18	249	\$25,000
16D05	Jefferson #5, Discovery Bay	83	0	38	121	\$9,000
16D07	Jefferson #7, Clearwater	0	0	0	0	\$0
Kitsap County		29,304	11	1,326	30,641	\$6,365,158
18D01	Central Kitsap Fire & Rescue	6,600	6	263	6,869	\$1,663,715
18D02	Kitsap #2, Bainbridge Island	2,649	0	77	2,726	\$868,900
18D07	South Kitsap Fire & Rescue	8,320	5	108	8,433	\$2,548,531
18D10	Kitsap #10, North Kitsap	2,238	0	243	2,481	\$286,500
18M01	Bremerton Fire Department	6,537	0	251	6,788	\$458,520
18M04	Kitsap #18/City of Poulsbo	2,960	0	384	3,344	\$538,992
Mason County		8,477	1	529	9,007	\$779,400
23D01	Mason #1, Hoodspport	212	0	79	291	\$0
23D02	Mason #2, Belfair	1,906	1	59	1,966	\$300,000
23D03	Mason #3, Grapeview	265	0	17	282	\$5,200
23D04	Mason #4, Arcadia/Kamilche	850	0	50	900	\$48,500
23D05	Mason #5, Allyn/Agate/Shelton	4,163	0	73	4,236	\$100,000
23D06	Mason #6, Union*	15	0	6	21	\$0
23D08	Mason #8, Tahuya	0	0	0	0	\$0
23D09	Mason #9, Skokomish Valley	77	0	15	92	\$0
23D11	Mason #11, Shelton	300	0	85	385	\$53,650
23D12	Mason #12	97	0	2	99	\$206,950
23D13	Mason #13, Elma	182	0	29	211	\$60,100
23D16	Mason #16, Dayton	135	0	22	157	\$5,000
23D17	Mason #17, Lilliwaup/Eldon	87	0	0	87	\$0
23D18	Mason #18, Lake Cushman	188	0	92	280	\$0
Region 1 Totals		52,657	12	2,123	54,792	\$11,781,869

\*Fire agency submitted a statement of no fire activity in 2010.

## Region 2

Grays Harbor, Pacific, and Thurston counties make up Region 2. In 2010, 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

Incident Type Category		2006	2007	2008	2009	2010	Grand Total
Fire	<i># of Incidents</i>	1,993	1,718	1,630	1,584	1,179	8,104
	<i>Dollar Loss</i>	\$5,099,835	\$8,418,285	\$9,742,973	\$14,079,473	\$13,047,190	\$50,387,756
Rescue and Emergency Medical Service	<i># of Incidents</i>	23,505	26,433	27,250	28,033	27,876	133,097
	<i>Dollar Loss</i>	\$193,000	\$36,600	\$220,275	\$69,850	\$7,200	\$526,925
Hazardous Conditions (No Fire)	<i># of Incidents</i>	1,077	769	738	671	672	3,927
	<i>Dollar Loss</i>	\$17,265	\$343,070	\$16,965	\$48,320	\$101,150	\$526,770
False Alarms & False Calls	<i># of Incidents</i>	2,420	2,474	2,200	2,347	2,070	11,511
	<i>Dollar Loss</i>	\$27,000	\$3,000	\$200	\$257,500	\$0	\$287,700
Service Calls	<i># of Incidents</i>	1,776	2,371	2,411	2,861	2,555	11,974
	<i>Dollar Loss</i>	\$600	\$10,000	\$5,150	\$74,550	\$180,000	\$270,300
Good Intent Calls	<i># of Incidents</i>	2,970	3,221	3,275	3,215	3,084	15,765
	<i>Dollar Loss</i>	\$420	\$0	\$500	\$0	\$2,050	\$2,970
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	27	44	42	37	27	177
	<i>Dollar Loss</i>	\$0	\$200	\$1,050	\$50	\$1,300	\$2,600
Severe Weather & Natural Disaster	<i># of Incidents</i>	140	107	18	80	41	386
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Other Types of Incidents	<i># of Incidents</i>	91	52	60	71	61	335
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		33,999	37,189	37,624	38,899	37,565	185,276
Total Dollar Loss		\$5,338,120	\$8,811,155	\$9,987,113	\$14,529,743	\$13,338,890	\$52,005,021

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

Over the past five years, 8,104 fire incidents, resulting in more than \$50 million in property and content loss, have been reported by fire service agencies in Region 2. Structure fires, including confined fires, accounted for 32% of the five-year total and 89% of the dollar loss to property and content.

### 2006 – 2010 Fires Incidents by Type (Sorted by Dollar Loss)

Fire Incident Type Category		2006	2007	2008	2009	2010	Grand Total
Structure Fires (including confined fires)	# of Incidents	553	562	533	499	457	2,604
	Dollar Loss	\$4,159,600	\$7,496,658	\$8,317,097	\$13,340,280	\$11,605,714	\$44,919,349
Vehicle Fires (Mobile Properties)	# of Incidents	284	259	233	224	193	1,193
	Dollar Loss	\$666,050	\$792,047	\$1,275,741	\$582,793	\$1,012,485	\$4,329,116
Fixed Mobile Property Fires	# of Incidents	21	26	21	29	23	120
	Dollar Loss	\$76,750	\$26,000	\$88,000	\$128,900	\$320,301	\$639,951
Fire, Other	# of Incidents	292	208	136	113	67	816
	Dollar Loss	\$108,560	\$91,635	\$14,300	\$11,350	\$76,850	\$302,695
Outside Storage & Equipment Fires	# of Incidents	58	44	100	61	41	304
	Dollar Loss	\$56,250	\$5,350	\$20,050	\$2,950	\$7,750	\$92,350
Natural Vegetation Fires	# of Incidents	505	327	376	454	236	1,898
	Dollar Loss	\$31,565	\$3,020	\$2,410	\$7,750	\$24,000	\$68,745
Outside Rubbish Fires	# of Incidents	278	291	227	196	159	1,151
	Dollar Loss	\$1,060	\$3,570	\$24,275	\$2,950	\$90	\$31,945
Cultivated Vegetation Fires	# of Incidents	2	1	4	8	3	18
	Dollar Loss	\$0	\$5	\$1,100	\$2,500	\$0	\$3,605
Total # of Incidents		1,993	1,718	1,630	1,584	1,179	8,104
Total Dollar Loss		\$5,099,835	\$8,418,285	\$9,742,973	\$14,079,473	\$13,047,190	\$50,387,756

### 2006 – 2010 Structure Fires by Type (Sorted by Dollar Loss)

Structure Fires (including confined fires)		2006	2007	2008	2009	2010	Grand Total
Building fires	# of Incidents	260	244	257	228	213	1,202
	Dollar Loss	\$4,041,075	\$7,393,051	\$8,164,797	\$13,247,795	\$11,542,635	\$44,389,353
Fires in structures other than in a building	# of Incidents	24	17	22	11	6	80
	Dollar Loss	\$14,900	\$57,100	\$91,850	\$66,250	\$12,400	\$242,500
Cooking fire, confined to container	# of Incidents	108	99	66	90	98	461
	Dollar Loss	\$65,095	\$14,257	\$13,620	\$11,985	\$33,079	\$138,036
Chimney or flue fire, confined to chimney or flue	# of Incidents	120	145	144	140	113	662
	Dollar Loss	\$23,930	\$1,300	\$34,500	\$6,600	\$10,100	\$76,430
Trash or rubbish fire, contained	# of Incidents	32	43	35	20	20	150
	Dollar Loss	\$10,300	\$3,900	\$10,330	\$2,100	\$4,500	\$31,130
Incinerator overload or malfunction, fire confined	# of Incidents	0	7	3	1	1	12
	Dollar Loss	\$0	\$27,000	\$0	\$0	\$0	\$27,000
Fuel burner/boiler malfunction, fire confined	# of Incidents	7	6	5	9	5	32
	Dollar Loss	\$4,300	\$50	\$2,000	\$5,550	\$3,000	\$14,900
Commercial Compactor fire, confined to rubbish	# of Incidents	1	1	1	0	1	4
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Structure fire, other (conversion only)	# of Incidents	1	0	0	0	0	1
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		553	562	533	499	457	2,604
Total Dollar Loss		\$4,159,600	\$7,496,658	\$8,317,097	\$13,340,280	\$11,605,714	\$44,919,349



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

Property Use Category		2006	2007	2008	2009	2010	Grand Total
Residential	# of Incidents	820	796	711	713	559	3,599
	Dollar Loss	\$3,643,395	\$4,833,947	\$7,301,427	\$7,707,100	\$4,874,469	\$28,360,338
Mercantile & Business	# of Incidents	71	69	50	57	45	292
	Dollar Loss	\$60,295	\$2,282,800	\$588,910	\$2,964,788	\$6,374,020	\$12,270,813
Manufacturing	# of Incidents	20	29	20	15	10	94
	Dollar Loss	\$7,700	\$238,700	\$91,400	\$2,472,500	\$26,000	\$2,836,300
Outside or Special Properties	# of Incidents	804	569	617	616	430	3,036
	Dollar Loss	\$402,425	\$476,816	\$409,586	\$361,255	\$765,850	\$2,415,932
Storage	# of Incidents	33	29	32	43	33	170
	Dollar Loss	\$168,000	\$392,400	\$802,350	\$248,600	\$489,501	\$2,100,851
Assembly	# of Incidents	39	40	44	36	42	201
	Dollar Loss	\$383,500	\$133,520	\$332,900	\$266,850	\$191,850	\$1,308,620
Utility, Defense, Agriculture, & Mining	# of Incidents	26	25	16	18	18	103
	Dollar Loss	\$152,750	\$2,000	\$8,000	\$10,300	\$311,000	\$484,050
None	# of Incidents	47	46	51	31	13	188
	Dollar Loss	\$77,400	\$29,000	\$94,300	\$36,000	\$4,500	\$241,200
Educational	# of Incidents	24	17	21	13	8	83
	Dollar Loss	\$100,305	\$7,102	\$96,600	\$7,200	\$800	\$212,007
Undetermined	# of Incidents	34	38	30	21	4	127
	Dollar Loss	\$100,000	\$5,500	\$2,000	\$2,600	\$1,200	\$111,300
Health Care, Detention & Corrections	# of Incidents	8	14	6	5	9	42
	Dollar Loss	\$65	\$10,500	\$11,000	\$30	\$8,000	\$29,595
Other Property Use	# of Incidents	67	46	32	16	8	169
	Dollar Loss	\$4,000	\$6,000	\$4,500	\$2,250	\$0	\$16,750
Total # of Incidents		1,993	1,718	1,630	1,584	1,179	8,104
Total Dollar Loss		\$5,099,835	\$8,418,285	\$9,742,973	\$14,079,473	\$13,047,190	\$50,387,756

Area of Origin by Category		2006	2007	2008	2009	2010	Grand Total
Storage Areas	# of Incidents	46	50	50	59	46	251
	Dollar Loss	\$470,150	\$2,665,600	\$1,292,425	\$4,385,650	\$3,069,656	\$11,883,481
Functional Areas	# of Incidents	138	155	140	162	164	759
	Dollar Loss	\$1,357,310	\$1,460,517	\$2,477,536	\$2,658,085	\$2,673,412	\$10,626,860
Undetermined	# of Incidents	89	95	140	141	94	559
	Dollar Loss	\$835,050	\$1,160,201	\$2,102,100	\$832,045	\$1,844,160	\$6,773,556
Structural Areas	# of Incidents	71	68	74	77	67	357
	Dollar Loss	\$896,550	\$1,020,089	\$1,292,231	\$2,021,600	\$1,005,651	\$6,236,121
Vehicle Areas	# of Incidents	225	228	198	197	176	1,024
	Dollar Loss	\$595,300	\$784,146	\$1,030,316	\$503,393	\$1,055,085	\$3,968,240
Exit/Exit Access/ Exit Discharge Areas	# of Incidents	10	9	14	11	10	54
	Dollar Loss	\$66,400	\$214,950	\$193,660	\$86,900	\$2,128,000	\$2,689,910
Technical Processing Areas	# of Incidents	1	1	2	3	1	8
	Dollar Loss	\$0	\$0	\$0	\$2,400,200	\$15,000	\$2,415,200
Areas for Groups of People (Assembly)	# of Incidents	21	24	15	25	19	104
	Dollar Loss	\$283,205	\$465,302	\$228,750	\$849,800	\$512,000	\$2,339,057
Service or Equipment Areas	# of Incidents	31	54	51	36	52	224
	Dollar Loss	\$225,400	\$440,100	\$794,700	\$47,700	\$67,000	\$1,574,900
Outside Areas	# of Incidents	186	165	335	351	236	1,273
	Dollar Loss	\$63,000	\$8,000	\$118,385	\$15,950	\$623,637	\$828,972
Other Areas of Origin	# of Incidents	20	32	47	51	35	185
	Dollar Loss	\$1,750	\$63,150	\$78,300	\$82,700	\$10,000	\$235,900
Total # of Incidents		838	881	1,066	1,113	900	4,798
Total Dollar Loss		\$4,794,115	\$8,282,055	\$9,608,403	\$13,884,023	\$13,003,601	\$49,572,197



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

Heat Source Categories		2006	2007	2008	2009	2010	Grand Total
Undetermined	# of Incidents	272	318	405	422	311	1,728
	Dollar Loss	\$1,594,550	\$5,362,562	\$4,250,751	\$7,796,363	\$6,302,415	\$25,306,641
Operating Equipment	# of Incidents	234	247	238	240	248	1,207
	Dollar Loss	\$1,385,820	\$1,470,173	\$2,495,776	\$2,743,910	\$2,373,290	\$10,468,969
Open Flame or Smoking Material	# of Incidents	126	105	129	133	122	615
	Dollar Loss	\$884,780	\$505,910	\$683,475	\$1,268,850	\$888,571	\$4,231,586
Hot or Smoldering Object	# of Incidents	115	127	209	174	123	748
	Dollar Loss	\$751,230	\$756,050	\$977,951	\$585,960	\$521,125	\$3,592,316
Multiple Heat Sources	# of Incidents	2	4	2	4	1	13
	Dollar Loss	\$0	\$7,200	\$40,000	\$1,800	\$1,802,000	\$1,851,000
Heat Source Other	# of Incidents	56	37	53	56	37	239
	Dollar Loss	\$35,435	\$122,740	\$868,500	\$480,340	\$0	\$1,507,015
Heat Spread from Another Fire	# of Incidents		14	12	28	33	87
	Dollar Loss		\$12,250	\$36,550	\$625,000	\$357,900	\$1,031,700
Explosives and Fireworks	# of Incidents	23	23	12	44	19	121
	Dollar Loss	\$106,700	\$170	\$11,400	\$21,700	\$753,800	\$893,770
Chemical or Natural	# of Incidents	10	6	6	11	6	39
	Dollar Loss	\$35,600	\$45,000	\$244,000	\$360,100	\$4,500	\$689,200
Total # of Incidents		838	881	1,066	1,112	900	4,797
Total Dollar Loss		\$4,794,115	\$8,282,055	\$9,608,403	\$13,884,023	\$13,003,601	\$49,572,197

Cause of Ignition		2006	2007	2008	2009	2010	Grand Total
Cause under investigation	# of Incidents	70	63	64	81	55	333
	Dollar Loss	\$1,220,500	\$3,829,214	\$2,675,860	\$4,635,195	\$6,373,887	\$18,734,656
Unintentional	# of Incidents	328	355	425	486	372	1,966
	Dollar Loss	\$1,683,365	\$1,524,165	\$4,111,062	\$3,991,385	\$2,242,675	\$13,552,652
Cause undetermined after investigation	# of Incidents	101	124	201	179	139	744
	Dollar Loss	\$857,350	\$936,563	\$1,312,701	\$3,898,488	\$1,146,378	\$8,151,480
Failure of equipment or heat source	# of Incidents	174	172	147	127	153	773
	Dollar Loss	\$872,370	\$1,359,481	\$843,605	\$964,225	\$1,199,660	\$5,239,341
Intentional	# of Incidents	105	110	137	155	147	654
	Dollar Loss	\$158,030	\$573,782	\$630,175	\$317,050	\$1,963,201	\$3,642,238
Cause Other	# of Incidents	57	53	88	71	27	296
	Dollar Loss	\$2,500	\$58,850	\$33,500	\$74,980	\$63,800	\$233,630
Act of nature	# of Incidents	3	4	4	13	7	31
	Dollar Loss	\$0	\$0	\$1,500	\$2,700	\$14,000	\$18,200
Total # of Incidents		838	881	1,066	1,112	900	4,797
Total Dollar Loss		\$4,794,115	\$8,282,055	\$9,608,403	\$13,884,023	\$13,003,601	\$49,572,197

## Region 2 Incident Reporting Summary for 2010

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Grays Harbor County		4,240	1	258	4,499	\$3,202,975
14D01	Grays Harbor #1, Oakville	326	0	8	334	\$0
14D02	Grays Harbor #2	678	0	57	735	\$61,100
14D04	Grays Harbor #4, Amanda Park	13	0	3	16	\$65,000
14D05	Grays Harbor #5, Elma/Satsop	653	0	16	669	\$1,000
14D06	Grays Harbor #6, North Hoquiam	0	0	0	0	\$0
14D07	Grays Harbor #7, Copalis Beach	0	0	0	0	\$0
14D08	Grays Harbor #8, Pacific Beach	0	0	0	0	\$0
14D10	Grays Harbor #10, Wishkah	4	0	0	4	\$0
14D11	Grays Harbor #11, Grayland	38	0	14	52	\$489,150
14D12	Grays Harbor #12, McCleary	32	0	0	32	\$80,000
14D14	Grays Harbor #14	118	0	26	144	\$4,300
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, Humptulips	6	0	0	6	\$2,000
14M01	Aberdeen Fire Department	372	1	17	390	\$902,974
14M02	Cosmopolis Fire Department	1	0	1	2	\$0
14M03	Elma Fire Department	195	0	1	196	\$208,000
14M04	Hoquiam Fire Department	132	0	16	148	\$53,200
14M05	McCleary Fire Department	41	0	30	71	\$30,000
14M06	Montesano Fire Department	1,170	0	12	1,182	\$285,951
14M08	Ocean Shores Fire Department	112	0	6	118	\$0
14M09	Westport Fire Department	344	0	50	394	\$925,500
14X01	Quinalt Indian Nation	5	0	1	6	\$94,800
Pacific County		3,491	1	145	3,637	\$1,448,620
25D01	Pacific #1, Ocean Park	1,690	0	51	1,741	\$335,700
25D02	Pacific #2, Chinook Valley	0	0	0	0	\$0
25D03	Pacific #3, Willapa Valley	27	0	0	27	\$79,950
25D04	Pacific #4, Naselle	17	0	3	20	\$431,700
25D05	Pacific #5, North Cove/Tokeland	7	1	4	12	\$391,000
25D06	Pacific #6, Bay Center*	0	0	0	0	\$0
25D07	Pacific #7, Nemah	39	0	0	39	\$0
25M01	Ilwaco Fire Department	219	0	75	294	\$17,500
25M02	Long Beach Fire Department	59	0	12	71	\$110,020
25M03	Raymond Fire Department	1,433	0	0	1,433	\$82,750
25M04	South Bend Fire Department/Pacific #8	0	0	0	0	\$0
Thurston County		29,827	4	1,204	31,035	\$11,680,845
34D01	Thurston #1, Rochester	1,110	0	31	1,141	\$202,100
34D02	SE Thurston Fire & EMS	2,742	0	15	2,757	\$0
34D03	Lacey Fire District 3	10,679	4	118	10,801	\$1,905,731
34D06	Thurston #6, East Olympia	819	0	84	903	\$315,859
34D07	Thurston #7, North Olympia	269	0	22	291	\$0
34D08	Thurston #8, South Bay	505	0	107	612	\$0
34D09	McLane/Blake Lake Fire Department	1,223	0	489	1,712	\$327,675
34D11	Thurston #11, Littlerock	994	0	61	1,055	\$2,178,600
34D12	Thurston #12, Tenino	86	0	51	137	\$67,600
34D13	Thurston #13, Griffin	391	0	44	435	\$100
34D16	Thurston #16, Gibson Valley	1	0	1	2	\$275,000
34D17	Thurston #17, Bald Hills	256	0	20	276	\$0
34M01	Bucoda Fire Department	0	0	0	0	\$0
34M02	Olympia Fire Department	8,086	0	123	8,209	\$4,493,520
34M04	Tumwater Fire Department	2,666	0	38	2,704	\$1,914,660
Region 2 Totals		37,558	6	1,607	39,171	\$16,332,440

\*Fire agency submitted a statement of no fire activity in 2010.

### Region 3

Island, San Juan, Skagit, and Whatcom counties make up Region 3. In 2010, 90% 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		2006	2007	2008	2009	2010	Grand Total
Fire	<i># of Incidents</i>	2,077	1,749	1,530	1,816	1,410	8,582
	<i>Dollar Loss</i>	\$16,564,139	\$12,469,983	\$13,494,912	\$26,283,439	\$6,816,686	\$75,629,159
Service Calls	<i># of Incidents</i>	1,931	1,837	2,280	2,485	2,855	11,388
	<i>Dollar Loss</i>	\$18,000	\$37,000	\$116,100	\$1,821,050	\$119,250	\$2,111,400
Rescue and Emergency Medical Service	<i># of Incidents</i>	25,847	27,629	29,628	31,081	31,834	146,019
	<i>Dollar Loss</i>	\$11,000	\$585,500	\$92,000	\$103,500	\$332,550	\$1,124,550
Hazardous Conditions (No Fire)	<i># of Incidents</i>	1,474	1,119	818	1,064	1,106	5,581
	<i>Dollar Loss</i>	\$89,850	\$3,670	\$18,015	\$2,830	\$52,000	\$166,365
Good Intent Calls	<i># of Incidents</i>	2,639	2,747	3,000	3,520	3,129	15,035
	<i>Dollar Loss</i>	\$8,250	\$100,000	\$0	\$0	\$625	\$108,875
False Alarms & False Calls	<i># of Incidents</i>	2,736	2,487	2,458	2,514	2,480	12,675
	<i>Dollar Loss</i>	\$1,800	\$450	\$95,250	\$1,000	\$2,002	\$100,502
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	65	92	67	44	38	306
	<i>Dollar Loss</i>	\$0	\$2,500	\$15,000	\$3,600	\$2,000	\$23,100
Severe Weather & Natural Disaster	<i># of Incidents</i>	430	167	142	112	194	1,045
	<i>Dollar Loss</i>	\$5,000	\$0	\$0	\$0	\$0	\$5,000
Other Types of Incidents	<i># of Incidents</i>	225	209	283	294	296	1,307
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$300	\$3,000	\$3,300
Total # of Incidents		37,424	38,036	40,206	42,930	43,342	201,938
Total Dollar Loss		\$16,698,039	\$13,199,103	\$13,831,277	\$28,215,719	\$7,328,113	\$79,272,251

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

Over the past five years, 8,582 fire incidents, resulting in more than \$75 million in property and content loss, have been reported by fire service agencies in Region 3. Structure fires, including confined fires, accounted for nearly 33% of the five-year total and 92% of the dollar loss to property and content.

#### 2006 – 2010 Fires Incidents by Type (Sorted by Dollar Loss)

Fire Incident Type Category		2006	2007	2008	2009	2010	Grand Total
<b>Structure Fires (including confined fires)</b>	<i># of Incidents</i>	581	580	576	596	549	2,882
	<i>Dollar Loss</i>	\$15,092,164	\$11,449,948	\$12,082,265	\$25,460,982	\$5,867,087	\$69,952,446
<b>Vehicle Fires (Mobile Properties)</b>	<i># of Incidents</i>	320	237	211	233	235	1,236
	<i>Dollar Loss</i>	\$1,333,395	\$837,120	\$1,232,101	\$482,850	\$757,900	\$4,643,366
<b>Fixed Mobile Property Fires</b>	<i># of Incidents</i>	28	31	17	17	18	111
	<i>Dollar Loss</i>	\$105,550	\$116,300	\$82,200	\$238,100	\$171,250	\$713,400
<b>Outside Storage &amp; Equipment Fires</b>	<i># of Incidents</i>	108	60	48	65	58	339
	<i>Dollar Loss</i>	\$1,205	\$25,950	\$53,950	\$86,695	\$3,425	\$171,225
<b>Fire, Other</b>	<i># of Incidents</i>	262	190	77	83	58	670
	<i>Dollar Loss</i>	\$24,900	\$26,685	\$35,500	\$3,950	\$7,030	\$98,065
<b>Outside Rubbish Fires</b>	<i># of Incidents</i>	318	241	246	227	174	1,206
	<i>Dollar Loss</i>	\$2,360	\$6,906	\$5,122	\$6,520	\$6,942	\$27,850
<b>Natural Vegetation Fires</b>	<i># of Incidents</i>	448	406	348	585	316	2,103
	<i>Dollar Loss</i>	\$4,565	\$6,574	\$3,774	\$1,742	\$3,052	\$19,707
<b>Cultivated Vegetation Fires</b>	<i># of Incidents</i>	12	4	7	10	2	35
	<i>Dollar Loss</i>	\$0	\$500	\$0	\$2,600	\$0	\$3,100
Total # of Incidents		2,077	1,749	1,530	1,816	1,410	8,582
Total Dollar Loss		\$16,564,139	\$12,469,983	\$13,494,912	\$26,283,439	\$6,816,686	\$75,629,159

#### 2006 – 2010 Structure Fires by Type (Sorted by Dollar Loss)

Structure Fires (including confined fires)		2006	2007	2008	2009	2010	Grand Total
<b>Building fires</b>	<i># of Incidents</i>	239	249	239	282	285	1,294
	<i>Dollar Loss</i>	\$14,854,400	\$11,248,302	\$11,937,245	\$25,413,903	\$5,816,067	\$69,269,917
<b>Fires in structures other than in a building</b>	<i># of Incidents</i>	29	27	14	17	15	102
	<i>Dollar Loss</i>	\$204,500	\$116,750	\$121,100	\$23,500	\$19,550	\$485,400
<b>Cooking fire, confined to container</b>	<i># of Incidents</i>	129	135	123	118	93	598
	<i>Dollar Loss</i>	\$20,744	\$14,576	\$12,031	\$16,158	\$18,220	\$81,729
<b>Chimney or flue fire, confined to chimney or flue</b>	<i># of Incidents</i>	113	122	136	132	107	610
	<i>Dollar Loss</i>	\$4,800	\$57,700	\$7,100	\$3,900	\$5,650	\$79,150
<b>Trash or rubbish fire, contained</b>	<i># of Incidents</i>	58	37	57	38	41	231
	<i>Dollar Loss</i>	\$4,220	\$1,620	\$3,739	\$321	\$5,450	\$15,350
<b>Incinerator overload or malfunction, fire confined</b>	<i># of Incidents</i>	4	2	1	0	2	9
	<i>Dollar Loss</i>	\$500	\$10,000	\$0	\$0	\$1,000	\$11,500
<b>Fuel burner/boiler malfunction, fire confined</b>	<i># of Incidents</i>	9	8	6	7	5	35
	<i>Dollar Loss</i>	\$3,000	\$1,000	\$1,050	\$3,200	\$1,150	\$9,400
<b>Commercial Compactor fire, confined to rubbish</b>	<i># of Incidents</i>	0	0	0	2	1	3
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		581	580	576	596	549	2,882
Total Dollar Loss		\$15,092,164	\$11,449,948	\$12,082,265	\$25,460,982	\$5,867,087	\$69,952,446

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

Property Use Category		2006	2007	2008	2009	2010	Grand Total
Residential	# of Incidents	856	783	720	770	667	3,796
	Dollar Loss	\$8,535,869	\$3,642,021	\$5,776,772	\$4,100,063	\$5,328,087	\$27,382,812
Educational	# of Incidents	25	16	12	18	16	87
	Dollar Loss	\$3,200	\$372,807	\$1,115	\$20,015,100	\$150	\$20,392,372
Mercantile & Business	# of Incidents	64	56	64	53	61	298
	Dollar Loss	\$79,780	\$5,182,740	\$6,132,407	\$815,798	\$333,190	\$12,543,915
Storage	# of Incidents	54	32	30	55	36	207
	Dollar Loss	\$2,693,600	\$397,500	\$170,300	\$929,135	\$593,900	\$4,784,435
Manufacturing	# of Incidents	25	11	6	11	19	72
	Dollar Loss	\$3,127,500	\$53,000	\$13,000	\$27,500	\$8,500	\$3,229,500
Outside or Special Properties	# of Incidents	920	697	582	774	531	3,504
	Dollar Loss	\$734,315	\$455,528	\$484,658	\$370,053	\$521,644	\$2,566,198
Utility, Defense, Agriculture, & Mining	# of Incidents	32	39	25	40	21	157
	Dollar Loss	\$1,287,500	\$813,100	\$2,700	\$15,000	\$12,000	\$2,130,300
Assembly	# of Incidents	46	47	48	42	32	215
	Dollar Loss	\$67,275	\$1,168,275	\$862,484	\$9,140	\$11,010	\$2,118,184
None	# of Incidents	9	8	3	6	2	28
	Dollar Loss	\$11,500	\$300,000	\$0	\$0	\$0	\$311,500
Other Property Use	# of Incidents	16	22	15	28	13	94
	Dollar Loss	\$3,000	\$76,500	\$28,700	\$1,000	\$500	\$109,700
Health Care, Detention & Corrections	# of Incidents	14	20	14	12	9	69
	Dollar Loss	\$20,600	\$7,512	\$7,506	\$650	\$7,705	\$43,973
Undetermined	# of Incidents	16	18	11	7	3	55
	Dollar Loss	\$0	\$1,000	\$15,270	\$0	\$0	\$16,270
Total # of Incidents		2,077	1,749	1,530	1,816	1,410	8,582
Total Dollar Loss		\$16,564,139	\$12,469,983	\$13,494,912	\$26,283,439	\$6,816,686	\$75,629,159

Area of Origin by Category		2006	2007	2008	2009	2010	Grand Total
Structural Areas	# of Incidents	80	83	90	76	82	411
	Dollar Loss	\$6,937,400	\$2,213,550	\$1,656,870	\$21,175,850	\$765,650	\$32,749,320
Storage Areas	# of Incidents	42	36	41	36	48	203
	Dollar Loss	\$1,842,550	\$5,583,600	\$7,078,700	\$910,320	\$1,805,150	\$17,220,320
Functional Areas	# of Incidents	100	133	164	205	159	761
	Dollar Loss	\$1,478,960	\$1,099,232	\$2,203,707	\$1,210,723	\$1,424,826	\$7,417,448
Vehicle Areas	# of Incidents	268	192	169	182	192	1,003
	Dollar Loss	\$1,275,770	\$826,420	\$1,269,351	\$425,950	\$859,006	\$4,656,497
Undetermined	# of Incidents	161	139	113	166	129	708
	Dollar Loss	\$1,168,600	\$1,009,700	\$726,750	\$954,500	\$212,580	\$4,072,130
Areas for Groups of People (Assembly)	# of Incidents	17	21	24	23	24	109
	Dollar Loss	\$477,040	\$1,133,000	\$327,950	\$226,000	\$1,154,925	\$3,318,915
Service or Equipment Areas	# of Incidents	34	36	41	51	38	200
	Dollar Loss	\$1,709,000	\$180,025	\$77,350	\$1,042,068	\$38,100	\$3,046,543
Outside Areas	# of Incidents	188	159	221	351	241	1,160
	Dollar Loss	\$1,120,825	\$138,350	\$36,500	\$210,815	\$74,905	\$1,581,395
Exit/Exit Access/ Exit Discharge Areas	# of Incidents	14	19	7	11	11	62
	Dollar Loss	\$211,035	\$163,400	\$33,800	\$88,200	\$251,400	\$747,835
Other Areas of Origin	# of Incidents	34	47	47	52	55	235
	Dollar Loss	\$140,050	\$27,630	\$63,000	\$13,000	\$66,600	\$310,280
Technical Processing Areas	# of Incidents	5	1	1	5	6	18
	Dollar Loss	\$3,500	\$500	\$0	\$0	\$147,900	\$151,900
Total # of Incidents		943	866	918	1,158	985	4,870
Total Dollar Loss		\$16,364,730	\$12,375,407	\$13,473,978	\$26,257,426	\$6,801,042	\$75,272,583

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

Heat Source Categories		2006	2007	2008	2009	2010	Grand Total
Undetermined	# of Incidents	348	317	295	397	354	1,711
	Dollar Loss	\$6,461,310	\$2,973,075	\$3,368,750	\$22,839,958	\$2,641,456	\$38,284,549
Operating Equipment	# of Incidents	246	235	260	288	253	1,282
	Dollar Loss	\$4,136,975	\$3,331,032	\$2,854,721	\$2,222,758	\$1,958,255	\$14,503,741
Open Flame or Smoking Material	# of Incidents	117	87	126	124	103	557
	Dollar Loss	\$1,007,325	\$530,650	\$5,692,807	\$172,700	\$459,050	\$7,862,532
Heat Source Other	# of Incidents	40	47	64	80	73	304
	Dollar Loss	\$147,425	\$5,016,570	\$362,100	\$134,120	\$92,400	\$5,752,615
Hot or Smoldering Object	# of Incidents	124	115	126	154	125	644
	Dollar Loss	\$933,985	\$386,330	\$860,800	\$637,390	\$1,488,731	\$4,307,236
Heat Spread from Another Fire	# of Incidents	23	25	27	30	35	140
	Dollar Loss	\$3,123,500	\$114,000	\$293,900	\$33,000	\$126,100	\$3,690,500
Chemical or Natural	# of Incidents	10	12	7	16	17	62
	Dollar Loss	\$551,210	\$2,250	\$34,950	\$0	\$34,100	\$622,510
Multiple Heat Sources	# of Incidents	3	2	2	2	3	12
	Dollar Loss	\$0	\$5,000	\$200	\$135,000	\$0	\$140,200
Explosives and Fireworks	# of Incidents	32	26	11	67	22	158
	Dollar Loss	\$3,000	\$16,500	\$5,750	\$82,500	\$950	\$108,700
Total # of Incidents		943	866	918	1,158	985	4,870
Total Dollar Loss		\$16,364,730	\$12,375,407	\$13,473,978	\$26,257,426	\$6,801,042	\$75,272,583

Cause of Ignition		2006	2007	2008	2009	2010	Grand Total
Failure of equipment or heat source	# of Incidents	135	140	125	190	152	742
	Dollar Loss	\$529,500	\$1,038,720	\$937,476	\$21,534,638	\$1,079,486	\$25,119,820
Cause under investigation	# of Incidents	74	70	80	89	68	381
	Dollar Loss	\$2,959,600	\$6,858,750	\$8,877,500	\$1,372,350	\$1,629,650	\$21,697,850
Unintentional	# of Incidents	339	323	378	445	428	1,913
	Dollar Loss	\$8,155,330	\$2,903,887	\$2,070,195	\$2,698,018	\$3,280,386	\$19,107,816
Intentional	# of Incidents	129	100	132	157	106	624
	Dollar Loss	\$3,523,750	\$664,400	\$244,157	\$219,570	\$85,710	\$4,737,587
Cause undetermined after investigation	# of Incidents	219	198	162	206	184	969
	Dollar Loss	\$1,179,550	\$863,100	\$763,350	\$426,800	\$717,510	\$3,950,310
Cause Other	# of Incidents	36	27	39	52	33	187
	Dollar Loss	\$17,000	\$16,300	\$581,100	\$6,050	\$6,700	\$627,150
Act of nature	# of Incidents	10	8	2	19	14	53
	Dollar Loss	\$0	\$30,250	\$200	\$0	\$1,600	\$32,050
Total # of Incidents		942	866	918	1,158	985	4,869
Total Dollar Loss		\$16,364,730	\$12,375,407	\$13,473,978	\$26,257,426	\$6,801,042	\$75,272,583

### Region 3 Incident Reporting Summary for 2010

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Island County		8,563	1	347	8,911	\$994,210
15D01	Island #1, Camano Island	2,634	0	63	2,697	\$18,450
15D02	Island #2, North Whidbey	1,753	0	169	1,922	\$0
15D03	Island #3, South Whidbey	2,032	0	5	2,037	\$566,200
15D05	Island #5, Central Whidbey	981	0	21	1,002	\$41,600
15M04	Oak Harbor Fire Department	1,163	1	89	1,253	\$367,960
San Juan County		948	0	69	1,017	\$536,000
28D02	San Juan #2, Orcas Island	686	0	1	687	\$58,350
28D03	San Juan #3, San Juan Island	158	0	48	206	\$50
28D04	San Juan #4, Lopez Island	0	0	0	0	\$0
28D05	San Juan #5, Shaw Island	8	0	0	8	\$20,000
28M01	Friday Harbor Fire Department	96	0	20	116	\$457,600
Skagit County		10,596	0	382	10,978	\$1,199,027
29D02	Skagit #2, McLean Road	234	0	9	243	\$27,000
29D03	Skagit #3, Conway/Cedardale	273	0	28	301	\$0
29D04	Skagit #4, Clear Lake	206	0	18	224	\$0
29D05	Skagit #5, Bow/Edison	196	0	0	196	\$0
29D07	Skagit #7, Lake Cavanaugh	3	0	0	3	\$0
29D08	Skagit #8, Sedro-Woolley	322	0	15	337	\$0
29D09	Skagit #9, Big Lake	139	0	17	156	\$0
29D10	Skagit #10, Concrete	106	0	1	107	\$0
29D11	Skagit #11, Mount Erie	193	0	24	217	\$3,000
29D12	Skagit #12, Bay View	3	0	0	3	\$500
29D13	Skagit #13, Hope Island/Summit Park	688	0	61	749	\$0
29D14	Skagit #14, Alger	220	0	0	220	\$0
29D15	Skagit #15, Lake McMurray	63	0	0	63	\$0
29D16	Skagit # 16, Day Creek	0	0	0	0	\$0
29D17	Skagit #17, Guemes Island	24	0	0	24	\$16,400
29D19	Skagit #19, Rockport	0	0	0	0	\$0
29M01	Anacortes Fire Department	546	0	1	547	\$207,550
29M02	Burlington Fire Department	1,719	0	14	1,733	\$30,000
29M03	Concrete Fire Department	27	0	0	27	\$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	4,051	0	48	4,099	\$787,827
29M09	Sedro-Wolley Fire Department	1,583	0	146	1,729	\$126,750
Whatcom County		23,233	1	684	23,918	\$4,609,876
37D01	Whatcom #1, Everson	22	0	2	24	\$404,000
37D04	Whatcom #4	465	0	138	603	\$23,260
37D05	Whatcom #5, Point Roberts	100	0	1	101	\$0
37D07	Whatcom #7, Ferndale	1,928	0	255	2,183	\$1,225,585
37D08	Whatcom #8, Marietta	1,046	0	47	1,093	\$150,106
37D11	Whatcom #11, Lummi Island	54	0	0	54	\$10,200
37D13	Whatcom #13	1	0	0	1	\$0
37D14	Whatcom #14, Sumas	724	0	17	741	\$325,500
37D16	Whatcom #16, Acme	5	0	0	5	\$550
37D17	Whatcom #17, Sandy Point	118	0	8	126	\$11,800
37D18	Whatcom #18, S Lake Whatcom	98	0	9	107	\$6,750
37D19	Whatcom #19, Glacier	7	0	0	7	\$0
37D20	South Whatcom Fire Authority	634	0	33	667	\$0
37D21	Whatcom #21	2,170	1	134	2,305	\$978,050
37M01	Bellingham Fire Department	14,791	0	6	14,797	\$1,474,075
37M07	Lynden Fire Department	1,070	0	34	1,104	\$0
Region 3 Totals		43,340	2	1,482	44,824	\$7,339,113



## Region 4

King, Pierce, and Snohomish counties make up Region 4. In 2010, 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

Incident Type Category		2006	2007	2008	2009	2010	Grand Total
<b>Fire</b>	<i># of Incidents</i>	13,164	10,460	10,217	11,109	8,036	52,986
	<i>Dollar Loss</i>	\$96,099,787	\$92,568,318	\$105,327,145	\$108,272,303	\$81,258,636	\$483,526,189
<b>Service Calls</b>	<i># of Incidents</i>	22,236	20,860	22,020	23,855	22,461	111,432
	<i>Dollar Loss</i>	\$370,000	\$221,683	\$684,757	\$733,045	\$293,100	\$2,302,585
<b>Rescue and Emergency Medical Service</b>	<i># of Incidents</i>	179,325	194,988	218,506	227,475	228,256	1,048,550
	<i>Dollar Loss</i>	\$369,500	\$31,461	\$643,901	\$76,003	\$826,700	\$1,947,565
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>	<i># of Incidents</i>	860	859	933	906	763	4,321
	<i>Dollar Loss</i>	\$25,760	\$1,198,630	\$64,015	\$46,700	\$57,720	\$1,392,825
<b>False Alarms &amp; False Calls</b>	<i># of Incidents</i>	25,757	25,177	24,878	24,823	23,854	124,489
	<i>Dollar Loss</i>	\$206,000	\$48,506	\$20,850	\$57,871	\$233,230	\$566,457
<b>Hazardous Conditions (No Fire)</b>	<i># of Incidents</i>	9,252	6,875	6,218	5,578	5,578	33,501
	<i>Dollar Loss</i>	\$183,885	\$100,138	\$73,996	\$37,065	\$87,800	\$482,884
<b>Other Types of Incidents</b>	<i># of Incidents</i>	2,214	2,247	2,150	2,397	2,370	11,378
	<i>Dollar Loss</i>	\$360,500	\$36,050	\$9,550	\$0	\$5,000	\$411,100
<b>Severe Weather &amp; Natural Disaster</b>	<i># of Incidents</i>	2,149	350	163	189	479	3,330
	<i>Dollar Loss</i>	\$77,100	\$100,000	\$5,000	\$0	\$250	\$182,350
<b>Good Intent Calls</b>	<i># of Incidents</i>	23,013	23,393	23,543	25,824	24,500	120,273
	<i>Dollar Loss</i>	\$2,600	\$4,175	\$5,001	\$1,502	\$30,430	\$43,708
<b>Undetermined Type of Incident</b>	<i># of Incidents</i>	83	50	45	33	11	222
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total Number of Incidents		278,053	285,259	308,673	322,189	316,308	1,510,482
Total Property and Content Loss		\$97,695,132	\$94,308,961	\$106,834,215	\$109,224,489	\$82,792,866	\$490,855,663



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

Over the past five years, 52,986 fire incidents, resulting in more than \$483 million in property and content loss, have been reported by fire service agencies in Region 4. Structure fires, including confined fires, accounted for nearly 32% of the five-year total and 89% of the dollar loss to property and content.

### 2006 – 2010 Fires Incidents by Type (Sorted by Dollar Loss)

Fire Incident Type Category		2006	2007	2008	2009	2010	Grand Total
Structure Fires (including confined fires)	# of Incidents	3,823	3,515	3,499	3,255	2,869	16,961
	Dollar Loss	\$86,612,287	\$81,425,840	\$91,977,744	\$100,169,848	\$71,741,956	\$431,927,675
Vehicle Fires (Mobile Properties)	# of Incidents	2,184	1,976	1,797	1,710	1,475	9,142
	Dollar Loss	\$7,216,828	\$9,084,276	\$11,024,598	\$6,386,379	\$7,584,891	\$41,296,972
Fixed Mobile Property Fires	# of Incidents	109	114	130	104	100	557
	Dollar Loss	\$1,224,451	\$1,027,725	\$1,463,856	\$981,051	\$1,064,548	\$5,761,631
Fire, Other	# of Incidents	891	534	432	437	442	2,736
	Dollar Loss	\$466,516	\$225,192	\$152,788	\$314,559	\$655,692	\$1,814,747
Outside Storage & Equipment Fires	# of Incidents	966	761	758	818	576	3,879
	Dollar Loss	\$231,828	\$515,887	\$281,998	\$210,485	\$76,360	\$1,316,558
Outside Rubbish Fires	# of Incidents	1,892	1,519	1,711	1,621	1,308	8,051
	Dollar Loss	\$277,940	\$238,001	\$402,468	\$100,826	\$94,916	\$1,114,151
Natural Vegetation Fires	# of Incidents	3,276	2,003	1,864	3,137	1,252	11,532
	Dollar Loss	\$69,237	\$51,182	\$21,693	\$68,650	\$32,223	\$242,985
Cultivated Vegetation Fires	# of Incidents	23	38	26	27	14	128
	Dollar Loss	\$700	\$215	\$2,000	\$40,505	\$8,050	\$51,470
Total # of Incidents		13,164	10,460	10,217	11,109	8,036	52,986
Total Dollar Loss		\$96,099,787	\$92,568,318	\$105,327,145	\$108,272,303	\$81,258,636	\$483,526,189

### 2006 – 2010 Structure Fires by Type (Sorted by Dollar Loss)

Structure Fires (including confined fires)		2006	2007	2008	2009	2010	Grand Total
Building fires	# of Incidents	1,923	1,823	1,887	1,874	1,571	9,078
	Dollar Loss	\$86,246,922	\$80,123,278	\$91,416,140	\$99,634,545	\$71,244,817	\$428,665,702
Chimney or flue fire, confined to chimney or flue	# of Incidents	397	315	336	293	240	1,581
	Dollar Loss	\$65,370	\$30,302	\$65,002	\$35,062	\$22,400	\$218,136
Commercial Compactor fire, confined to rubbish	# of Incidents	7	7	6	7	4	31
	Dollar Loss	\$2,500	\$20,000	\$250	\$0	\$1,000	\$23,750
Cooking fire, confined to container	# of Incidents	945	899	814	699	721	4,078
	Dollar Loss	\$169,120	\$160,516	\$222,408	\$160,020	\$269,787	\$981,851
Fires in structures other than in a building	# of Incidents	101	116	96	79	76	468
	Dollar Loss	\$90,025	\$1,030,990	\$207,975	\$298,900	\$144,512	\$1,772,402
Fuel burner/boiler malfunction, fire confined	# of Incidents	24	28	31	21	14	118
	Dollar Loss	\$9,400	\$26,160	\$18,150	\$9,500	\$550	\$63,760
Incinerator overload or malfunction, fire confined	# of Incidents	7	9	3	5	1	25
	Dollar Loss	\$0	\$700	\$5,500	\$2,000	\$10,000	\$18,200
Structure fire, other	# of Incidents	16	3	0	0	0	19
	Dollar Loss	\$13,700	\$3,500	\$0	\$0	\$0	\$17,200
Trash or rubbish fire, contained	# of Incidents	403	315	326	277	242	1,563
	Dollar Loss	\$15,250	\$30,394	\$42,319	\$29,821	\$48,890	\$166,674
Total # of Incidents		3,823	3,515	3,499	3,255	2,869	16,961
Total Dollar Loss		\$86,612,287	\$81,425,840	\$91,977,744	\$100,169,848	\$71,741,956	\$431,927,675

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

Property Use Category		2006	2007	2008	2009	2010	Grand Total
Residential	# of Incidents	4,660	4,023	4,011	4,146	3,501	20,341
	Dollar Loss	\$70,318,402	\$60,960,565	\$80,112,163	\$80,522,881	\$53,568,458	\$345,482,469
Mercantile & Business	# of Incidents	523	432	405	365	301	2,026
	Dollar Loss	\$3,333,930	\$10,950,356	\$2,591,846	\$4,790,025	\$8,587,103	\$30,253,260
Outside or Special Properties	# of Incidents	5,286	3,962	3,810	4,579	2,801	20,438
	Dollar Loss	\$4,669,927	\$7,473,967	\$7,764,390	\$4,709,160	\$4,594,968	\$29,212,412
Storage	# of Incidents	228	208	210	182	171	999
	Dollar Loss	\$7,485,176	\$3,514,418	\$3,945,587	\$6,043,688	\$3,562,430	\$24,551,299
Assembly	# of Incidents	324	261	270	312	202	1,369
	Dollar Loss	\$1,855,988	\$4,369,665	\$3,890,899	\$5,783,054	\$5,174,125	\$21,073,731
Manufacturing	# of Incidents	98	109	89	68	66	430
	Dollar Loss	\$4,229,060	\$1,346,369	\$2,034,440	\$1,385,065	\$1,658,211	\$10,653,145
Educational	# of Incidents	304	217	190	203	136	1,050
	Dollar Loss	\$480,104	\$2,495,929	\$265,960	\$2,884,216	\$319,576	\$6,445,785
Other Property Use	# of Incidents	432	328	322	255	190	1,527
	Dollar Loss	\$1,639,249	\$856,866	\$1,614,545	\$940,520	\$1,028,162	\$6,079,342
Health Care, Detention & Corrections	# of Incidents	104	88	93	89	72	446
	Dollar Loss	\$957,415	\$114,842	\$346,401	\$716,530	\$2,137,428	\$4,272,616
Utility, Defense, Agriculture, & Mining	# of Incidents	133	73	93	141	58	498
	Dollar Loss	\$505,090	\$151,200	\$2,253,400	\$237,850	\$599,000	\$3,746,540
Undetermined	# of Incidents	1,006	723	686	732	518	3,665
	Dollar Loss	\$340,996	\$312,791	\$446,314	\$101,464	\$28,975	\$1,230,540
None	# of Incidents	66	36	38	37	20	197
	Dollar Loss	\$285,350	\$21,350	\$61,200	\$2,350	\$200	\$370,450
Total # of Incidents		13,164	10,460	10,217	11,109	8,036	52,986
Total Dollar Loss		\$96,100,687	\$92,568,318	\$105,327,145	\$108,116,803	\$81,258,636	\$483,371,589

Area of Origin by Category		2006	2007	2008	2009	2010	Grand Total
Functional Areas	# of Incidents	1,043	1,127	1,339	1,410	1,363	6,282
	Dollar Loss	\$26,016,957	\$23,508,340	\$34,352,565	\$29,314,900	\$22,899,857	\$136,092,619
Structural Areas	# of Incidents	441	396	441	442	364	2,084
	Dollar Loss	\$20,685,174	\$20,803,405	\$16,165,454	\$34,303,609	\$12,347,776	\$104,305,418
Storage Areas	# of Incidents	274	252	266	292	269	1,353
	Dollar Loss	\$8,265,275	\$10,883,318	\$12,312,659	\$10,648,228	\$10,728,464	\$52,837,944
Undetermined	# of Incidents	347	333	332	352	283	1,647
	Dollar Loss	\$13,852,589	\$7,099,700	\$7,047,601	\$11,392,794	\$4,764,845	\$44,157,529
Vehicle Areas	# of Incidents	1,945	1,745	1,624	1,520	1,329	8,163
	Dollar Loss	\$5,932,363	\$7,408,751	\$10,078,984	\$6,319,081	\$7,795,501	\$37,534,680
Areas for Groups of People (Assembly)	# of Incidents	114	129	136	128	120	627
	Dollar Loss	\$7,503,617	\$10,905,390	\$3,732,478	\$4,634,674	\$8,348,836	\$35,124,995
Outside Areas	# of Incidents	2,613	1,774	1,836	2,591	1,412	10,226
	Dollar Loss	\$2,044,318	\$3,634,372	\$12,918,957	\$4,452,421	\$2,717,431	\$25,767,499
Service or Equipment Areas	# of Incidents	139	174	170	145	124	752
	Dollar Loss	\$4,141,070	\$3,764,923	\$2,578,027	\$3,570,218	\$4,667,816	\$18,722,054
Exit/Exit Access/Exit Discharge Areas	# of Incidents	88	94	103	105	105	495
	Dollar Loss	\$3,065,406	\$1,689,249	\$3,507,247	\$2,815,216	\$5,209,063	\$16,286,181
Technical Processing Areas	# of Incidents	16	30	20	28	19	113
	Dollar Loss	\$2,825,360	\$696,448	\$1,101,919	\$166,800	\$818,886	\$5,609,413
Other Areas of Origin	# of Incidents	166	168	143	162	159	798
	Dollar Loss	\$718,946	\$1,675,125	\$1,045,620	\$349,570	\$176,860	\$3,966,121
Total # of Incidents		7,186	6,222	6,410	7,175	5,547	32,540
Total Dollar Loss		\$95,051,075	\$92,069,021	\$104,841,511	\$107,967,511	\$80,475,335	\$480,404,453

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

Heat Source Categories		2006	2007	2008	2009	2010	Grand Total
Undetermined	# of Incidents	2,274	1,903	1,851	2,087	1,540	9,655
	Dollar Loss	\$33,422,811	\$33,885,884	\$38,209,009	\$36,793,102	\$29,854,870	\$172,165,676
Operating Equipment	# of Incidents	1,960	2,003	2,145	2,121	1,989	10,218
	Dollar Loss	\$29,424,170	\$28,855,931	\$27,519,656	\$42,861,017	\$24,436,410	\$153,097,184
Open Flame or Smoking Material	# of Incidents	1,322	975	1,010	1,195	828	5,330
	Dollar Loss	\$11,835,605	\$11,211,638	\$18,802,406	\$11,967,370	\$9,571,103	\$63,388,122
Hot or Smoldering Object	# of Incidents	884	715	768	899	605	3,871
	Dollar Loss	\$9,395,791	\$11,196,048	\$10,459,402	\$7,719,163	\$7,852,725	\$46,623,129
Explosives and Fireworks	# of Incidents	339	264	213	407	156	1,379
	Dollar Loss	\$6,121,352	\$2,096,403	\$1,266,120	\$4,364,450	\$2,433,137	\$16,281,462
Heat Source Other	# of Incidents	208	217	229	224	212	1,090
	Dollar Loss	\$1,639,334	\$2,456,299	\$2,863,676	\$1,589,296	\$2,796,859	\$11,345,464
Chemical or Natural	# of Incidents	77	60	76	90	59	362
	Dollar Loss	\$587,050	\$1,377,704	\$2,003,160	\$1,860,670	\$1,049,218	\$6,877,802
Heat Spread from Another Fire	# of Incidents	86	55	82	124	128	475
	Dollar Loss	\$1,585,462	\$720,589	\$1,611,082	\$705,443	\$1,946,163	\$6,568,739
Multiple Heat Sources	# of Incidents	36	30	37	29	30	162
	Dollar Loss	\$1,039,500	\$268,525	\$2,107,500	\$107,000	\$534,850	\$4,057,375
Total # of Incidents		7,186	6,222	6,411	7,176	5,547	32,542
Total Dollar Loss		\$95,051,075	\$92,069,021	\$104,842,011	\$107,967,511	\$80,475,335	\$480,404,953

Cause of Ignition		2006	2007	2008	2009	2010	Grand Total
Unintentional	# of Incidents	3,007	2,620	2,949	3,556	2,726	14,858
	Dollar Loss	\$44,116,407	\$43,635,827	\$38,459,423	\$56,791,728	\$30,037,870	\$213,041,255
Cause under investigation	# of Incidents	468	424	460	483	418	2,253
	Dollar Loss	\$18,072,555	\$20,990,220	\$30,611,330	\$26,110,162	\$18,152,088	\$113,936,355
Failure of equipment or heat source	# of Incidents	1,209	1,138	1,089	1,028	913	5,377
	Dollar Loss	\$13,317,928	\$11,358,945	\$12,282,603	\$10,549,121	\$10,310,484	\$57,819,081
Intentional	# of Incidents	1,028	956	988	979	799	4,750
	Dollar Loss	\$5,523,163	\$6,447,367	\$15,320,359	\$6,401,397	\$8,929,422	\$42,621,708
Cause undetermined after investigation	# of Incidents	857	651	559	799	501	3,367
	Dollar Loss	\$11,221,505	\$7,565,110	\$4,691,843	\$6,240,432	\$12,099,826	\$41,818,716
Cause Other	# of Incidents	556	388	323	286	144	1,697
	Dollar Loss	\$2,772,817	\$2,010,363	\$3,169,453	\$1,746,070	\$904,131	\$10,602,834
Act of nature	# of Incidents	63	45	43	45	46	242
	Dollar Loss	\$26,700	\$61,189	\$307,000	\$128,601	\$41,514	\$565,004
Total # of Incidents		7,188	6,222	6,411	7,176	5,547	32,544
Total Dollar Loss		\$95,051,075	\$92,069,021	\$104,842,011	\$107,967,511	\$80,475,335	\$480,404,953

## Region 4 Incident Reporting Summary for 2010

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
King County		146,754	16	13,989	160,759	\$33,085,716
17D02	King #2, Burien	3,946	0	348	4,294	\$924,616
17D04	King #4, Shoreline	8,911	0	298	9,209	\$536,260
17D10	King #10, Eastside Fire & Rescue	7,887	0	350	8,237	\$1,760,412
17D11	King #11, North Highline	4,678	3	288	4,969	\$1,106,770
17D13	King #13, Vashon-Maury	1,091	0	0	1,091	\$50
17D16	King #16, Northshore	2,896	0	342	3,238	\$1,300,050
17D20	King #20, Skyway/Bryn Mawr/Lakeridge	2,098	0	176	2,274	\$405,960
17D27	King #27, Fall City	474	0	223	697	\$159,000
17D36	Woodinville Fire & Life Safety	3,288	0	782	4,070	\$161,567
17D39	King #39, South King	14,675	3	531	15,209	\$2,433,880
17D43	King #43, Maple Valley	2,345	0	132	2,477	\$1,686,064
17D44	King #44, Mountain View	1,476	0	62	1,538	\$652,800
17D45	King #45, Duvall	774	1	122	897	\$65,250
17D47	King #47, Kangley/Palmer	99	0	2	101	\$95,000
17D50	King #50, Skykomish/Stevens Pass	320	0	2	322	\$404,000
17D51	King #51, Snoqualmie Pass	228	0	38	266	\$1,048,000
17M01	Valley Regional Fire Authority	9,087	0	156	9,243	\$1,589,372
17M02	Bellevue Fire Department	13,106	5	3,420	16,531	\$1,368,094
17M03	Black Diamond Fire Department	208	0	4	212	\$235,000
17M04	Bothell Fire Department	4,424	1	272	4,697	\$484,395
17M06	Enumclaw/King #28	1,518	0	31	1,549	\$111,900
17M08	Kent Fire Department	15,097	0	531	15,628	\$2,425,632
17M09	Kirkland Fire Department	6,302	0	525	6,827	\$712,862
17M10	Mercer Island Fire Department	2,231	0	66	2,297	\$78,815
17M13	Redmond Fire Department	6,609	0	3,779	10,388	\$7,800
17M14	Renton Fire & Emergency Services	12,610	1	433	13,044	\$1,382,540
17M15	Seattle Fire Department	11,686	0	0	11,686	\$7,722,711
17M17	Snoqualmie Fire Department	806	0	208	1,014	\$1,255,125
17M19	Tukwila Fire Department	4,400	2	344	4,746	\$1,870,771
17M20	SeaTac Fire Department	3,484	0	524	4,008	\$1,101,020
Pierce County		99,354	2	3,165	102,521	\$20,961,964
27D02	Pierce #2, Lakewood	9,529	0	47	9,576	\$6,559,584
27D03	Pierce #3, University Place	3,615	0	139	3,754	\$232,000
27D05	Pierce #5, Gig Harbor	4,539	0	57	4,596	\$401,850
27D06	Pierce #6, Central Pierce	25,022	0	1,501	26,523	\$3,852,311
27D08	Pierce #8, Edgewood	162	0	82	244	\$22,500
27D13	Pierce #13, Brown's Point	138	0	0	138	\$250
27D14	Riverside Fire & Rescue	351	0	35	386	\$28,250
27D16	Pierce #16, Key Peninsula	1,641	0	32	1,673	\$266,600
27D17	Pierce #17, Roy/McKenna	1,497	0	93	1,590	\$623,720
27D18	Pierce #18, Orting	1,268	0	85	1,353	\$320,554
27D21	Pierce #21, Graham	4,912	0	279	5,191	\$408,150
27D22	Pierce #22, East Pierce	5,278	0	324	5,602	\$1,296,105
27D23	Pierce #23, Elbe/Ashford	207	0	52	259	\$17,000
27D25	Pierce #25, Crystal Mountain	0	0	0	0	\$0
27D26	Pierce #26, Greenwater	0	0	0	0	\$0
27D27	Pierce #27, Anderson Island	275	0	10	285	\$0

## Region 4 Incident Reporting Summary for 2010

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
27M02	Buckley Fire Department	995	0	58	1,053	\$71,150
27M03	Carbonado Fire Department	7	0	0	7	\$10,000
27M04	DuPont Fire Department	579	0	14	593	\$42,497
27M05	Eatonville Fire Department	401	0	223	624	\$148,000
27M07	Milton Fire Department	783	0	130	913	\$23,600
27M11	Ruston Fire Department	47	0	0	47	\$100
27M14	Steilacoom Fire Department	440	0	0	440	\$100
27M16	Tacoma Fire Department	37,282	2	0	37,284	\$6,637,643
27S05	McNeil Island Fire Department	386	0	4	390	\$0
Snohomish County		70,180	4	6,500	76,684	\$30,554,186
31D01	Snohomish #1	15,691	3	1,169	16,863	\$2,698,254
31D04	Snohomish #4, Snohomish	2,686	0	114	2,800	\$241,500
31D05	Snohomish #5, Sultan	928	0	71	999	\$234,418
31D07	Snohomish #7, Clearview	36	0	2	38	\$1,334,840
31D08	Snohomish #8, Lake Stevens	3,385	0	835	4,220	\$2,629,384
31D15	Snohomish #15, Tulalip Bay	602	0	42	644	\$0
31D16	Snohomish #16, Lake Roesiger	0	0	0	0	\$0
31D17	Snohomish #17, Granite Falls	1,187	0	209	1,396	\$150,000
31D19	Snohomish #19, Silvana	303	0	187	490	\$0
31D21	Snohomish #21, Arlington	0	0	0	0	\$0
31D22	Snohomish #22, Getchell	304	0	526	830	\$100,000
31D23	Snohomish #23, Robe Valley	4	0	2	6	\$0
31D24	Snohomish/Skagit #24	450	0	13	463	\$119,500
31D25	Snohomish #25, Oso	12	0	5	17	\$0
31D26	Snohomish #26, Gold Bar	35	0	39	74	\$1,962,100
31D27	Snohomish #27, Hat Island*	0	0	0	0	\$0
31D28	Snohomish #28, Index	99	1	13	113	\$0
31D30	North County Fire and EMS	1,525	0	469	1,994	\$178,475
31M01	Arlington Fire Department	3,029	0	481	3,510	\$12,500
31M03	Edmonds Fire Department	1,629	0	179	1,808	\$1,002,645
31M04	Everett Fire Department	17,639	0	32	17,671	\$2,463,874
31M07	Lynnwood Fire Department	5,627	0	678	6,305	\$5,744,920
31M08	Marysville Fire Department	9,206	0	506	9,712	\$3,423,808
31M09	Monroe/Snohomish #3	2,636	0	489	3,125	\$2,509,478
31M11	Mukilteo Fire Department	1,707	0	181	1,888	\$5,748,490
31M13	Stanwood Fire Department	1,460	0	258	1,718	\$0
Grand Total		316,288	22	23,654	339,964	\$84,601,866

## Region 5

Clark, Cowlitz, Lewis, Skamania, Wahkiakum counties make up Region 5. In 2010, 78% 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		2006	2007	2008	2009	2010	Grand Total
<b>Fire</b>	<i># of Incidents</i>	2,533	2,436	2,308	2,473	1,981	11,731
	<i>Dollar Loss</i>	\$9,754,476	\$20,427,165	\$25,234,971	\$46,691,767	\$19,043,553	\$121,151,932
<b>Rescue and Emergency Medical Service</b>	<i># of Incidents</i>	31,747	29,931	37,544	40,024	38,367	177,613
	<i>Dollar Loss</i>	\$188,600	\$159,164	\$361,201	\$260,700	\$254,400	\$1,224,065
<b>Hazardous Conditions (No Fire)</b>	<i># of Incidents</i>	755	743	736	737	692	3,663
	<i>Dollar Loss</i>	\$171,850	\$61,420	\$105,715	\$95,700	\$77,750	\$512,435
<b>Service Calls</b>	<i># of Incidents</i>	1,694	1,676	2,197	2,498	2,241	10,306
	<i>Dollar Loss</i>	\$56,045	\$13,250	\$29,100	\$266,930	\$38,350	\$403,675
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>	<i># of Incidents</i>	80	81	64	71	59	355
	<i>Dollar Loss</i>	\$325,300	\$1,850	\$8,020	\$62,000	\$2,060	\$399,230
<b>Other Types of Incidents</b>	<i># of Incidents</i>	171	165	178	735	1,670	2,919
	<i>Dollar Loss</i>	\$0	\$0	\$25,000	\$0	\$275,500	\$300,500
<b>Severe Weather &amp; Natural Disaster</b>	<i># of Incidents</i>	61	19	20	33	11	144
	<i>Dollar Loss</i>	\$126,500	\$1,000	\$102,500	\$6,000	\$0	\$236,000
<b>False Alarms &amp; False Calls</b>	<i># of Incidents</i>	2,186	2,259	2,507	2,571	2,130	11,653
	<i>Dollar Loss</i>	\$1,000	\$1,002	\$68,725	\$79,000	\$2,000	\$151,727
<b>Good Intent Calls</b>	<i># of Incidents</i>	4,280	4,237	5,862	6,753	5,980	27,112
	<i>Dollar Loss</i>	\$0	\$6,050	\$5,610	\$100	\$3,400	\$15,160
Total # of Incidents		43,507	41,547	51,416	55,895	53,131	245,496
Total Dollar Loss		\$10,623,771	\$20,670,901	\$25,940,842	\$47,462,197	\$19,697,013	\$124,394,724

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

Over the past five years, 11,731 fire incidents, resulting in more than \$121 million in property and content loss, have been reported by fire service agencies in Region 5. Structure fires, including confined fires, accounted for 28% of the five-year total and 91% of the dollar loss to property and content.

### 2006 – 2010 Fires Incidents by Type (Sorted by Dollar Loss)

Fire Incident Type Category		2006	2007	2008	2009	2010	Grand Total
Structure Fires (including confined fires)	# of Incidents	664	663	711	704	632	3,374
	Dollar Loss	\$8,083,222	\$19,090,799	\$23,393,116	\$44,816,069	\$15,208,693	\$110,591,899
Vehicle Fires (Mobile Properties)	# of Incidents	410	399	340	385	385	1,919
	Dollar Loss	\$1,070,666	\$1,076,192	\$1,160,003	\$1,345,058	\$3,110,139	\$7,762,058
Fixed Mobile Property Fires	# of Incidents	31	16	25	32	29	133
	Dollar Loss	\$310,900	\$33,900	\$70,755	\$362,450	\$595,637	\$1,373,642
Natural Vegetation Fires	# of Incidents	608	625	625	776	391	3,025
	Dollar Loss	\$13,790	\$94,062	\$329,421	\$15,205	\$9,127	\$461,605
Outside Storage & Equipment Fires	# of Incidents	79	71	102	99	69	420
	Dollar Loss	\$198,125	\$47,400	\$62,690	\$46,660	\$53,237	\$408,112
Fire, Other	# of Incidents	327	246	125	153	145	996
	Dollar Loss	\$41,232	\$44,451	\$200,975	\$28,350	\$44,895	\$359,903
Outside Rubbish Fires	# of Incidents	411	411	377	315	322	1,836
	Dollar Loss	\$36,541	\$39,361	\$17,991	\$36,875	\$20,825	\$151,593
Cultivated Vegetation Fires	# of Incidents	3	5	3	9	8	28
	Dollar Loss	\$0	\$1,000	\$20	\$41,100	\$1,000	\$43,120
Total # of Incidents		2,533	2,436	2,308	2,473	1,981	11,731
Total Dollar Loss		\$9,754,476	\$20,427,165	\$25,234,971	\$46,691,767	\$19,043,553	\$121,151,932

### 2006 – 2010 Structure Fires by Type (Sorted by Dollar Loss)

Structure Fires (including confined fires)		2006	2007	2008	2009	2010	Grand Total
Building fires	# of Incidents	309	316	339	369	337	1,670
	Dollar Loss	\$7,988,205	\$19,041,426	\$23,083,802	\$44,741,279	\$15,131,156	\$109,985,868
Fires in structures other than in a building	# of Incidents	19	27	26	23	17	112
	Dollar Loss	\$59,260	\$8,476	\$160,050	\$27,970	\$26,600	\$282,356
Cooking fire, confined to container	# of Incidents	110	117	152	132	135	646
	Dollar Loss	\$9,827	\$28,817	\$113,502	\$27,110	\$26,035	\$205,291
Chimney or flue fire, confined to chimney or flue	# of Incidents	168	141	155	137	110	711
	Dollar Loss	\$14,300	\$5,200	\$19,902	\$1,900	\$10,150	\$51,452
Trash or rubbish fire, contained	# of Incidents	49	52	27	31	23	182
	Dollar Loss	\$6,280	\$80	\$7,360	\$2,710	\$7,250	\$23,680
Fuel burner/boiler malfunction, fire confined	# of Incidents	4	5	8	5	5	27
	Dollar Loss	\$350	\$1,800	\$8,500	\$100	\$5,502	\$16,252
Commercial Compactor fire, confined to rubbish	# of Incidents	1	2	1	3	2	9
	Dollar Loss	\$0	\$5,000	\$0	\$10,000	\$0	\$15,000
Incinerator overload or malfunction, fire confined	# of Incidents	3	3	3	4	3	16
	Dollar Loss	\$5,000	\$0	\$0	\$5,000	\$2,000	\$12,000
Structure fire, other (conversion only)	# of Incidents	1					1
	Dollar Loss	\$0					\$0
Total # of Incidents		664	663	711	704	632	3,374
Total Dollar Loss		\$8,083,222	\$19,090,799	\$23,393,116	\$44,816,069	\$15,208,693	\$110,591,899



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

Property Use Category		2006	2007	2008	2009	2010	Grand Total
Residential	# of Incidents	4,660	4,023	4,011	4,146	3,501	20,341
	Dollar Loss	\$70,318,402	\$60,960,565	\$80,112,163	\$80,522,881	\$53,568,458	\$345,482,469
Mercantile & Business	# of Incidents	523	432	405	365	301	2,026
	Dollar Loss	\$3,333,930	\$10,950,356	\$2,591,846	\$4,790,025	\$8,587,103	\$30,253,260
Outside or Special Properties	# of Incidents	5,286	3,962	3,810	4,579	2,801	20,438
	Dollar Loss	\$4,669,927	\$7,473,967	\$7,764,390	\$4,709,160	\$4,594,968	\$29,212,412
Storage	# of Incidents	228	208	210	182	171	999
	Dollar Loss	\$7,485,176	\$3,514,418	\$3,945,587	\$6,043,688	\$3,562,430	\$24,551,299
Assembly	# of Incidents	324	261	270	312	202	1,369
	Dollar Loss	\$1,855,988	\$4,369,665	\$3,890,899	\$5,783,054	\$5,174,125	\$21,073,731
Manufacturing	# of Incidents	98	109	89	68	66	430
	Dollar Loss	\$4,229,060	\$1,346,369	\$2,034,440	\$1,385,065	\$1,658,211	\$10,653,145
Educational	# of Incidents	304	217	190	203	136	1,050
	Dollar Loss	\$480,104	\$2,495,929	\$265,960	\$2,884,216	\$319,576	\$6,445,785
Other Property Use	# of Incidents	432	328	322	255	190	1,527
	Dollar Loss	\$1,639,249	\$856,866	\$1,614,545	\$940,520	\$1,028,162	\$6,079,342
Health Care, Detention & Corrections	# of Incidents	104	88	93	89	72	446
	Dollar Loss	\$957,415	\$114,842	\$346,401	\$716,530	\$2,137,428	\$4,272,616
Utility, Defense, Agriculture, & Mining	# of Incidents	133	73	93	141	58	498
	Dollar Loss	\$505,090	\$151,200	\$2,253,400	\$237,850	\$599,000	\$3,746,540
Undetermined	# of Incidents	1,006	723	686	732	518	3,665
	Dollar Loss	\$340,996	\$312,791	\$446,314	\$101,464	\$28,975	\$1,230,540
None	# of Incidents	66	36	38	37	20	197
	Dollar Loss	\$285,350	\$21,350	\$61,200	\$2,350	\$200	\$370,450
Total # of Incidents		13,164	10,460	10,217	11,109	8,036	52,986
Total Dollar Loss		\$96,100,687	\$92,568,318	\$105,327,145	\$108,116,803	\$81,258,636	\$483,371,589

Area of Origin by Category		2006	2007	2008	2009	2010	Grand Total
Functional Areas	# of Incidents	1,043	1,127	1,339	1,410	1,363	6,282
	Dollar Loss	\$26,016,957	\$23,508,340	\$34,352,565	\$29,314,900	\$22,899,857	\$136,092,619
Structural Areas	# of Incidents	441	396	441	442	364	2,084
	Dollar Loss	\$20,685,174	\$20,803,405	\$16,165,454	\$34,303,609	\$12,347,776	\$104,305,418
Storage Areas	# of Incidents	274	252	266	292	269	1,353
	Dollar Loss	\$8,265,275	\$10,883,318	\$12,312,659	\$10,648,228	\$10,728,464	\$52,837,944
Undetermined	# of Incidents	347	333	332	352	283	1,647
	Dollar Loss	\$13,852,589	\$7,099,700	\$7,047,601	\$11,392,794	\$4,764,845	\$44,157,529
Vehicle Areas	# of Incidents	1,945	1,745	1,624	1,520	1,329	8,163
	Dollar Loss	\$5,932,363	\$7,408,751	\$10,078,984	\$6,319,081	\$7,795,501	\$37,534,680
Areas for Groups of People (Assembly)	# of Incidents	114	129	136	128	120	627
	Dollar Loss	\$7,503,617	\$10,905,390	\$3,732,478	\$4,634,674	\$8,348,836	\$35,124,995
Outside Areas	# of Incidents	2,613	1,774	1,836	2,591	1,412	10,226
	Dollar Loss	\$2,044,318	\$3,634,372	\$12,918,957	\$4,452,421	\$2,717,431	\$25,767,499
Service or Equipment Areas	# of Incidents	139	174	170	145	124	752
	Dollar Loss	\$4,141,070	\$3,764,923	\$2,578,027	\$3,570,218	\$4,667,816	\$18,722,054
Exit/Exit Access/Exit Discharge Areas	# of Incidents	88	94	103	105	105	495
	Dollar Loss	\$3,065,406	\$1,689,249	\$3,507,247	\$2,815,216	\$5,209,063	\$16,286,181
Technical Processing Areas	# of Incidents	16	30	20	28	19	113
	Dollar Loss	\$2,825,360	\$696,448	\$1,101,919	\$166,800	\$818,886	\$5,609,413
Other Areas of Origin	# of Incidents	166	168	143	162	159	798
	Dollar Loss	\$718,946	\$1,675,125	\$1,045,620	\$349,570	\$176,860	\$3,966,121
Total # of Incidents		7,186	6,222	6,410	7,175	5,547	32,540
Total Dollar Loss		\$95,051,075	\$92,069,021	\$104,841,511	\$107,967,511	\$80,475,335	\$480,404,453



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

Heat Source Categories		2006	2007	2008	2009	2010	Grand Total
Undetermined	# of Incidents	2,274	1,903	1,851	2,087	1,540	9,655
	Dollar Loss	\$33,422,811	\$33,885,884	\$38,209,009	\$36,793,102	\$29,854,870	\$172,165,676
Operating Equipment	# of Incidents	1,960	2,003	2,145	2,121	1,989	10,218
	Dollar Loss	\$29,424,170	\$28,855,931	\$27,519,656	\$42,861,017	\$24,436,410	\$153,097,184
Open Flame or Smoking Material	# of Incidents	1,322	975	1,010	1,195	828	5,330
	Dollar Loss	\$11,835,605	\$11,211,638	\$18,802,406	\$11,967,370	\$9,571,103	\$63,388,122
Hot or Smoldering Object	# of Incidents	884	715	768	899	605	3,871
	Dollar Loss	\$9,395,791	\$11,196,048	\$10,459,402	\$7,719,163	\$7,852,725	\$46,623,129
Explosives and Fireworks	# of Incidents	339	264	213	407	156	1,379
	Dollar Loss	\$6,121,352	\$2,096,403	\$1,266,120	\$4,364,450	\$2,433,137	\$16,281,462
Heat Source Other	# of Incidents	208	217	229	224	212	1,090
	Dollar Loss	\$1,639,334	\$2,456,299	\$2,863,676	\$1,589,296	\$2,796,859	\$11,345,464
Chemical or Natural	# of Incidents	77	60	76	90	59	362
	Dollar Loss	\$587,050	\$1,377,704	\$2,003,160	\$1,860,670	\$1,049,218	\$6,877,802
Heat Spread from Another Fire	# of Incidents	86	55	82	124	128	475
	Dollar Loss	\$1,585,462	\$720,589	\$1,611,082	\$705,443	\$1,946,163	\$6,568,739
Multiple Heat Sources	# of Incidents	36	30	37	29	30	162
	Dollar Loss	\$1,039,500	\$268,525	\$2,107,500	\$107,000	\$534,850	\$4,057,375
Total # of Incidents		7,186	6,222	6,411	7,176	5,547	32,542
Total Dollar Loss		\$95,051,075	\$92,069,021	\$104,842,011	\$107,967,511	\$80,475,335	\$480,404,953

Cause of Ignition		2006	2007	2008	2009	2010	Grand Total
Unintentional	# of Incidents	3,007	2,620	2,949	3,556	2,726	14,858
	Dollar Loss	\$44,116,407	\$43,635,827	\$38,459,423	\$56,791,728	\$30,037,870	\$213,041,255
Cause under investigation	# of Incidents	468	424	460	483	418	2,253
	Dollar Loss	\$18,072,555	\$20,990,220	\$30,611,330	\$26,110,162	\$18,152,088	\$113,936,355
Failure of equipment or heat source	# of Incidents	1,209	1,138	1,089	1,028	913	5,377
	Dollar Loss	\$13,317,928	\$11,358,945	\$12,282,603	\$10,549,121	\$10,310,484	\$57,819,081
Intentional	# of Incidents	1,028	956	988	979	799	4,750
	Dollar Loss	\$5,523,163	\$6,447,367	\$15,320,359	\$6,401,397	\$8,929,422	\$42,621,708
Cause undetermined after investigation	# of Incidents	857	651	559	799	501	3,367
	Dollar Loss	\$11,221,505	\$7,565,110	\$4,691,843	\$6,240,432	\$12,099,826	\$41,818,716
Cause Other	# of Incidents	556	388	323	286	144	1,697
	Dollar Loss	\$2,772,817	\$2,010,363	\$3,169,453	\$1,746,070	\$904,131	\$10,602,834
Act of nature	# of Incidents	63	45	43	45	46	242
	Dollar Loss	\$26,700	\$61,189	\$307,000	\$128,601	\$41,514	\$565,004
Total # of Incidents		7,188	6,222	6,411	7,176	5,547	32,544
Total Dollar Loss		\$95,051,075	\$92,069,021	\$104,842,011	\$107,967,511	\$80,475,335	\$480,404,953

## Region 5 Incident Reporting Summary for 2010

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Clark County		34,598	4	2,890	37,492	\$11,354,720
06D01	East County Fire & Rescue	564	0	134	698	\$392,000
06D03	Clark #3, Brush Prairie	935	0	172	1,107	\$1,328,500
06D06	Clark #6, Hazel Dell	5,015	0	175	5,190	\$484,846
06D10	Clark #10, Amboy	0	0	0	0	\$0
06D13	Clark #13, Yacolt	1	0	0	1	\$100
06D15	Clark County Fire and Rescue	3,265	0	109	3,374	\$757,780
06M02	Camas Fire Department	1,373	0	1,750	3,123	\$34,675
06M05	Vancouver Fire Department	22,115	4	483	22,602	\$8,216,779
06M06	Washougal Fire Department	1,330	0	67	1,397	\$140,040
Cowlitz County		11,857	0	551	12,408	\$4,444,681
08D01	Cowlitz #1, Woodland	0	0	0	0	\$0
08D02	Cowlitz #2, Kelso	3,543	0	202	3,745	\$2,178,391
08D03	Cowlitz #3, Toutle	306	0	3	309	\$0
08D04	Cowlitz #4, Ryderwood	6	0	0	6	\$0
08D05	Cowlitz #5, Kalama	595	0	133	728	\$35,200
08D06	Cowlitz #6, Castle Rock	958	0	71	1,029	\$8,000
08D07	Cowlitz/Skamania #7,Ariel	34	0	3	37	\$96,000
08M04	Longview Fire Department	5,493	0	75	5,568	\$2,012,177
08M05	Woodland Fire Department	922	0	64	986	\$114,913
Lewis County		6,596	0	2,339	8,935	\$3,302,812
21D01	Lewis #1, Onalaska	29	0	1	30	\$733
21D02	Lewis #2, Toledo	512	0	1,636	2,148	\$727,400
21D03	Lewis #3, Mossyrock	203	0	22	225	\$0
21D04	Lewis #4, Morton	27	0	69	96	\$40,000
21D05	Lewis #5, Napavine	677	0	69	746	\$35,000
21D06	Lewis #6, Chehalis	522	0	240	762	\$247,250
21D07	Lewis #7, Vader	193	0	43	236	\$0
21D08	Lewis #8, Salkum/Silver Creek	30	0	5	35	\$1,569,129
21D09	Lewis #9, Mineral	9	0	26	35	\$0
21D10	Lewis #10, Packwood	8	0	0	8	\$35,000
21D11	Lewis #11, Pe Ell	0	0	0	0	\$0
21D13	Lewis #13, Curtis	69	0	4	73	\$70,000
21D14	Lewis #14, Randle	204	0	2	206	\$43,850
21D15	Lewis #15, Winlock	511	0	109	620	\$0
21D16	Lewis #16, Doty/Dryad/Meskill	2	0	0	2	\$0
21D18	Lewis #18, Glenoma	79	0	30	109	\$3,000
21M01	Riverside Fire Authority	3,269	0	40	3,309	\$355,450
21M02	Chehalis Fire Department	186	0	43	229	\$176,000
21M03	Morton Fire Department	66	0	0	66	\$0
Skamania County		39	0	24	63	\$334,800
30D01	Skamania #1, Carson	0	0	0	0	\$0
30D03	Skamania #3, Underwood	27	0	5	32	\$34,800
30D04	Skamania #4, Washougal	0	0	0	0	\$0
30D05	Skamania #5	8	0	19	27	\$0
30D06	Skamania #6, Cougar	0	0	0	0	\$0
30M01	North Bonneville Fire Department	0	0	0	0	\$0
30M02	Stevenson/Skamania #2	0	0	0	0	\$0
30S01	Mill-A Volunteers Fire Department	4	0	0	4	\$300,000
Wahkiakum County		12	0	2	14	\$302,000
35D01	Wahkiakum #1, Cathlamet	10	0	2	12	\$0
35D02	Wahkiakum #2, Skamokawa	0	0	0	0	\$0
35D03	Wahkiakum #3, Grays River	2	0	0	2	\$302,000
35D04	Wahkiakum #4, Cathlamet	0	0	0	0	\$0
35M01	Cathlamet Fire Department	0	0	0	0	\$0
Region 5 Totals		53,102	4	5,806	58,912	\$19,739,013

## Region 6

Chelan, Douglas, Grant, and Okanogan counties make up Region 6. In 2010, 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

Incident Type Category		2006	2007	2008	2009	2010	Grand Total
<b>Fire</b>	<i># of Incidents</i>	1,281	1,412	1,302	1,263	1,252	6,510
	<i>Dollar Loss</i>	\$18,453,782	\$7,575,642	\$5,994,559	\$20,208,916	\$9,204,804	\$61,437,703
<b>Rescue and Emergency Medical Service</b>	<i># of Incidents</i>	5,026	5,834	5,658	6,914	6,148	29,580
	<i>Dollar Loss</i>	\$36,000	\$21,000	\$15,000	\$75,500	\$152,050	\$299,550
<b>Service Calls</b>	<i># of Incidents</i>	325	364	393	354	353	1,789
	<i>Dollar Loss</i>	\$87,700	\$5,700	\$128,800	\$20,500	\$0	\$242,700
<b>False Alarms &amp; False Calls</b>	<i># of Incidents</i>	641	674	759	727	726	3,527
	<i>Dollar Loss</i>	\$6,000	\$5,000	\$166,300	\$5,000	\$0	\$182,300
<b>Hazardous Conditions (No Fire)</b>	<i># of Incidents</i>	298	385	281	296	311	1,571
	<i>Dollar Loss</i>	\$10,565	\$52,310	\$600	\$320	\$4,150	\$67,945
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>	<i># of Incidents</i>	41	48	42	44	49	224
	<i>Dollar Loss</i>	\$1,000	\$5,110	\$4,500	\$100	\$1,750	\$12,460
<b>Severe Weather &amp; Natural Disaster</b>	<i># of Incidents</i>	19	164	6	13	10	212
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$1,000	\$1,000
<b>Good Intent Calls</b>	<i># of Incidents</i>	1,156	1,264	1,250	1,270	1,308	6,248
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
<b>Other Types of Incidents</b>	<i># of Incidents</i>	33	19	33	34	30	149
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		8,820	10,164	9,724	10,915	10,187	49,810
Total Dollar Loss		\$18,595,047	\$7,664,762	\$6,309,759	\$20,310,336	\$9,363,754	\$62,243,658

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

Over the past five years, 6,510 fire incidents, resulting in more than \$61 million in property and content loss, have been reported by fire service agencies in Region 6. Structure fires, including confined fires, accounted for nearly 23% of the five-year total and 87% of the dollar loss to property and content.

### 2006 – 2010 Fires Incidents by Type (Sorted by Dollar Loss)

Fire Incident Type Category		2006	2007	2008	2009	2010	Grand Total
Structure Fires (including confined fires)	# of Incidents	308	298	292	306	287	1,491
	Dollar Loss	\$17,914,846	\$4,664,915	\$4,877,250	\$17,756,262	\$8,340,884	\$53,554,157
Vehicle Fires (Mobile Properties)	# of Incidents	197	195	192	189	179	952
	Dollar Loss	\$321,331	\$925,517	\$679,934	\$618,679	\$342,000	\$2,887,461
Fixed Mobile Property Fires	# of Incidents	16	17	21	33	14	101
	Dollar Loss	\$76,500	\$918,200	\$212,000	\$357,000	\$104,930	\$1,668,630
Natural Vegetation Fires	# of Incidents	440	507	452	440	468	2,307
	Dollar Loss	\$9,515	\$30,750	\$131,375	\$1,091,025	\$388,610	\$1,651,275
Cultivated Vegetation Fires	# of Incidents	19	32	31	39	43	164
	Dollar Loss	\$32,800	\$692,500	\$52,000	\$355,000	\$125	\$1,132,425
Outside Storage & Equipment Fires	# of Incidents	49	57	71	51	57	285
	Dollar Loss	\$66,520	\$224,860	\$34,950	\$5,200	\$14,450	\$345,980
Outside Rubbish Fires	# of Incidents	165	159	196	153	154	827
	Dollar Loss	\$13,700	\$65,550	\$3,750	\$13,800	\$9,205	\$106,005
Fire, Other	# of Incidents	87	147	47	52	50	383
	Dollar Loss	\$18,570	\$53,350	\$3,300	\$11,950	\$4,600	\$91,770
Total # of Incidents		1,281	1,412	1,302	1,263	1,252	6,510
Total Dollar Loss		\$18,453,782	\$7,575,642	\$5,994,559	\$20,208,916	\$9,204,804	\$61,437,703

### 2006 – 2010 Structure Fires by Type (Sorted by Dollar Loss)

Structure Fires (including confined fires)		2006	2007	2008	2009	2010	Grand Total
Building fires	# of Incidents	194	182	179	187	180	922
	Dollar Loss	\$17,848,471	\$4,635,815	\$4,863,750	\$17,701,762	\$8,246,802	\$53,296,600
Fires in structures other than in a building	# of Incidents	13	8	12	13	12	58
	Dollar Loss	\$62,600	\$5,000	\$0	\$26,100	\$73,402	\$167,102
Cooking fire, confined to container	# of Incidents	38	38	27	29	36	168
	Dollar Loss	\$2,325	\$24,000	\$5,500	\$3,200	\$10,530	\$45,555
Chimney or flue fire, confined to chimney or flue	# of Incidents	43	49	45	58	47	242
	Dollar Loss	\$1,050	\$100	\$6,500	\$24,000	\$8,500	\$40,150
Trash or rubbish fire, contained	# of Incidents	17	19	24	11	10	81
	Dollar Loss	\$100	\$0	\$500	\$1,200	\$1,650	\$3,450
Fuel burner/boiler malfunction, fire confined	# of Incidents	1	0	4	6	2	13
	Dollar Loss	\$0	\$0	\$1,000	\$0	\$0	\$1,000
Commercial Compactor fire, confined to rubbish	# of Incidents	2	0	0	1	0	3
	Dollar Loss	\$300	\$0	\$0	\$0	\$0	\$300
Incinerator overload or malfunction, fire confined	# of Incidents	0	1	1	1	0	3
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Structure fire, other (conversion only)	# of Incidents	0	1	0	0	0	1
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		308	298	292	306	287	1,491
Total Dollar Loss		\$17,914,846	\$4,664,915	\$4,877,250	\$17,756,262	\$8,340,884	\$53,554,157

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

Property Use Category		2006	2007	2008	2009	2010	Grand Total
Residential	# of Incidents	339	367	316	369	360	1,751
	Dollar Loss	\$2,517,490	\$4,864,865	\$2,488,075	\$7,560,760	\$5,809,841	\$23,241,031
Manufacturing	# of Incidents	25	12	12	9	8	66
	Dollar Loss	\$10,914,000	\$132,000	\$60,000	\$8,500,500	\$16,001	\$19,622,501
Storage	# of Incidents	74	41	42	42	41	240
	Dollar Loss	\$3,832,427	\$241,600	\$701,175	\$1,522,850	\$2,319,700	\$8,617,752
Utility, Defense, Agriculture, & Mining	# of Incidents	62	107	90	77	70	406
	Dollar Loss	\$69,520	\$973,800	\$522,234	\$1,486,950	\$59,725	\$3,112,229
Mercantile & Business	# of Incidents	28	36	36	27	29	156
	Dollar Loss	\$822,300	\$145,650	\$1,755,300	\$50,000	\$12,100	\$2,785,350
Outside or Special Properties	# of Incidents	665	693	689	611	644	3,302
	Dollar Loss	\$271,165	\$569,527	\$412,075	\$513,150	\$678,130	\$2,444,047
Assembly	# of Incidents	24	21	15	17	22	99
	Dollar Loss	\$19,800	\$461,000	\$1,000	\$50,200	\$249,605	\$781,605
Educational	# of Incidents	5	7	6	8	5	31
	Dollar Loss	\$1,550	\$0	\$0	\$500,500	\$1,000	\$503,050
Other Property Use	# of Incidents	34	91	46	20	27	218
	Dollar Loss	\$330	\$128,200	\$42,000	\$6,000	\$52,600	\$229,130
Undetermined	# of Incidents	15	20	9	27	28	99
	Dollar Loss	\$0	\$50,000	\$3,700	\$0	\$0	\$53,700
None	# of Incidents	6	12	36	51	10	115
	Dollar Loss	\$5,000	\$4,000	\$1,500	\$18,006	\$5,002	\$33,508
Health Care, Detention & Corrections	# of Incidents	4	5	5	5	8	27
	Dollar Loss	\$200	\$5,000	\$7,500	\$0	\$1,100	\$13,800
Total # of Incidents		1,281	1,412	1,302	1,263	1,252	6,510
Total Dollar Loss		\$18,453,782	\$7,575,642	\$5,994,559	\$20,208,916	\$9,204,804	\$61,437,703

Area of Origin by Category		2006	2007	2008	2009	2010	Grand Total
Storage Areas	# of Incidents	27	28	30	36	30	151
	Dollar Loss	\$11,066,300	\$270,300	\$945,000	\$12,179,100	\$625,150	\$25,085,850
Structural Areas	# of Incidents	49	46	58	68	55	276
	Dollar Loss	\$2,010,101	\$856,400	\$692,450	\$934,600	\$3,958,231	\$8,451,782
Functional Areas	# of Incidents	65	64	72	66	76	343
	Dollar Loss	\$974,320	\$1,621,915	\$1,828,600	\$828,312	\$2,154,853	\$7,408,000
Undetermined	# of Incidents	140	104	101	127	112	584
	Dollar Loss	\$31,751	\$1,554,450	\$881,600	\$1,963,002	\$942,700	\$5,373,503
Service or Equipment Areas	# of Incidents	19	18	26	18	20	101
	Dollar Loss	\$3,311,500	\$308,180	\$195,600	\$68,000	\$8,100	\$3,891,380
Outside Areas	# of Incidents	209	297	310	347	306	1,469
	Dollar Loss	\$423,350	\$771,610	\$531,650	\$1,120,125	\$377,100	\$3,223,835
Vehicle Areas	# of Incidents	141	159	145	151	140	736
	Dollar Loss	\$255,580	\$944,787	\$586,834	\$452,877	\$196,430	\$2,436,508
Exit/Exit Access/Exit Discharge Areas	# of Incidents	7	9	7	8	13	44
	Dollar Loss	\$245,500	\$396,500	\$84,500	\$539,000	\$148,100	\$1,413,600
Areas for Groups of People (Assembly)	# of Incidents	5	9	8	11	4	37
	Dollar Loss	\$81,000	\$500,200	\$64,700	\$646,000	\$22,000	\$1,313,900
Other Areas of Origin	# of Incidents	13	19	20	31	40	123
	Dollar Loss	\$12,100	\$1,500	\$48,000	\$16,000	\$327,700	\$405,300
Technical Processing Areas	# of Incidents	0	2	2	1	0	5
	Dollar Loss	\$0	\$0	\$5,000	\$0	\$0	\$5,000
Total # of Incidents		675	755	779	864	796	3,869
Total Dollar Loss		\$18,411,502	\$7,225,842	\$5,863,934	\$18,747,016	\$8,760,364	\$59,008,658

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

Heat Source Categories		2006	2007	2008	2009	2010	Grand Total
Undetermined	<i># of Incidents</i>	280	330	324	359	304	1,597
	<i>Dollar Loss</i>	\$14,217,881	\$4,625,045	\$2,959,200	\$15,114,885	\$1,538,850	\$38,455,861
Operating Equipment	<i># of Incidents</i>	161	156	169	171	172	829
	<i>Dollar Loss</i>	\$2,956,126	\$1,644,120	\$1,238,100	\$1,296,350	\$4,204,879	\$11,339,575
Heat Spread from Another Fire	<i># of Incidents</i>	19	32	46	47	42	186
	<i>Dollar Loss</i>	\$838,000	\$112,500	\$6,500	\$781,500	\$1,833,600	\$3,572,100
Hot or Smoldering Object	<i># of Incidents</i>	68	84	85	69	99	405
	<i>Dollar Loss</i>	\$153,060	\$554,677	\$401,634	\$526,475	\$792,650	\$2,428,496
Heat Source Other	<i># of Incidents</i>	45	43	46	76	45	255
	<i>Dollar Loss</i>	\$53,500	\$60,500	\$320,000	\$668,702	\$225,451	\$1,328,153
Open Flame or Smoking Material	<i># of Incidents</i>	56	79	67	75	63	340
	<i>Dollar Loss</i>	\$184,335	\$141,900	\$479,700	\$329,600	\$116,900	\$1,252,435
Chemical or Natural	<i># of Incidents</i>	32	15	18	34	29	128
	<i>Dollar Loss</i>	\$8,600	\$55,000	\$450,500	\$0	\$48,030	\$562,130
Explosives and Fireworks	<i># of Incidents</i>	13	14	20	23	36	106
	<i>Dollar Loss</i>	\$0	\$32,100	\$8,300	\$0	\$0	\$40,400
Multiple Heat Sources	<i># of Incidents</i>	1	2	4	10	6	23
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$29,504	\$4	\$29,508
Total # of Incidents		675	755	779	864	796	3,869
Total Dollar Loss		\$18,411,502	\$7,225,842	\$5,863,934	\$18,747,016	\$8,760,364	\$59,008,658

Cause of Ignition		2006	2007	2008	2009	2010	Grand Total
Cause under investigation	<i># of Incidents</i>	76	89	86	99	68	418
	<i>Dollar Loss</i>	\$4,633,726	\$1,795,995	\$711,025	\$12,997,352	\$3,092,900	\$23,230,998
Cause Other	<i># of Incidents</i>	77	64	35	34	32	242
	<i>Dollar Loss</i>	\$10,853,300	\$147,000	\$500	\$95,500	\$13,800	\$11,110,100
Unintentional	<i># of Incidents</i>	213	273	305	310	311	1,412
	<i>Dollar Loss</i>	\$964,270	\$3,121,632	\$2,311,434	\$1,995,879	\$2,370,164	\$10,763,379
Cause undetermined after investigation	<i># of Incidents</i>	87	125	122	176	152	662
	<i>Dollar Loss</i>	\$1,116,381	\$1,108,950	\$1,789,050	\$3,160,000	\$533,750	\$7,708,131
Failure of equipment or heat source	<i># of Incidents</i>	113	98	130	105	101	547
	<i>Dollar Loss</i>	\$703,050	\$471,615	\$798,050	\$289,575	\$2,558,750	\$4,821,040
Intentional	<i># of Incidents</i>	68	83	71	74	94	390
	<i>Dollar Loss</i>	\$75,075	\$580,650	\$252,875	\$128,710	\$158,500	\$1,195,810
Act of nature	<i># of Incidents</i>	41	23	30	65	38	197
	<i>Dollar Loss</i>	\$65,700	\$0	\$1,000	\$80,000	\$32,500	\$179,200
Total # of Incidents		675	755	779	863	796	3,868
Total Dollar Loss		\$18,411,502	\$7,225,842	\$5,863,934	\$18,747,016	\$8,760,364	\$59,008,658

## Region 6 Incident Reporting Summary for 2010

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Chelan County		4,523	3	612	5,138	\$4,876,175
04D01	Chelan #1, Sunnyslope	419	0	217	636	\$50,000
04D03	Chelan #3, Leavenworth	492	0	96	588	\$25,000
04D04	Chelan #4, Ponderosa	11	0	10	21	\$0
04D05	Chelan #5, Manson	64	0	23	87	\$51,500
04D06	Chelan #6, Monitor/Dryden	255	0	24	279	\$266,400
04D07	Chelan #7, Chelan/Chelan Falls	630	0	52	682	\$3,619,119
04D08	Chelan #8, Entiat	0	0	0	0	\$0
04D09	Chelan #9, Lake Wenatchee/Plain	70	0	35	105	\$0
04D10	Chelan #10, Stehekin	0	0	0	0	\$0
04M01	Cashmere Fire Department	55	0	18	73	\$105,700
04M05	Wenatchee Fire Department	2,527	3	137	2,667	\$758,456
Douglas County		1,207	0	250	1,457	\$239,200
09D01	Douglas #1, Waterville	55	0	8	63	\$125,200
09D02	Douglas #2, East Wenatchee/Rock Island	1,110	0	111	1,221	\$93,400
09D03	Douglas #3, Grand Coulee	18	0	5	23	\$14,000
09D04	Douglas #4, Orondo	4	0	120	124	\$0
09D05	Douglas #5, Mansfield	17	0	6	23	\$0
09M01	Bridgeport Fire Department/Ambulance	3	0	0	3	\$6,600
Grant County		3,673	1	221	3,895	\$2,322,885
13D03	Grant #3, Quincy	402	0	18	420	\$0
13D04	Grant #4, Warden	58	0	3	61	\$125
13D05	Grant #5, Moses Lake	1,549	0	18	1,567	\$722,100
13D06	Grant #6, Hartline	0	0	0	0	\$0
13D07	Grant #7, Soap Lake	208	0	12	220	\$0
13D08	Grant #8	366	0	23	389	\$0
13D10	Grant #10, Royal Slope	68	0	12	80	\$1,020,000
13D11	Grant #11, East Royal Slope	38	0	3	41	\$0
13D12	Grant #12, Wilson Creek	25	0	3	28	\$0
13D13	Grant #13, Ephrata	95	0	63	158	\$0
13D14	Grant #14, Electric City	0	0	0	0	\$0
13M01	Coulee City/Douglas #8	5	0	4	9	\$0
13M03	Electric City Fire Department	15	0	5	20	\$0
13M04	Ephrata Fire Department	212	0	15	227	\$66,500
13M05	Grand Coulee Fire Department	0	0	0	0	\$0
13M06	Hartline Fire Department	0	0	0	0	\$0
13M08	Moses Lake Fire Department	474	1	7	482	\$490,560
13M09	Quincy Fire Department	131	0	0	131	\$0
13M10	Soap Lake Fire Department	27	0	35	62	\$23,600

## Region 6 Incident Reporting Summary for 2010 (Continued)

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Okanogan County		731	0	246	977	\$1,925,494
24D02	Okanogan #2, Elmer City	6	0	0	6	\$0
24D03	Okanogan #3, Malott	134	0	60	194	\$729,580
24D04	Okanogan #4, Tonasket	27	0	4	31	\$4
24D06	Okanogan#6/City of Winthrop	101	0	78	179	\$206,500
24D07	Okanogan #7, Riverside	11	0	10	21	\$7,010
24D08	Okanogan #8, Okanogan	0	0	6	6	\$0
24D09	Okanogan #9, Rural Conconully	2	0	5	7	\$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	30	0	4	34	\$0
24D16	Okanogan #16	23	0	7	30	\$0
24M00	Brewster Fire Department	0	0	0	0	\$0
24M01	Coulee Dam Fire Department	0	0	0	0	\$0
24M03	Nespelem Fire Department	56	0	0	56	\$0
24M04	Okanogan Fire Department	53	0	34	87	\$181,000
24M05	Omak Fire Department	148	0	1	149	\$464,400
24M06	Oroville/Okanogan #1	79	0	4	83	\$337,000
24M07	Pateros Fire Department	0	0	0	0	\$0
24M09	Twisp Fire Department	31	0	33	64	\$0
24M11	Conconully Fire Department	30	0	0	30	\$0
Region 6 Totals		10,134	4	1,329	11,467	\$9,363,754



## Region 7

Kittitas, Klickitat, and Yakima counties make up Region 7. In 2010, 84% 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		2006	2007	2008	2009	2010	Grand Total
<b>Fire</b>	<i># of Incidents</i>	1,954	2,054	1,868	1,963	1,619	9,458
	<i>Dollar Loss</i>	\$22,158,606	\$24,806,928	\$18,430,067	\$21,142,033	\$34,782,958	\$121,320,592
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>	<i># of Incidents</i>	29	15	31	28	31	134
	<i>Dollar Loss</i>	\$500	\$0	\$3,500	\$4,020	\$5,001,800	\$5,009,820
<b>Rescue and Emergency Medical Service</b>	<i># of Incidents</i>	15,843	15,642	17,086	17,574	18,258	84,403
	<i>Dollar Loss</i>	\$109,700	\$116,800	\$149,800	\$860,800	\$341,970	\$1,579,070
<b>Service Calls</b>	<i># of Incidents</i>	996	936	1,117	1,069	1,061	5,179
	<i>Dollar Loss</i>	\$164,400	\$12,750	\$308,630	\$82,063	\$21,600	\$589,443
<b>False Alarms &amp; False Calls</b>	<i># of Incidents</i>	1,239	1,157	1,334	1,359	1,307	6,396
	<i>Dollar Loss</i>	\$0	\$33,500	\$353,000	\$87,850	\$28,000	\$502,350
<b>Hazardous Conditions (No Fire)</b>	<i># of Incidents</i>	527	465	467	478	382	2,319
	<i>Dollar Loss</i>	\$6,170	\$59,615	\$116,570	\$180,420	\$29,630	\$392,405
<b>Severe Weather &amp; Natural Disaster</b>	<i># of Incidents</i>	12	19	10	13	9	63
	<i>Dollar Loss</i>	\$0	\$0	\$27,900	\$0	\$0	\$27,900
<b>Good Intent Calls</b>	<i># of Incidents</i>	2,085	1,700	2,393	2,448	2,388	11,014
	<i>Dollar Loss</i>	\$0	\$6,200	\$7,005	\$1,925	\$1,305	\$16,435
<b>Other Types of Incidents</b>	<i># of Incidents</i>	56	55	52	69	81	313
	<i>Dollar Loss</i>	\$800	\$2,500	\$5,100	\$2,000	\$0	\$10,400
Total Number of Incidents		22,741	22,043	24,358	25,001	25,136	119,279
Total Property and Content Loss		\$22,440,176	\$25,038,293	\$19,401,572	\$22,361,111	\$40,207,263	\$129,448,415

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

Over the past five years, 9,458 fire incidents, resulting in more than \$121 million in property and content loss, have been reported by fire service agencies in Region 7. Structure fires, including confined fires, accounted for 28% of the five-year total and nearly 86% of the dollar loss to property and content.

### 2006 – 2010 Fires Incidents by Type (Sorted by Dollar Loss)

Fire Incident Type Category		2006	2007	2008	2009	2010	Grand Total
<b>Structure Fires (including confined fires)</b>	<i># of Incidents</i>	541	560	543	537	502	2,683
	<i>Dollar Loss</i>	\$19,261,859	\$21,000,173	\$14,543,290	\$16,572,815	\$32,844,680	\$104,222,817
<b>Vehicle Fires (Mobile Properties)</b>	<i># of Incidents</i>	374	353	371	365	293	1,756
	<i>Dollar Loss</i>	\$1,647,088	\$1,503,755	\$2,633,300	\$1,764,690	\$1,162,480	\$8,711,313
<b>Outside Storage &amp; Equipment Fires</b>	<i># of Incidents</i>	63	75	71	76	55	340
	<i>Dollar Loss</i>	\$791,399	\$1,436,470	\$64,350	\$1,272,090	\$52,452	\$3,616,761
<b>Natural Vegetation Fires</b>	<i># of Incidents</i>	634	700	585	700	495	3,114
	<i>Dollar Loss</i>	\$82,335	\$441,100	\$326,800	\$488,835	\$167,780	\$1,506,850
<b>Cultivated Vegetation Fires</b>	<i># of Incidents</i>	25	24	32	21	17	119
	<i>Dollar Loss</i>	\$91,100	\$95,800	\$571,915	\$577,800	\$162,190	\$1,498,805
<b>Fixed Mobile Property Fires</b>	<i># of Incidents</i>	21	25	11	18	16	91
	<i>Dollar Loss</i>	\$244,700	\$96,000	\$62,902	\$350,400	\$199,401	\$953,403
<b>Fire, Other</b>	<i># of Incidents</i>	111	160	105	96	94	566
	<i>Dollar Loss</i>	\$28,660	\$213,650	\$135,460	\$95,570	\$186,785	\$660,125
<b>Outside Rubbish Fires</b>	<i># of Incidents</i>	185	157	150	150	147	789
	<i>Dollar Loss</i>	\$11,465	\$19,980	\$92,050	\$19,833	\$7,190	\$150,518
Total # of Incidents		1,954	2,054	1,868	1,963	1,619	9,458
Total Dollar Loss		\$22,158,606	\$24,806,928	\$18,430,067	\$21,142,033	\$34,782,958	\$121,320,592

### 2006 – 2010 Structure Fires by Type (Sorted by Dollar Loss)

Structure Fires (including confined fires)		2006	2007	2008	2009	2010	Grand Total
<b>Building fires</b>	<i># of Incidents</i>	361	368	372	373	330	1,804
	<i>Dollar Loss</i>	\$19,185,664	\$20,617,610	\$14,486,380	\$16,528,050	\$32,811,495	\$103,629,199
<b>Fires in structures other than in a building</b>	<i># of Incidents</i>	26	29	15	7	7	84
	<i>Dollar Loss</i>	\$56,110	\$292,201	\$30,500	\$3,805	\$5,100	\$387,716
<b>Cooking fire, confined to container</b>	<i># of Incidents</i>	77	63	52	69	67	328
	<i>Dollar Loss</i>	\$12,710	\$27,417	\$8,610	\$13,555	\$23,635	\$85,927
<b>Fuel burner/boiler malfunction, fire confined</b>	<i># of Incidents</i>	5	4	2	2	7	20
	<i>Dollar Loss</i>	\$50	\$51,000	\$2,500	\$1,500	\$500	\$55,550
<b>Chimney or flue fire, confined to chimney or flue</b>	<i># of Incidents</i>	46	65	81	60	65	317
	<i>Dollar Loss</i>	\$5,200	\$5,300	\$12,900	\$10,500	\$300	\$34,200
<b>Trash or rubbish fire, contained</b>	<i># of Incidents</i>	23	28	20	22	25	118
	<i>Dollar Loss</i>	\$1,825	\$6,645	\$2,400	\$11,905	\$2,150	\$24,925
<b>Commercial Compactor fire, confined to rubbish</b>	<i># of Incidents</i>	0	1	1	4	1	7
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$3,500	\$1,500	\$5,000
<b>Incinerator overload or malfunction, fire confined</b>	<i># of Incidents</i>	3	2	0	0	0	5
	<i>Dollar Loss</i>	\$300	\$0	\$0	\$0	\$0	\$300
Total # of Incidents		541	560	543	537	502	2,683
Total Dollar Loss		\$19,261,859	\$21,000,173	\$14,543,290	\$16,572,815	\$32,844,680	\$104,222,817

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

Property Use Category		2006	2007	2008	2009	2010	Grand Total
Residential	# of Incidents	640	645	656	642	570	3,153
	Dollar Loss	\$8,641,599	\$11,346,635	\$9,222,307	\$9,309,155	\$8,255,080	\$46,774,776
Storage	# of Incidents	74	101	74	87	54	390
	Dollar Loss	\$7,915,450	\$9,574,200	\$1,779,250	\$5,270,200	\$18,681,750	\$43,220,850
Manufacturing	# of Incidents	27	38	28	27	26	146
	Dollar Loss	\$714,650	\$435,700	\$2,504,655	\$3,016,700	\$2,690,480	\$9,362,185
Outside or Special Properties	# of Incidents	1,023	1,025	871	965	780	4,664
	Dollar Loss	\$1,548,132	\$1,623,185	\$2,663,820	\$2,074,383	\$1,016,027	\$8,925,547
Mercantile & Business	# of Incidents	36	55	44	32	52	219
	Dollar Loss	\$491,200	\$1,179,600	\$1,292,835	\$743,920	\$2,815,150	\$6,522,705
Educational	# of Incidents	16	17	9	7	7	56
	Dollar Loss	\$2,311,275	\$2,588	\$212,500	\$50,300	\$7,251	\$2,583,914
Assembly	# of Incidents	29	29	28	21	21	128
	Dollar Loss	\$20,950	\$290,100	\$68,985	\$35,200	\$1,026,050	\$1,441,285
None	# of Incidents	18	60	73	61	48	260
	Dollar Loss	\$5,500	\$97,200	\$542,000	\$130,100	\$203,000	\$977,800
Utility, Defense, Agriculture, & Mining	# of Incidents	58	50	48	74	31	261
	Dollar Loss	\$131,850	\$83,720	\$138,915	\$439,725	\$82,400	\$876,610
Health Care, Detention & Corrections	# of Incidents	7	5	7	8	8	35
	Dollar Loss	\$225,000	\$162,000	\$3,000	\$1,950	\$0	\$391,950
Other Property Use	# of Incidents	14	12	19	21	12	78
	Dollar Loss	\$48,000	\$2,000	\$1,800	\$70,400	\$5,770	\$127,970
Undetermined	# of Incidents	12	16	11	18	10	67
	Dollar Loss	\$105,000	\$10,000	\$0	\$0	\$0	\$115,000
Total # of Incidents		1,954	2,053	1,868	1,963	1,619	9,457
Total Dollar Loss		\$22,158,606	\$24,806,928	\$18,430,067	\$21,142,033	\$34,782,958	\$121,320,592

Area of Origin by Category		2006	2007	2008	2009	2010	Grand Total
Undetermined	# of Incidents	180	173	194	189	159	895
	Dollar Loss	\$11,441,550	\$4,305,800	\$4,574,077	\$3,124,450	\$21,342,300	\$44,788,177
Storage Areas	# of Incidents	55	58	57	70	42	282
	Dollar Loss	\$1,346,000	\$6,809,050	\$2,044,270	\$4,253,250	\$459,620	\$14,912,190
Structural Areas	# of Incidents	109	104	123	98	109	543
	Dollar Loss	\$2,061,850	\$2,129,860	\$3,221,250	\$3,319,955	\$3,282,600	\$14,015,515
Outside Areas	# of Incidents	405	508	535	547	410	2,405
	Dollar Loss	\$1,297,349	\$1,970,496	\$2,193,505	\$3,617,048	\$4,302,020	\$13,380,418
Functional Areas	# of Incidents	181	159	169	178	175	862
	Dollar Loss	\$3,014,124	\$2,981,117	\$2,328,020	\$2,188,680	\$2,725,888	\$13,237,829
Vehicle Areas	# of Incidents	282	294	287	287	259	1,409
	Dollar Loss	\$1,021,088	\$1,261,255	\$1,454,610	\$1,728,140	\$1,141,730	\$6,606,823
Service or Equipment Areas	# of Incidents	43	25	46	55	44	213
	Dollar Loss	\$536,050	\$2,041,950	\$1,627,200	\$1,272,350	\$104,600	\$5,582,150
Areas for Groups of People (Assembly)	# of Incidents	21	46	18	18	20	123
	Dollar Loss	\$425,450	\$2,104,100	\$611,050	\$241,755	\$458,500	\$3,840,855
Other Areas of Origin	# of Incidents	54	52	110	81	58	355
	Dollar Loss	\$543,300	\$132,720	\$178,555	\$498,820	\$324,250	\$1,677,645
Exit/Exit Access/Exit Discharge Areas	# of Incidents	15	16	8	20	10	69
	Dollar Loss	\$111,500	\$376,600	\$107,500	\$376,650	\$503,550	\$1,475,800
Technical Processing Areas	# of Incidents	2	3	1	2	2	10
	Dollar Loss	\$205,000	\$163,000	\$0	\$3,500	\$99,000	\$470,500
Total # of Incidents		1,347	1,438	1,548	1,545	1,288	7,166
Total Dollar Loss		\$22,003,261	\$24,275,948	\$18,340,037	\$20,624,598	\$34,744,058	\$119,987,902

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

Heat Source Categories		2006	2007	2008	2009	2010	Grand Total
Undetermined	<i># of Incidents</i>	569	611	615	628	515	2,938
	<i>Dollar Loss</i>	\$14,890,843	\$13,418,896	\$9,419,057	\$11,205,940	\$29,018,878	\$77,953,614
Operating Equipment	<i># of Incidents</i>	329	311	369	385	355	1,749
	<i>Dollar Loss</i>	\$3,115,540	\$4,944,792	\$4,250,415	\$5,228,920	\$2,942,735	\$20,482,402
Hot or Smoldering Object	<i># of Incidents</i>	124	132	155	149	124	684
	<i>Dollar Loss</i>	\$494,350	\$2,947,280	\$910,700	\$858,328	\$1,646,150	\$6,856,808
Open Flame or Smoking Material	<i># of Incidents</i>	155	193	178	182	156	864
	<i>Dollar Loss</i>	\$1,150,239	\$1,043,425	\$1,468,860	\$1,142,715	\$463,445	\$5,268,684
Heat Source Other	<i># of Incidents</i>	69	62	82	51	34	298
	<i>Dollar Loss</i>	\$876,179	\$753,305	\$784,500	\$267,300	\$131,100	\$2,812,384
Chemical or Natural	<i># of Incidents</i>	22	19	47	32	22	142
	<i>Dollar Loss</i>	\$810,060	\$838,800	\$242,055	\$711,450	\$141,100	\$2,743,465
Heat Spread from Another Fire	<i># of Incidents</i>	31	38	59	60	43	231
	<i>Dollar Loss</i>	\$361,050	\$195,000	\$799,200	\$396,195	\$353,750	\$2,105,195
Explosives and Fireworks	<i># of Incidents</i>	43	65	34	53	37	232
	<i>Dollar Loss</i>	\$255,000	\$123,350	\$10,550	\$807,750	\$36,900	\$1,233,550
Multiple Heat Sources	<i># of Incidents</i>	5	7	9	5	2	28
	<i>Dollar Loss</i>	\$50,000	\$11,100	\$454,700	\$6,000	\$10,000	\$531,800
Total # of Incidents		1,347	1,438	1,548	1,545	1,288	7,166
Total Dollar Loss		\$22,003,261	\$24,275,948	\$18,340,037	\$20,624,598	\$34,744,058	\$119,987,902

Cause of Ignition		2006	2007	2008	2009	2010	Grand Total
Cause under investigation	<i># of Incidents</i>	127	143	130	137	94	631
	<i>Dollar Loss</i>	\$5,571,378	\$10,917,800	\$5,791,050	\$7,329,900	\$18,938,890	\$48,549,018
Unintentional	<i># of Incidents</i>	516	556	648	669	522	2,911
	<i>Dollar Loss</i>	\$11,738,910	\$5,304,772	\$6,752,550	\$6,243,243	\$3,425,080	\$33,464,555
Failure of equipment or heat source	<i># of Incidents</i>	159	146	214	208	198	925
	<i>Dollar Loss</i>	\$1,429,730	\$1,823,235	\$3,278,200	\$3,313,245	\$2,717,730	\$12,562,140
Cause undetermined after investigation	<i># of Incidents</i>	245	257	220	189	175	1,086
	<i>Dollar Loss</i>	\$1,529,844	\$1,609,820	\$1,049,932	\$1,921,515	\$5,053,650	\$11,164,761
Intentional	<i># of Incidents</i>	191	200	204	219	201	1,015
	<i>Dollar Loss</i>	\$823,099	\$3,158,401	\$1,015,850	\$1,383,500	\$4,380,158	\$10,761,008
Cause Other	<i># of Incidents</i>	91	123	91	81	67	453
	<i>Dollar Loss</i>	\$219,300	\$261,420	\$434,205	\$294,195	\$130,700	\$1,339,820
Act of nature	<i># of Incidents</i>	18	12	41	42	31	144
	<i>Dollar Loss</i>	\$691,000	\$500	\$18,250	\$139,000	\$97,850	\$946,600
Total # of Incidents		1,347	1,437	1,548	1,545	1,288	7,165
Total Dollar Loss		\$22,003,261	\$23,075,948	\$18,340,037	\$20,624,598	\$34,744,058	\$118,787,902

## Region 7 Incident Reporting Summary for 2010

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Kittitas County		4,234	1	126	4,361	\$1,886,500
19D01	Kittitas #1, Thorp	140	0	16	156	\$141,600
19D02	Kittitas #2, Kittitas Valley	3,098	0	15	3,113	\$690,200
19D03	Kittitas #3, Easton	0	0	0	0	\$0
19D04	Kittitas #4, Vantage	0	0	0	0	\$0
19D06	Kittitas #6, Lake Cle Elum	24	0	1	25	\$0
19D07	Kittitas #7	457	1	53	511	\$855,800
19D08	Kittitas #8, Kachess	82	0	0	82	\$25,000
19M01	Cle Elum Fire Department	320	0	18	338	\$0
19M03	Kittitas Fire Department	15	0	3	18	\$173,900
19M04	Roslyn Fire Department	16	0	0	16	\$0
19M05	South Cle Elum Fire Department	82	0	20	102	\$0
Klickitat County		771	1	365	1,137	\$602,300
20D01	Klickitat #1, Trout Lake	4	0	0	4	\$4,000
20D02	Klickitat #2, Bickleton	7	0	1	8	\$74,000
20D03	Klickitat #3, Husum/Cherry Lane	117	1	14	132	\$1,500
20D04	Klickitat #4, Lyle	112	0	23	135	\$0
20D05	Klickitat #5, Centerville	16	0	24	40	\$3,700
20D06	Klickitat #6, Dallesport	115	0	50	165	\$8,800
20D07	Klickitat #7, Goldendale	269	0	110	379	\$185,000
20D08	Klickitat #8, Glenwood	0	0	0	0	\$0
20D09	Klickitat #9, Roosevelt	14	0	9	23	\$0
20D10	Klickitat #10, Alderdale	0	0	0	0	\$0
20D11	Klickitat #11, Wishram	6	0	3	9	\$600
20D12	Klickitat #12, Klickitat	0	0	0	0	\$0
20D13	Klickitat #13, Appleton	4	0	5	9	\$90,000
20D14	Klickitat #14, High Prairie	18	0	31	49	\$33,000
20D15	Klickitat #15	0	0	0	0	\$0
20M01	Bingen Fire Department	11	0	48	59	\$152,400
20M02	Goldendale Fire Department	54	0	6	60	\$49,300
20M03	White Salmon Fire Department	24	0	41	65	\$0
Yakima County		20,122	5	1,067	21,194	\$45,146,863
39D01	Yakima #1, Highland	55	0	5	60	\$15,004,000
39D02	Yakima #2, Selah	1,183	0	20	1,203	\$143,400
39D03	Yakima #3, Naches	54	0	10	64	\$4,200
39D04	Yakima #4, Moxee	877	0	21	898	\$167,130
39D05	Yakima #5, Zillah	2,705	0	35	2,740	\$5,675,770
39D06	Yakima #6, Gleed	39	0	13	52	\$0
39D07	Yakima #7, Glade	1	0	6	7	\$0
39D09	Yakima #9, Naches Heights	72	0	32	104	\$7,501,500
39D12	Yakima #12, West Valley	561	0	55	616	\$795,000
39D14	Yakima #14, Nile/Cliffdell	0	0	0	0	\$0
39M01	Grandview Fire Department	517	0	4	521	\$81,000
39M02	Granger Fire Department	155	0	2	157	\$106,600
39M03	Mabton Fire Department	81	0	0	81	\$20,300
39M06	Sunnyside Fire Department	1,898	0	164	2,062	\$741,020
39M08	Toppenish Fire Department	637	0	212	849	\$225,346
39M09	Union Gap Fire Department	861	0	204	1,065	\$200,200
39M10	Wapato Fire Department	504	0	1	505	\$56,900
39M11	Yakima Fire Department	9,730	5	279	10,014	\$14,207,797
39M12	Zillah Fire Department	192	0	4	196	\$216,700
Region 7 Totals		25,127	7	1,558	26,692	\$47,635,663

## Region 8

Adams, Asotin, Benton, Columbia, Garfield, Franklin, Walla Walla, and Whitman counties make up Region 8. In 2010, 76% 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		2006	2007	2008	2009	2010	Grand Total
Fire	<i># of Incidents</i>	1,746	1,981	1,969	1,806	1,626	9,128
	<i>Dollar Loss</i>	\$6,168,986	\$7,922,858	\$10,358,812	\$10,431,148	\$10,036,314	\$44,918,118
Rescue and Emergency Medical Service	<i># of Incidents</i>	12,645	16,051	16,180	16,147	16,877	77,900
	<i>Dollar Loss</i>	\$47,200	\$53,000	\$562,500	\$423,600	\$208,000	\$1,294,300
Hazardous Conditions (No Fire)	<i># of Incidents</i>	642	601	734	576	564	3,117
	<i>Dollar Loss</i>	\$188,250	\$11,580	\$33,350	\$259,630	\$30,275	\$523,085
Other Types of Incidents	<i># of Incidents</i>	176	102	105	64	81	528
	<i>Dollar Loss</i>	\$0	\$500,000	\$0	\$0	\$0	\$500,000
Severe Weather & Natural Disaster	<i># of Incidents</i>	38	13	46	7	11	115
	<i>Dollar Loss</i>	\$0	\$0	\$420,000	\$0	\$0	\$420,000
Service Calls	<i># of Incidents</i>	805	1,142	1,161	1,383	1,221	5,712
	<i>Dollar Loss</i>	\$14,690	\$48,750	\$92,050	\$118,670	\$13,700	\$287,860
False Alarms & False Calls	<i># of Incidents</i>	2,894	2,775	2,945	2,896	2,691	14,201
	<i>Dollar Loss</i>	\$20,000	\$17,725	\$154,200	\$6,100	\$30	\$198,055
Overpressure Rupture, Explosion, Overheat (No Fire)	<i># of Incidents</i>	42	46	44	34	44	210
	<i>Dollar Loss</i>	\$5,200	\$2,005	\$1,100	\$2,500	\$50	\$10,855
Good Intent Calls	<i># of Incidents</i>	1,700	1,705	1,858	1,773	1,852	8,888
	<i>Dollar Loss</i>	\$0	\$300	\$1,975	\$0	\$0	\$2,275
Undetermined Type of Incident	<i># of Incidents</i>	0	0	1	0	0	1
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		20,688	24,416	25,043	24,686	24,967	119,800
Total Dollar Loss		\$6,444,326	\$8,556,218	\$11,623,987	\$11,241,648	\$10,288,369	\$48,154,548

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

Over the past five years, 9,128 fire incidents, resulting in more than \$44 million in property and content loss, have been reported by fire service agencies in Region 8. Structure fires, including confined fires, accounted for nearly 26% of the five-year total and 78% of the dollar loss to property and content.

### 2006 – 2010 Fires Incidents by Type (Sorted by Dollar Loss)

Fire Incident Type Category		2006	2007	2008	2009	2010	Grand Total
<b>Structure Fires (including confined fires)</b>	<i># of Incidents</i>	497	469	473	494	401	2,334
	<i>Dollar Loss</i>	\$5,241,390	\$6,088,790	\$7,993,879	\$8,433,988	\$7,212,986	\$34,971,033
<b>Vehicle Fires (Mobile Properties)</b>	<i># of Incidents</i>	292	306	293	287	247	1,425
	<i>Dollar Loss</i>	\$536,623	\$1,167,900	\$955,880	\$527,750	\$432,580	\$3,620,733
<b>Natural Vegetation Fires</b>	<i># of Incidents</i>	510	692	707	537	470	2,916
	<i>Dollar Loss</i>	\$143,403	\$173,355	\$534,053	\$522,703	\$2,188,383	\$3,561,897
<b>Cultivated Vegetation Fires</b>	<i># of Incidents</i>	49	64	50	61	66	290
	<i>Dollar Loss</i>	\$63,750	\$200,903	\$597,900	\$768,657	\$124,410	\$1,755,620
<b>Fixed Mobile Property Fires</b>	<i># of Incidents</i>	24	21	16	18	18	97
	<i>Dollar Loss</i>	\$130,100	\$74,710	\$140,000	\$128,900	\$52,700	\$526,410
<b>Outside Storage &amp; Equipment Fires</b>	<i># of Incidents</i>	65	77	95	64	62	363
	<i>Dollar Loss</i>	\$46,270	\$177,520	\$52,725	\$36,550	\$11,485	\$324,550
<b>Outside Rubbish Fires</b>	<i># of Incidents</i>	229	236	249	211	232	1,157
	<i>Dollar Loss</i>	\$6,150	\$4,640	\$67,970	\$5,350	\$3,565	\$87,675
<b>Fire, Other</b>	<i># of Incidents</i>	80	116	86	134	130	546
	<i>Dollar Loss</i>	\$1,300	\$35,040	\$16,405	\$7,250	\$10,205	\$70,200
Total # of Incidents		1,746	1,981	1,969	1,806	1,626	9,128
Total Dollar Loss		\$6,168,986	\$7,922,858	\$10,358,812	\$10,431,148	\$10,036,314	\$44,918,118

### 2006 – 2010 Structure Fires by Type (Sorted by Dollar Loss)

Structure Fires (including confined fires)		2006	2007	2008	2009	2010	Grand Total
<b>Building fires</b>	<i># of Incidents</i>	271	271	297	317	263	1,419
	<i>Dollar Loss</i>	\$5,148,675	\$6,064,990	\$7,926,265	\$8,426,178	\$7,126,926	\$34,693,034
<b>Fires in structures other than in a building</b>	<i># of Incidents</i>	22	12	16	10	6	66
	<i>Dollar Loss</i>	\$72,600	\$14,000	\$50,000	\$5,000	\$80,200	\$221,800
<b>Cooking fire, confined to container</b>	<i># of Incidents</i>	100	113	103	94	80	490
	<i>Dollar Loss</i>	\$18,205	\$5,165	\$12,299	\$2,005	\$4,260	\$41,934
<b>Trash or rubbish fire, contained</b>	<i># of Incidents</i>	69	38	29	25	20	181
	<i>Dollar Loss</i>	\$1,110	\$4,635	\$65	\$305	\$600	\$6,715
<b>Structure fire, other (conversion only)</b>	<i># of Incidents</i>	0	0	1	0	0	1
	<i>Dollar Loss</i>	\$0	\$0	\$5,000	\$0	\$0	\$5,000
<b>Chimney or flue fire, confined to chimney or flue</b>	<i># of Incidents</i>	32	30	24	43	26	155
	<i>Dollar Loss</i>	\$800	\$0	\$250	\$500	\$0	\$1,550
<b>Fuel burner/boiler malfunction, fire confined</b>	<i># of Incidents</i>	2	2	2	3	4	13
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$1,000	\$1,000
<b>Incinerator overload or malfunction, fire confined</b>	<i># of Incidents</i>	0	2	1	2	1	6
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
<b>Commercial Compactor fire, confined to rubbish</b>	<i># of Incidents</i>	1	1	0	0	1	3
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		497	469	473	494	401	2,334
Total Dollar Loss		\$5,241,390	\$6,088,790	\$7,993,879	\$8,433,988	\$7,212,986	\$34,971,033



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

Property Use Category		2006	2007	2008	2009	2010	Grand Total
Residential	# of Incidents	575	572	613	645	521	2,926
	Dollar Loss	\$3,972,981	\$4,893,881	\$4,473,286	\$4,269,468	\$5,175,778	\$22,785,394
Outside or Special Properties	# of Incidents	857	1,063	1,006	867	786	4,579
	Dollar Loss	\$598,142	\$786,080	\$993,801	\$1,647,997	\$1,774,417	\$5,800,437
Utility, Defense, Agriculture, & Mining	# of Incidents	83	95	95	80	105	458
	Dollar Loss	\$208,820	\$612,504	\$898,000	\$1,037,310	\$956,281	\$3,712,915
Storage	# of Incidents	63	63	47	51	60	284
	Dollar Loss	\$1,048,600	\$731,575	\$298,950	\$968,100	\$337,703	\$3,384,928
Other Property Use	# of Incidents	19	14	30	19	16	98
	Dollar Loss	\$1,000	\$94,603	\$0	\$2,291,623	\$16,450	\$2,403,676
Assembly	# of Incidents	32	31	27	28	21	139
	Dollar Loss	\$153,300	\$59,245	\$2,006,815	\$32,700	\$9,000	\$2,261,060
Manufacturing	# of Incidents	16	16	29	22	10	93
	Dollar Loss	\$25,000	\$5,000	\$1,135,500	\$1,500	\$990,000	\$2,157,000
Mercantile & Business	# of Incidents	59	51	48	49	47	254
	Dollar Loss	\$110,943	\$621,100	\$323,600	\$171,250	\$124,450	\$1,351,343
Health Care, Detention & Corrections	# of Incidents	9	13	18	8	8	56
	Dollar Loss	\$43,000	\$53,320	\$82,500	\$3,200	\$431,235	\$613,255
Educational	# of Incidents	12	19	16	11	9	67
	Dollar Loss	\$4,500	\$50	\$5,010	\$0	\$220,000	\$229,560
None	# of Incidents	14	31	31	22	31	129
	Dollar Loss	\$2,700	\$65,500	\$74,350	\$8,000	\$1,000	\$151,550
Undetermined	# of Incidents	7	13	9	4	12	45
	Dollar Loss	\$0	\$0	\$67,000	\$0	\$0	\$67,000
Total # of Incidents		1,746	1,981	1,969	1,806	1,626	9,128
Total Dollar Loss		\$6,168,986	\$7,922,858	\$10,358,812	\$10,431,148	\$10,036,314	\$44,918,118

Area of Origin by Category		2006	2007	2008	2009	2010	Grand Total
Functional Areas	# of Incidents	131	189	219	198	178	915
	Dollar Loss	\$1,484,895	\$1,663,460	\$1,574,014	\$1,761,945	\$2,689,431	\$9,173,745
Structural Areas	# of Incidents	81	71	84	107	65	408
	Dollar Loss	\$1,895,150	\$1,380,700	\$3,026,800	\$1,303,840	\$1,239,085	\$8,845,575
Outside Areas	# of Incidents	251	388	675	600	526	2,440
	Dollar Loss	\$225,875	\$804,488	\$2,395,077	\$747,900	\$2,336,571	\$6,509,911
Storage Areas	# of Incidents	69	63	60	50	59	301
	Dollar Loss	\$530,840	\$795,825	\$823,850	\$1,299,325	\$1,426,200	\$4,876,040
Undetermined	# of Incidents	59	72	84	91	103	409
	Dollar Loss	\$215,000	\$681,504	\$561,600	\$2,858,220	\$272,230	\$4,588,554
Vehicle Areas	# of Incidents	272	284	280	262	235	1,333
	Dollar Loss	\$654,843	\$823,590	\$709,230	\$611,150	\$367,680	\$3,166,493
Areas for Groups of People (Assembly)	# of Incidents	25	14	18	15	7	79
	Dollar Loss	\$712,800	\$876,050	\$312,200	\$79,100	\$408,177	\$2,388,327
Service or Equipment Areas	# of Incidents	23	21	38	44	41	167
	Dollar Loss	\$207,100	\$74,200	\$465,355	\$338,400	\$477,775	\$1,562,830
Other Areas of Origin	# of Incidents	23	34	62	49	51	219
	Dollar Loss	\$20,800	\$25,850	\$10,120	\$545,250	\$1,580	\$603,600
Technical Processing Areas	# of Incidents	4	1	4	3	5	17
	Dollar Loss	\$55,000	\$50,000	\$5,000	\$1,000	\$275,000	\$386,000
Exit/Exit Access/Exit Discharge Areas	# of Incidents	5	9	16	13	12	55
	Dollar Loss	\$7,100	\$120,000	\$67,350	\$37,050	\$104,100	\$335,600
Total # of Incidents		943	1,146	1,540	1,432	1,282	6,343
Total Dollar Loss		\$6,009,403	\$7,295,667	\$9,950,596	\$9,583,180	\$9,597,829	\$42,436,675



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

Heat Source Categories		2006	2007	2008	2009	2010	Grand Total
Undetermined	# of Incidents	287	403	550	512	483	2,235
	Dollar Loss	\$2,574,993	\$1,736,048	\$5,123,045	\$4,212,365	\$3,714,354	\$17,360,805
Operating Equipment	# of Incidents	308	318	399	394	334	1,753
	Dollar Loss	\$1,627,675	\$2,112,085	\$2,154,822	\$1,234,870	\$2,167,732	\$9,297,184
Open Flame or Smoking Material	# of Incidents	115	130	188	174	138	745
	Dollar Loss	\$544,410	\$995,350	\$1,165,125	\$1,348,850	\$410,980	\$4,464,715
Hot or Smoldering Object	# of Incidents	105	107	160	144	123	639
	Dollar Loss	\$517,975	\$409,150	\$727,010	\$674,245	\$1,546,925	\$3,875,305
Heat Spread from Another Fire	# of Incidents	41	59	52	68	45	265
	Dollar Loss	\$69,050	\$1,208,180	\$234,200	\$692,575	\$382,403	\$2,586,408
Chemical or Natural	# of Incidents	23	46	34	41	30	174
	Dollar Loss	\$66,600	\$104,454	\$153,925	\$1,237,050	\$451,505	\$2,013,534
Heat Source Other	# of Incidents	47	61	95	60	85	348
	Dollar Loss	\$319,500	\$720,200	\$357,769	\$164,450	\$111,500	\$1,673,419
Explosives and Fireworks	# of Incidents	11	19	56	34	42	162
	Dollar Loss	\$1,000	\$9,450	\$29,700	\$18,775	\$801,430	\$860,355
Multiple Heat Sources	# of Incidents	6	3	5	4	2	20
	Dollar Loss	\$288,200	\$750	\$0	\$0	\$11,000	\$299,950
Total # of Incidents		943	1,146	1,539	1,431	1,282	6,341
Total Dollar Loss		\$6,009,403	\$7,295,667	\$9,945,596	\$9,583,180	\$9,597,829	\$42,431,675

Cause of Ignition		2006	2007	2008	2009	2010	Grand Total
Unintentional	# of Incidents	331	411	603	515	501	2,361
	Dollar Loss	\$1,864,460	\$3,763,215	\$3,294,746	\$2,442,345	\$4,778,032	\$16,142,798
Cause under investigation	# of Incidents	81	93	118	138	102	532
	Dollar Loss	\$1,906,400	\$1,349,063	\$4,509,620	\$3,299,623	\$2,360,411	\$13,425,117
Failure of equipment or heat source	# of Incidents	188	192	201	220	187	988
	Dollar Loss	\$692,848	\$722,200	\$1,097,790	\$751,700	\$805,875	\$4,070,413
Cause undetermined after investigation	# of Incidents	158	183	231	217	197	986
	Dollar Loss	\$1,123,600	\$441,820	\$543,830	\$415,792	\$1,064,058	\$3,589,100
Cause Other	# of Incidents	65	95	188	135	121	604
	Dollar Loss	\$140,350	\$890,330	\$164,500	\$665,100	\$360,153	\$2,220,433
Act of nature	# of Incidents	24	53	39	50	28	194
	Dollar Loss	\$15,000	\$64,454	\$128,850	\$1,197,150	\$140,000	\$1,545,454
Intentional	# of Incidents	96	119	160	156	146	677
	Dollar Loss	\$266,745	\$64,585	\$211,260	\$811,470	\$89,300	\$1,443,360
Total # of Incidents		943	1,146	1,540	1,431	1,282	6,342
Total Dollar Loss		\$6,009,403	\$7,295,667	\$9,950,596	\$9,583,180	\$9,597,829	\$42,436,675

## Region 8 Incident Reporting Summary for 2010

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Adams County		355	0	15	370	\$0
01D01	Adams #1, Ritzville	0	0	0	0	\$0
01D02	Adams #2, Lind	0	0	0	0	\$0
01D04	Adams #4, McCall	2	0	3	5	\$0
01D05	Adams #5, Othello	204	0	7	211	\$0
01D06	Adams #6, Benge	0	0	0	0	\$0
01D07	Adams #7, Washtucna	34	0	5	39	\$0
01M01	Lind Fire Department	0	0	0	0	\$0
01M02	Othello Fire Department	115	0	0	115	\$0
01M03	Ritzville Fire Department	0	0	0	0	\$0
Asotin County		475	0	69	544	\$792,267
02D00	Blue Mountain District 1	1	0	0	1	\$0
02D01	Asotin #1, Clarkston	229	0	10	239	\$0
02M01	Asotin Fire Department	34	0	57	91	\$0
02M02	Clarkston Fire Department	211	0	2	213	\$792,267
Benton County		14,982	6	2,165	17,153	\$3,703,070
03D01	Benton #1, Kennewick	858	2	174	1,034	\$400,000
03D02	Benton #2, Benton City	576	0	126	702	\$22,050
03D03	Benton #3, Prosser	204	0	12	216	\$102,000
03D04	Benton #4, West Richland	754	2	149	905	\$550,300
03D05	Benton #5, Horse Haven	2	0	0	2	\$0
03D06	Benton #6, Plymouth/Paterson	62	0	2	64	\$6,300
03M02	Kennewick Fire Department	6,995	2	712	7,709	\$2,237,670
03M03	Prosser Fire Department	84	0	1	85	\$0
03M04	Richland Fire Department	4,346	0	909	5,255	\$348,750
03S01	Hanford Fire Department	1,101	0	80	1,181	\$36,000
Columbia County		80	0	6	86	\$1,098,200
07D01	Columbia # 1, Starbuck	10	0	2	12	\$41,400
07D03	Columbia #3, Dayton	70	0	4	74	\$1,056,800
Franklin County		3,971	8	227	4,206	\$1,323,600
11D01	Franklin #1, Connell - Mesa	0	0	0	0	\$0
11D02	Franklin #2, Kahlotus	17	0	0	17	\$410,000
11D03	Franklin #3, Pasco	325	0	39	364	\$0
11D04	Franklin #4, Basin City	0	0	0	0	\$0
11D05	Franklin #5	8	0	2	10	\$13,000
11M01	Connell Fire Department	0	0	0	0	\$0
11M02	Pasco Fire Department	3,621	8	186	3,815	\$900,600

## Region 8 Incident Reporting Summary for 2010 (Continued)

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Garfield County		28	0	3	31	\$61,430
12D01	Garfield #1, Pomeroy	28	0	3	31	\$61,430
Walla Walla County		3,384	9	250	3,643	\$2,210,404
36D01	Walla Walla #1, Clyde	0	0	0	0	\$0
36D02	Walla Walla/Columbia #2	46	1	18	65	\$10,703
36D03	Walla Walla #3, Eureka	10	0	23	33	\$809,510
36D04	Walla Walla #4, Walla Walla	589	0	67	656	\$369,350
36D05	Walla Walla #5, Burbank	328	0	66	394	\$106,525
36D06	Walla Walla #6, Touchet	0	0	0	0	\$0
36D07	Walla Walla #7, Prescott	19	0	6	25	\$12,110
36D08	Walla Walla #8, Dixie	49	0	14	63	\$9,000
36M01	College Place Fire Department	1,056	0	38	1,094	\$0
36M04	Walla Walla Fire Department	1,287	8	18	1,313	\$893,206
Whitman County		1,670	0	239	1,909	\$1,504,905
38D02	St. John Volunteer Fire Department	11	0	6	17	\$0
38D03	Whitman #3, Garfield	7	0	8	15	\$0
38D04	Whitman #4, Palouse	18	0	9	27	\$0
38D05	Whitman #5, Lamont	11	0	3	14	\$0
38D06	Whitman # 6, Endicott	0	0	0	0	\$0
38D07	Whitman #7, Rosalia	18	0	6	24	\$315,000
38D08	Whitman #8, LaCrosse/Hooper	68	0	7	75	\$0
38D10	Whitman #10, Oakesdale/Farmington	77	0	1	78	\$0
38D11	Whitman #11, Albion/Colfax	92	0	18	110	\$42,500
38D12	Whitman #12, Pullman	0	0	0	0	\$0
38D13	Whitman #13, Wilcox	2	0	0	2	\$0
38D14	Whitman #14, Colton/Uniontown	46	0	8	54	\$0
38M01	Albion Fire Department	0	0	0	0	\$0
38M02	Colfax Fire & Rescue	746	0	164	910	\$511,100
38M05	Garfield Fire Department	8	0	7	15	\$0
38M06	LaCrosse Fire Department	0	0	0	0	\$0
38M07	Malden Volunteer Fire and EMS	18	0	0	18	\$0
38M10	Pullman Fire Department	536	0	2	538	\$636,305
38M11	Rosalia Fire Department	12	0	0	12	\$0
38M13	Tekoa Fire Department	0	0	0	0	\$0
Region 8 Totals		24,945	23	2,974	27,942	\$10,693,876

## Region 9

Ferry, Lincoln, Pend Oreille, Spokane, and Stevens counties make up Region 9. In 2010, 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

Incident Type Category		2006	2007	2008	2009	2010	Grand Total
<b>Fire</b>	<i># of Incidents</i>	2,272	2,331	2,152	1,745	1,745	10,245
	<i>Dollar Loss</i>	\$24,251,590	\$33,045,185	\$30,358,426	\$29,887,123	\$29,887,123	\$147,429,447
<b>Hazardous Conditions (No Fire)</b>	<i># of Incidents</i>	1,364	1,272	1,332	1,203	1,203	6,374
	<i>Dollar Loss</i>	\$180,100	\$337,350	\$47,600	\$132,850	\$132,850	\$830,750
<b>Rescue and Emergency Medical Service</b>	<i># of Incidents</i>	29,277	32,672	36,424	36,332	36,332	171,037
	<i>Dollar Loss</i>	\$313,225	\$103,000	\$103,500	\$119,000	\$119,000	\$757,725
<b>False Alarms &amp; False Calls</b>	<i># of Incidents</i>	2,645	2,454	2,528	2,349	2,349	12,325
	<i>Dollar Loss</i>	\$0	\$100,000	\$80,000	\$5,685	\$5,685	\$191,370
<b>Good Intent Calls</b>	<i># of Incidents</i>	3,702	4,222	4,975	5,102	5,102	23,103
	<i>Dollar Loss</i>	\$130,500	\$0	\$0	\$0	\$0	\$130,500
<b>Overpressure Rupture, Explosion, Overheat (No Fire)</b>	<i># of Incidents</i>	111	145	134	94	94	578
	<i>Dollar Loss</i>	\$27,500	\$72,600	\$3,450	\$234	\$234	\$104,018
<b>Service Calls</b>	<i># of Incidents</i>	3,146	3,306	3,810	3,718	3,718	17,698
	<i>Dollar Loss</i>	\$2,750	\$2,900	\$21,200	\$3,000	\$3,000	\$32,850
<b>Severe Weather &amp; Natural Disaster</b>	<i># of Incidents</i>	26	14	14	35	35	124
	<i>Dollar Loss</i>	\$20,000	\$0	\$0	\$6,100	\$6,100	\$32,200
<b>Other Types of Incidents</b>	<i># of Incidents</i>	2,231	2,154	2,011	1,579	1,579	9,554
	<i>Dollar Loss</i>	\$0	\$0	\$150	\$0	\$0	\$150
<b>Undetermined Type of Incident</b>	<i># of Incidents</i>	0	0	0	4	4	8
	<i>Dollar Loss</i>	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		44,774	48,570	53,380	52,161	52,161	251,046
Total Dollar Loss		\$24,925,665	\$33,661,035	\$30,614,326	\$30,153,992	\$30,153,992	\$149,509,010

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

Over the past five years, 10,577 fire incidents, resulting in more than \$131 million in property and content loss, have been reported by fire service agencies in Region 9. Structure fires, including confined fires, accounted for 30% of the five-year total and 65% of the dollar loss to property and content.

### 2006 – 2010 Fires Incidents by Type (Sorted by Dollar Loss)

Fire Incident Type Category		2006	2007	2008	2009	2010	Grand Total
Structure Fires (including confined fires)	# of Incidents	622	645	674	630	574	3,145
	Dollar Loss	\$21,982,070	\$10,942,521	\$27,532,975	\$12,175,010	\$13,142,455	\$85,775,031
Vehicle Fires (Mobile Properties)	# of Incidents	363	317	289	315	291	1,575
	Dollar Loss	\$901,065	\$20,413,040	\$1,366,346	\$1,223,810	\$662,865	\$24,567,126
Natural Vegetation Fires	# of Incidents	601	713	608	604	376	2,902
	Dollar Loss	\$856,650	\$1,284,200	\$908,200	\$44,289	\$16,025,150	\$19,118,489
Fixed Mobile Property Fires	# of Incidents	30	24	35	21	15	125
	Dollar Loss	\$186,940	\$360,779	\$257,950	\$480,200	\$32,303	\$1,318,172
Cultivated Vegetation Fires	# of Incidents	26	17	16	10	16	85
	Dollar Loss	\$246,000	\$8,200	\$72,000	\$3,250	\$5,000	\$334,450
Outside Storage & Equipment Fires	# of Incidents	107	66	108	98	72	451
	Dollar Loss	\$47,325	\$4,675	\$191,230	\$19,475	\$14,300	\$277,005
Fire, Other	# of Incidents	158	204	106	93	70	631
	Dollar Loss	\$11,725	\$24,200	\$25,575	\$11,245	\$3,800	\$76,545
Outside Rubbish Fires	# of Incidents	365	345	316	306	331	1,663
	Dollar Loss	\$19,815	\$7,570	\$4,150	\$21,050	\$1,250	\$53,835
Total # of Incidents		2,272	2,331	2,152	2,077	1,745	10,577
Total Dollar Loss		\$24,251,590	\$33,045,185	\$30,358,426	\$13,978,329	\$29,887,123	\$131,520,653

### 2006 – 2010 Structure Fires by Type (Sorted by Dollar Loss)

Structure Fires (including confined fires)		2006	2007	2008	2009	2010	Grand Total
Building fires	# of Incidents	366	379	401	364	337	1,847
	Dollar Loss	\$21,907,850	\$10,652,969	\$27,383,805	\$12,118,490	\$12,995,345	\$85,058,459
Fires in structures other than in a building	# of Incidents	22	34	25	16	13	110
	Dollar Loss	\$52,750	\$155,079	\$122,070	\$38,930	\$133,700	\$502,529
Fuel burner/boiler malfunction, fire confined	# of Incidents	5	12	14	7	3	41
	Dollar Loss	\$3,000	\$110,000	\$10,000	\$250	\$5,000	\$128,250
Cooking fire, confined to container	# of Incidents	90	85	108	104	105	492
	Dollar Loss	\$7,400	\$7,301	\$10,600	\$13,070	\$4,460	\$42,831
Chimney or flue fire, confined to chimney or flue	# of Incidents	97	90	90	96	95	468
	Dollar Loss	\$3,710	\$1,627	\$5,900	\$4,150	\$1,800	\$17,187
Incinerator overload or malfunction, fire confined	# of Incidents	0	3	1	1	1	6
	Dollar Loss	\$0	\$15,045	\$0	\$0	\$0	\$15,045
Trash or rubbish fire, contained	# of Incidents	40	41	34	42	20	177
	Dollar Loss	\$7,360	\$500	\$600	\$120	\$2,150	\$10,730
Commercial Compactor fire, confined to rubbish	# of Incidents	2	1	1	0	0	4
	Dollar Loss	\$0	\$0	\$0	\$0	\$0	\$0
Total # of Incidents		622	645	674	630	574	3,145
Total Dollar Loss		\$21,982,070	\$10,942,521	\$27,532,975	\$12,175,010	\$13,142,455	\$85,775,031

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

Property Use Category		2006	2007	2008	2009	2010	Grand Total
Residential	# of Incidents	870	875	814	796	747	4,102
	Dollar Loss	\$20,212,260	\$9,724,612	\$11,736,175	\$10,615,125	\$10,871,358	\$63,159,530
Utility, Defense, Agriculture, & Mining	# of Incidents	77	112	71	84	64	408
	Dollar Loss	\$734,200	\$21,386,300	\$213,950	\$37,800	\$20,600	\$22,392,850
Outside or Special Properties	# of Incidents	978	1,045	947	906	722	4,598
	Dollar Loss	\$575,895	\$371,110	\$2,079,791	\$772,623	\$8,383,465	\$12,182,884
Mercantile & Business	# of Incidents	67	61	82	64	46	320
	Dollar Loss	\$247,550	\$645,235	\$8,140,260	\$771,301	\$1,038,000	\$10,842,346
Storage	# of Incidents	96	62	69	66	67	360
	Dollar Loss	\$1,162,600	\$414,852	\$7,160,470	\$697,730	\$1,062,000	\$10,497,652
Other Property Use	# of Incidents	41	46	59	47	25	218
	Dollar Loss	\$153,700	\$60,675	\$207,000	\$75,550	\$8,008,150	\$8,505,075
Assembly	# of Incidents	40	34	29	28	22	153
	Dollar Loss	\$167,500	\$383,951	\$702,005	\$19,600	\$140,000	\$1,413,056
Manufacturing	# of Incidents	23	22	18	21	11	95
	Dollar Loss	\$91,710	\$16,400	\$52,100	\$918,000	\$250,000	\$1,328,210
None	# of Incidents	22	28	13	25	6	94
	Dollar Loss	\$483,600	\$18,250	\$8,500	\$14,600	\$30,750	\$555,700
Educational	# of Incidents	29	24	21	17	13	104
	Dollar Loss	\$300,525	\$6,000	\$8,075	\$26,000	\$66,750	\$407,350
Health Care, Detention & Corrections	# of Incidents	12	11	15	10	11	59
	Dollar Loss	\$122,050	\$15,800	\$50,100	\$30,000	\$16,050	\$234,000
Undetermined	# of Incidents	17	11	14	13	11	66
	Dollar Loss	\$0	\$2,000	\$0	\$0	\$0	\$2,000
Total # of Incidents		2,272	2,331	2,152	2,077	1,745	10,577
Total Dollar Loss		\$24,251,590	\$33,045,185	\$30,358,426	\$13,978,329	\$29,887,123	\$131,520,653

Area of Origin by Category		2006	2007	2008	2009	2010	Grand Total
Outside Areas	# of Incidents	510	529	499	459	338	2,335
	Dollar Loss	\$1,370,875	\$20,517,800	\$2,666,350	\$596,636	\$8,649,800	\$33,801,461
Structural Areas	# of Incidents	123	115	127	118	96	579
	Dollar Loss	\$15,187,950	\$3,582,003	\$7,390,025	\$4,042,280	\$1,823,775	\$32,026,033
Functional Areas	# of Incidents	146	146	165	143	150	750
	Dollar Loss	\$3,285,350	\$3,702,971	\$4,275,800	\$2,758,055	\$5,200,803	\$19,222,979
Storage Areas	# of Incidents	74	76	69	64	63	346
	Dollar Loss	\$1,862,040	\$1,545,255	\$8,811,570	\$2,563,120	\$1,599,515	\$16,381,500
Undetermined	# of Incidents	120	119	108	105	96	548
	Dollar Loss	\$638,800	\$1,414,178	\$2,934,395	\$1,237,040	\$1,871,990	\$8,096,403
Vehicle Areas	# of Incidents	305	268	268	272	258	1,371
	Dollar Loss	\$767,765	\$385,645	\$926,001	\$770,410	\$794,375	\$3,644,196
Areas for Groups of People (Assembly)	# of Incidents	12	20	22	27	18	99
	Dollar Loss	\$417,050	\$845,100	\$491,460	\$829,150	\$868,850	\$3,451,610
Service or Equipment Areas	# of Incidents	27	36	55	42	24	184
	Dollar Loss	\$149,550	\$437,409	\$1,030,600	\$585,950	\$121,600	\$2,325,109
Exit/Exit Access/Exit Discharge Areas	# of Incidents	13	20	20	15	10	78
	Dollar Loss	\$423,000	\$290,800	\$308,025	\$210,150	\$434,555	\$1,666,530
Other Areas of Origin	# of Incidents	24	22	42	37	35	160
	Dollar Loss	\$75,000	\$58,501	\$422,500	\$126,300	\$495,700	\$1,178,001
Technical Processing Areas	# of Incidents	4	4	5	4	3	20
	Dollar Loss	\$0	\$5,000	\$181,000	\$210,000	\$1,000	\$397,000
Total # of Incidents		1,358	1,355	1,380	1,286	1,091	6,470
Total Dollar Loss		\$24,177,380	\$32,784,662	\$29,437,726	\$13,929,091	\$21,861,963	\$122,190,822

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

Heat Source Categories		2006	2007	2008	2009	2010	Grand Total
Undetermined	# of Incidents	521	557	466	439	422	2,405
	Dollar Loss	\$16,980,975	\$4,928,154	\$15,781,170	\$6,085,810	\$5,723,648	\$49,499,757
Explosives and Fireworks	# of Incidents	35	49	35	25	15	159
	Dollar Loss	\$1,025	\$20,011,700	\$327,300	\$31,500	\$20,000	\$20,391,525
Operating Equipment	# of Incidents	289	278	365	345	261	1,538
	Dollar Loss	\$2,260,240	\$2,894,247	\$5,057,026	\$3,127,915	\$2,421,400	\$15,760,828
Open Flame or Smoking Material	# of Incidents	208	174	165	144	152	843
	Dollar Loss	\$2,002,900	\$1,522,175	\$2,667,180	\$2,060,225	\$3,441,125	\$11,693,605
Hot or Smoldering Object	# of Incidents	198	170	196	160	128	852
	Dollar Loss	\$1,842,440	\$2,557,423	\$4,366,300	\$873,400	\$1,550,425	\$11,189,988
Heat Spread from Another Fire	# of Incidents	15	46	44	52	28	185
	Dollar Loss	\$499,800	\$135,600	\$480,100	\$258,430	\$8,037,000	\$9,410,930
Heat Source Other	# of Incidents	44	40	54	55	55	248
	Dollar Loss	\$340,600	\$521,203	\$395,100	\$605,210	\$445,200	\$2,307,313
Chemical or Natural	# of Incidents	39	35	41	56	19	190
	Dollar Loss	\$247,900	\$213,160	\$79,550	\$789,101	\$167,665	\$1,497,376
Multiple Heat Sources	# of Incidents	9	7	14	10	11	51
	Dollar Loss	\$1,500	\$1,000	\$284,000	\$97,500	\$55,500	\$439,500
Total # of Incidents		1,358	1,356	1,380	1,286	1,091	6,471
Total Dollar Loss		\$24,177,380	\$32,784,662	\$29,437,726	\$13,929,091	\$21,861,963	\$122,190,822

Cause of Ignition		2006	2007	2008	2009	2010	Grand Total
Intentional	# of Incidents	238	215	204	183	170	1,010
	Dollar Loss	\$14,436,525	\$20,822,075	\$2,347,130	\$380,185	\$1,310,400	\$39,296,315
Unintentional	# of Incidents	479	491	511	488	389	2,358
	Dollar Loss	\$4,766,450	\$6,555,432	\$10,995,345	\$4,485,135	\$5,971,990	\$32,774,352
Cause undetermined after investigation	# of Incidents	226	258	239	200	192	1,115
	Dollar Loss	\$1,327,925	\$1,598,377	\$9,791,500	\$2,222,845	\$2,278,003	\$17,218,650
Cause under investigation	# of Incidents	156	156	123	131	108	674
	Dollar Loss	\$2,323,230	\$2,603,510	\$4,434,500	\$4,500,890	\$3,108,320	\$16,970,450
Cause Other	# of Incidents	36	31	39	25	30	161
	Dollar Loss	\$153,500	\$50,301	\$433,600	\$252,980	\$8,134,600	\$9,024,981
Failure of equipment or heat source	# of Incidents	178	164	201	191	175	909
	Dollar Loss	\$954,750	\$968,967	\$1,434,851	\$2,073,455	\$1,057,150	\$6,489,173
Act of nature	# of Incidents	45	43	64	67	27	246
	Dollar Loss	\$215,000	\$186,000	\$800	\$13,601	\$1,500	\$416,901
Total # of Incidents		1,358	1,358	1,381	1,285	1,091	6,473
Total Dollar Loss		\$24,177,380	\$32,784,662	\$29,437,726	\$13,929,091	\$21,861,963	\$122,190,822

## Region 9 Incident Reporting Summary for 2010

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Ferry County		156	0	4	160	\$488,500
10D03	Ferry #3/Stevens #8	145	0	1	146	\$122,500
10D13	Ferry/Okanagan #13, Republic	0	0	0	0	\$0
10D14	Ferry/Okanagan #14	11	0	3	14	\$366,000
Lincoln County		309	0	12	321	\$305,750
22D01	Lincoln #1, Sprague	77	0	1	78	\$32,000
22D03	Lincoln #3, Odessa	16	0	0	16	\$0
22D04	Lincoln #4, Reardan/Edwall/Long Lake	127	0	9	136	\$132,250
22D05	Lincoln #5, Davenport	30	0	1	31	\$33,500
22D06	Lincoln #6, Harrington	0	0	0	0	\$0
22D07	Lincoln #7, Wilbur	12	0	0	12	\$0
22D08	Lincoln #8, Almira	14	0	1	15	\$0
22D09	Lincoln #9, Grand Coulee	0	0	0	0	\$0
22M01	Almira Fire Department	15	0	0	15	\$0
22M03	Davenport Fire Department	12	0	0	12	\$108,000
22M05	Odessa Fire Department	6	0	0	6	\$0
Pend Oreille County		344	0	73	417	\$704,153
26D02	Pend Oreille #2, Metaline Fall	2	0	0	2	\$0
26D03	Pend Oreille #3, South Pend Oreille Fire & Rescue	118	0	8	126	\$0
26D04	Pend Oreille# 4	94	0	19	113	\$209,053
26D05	Pend Oreille #5, Cusick	4	0	2	6	\$23,100
26D06	Pend Oreille #6, Newport	8	0	0	8	\$49,000
26D08	Pend Oreille #8, Newport	49	0	2	51	\$201,000
26M01	Cusick Fire Department	0	0	0	0	\$0
26M02	Ione Fire Department	32	0	32	64	\$0
26M03	Metaline Fire Department	0	0	6	6	\$0
26M04	Metaline Falls Fire Department	0	0	0	0	\$0
26M05	Newport Fire Department	36	0	3	39	\$222,000
26S01	Kalispel Tribal Public Safety	1	0	1	2	\$0

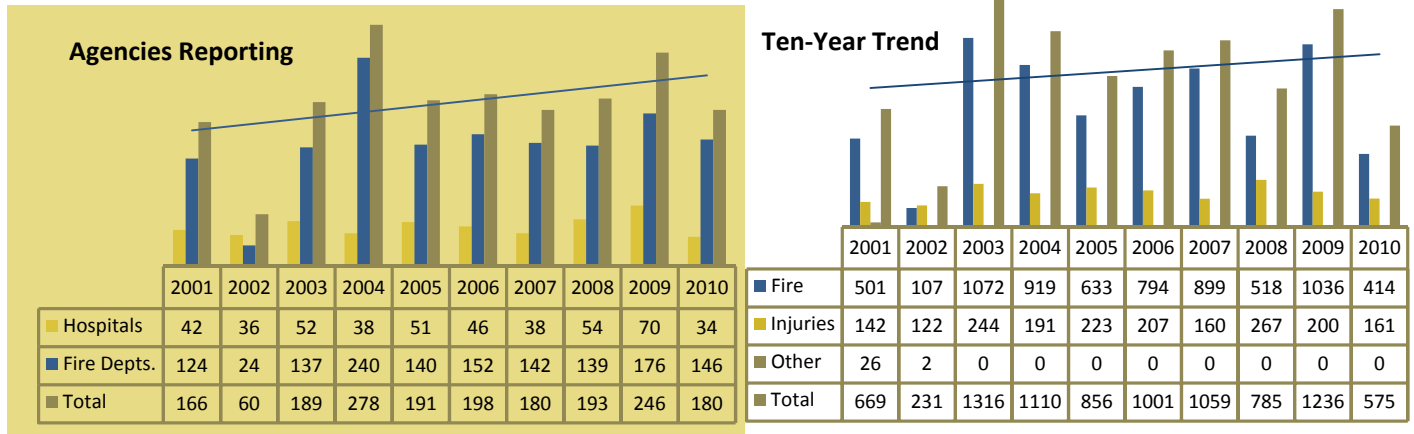


## Region 9 Incident Reporting Summary for 2010 (Continued)

FDID	Fire Department Name	# of Incidents	Exposures	Automatic or Mutual Aid Given	Total Reports	Total Property and Content Loss Reported
Spokane County		49,603	23	1,143	50,769	\$11,081,674
32D01	Spokane #1, Spokane Valley	10,900	0	28	10,928	\$2,054,850
32D02	Spokane #2, Fairfield	59	0	15	74	\$0
32D03	Spokane #3, Spokane	1,077	0	160	1,237	\$5,000
32D04	Spokane #4, Deer Park	1,879	0	18	1,897	\$722,200
32D05	Spokane #5, Nine Mile Falls	0	0	0	0	\$0
32D08	Spokane #8, Valleyford	1,126	0	83	1,209	\$600
32D09	Spokane #9, Mead	2,874	1	51	2,926	\$648,750
32D10	Spokane #10, Airway Heights	1,024	0	201	1,225	\$68,000
32D11	Spokane #11, Rockford	0	0	0	0	\$0
32D12	Spokane #12	26	0	5	31	\$35,000
32D13	Spokane #13, Newman Lake	71	0	1	72	\$3,000
32M01	Airway Heights Fire Department	802	0	124	926	\$293,600
32M02	Cheney Fire Department	1,240	0	31	1,271	\$436,565
32M06	Medical Lake Fire Department	112	0	400	512	\$0
32M08	Rockford Fire Department	0	0	0	0	\$0
32M10	Spokane Fire Department	28,413	22	26	28,461	\$6,814,109
32S03	Spokane Tribal Volunteer Fire Department	0	0	0	0	\$0
Stevens County		1,725	1	109	1,835	\$18,540,765
33D01	Stevens #1, Clayton	1,051	0	10	1,061	\$363,765
33D02	Stevens #2, Hunters	22	0	7	29	\$853,000
33D04	Stevens #4, Valley	277	0	8	285	\$5,000
33D05	Stevens #5, Addy	148	0	1	149	\$167,000
33D07	Stevens #7, Arden	60	1	71	132	\$16,161,600
33D09	Stevens #9, Little Pend Oreille	7	0	1	8	\$100,000
33D10	Stevens #10, Deep Lake	12	0	1	13	\$0
33D11	Stevens #11, Northport	16	0	1	17	\$0
33D12	Stevens #12	51	0	2	53	\$48,600
33M01	Chewelah Fire Department	30	0	3	33	\$830,800
33M02	Colville Fire Department	0	0	0	0	\$0
33M03	Kettle Falls Fire Department	51	0	4	55	\$11,000
33M04	Marcus Fire Department	0	0	0	0	\$0
33M05	Northport Fire Department	0	0	0	0	\$0
Region 9 Totals		52,137	24	1,341	53,502	\$31,120,842

## 2010 FIREWORKS REPORT

There were 575 fireworks-related injuries and/or fires reported to the Office of the State Fire Marshal in 2010 by fire departments and hospital emergency rooms. This is a 53% reduction from the previous year's total of 1,236. Of the 575 reports received, there were 414 fires and 161 injuries. These incidents resulted in \$2.1 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 years.



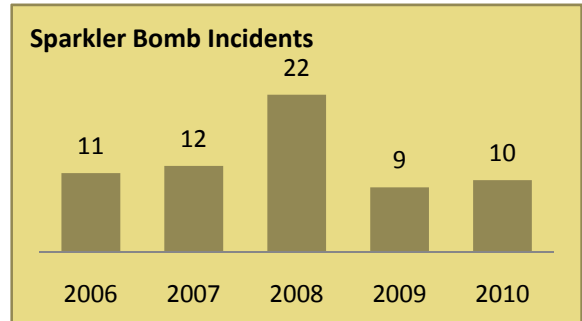
### Fireworks Fatal Injury

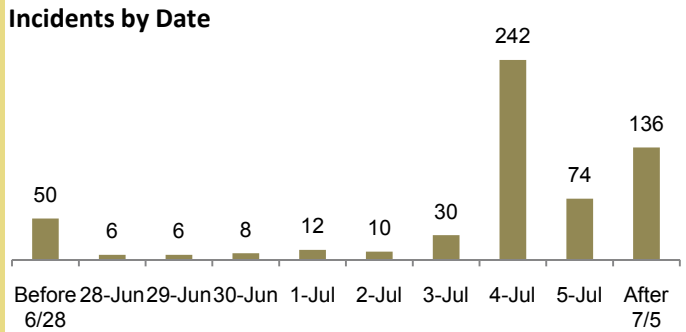
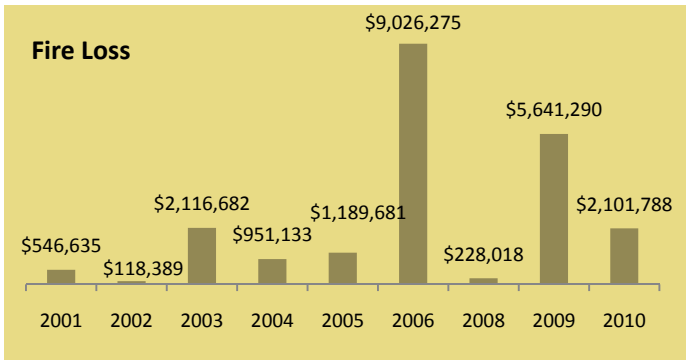
In 2010, a 64 year-old man died from injuries to his head after a 100+ sparkler bomb exploded, sending pieces of cinder block flying 30 feet and striking him in the head. The person that built the device said he was trying to create an aerial display.

Sparkler bombs are high powered illegal explosive devices. They are as powerful as a stick of dynamite.

They can ignite by being exposed to heat or friction. They often discharge prematurely and are dangerous.

Sparkler bombs cause life altering injuries, such as amputations and eye injuries. They can also cause shrapnel to the head, chest and abdomen. These life threatening injuries can be fatal.



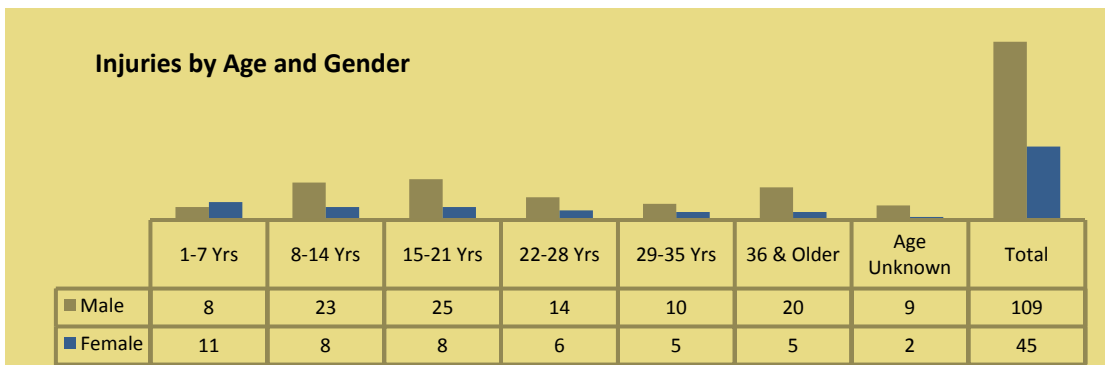


In 2010, fireworks related fire caused an estimated loss of \$2.1 million. Illegal fireworks were identified as the cause in 36 of the fires and caused \$55,473 of the estimated dollar loss. Legal fireworks were identified in 235 of the reported fires and accounted for approximately \$1,900 of the total loss. This type of fireworks was not identified by the reporting fire departments in 35% of the fire incidents (Table #1).

Property Type	Dollar Loss				Number of Fires			
	Illegal	Legal	Unknown	Total	Illegal	Legal	Unknown	Total
Commercial	\$2,500	\$0	\$655,600	\$658,100	1	4	12	17
Residential Structure	\$52,673	\$0	\$1,347,790	\$1,400,463	4	1	13	18
School	\$0	\$0	\$100	\$100	4	2	8	14
Vehicle	\$0	\$0	\$6,000	\$6,000	0	0	2	2
Wildland or Vegetation	\$300	\$900	\$34,370	\$35,570	21	225	112	358
None	\$0	\$1,000	\$0	\$1,000	6	3	2	11
Undetermined	\$0	\$0	\$555	\$555	0	0	0	0
<b>Total</b>	<b>\$55,473</b>	<b>\$1,900</b>	<b>\$ 2,044,415</b>	<b>\$2,101,788</b>	<b>36</b>	<b>235</b>	<b>143</b>	<b>414</b>

Wildland fires accounted for the largest number of fires at 358 or 86% and only 2% of the fire loss. Residential structure fires accounted for 4% of the fires and largest amount of fire loss at 67%. School fires accounted for 3% of the total fires and less than 1% of the fire loss (Table #1).

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 29% 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.



The leading type of injury reported was burn injuries, accounting for 48% of the total. The second leading injury type was trauma at 34%. (Table #2)

Table #2 Injuries by Legal Classification of Fireworks									
Type of Injury					Place Injured				
	Illegal	Legal	Unknown	Total		Illegal	Legal	Unknown	Total
					Arm	4	4	1	9
Amputation	1	3	1	5	Hand	23	24	11	58
First Degree Burn	8	14	5	27	Head or Face	18	26	21	65
Second Degree Burn	9	24	10	43	Leg or Foot	8	7	5	20
Third Degree Burn	2	3	3	8	Multiple Locations	0	1	0	1
Trauma	24	17	14	55	Torso	1	3	2	6
Unknown	7	9	7	23	Unknown	0	2	0	2
Grand Total	51	70	40	161	Grand Total	54	67	40	161

Table #3 shows the types of fireworks involved in injury incidents. Illegal fireworks were the leading class causing 53 injury incidents, or 33%. Legal fireworks were responsible for 68 incidents, or 42%.

Of the 68 incidents involving legal devices, multi-aerials caused 29%, followed by sparklers at 17.5%. Illegal devices causing injuries include Bottle Rockets at 21% and Public Display Mortars at 19%. In 2010, there were 10 sparkler bomb incidents.

As shown in Table #4, the leading cause of fireworks-related injuries is "Other" at 46% and "Holding" at 23%.

Table #3 Injuries by Type of Device					Table #4 Cause of Injury	
	Illegal	Legal	Unknown	Total		
Altered Fireworks	3	0	0	3	Duds-relighting or handling	10
Bottle Rockets	11	0	0	11	Holding fireworks in hands	37
Cones and Fountains	0	4	1	5	Leaning over fireworks	13
Firecrackers and Chasers	9	0	0	9	Tampering with fireworks	8
Ground Spinners	0	4	0	4	Throwing fireworks	13
Homemade Explosive Devices	9	1	0	10	Unsafe surface for lighting	6
M-80's	4	0	0	4	Other	74
Missiles and Rockets	4	0	0	4	Grand Total	161
Multi Aerials	1	20	2	23		
Novelties	0	8	2	10		
Public Display Mortars	10	0	0	10		
Roman Candles	0	8	0	8		
Smoke Items	0	3	0	3		
Sparklers	1	12	0	13		
Unknown	1	8	35	44		
Grand Total	53	68	40	161		

The chart below provides a summary of the reports received in 2010 by county and agency type.

County	Fire Department			Fire District			Hospital		Grand
	Fire	Injury	Total	Fire	Injury	Total	Injury	Total	Total
Adams	0	0	0	3	0	3	0	0	3
Asotin	2	0	2	8	0	8	0	0	10
Benton	8	0	8	10	0	10	3	3	21
Chelan	4	0	4	3	0	3	0	0	7
Clallam	2	0	2	0	0	0	1	1	3
Clark	12	4	16	6	0	6	19	19	41
Columbia	0	0	0	2	0	2	0	0	2
Cowlitz	3	0	3	3	0	3	4	4	10
Douglas	0	0	0	1	0	1	1	1	2
Franklin	3	0	3	0	0	0	0	0	3
Grant	8	0	8	21	0	21	1	1	30
Grays Harbor	3	0	3	6	0	6	5	5	14
Island	0	0	0	2	0	2	0	0	2
Jefferson	0	0	0	1	0	1	3	3	4
King	71	3	74	19	1	20	13	13	107
Kitsap	1	1	2	10	0	10	10	10	22
Kittitas	0	0	0	6	0	6	1	1	7
Klickitat	1	0	1	2	0	2	0	0	3
Lewis	0	1	1	3	0	3	2	2	6
Mason	0	0	0	3	1	4	3	3	7
Okanogan	0	0	0	0	0	0	1	1	1
Okanogan	2	0	2	0	0	0	0	0	2
Pacific	2	0	2	3	1	4	1	1	7
Pierce	28	1	29	11	2	13	25	25	67
San Juan	1	0	1	1	0	1	0	0	2
Skagit	6	0	6	2	1	3	2	2	11
Skamania	0	0	0	1	1	2	0	0	2
Snohomish	17	4	21	39	3	42	26	26	89
Spokane	6	0	6	4	0	4	1	1	11
Stevens	6	0	6	1	0	1	0	0	7
Thurston	1	2	3	6	2	8	2	2	13
Walla Walla	1	0	1	8	0	8	0	0	9
Whatcom	2	0	2	10	2	12	6	6	20
Whitman	3	0	3	0	0	0	1	1	4
Yakima	14	0	14	12	0	12	0	0	26
<b>Grand Total</b>	<b>207</b>	<b>16</b>	<b>223</b>	<b>207</b>	<b>14</b>	<b>221</b>	<b>131</b>	<b>131</b>	<b>575</b>

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 4th 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>.