

2005 Fire in Washington



Courtesy of the Edmonds Fire Department

Prepared by the Office of the State Fire Marshal



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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, Washington 98504-2600 • (360) 753-6540 • www.wsp.wa.gov

July 1, 2006

Dear Fire Service Partners and Advocates:

I want to thank each of the 406 fire agencies that submitted emergency response data for the *2005 Fire in Washington Annual Report*. The information available through the National Fire Incident Reporting System (NFIRS) enables the Washington State Fire Service to demonstrate the public safety services being delivered throughout our state every day.

The NFIRS data being submitted to the Office of the State Fire Marshal plays a key role in identifying the true fire problem, not only in Washington State, but across our nation. As a contributing agency, you can be assured that your incident data is making a difference in the areas of building and fire codes, product safety, public education programs, and fire service training.

I would also like to recognize the Washington State Association of Fire Chiefs and Washington Fire Commissioners Association for supporting the continued growth of the NFIRS program and for the leadership they have demonstrated towards excellence in public safety.

Sincerely,

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

CHIEF JOHN R. BATISTE



CHRISTINE O. GREGOIRE
Governor



JOHN R. BATISTE
Chief

STATE OF WASHINGTON
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July 1, 2006

Dear Partners in Fire Safety:

Our state's fire service should be proud of the progress made towards increasing the participation in the NFIRS program. In 2005, 78% of fire agencies reported incident activity to the Office of the State Fire Marshal. These participating agencies protect approximately 98% of Washington's population. While these figures are monumental, I propose the following challenges to aid in our effort in achieving 100% participation, data quality, and timely reporting:

- Encourage neighboring fire agencies that are not currently participating in NFIRS to implement the nationally recognized standard. Inform them that the Assistance to Firefighters Grant requires NFIRS reporting in order to receive funding.
- Submit your fire agency's NFIRS data on a monthly basis to the Office of the State Fire Marshal at nfirs@wsp.wa.gov. Current information is critical to decision-makers at the local, state, and national levels. With your help, we can make the NFIRS program a reliable source of timely information.
- Implement an incident review process within your agency to ensure consistent documentation with the NFIRS standard. Although each incident is verified for completeness when it is imported into the NFIRS database at the state level, it is imperative that the information entered into your agency's NFIRS software is reflective of the actual incident activity.

I am confident that the Washington State Fire Service is up to the challenge of making the Washington State NFIRS program an example for our nation's fire service. Collectively, we can continue to make a difference in protecting life and property from fire and other related emergencies.

Sincerely,

A handwritten signature in black ink that reads "Michael G. Matlick".

Michael G. Matlick
Acting State Fire Marshal





Washington State Association of Fire Chiefs

P O Box 7964 Olympia, WA 98507-7964 (360) 352-0161 Fax: (360) 586-5868 Email:wsafc@wsafc.org

July 1, 2006

To Fire Service Leaders of Washington State:

The Washington State Association of Fire Chiefs commends the continuing efforts of each member of the fire service for their dedication to accurate data collection and timely reporting in Washington State. As the participation in the National Fire Incident Reporting System continues to increase, fire service leaders throughout our nation are recognizing the importance of quality data.

Reliable information is critical to the strategic planning process used to establish and maintain quality public safety programs at the local, state, and national levels. The data provided by the Washington State Fire Service is essential to decision-makers responsible for providing the level of service expected by the communities we serve.

The Washington State Association of Fire Chiefs, in partnership with the Office of the State Fire Marshal, will continue to support the statewide collection and reporting of emergency incident data in order to more clearly articulate the challenges we face in fulfilling the public's expectations.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dan Packer", written over a horizontal line.

Chief Dan Packer, President
Washington State Association of Fire Chiefs



Preface

RCW 48.48.065 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 can capture the full range of incident activity. Many agencies document all incidents, while some agencies only report fires as stated in the statute.

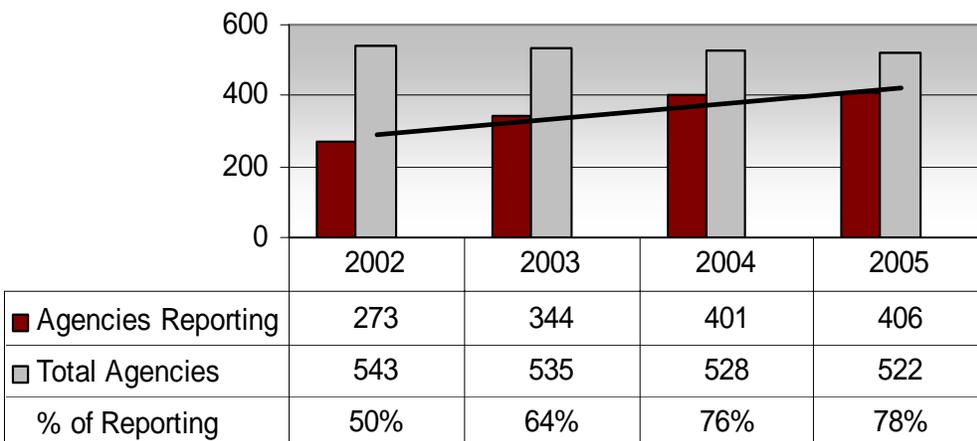
This report provides an overview of all incident categories reported in 2005, with fires as the primary focus. The statistical reports are generated from the United States Fire Administration Web site. The figures come from NFIRS 5.0 data reported from Washington State. Figures presented may vary slightly based on the day the summary report was generated.

Participation

RCW 48.48.065 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 5.0 is an all-incident reporting system that enables all fire agencies to document any incident electronically in a uniform format. 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. In Washington, some agencies report only fires, while the majority of the agencies report all incident activity.

The number of agencies participating in NFIRS 5.0 has been steadily increasing over the past four years. The chart below illustrates the number of agencies that provided NFIRS 5.0 data for the Fire in Washington Annual Report. This year's annual report includes incident information reported by 406 of the 522 fire agencies (78%), which represents an increase of 2% over the previous year.

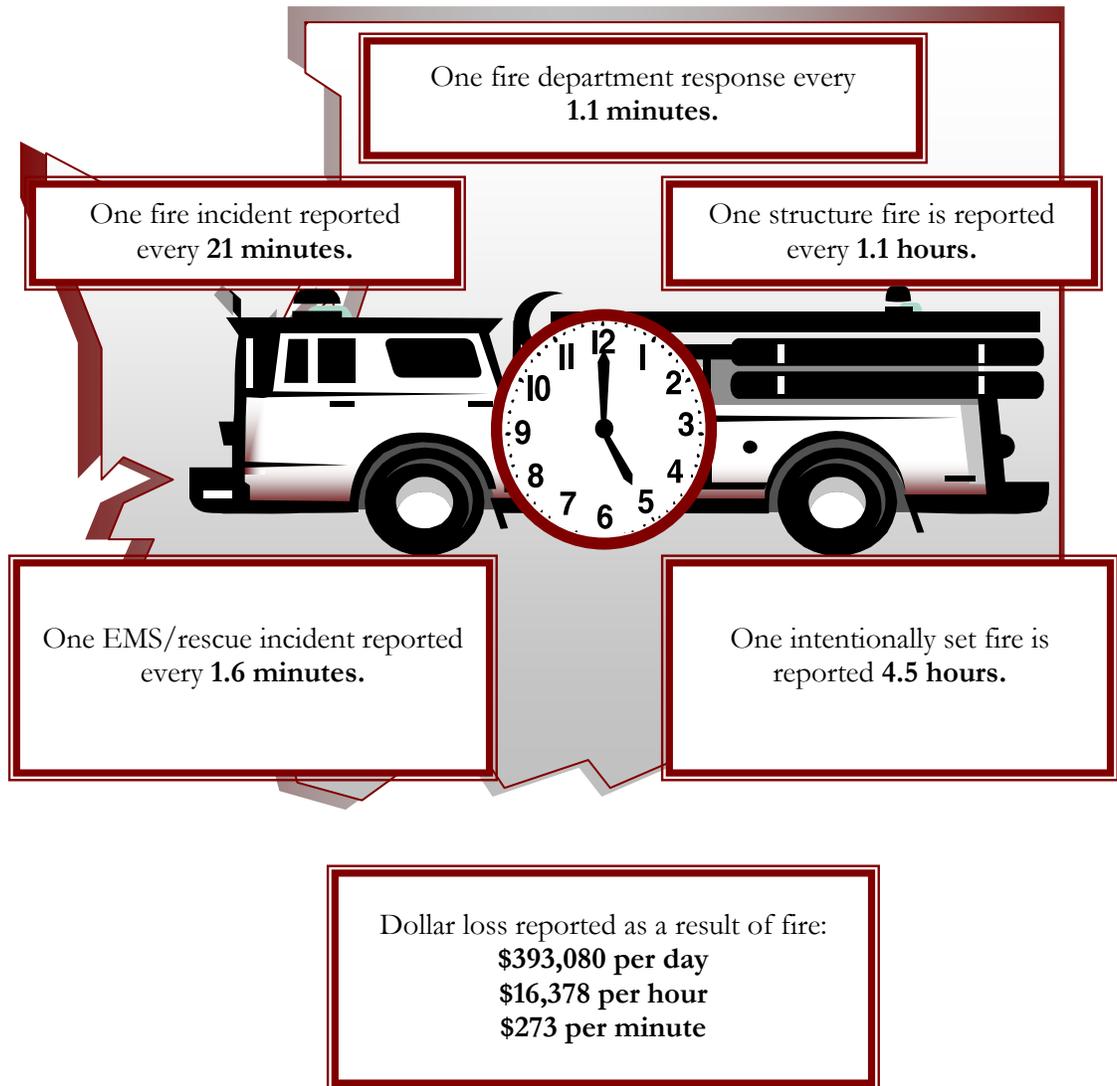
NFIRS 5.0 Participation in Washington State



The Office of the State Fire Marshal will continue to work closely with the fire service to encourage all agencies to participate. Requests for information are regularly received from the public, the media, legislature, and other state and federal agencies. Since NFIRS is quickly becoming recognized as a source of valuable information, it is necessary to gain access to the most current statewide NFIRS data. Each fire agency is encouraged to submit their data on a monthly basis so that the information provided reflects complete and accurate accounts of incident activity in our state.

Washington State Fire Clock

Frequency of Responses as Reported in 2005
Based on NFIRS data only.



Incident Overview

The chart below provides a breakdown of all the incident categories provided in NFIRS. It is important to note that the dollar loss reported to NFIRS is based on estimates calculated by fire service personnel. Fire agencies are encouraged to be as accurate as possible when documenting dollar loss, since these figures are intended to provide insight into the financial impact fire has on our communities and are to be used as a tool to target the fire problem.

While fire incidents only accounted for 5% of the total incidents reported through NFIRS, these fires are estimated to have caused more than \$143 million in property and content loss and claimed the lives of 64 people in the state of Washington. Fire prevention must be practiced in places where people live, work, and play in order to reduce the occurrence of fire.

Rescue and Emergency Medical Service incidents were the leading incident type category, representing 68% of the total incidents. The second leading incident type category was Good Intent Calls (8%). This category includes cancelled en route incidents and incidents that did not require fire service assistance.

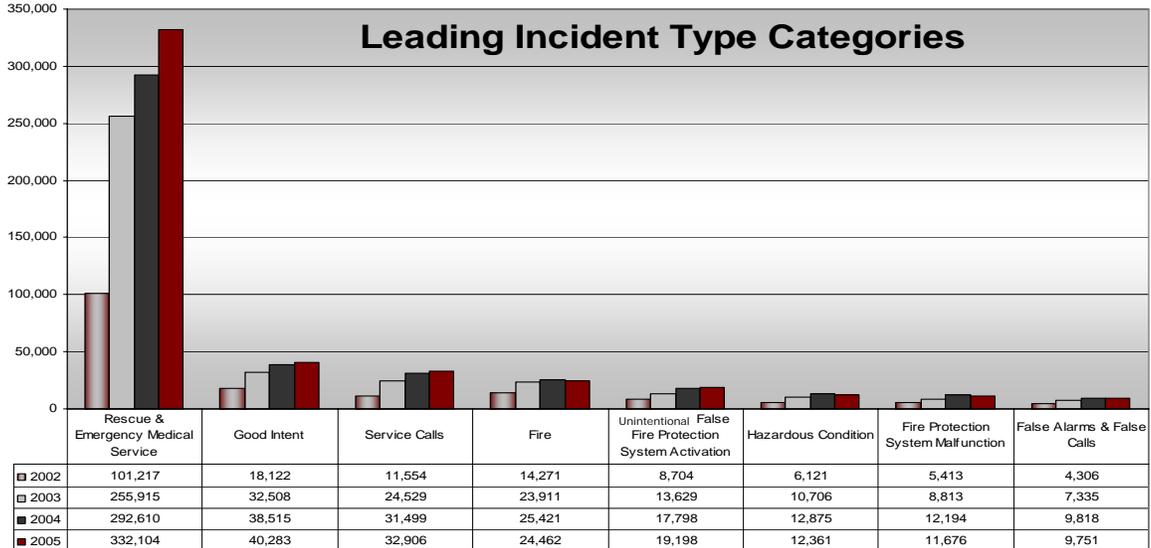
Summary of 2005 Incident Type Categories

Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss*
Fire	24,462	5%	\$143,474,224	97%
Rescue and Emergency Medical Service	332,104	68%	\$1,780,414	1%
Service Calls	32,906	7%	\$948,585	1%
Hazardous Condition	12,361	3%	\$395,718	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	1,434	0%	\$231,935	0%
Unintentional False Fire Protection System Activation	19,198	4%	\$197,252	0%
Fire Protection System Malfunction	11,676	2%	\$132,002	0%
Severe Weather and Natural Disaster	273	0%	\$114,000	0%
Good Intent	40,283	8%	\$32,454	0%
Other Types of Incidents	5,217	1%	\$20,504	0%
False Alarms and False Calls	9,751	2%	\$416	0%
Undetermined	171	0%	\$0	0%
Grand Total	489,836	100%	\$147,327,504	100%

*Sorted by dollar loss. Mutual aid incidents are excluded. Percents rounded to the nearest whole number and some categories represent less than 1%.

Incident Comparison by Year

As we continue to increase fire agency participation, the number of incidents reported to NFIRS increases as well. Below is a comparison of the top eight incident type categories by year (2002-2005). As of 2004, the Fire in Washington Annual Report is based on NFIRS data only. Summary data that had been collected in 2002 and 2003 from large jurisdictions such as Seattle, Tacoma, Vancouver, and Spokane is not included in the graph below.



Rescue and emergency medical service: Incidents include vehicle collisions, search, rescue, extrication, water and/or ice rescue, electrical rescue, and other related incidents.

Good Intent: Includes incidents where the fire department was dispatched and canceled en route, sent to the wrong location, or no incident found upon arrival. Controlled burning, steam mistaken for smoke, investigation of a hazardous materials release, and other types of good intent calls fall into this category.

Service Calls: Includes people in distress and public assistance, water leaks or evacuations, smoke odors, and animal problems.

Fire: Includes building and structure fires, fires in fixed mobile properties (mobile homes), vehicle fires, natural and cultivated vegetation, and outside storage and rubbish fires.

Unintentional fire protection system activations: Includes fire sprinkler and fire alarm system activations that were not intentional.

Hazardous condition: Includes flammable or combustible materials spills or releases, electrical wiring or equipment problems, biological hazards, potential incidents, explosive removals, and attempted burning.

Fire protection system malfunction: Includes fire sprinkler and fire alarm system malfunctions.

False alarms and false calls: Includes malicious and mischievous false calls.

Fire Incidents

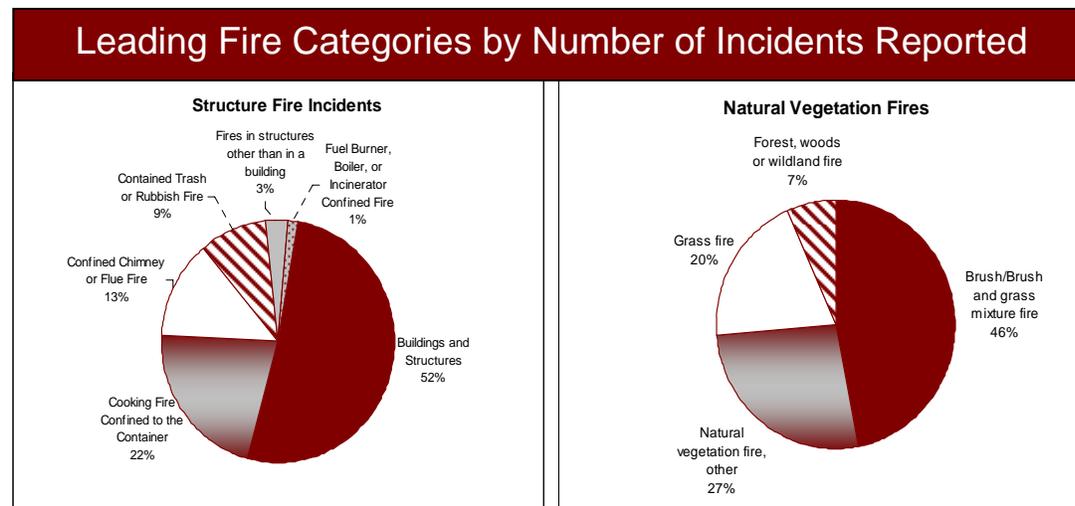
Fire incidents accounted for 5% of the total incidents in 2005. Fire agencies estimate that the 24,462 fires resulted in more than \$143 million in property and content loss.

Structure fires represented 32% of the total fires reported. The financial impact of structure fires in 2005 alone was estimated at more than \$125 million in property and content loss. Natural vegetation fires were the second leading fire category, accounting for 21% of the total fires and more than \$1.2 million in loss. Vehicle fires were the third leading fire category, resulting in the second highest dollar loss of more than \$11 million.

Seven percent of the fires reported in 2005 were coded as “fire, other.” These incidents omit fields of information that provide insight into fire situations. Fire agencies are encouraged to find an incident type code that best describes the fire incident and complete all required modules.

Fire Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structure Fires (including confined fires)	7,797	32%	\$125,328,193	87%
Vehicles (Mobile Properties)	4,704	19%	\$11,278,962	8%
Fixed Mobile Property	282	1%	\$2,226,985	2%
Outside Storage and Equipment	1,228	5%	\$1,715,280	1%
Natural Vegetation	5,128	21%	\$1,216,873	1%
Fire Other	1,686	7%	\$1,094,454	1%
Cultivated Vegetation	165	1%	\$506,105	0%
Outside Rubbish	3,472	14%	\$107,372	0%
Grand Total	24,462	100%	\$143,474,224	100%

Sorted by dollar loss. Excludes aid given. Percents rounded to the nearest whole number and some categories represent less than 1%.



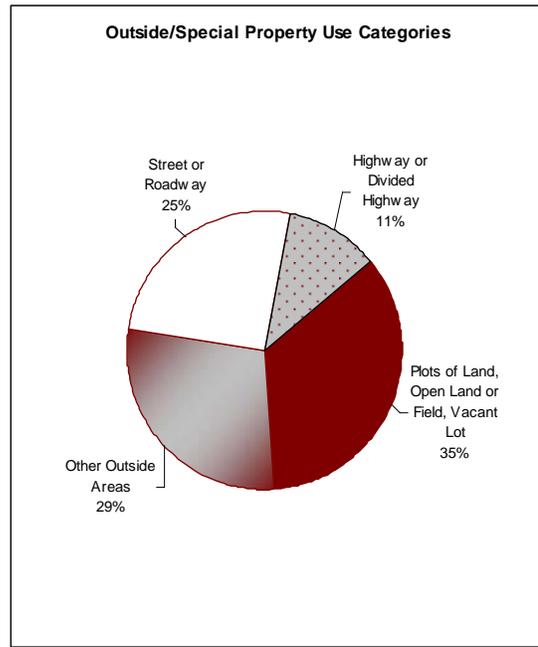
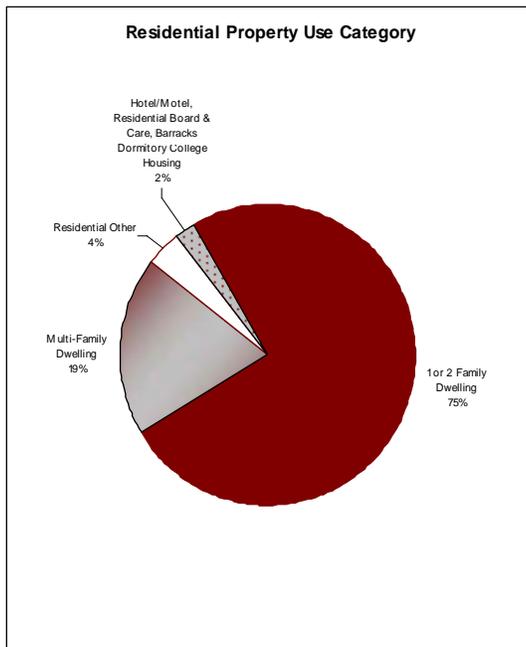
Based on number of incidents reported.

Fire Incidents by Property Use

Outside or special properties were the most frequently reported category reported for fire incidents. Residential properties ranked second in number of incidents, but number one in dollar loss.

Property Use Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	9,449	39%	\$97,560,179	68%
Outside or Special Properties	9,970	41%	\$11,973,840	8%
Storage	667	3%	\$7,804,113	5%
Mercantile and Business	859	4%	\$7,121,133	5%
Manufacturing and Processing	227	1%	\$6,653,459	5%
Health Care, Detention, and Corrections	161	1%	\$4,001,650	3%
Assembly	495	2%	\$3,649,277	3%
Industrial, Utility, Defense, Agriculture, Mining	484	2%	\$2,493,102	2%
Other Property Use	594	2%	\$1,228,239	1%
None	231	1%	\$321,290	0%
Undetermined	913	4%	\$211,546	0%
Educational	371	2%	\$176,896	0%
Grand Total	24,421	100%	\$143,194,724	100%

Forty-one fires were not included in this table because the property use was not documented. Sorted by dollar loss. Percents rounded to the nearest whole number and some categories represent less than 1%.



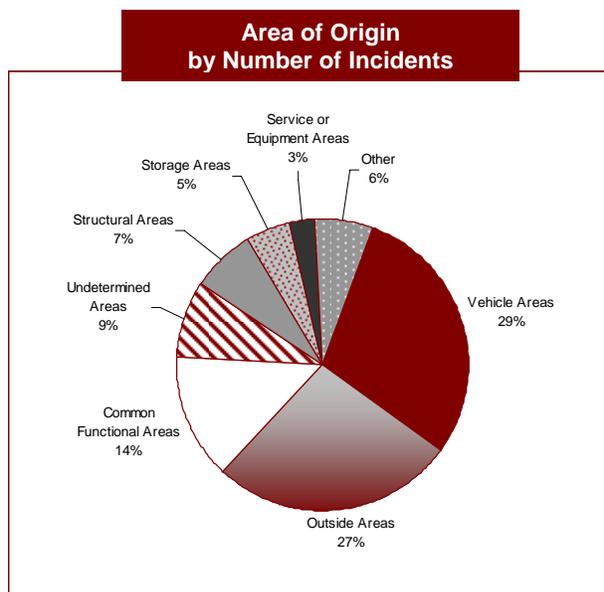
Area of Origin

Area of origin is documented when the Fire Module is completed. Even though every fire has an area of origin, NFIRS does not require every area of origin to be reported. Examples include fires that are confined to a non-combustible container, incident type code “fire, other,” and wildland fires documented through the Wildland Module. The table below includes only incident information documented in the Fire Module.

Common/functional areas was reported with the greatest dollar loss: figures totaling more than \$37 million. Vehicle areas were the leading areas of origin reported in 2005, followed by outside areas. Undetermined areas accounted for 9% of the areas and 12% of the dollar loss.

Area of Origin	Number of Incidents	% of Total Incidents	Total Dollar Loss	% of Total Dollar Loss
Common/Functional Areas	1,900	14%	\$37,052,384	27%
Structural Areas	955	7%	\$26,333,480	19%
Storage Areas	694	5%	\$18,548,856	13%
Undetermined Areas	1,190	9%	\$16,811,823	12%
Vehicle Areas	4,052	29%	\$11,864,555	9%
Outside Areas	3,724	27%	\$9,755,745	7%
Service or Equipment Areas	399	3%	\$7,500,702	5%
Assembly Areas (Groups of People)	284	2%	\$6,287,491	5%
Means of Egress	176	1%	\$2,865,781	2%
Other Areas	371	3%	\$1,376,468	1%
Technical Processing Areas	44	0%	\$896,575	1%
Grand Total	13,789	100%	\$139,293,860	100%

Sorted by dollar loss. Percents rounded to the nearest whole number and some categories represent less than 1%.



Heat Sources

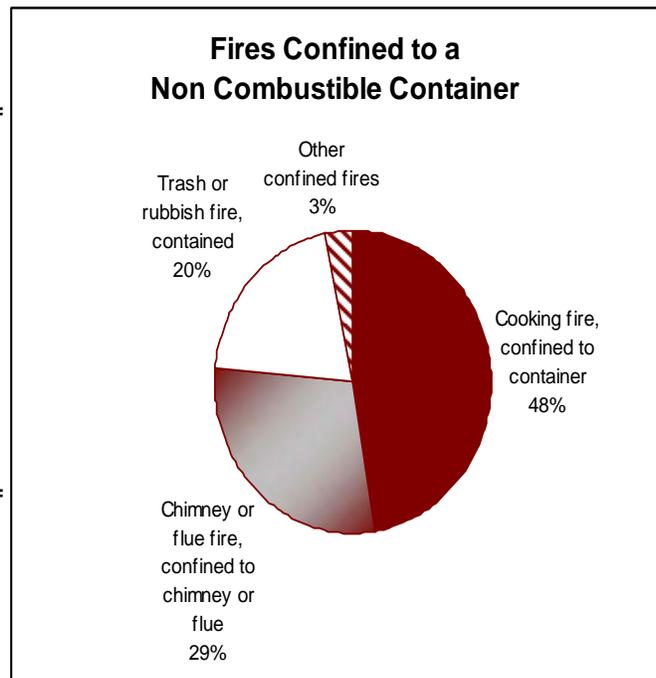
Heat Source is documented in the Fire Module in NFIRS. Fires confined to a non-combustible container, documented as “fire, other,” and heat sources documented in the optional Wildland Module are not included in the table below.

“Undetermined” heat source was reported in 35% of the fire incidents, with associated dollar loss estimated over \$55 million. Operating equipment was the leading known heat source. This category includes sparks, embers, or flames from operating equipment, radiated or conducted heat from operating equipment, electrical arcing, and/or heat from operating equipment.

Heat Source Category	Number of Incidents	% of Total Incidents	Total Reported Dollar Loss	% of Dollar Loss
Undetermined	4,770	35%	\$55,686,484	40%
Operating Equipment	4,117	30%	\$38,540,451	28%
Smoking Materials	888	6%	\$9,790,874	7%
Hot or Smoldering Object	1,566	11%	\$9,634,946	7%
Heat Source Other	590	4%	\$6,291,977	5%
Matches and Lighters	722	5%	\$4,414,677	3%
Candles	208	2%	\$4,394,066	3%
Chemical or Natural	163	1%	\$4,154,573	3%
Explosives and Fireworks	432	3%	\$3,145,639	2%
Flares, Fusees and Torches	161	1%	\$1,484,750	1%
Heat Spread from Another Fire	14	0%	\$977,623	1%
Multiple Heat Sources	80	1%	\$510,300	0%
Backfire from Engine	82	1%	\$267,550	0%
Grand Total	13,793	100%	\$139,293,910	100%

Sorted by dollar loss. Includes heat sources reported in the Fire Module. Percents rounded to the nearest whole number and some categories represent less than 1%.

Using NFIRS, fire incidents confined to a non-combustible container only require basic information to be reported. Some assumptions are made about the heat source and area of fire origin when the fire is a confined cooking, chimney or flue, or trash or rubbish fire.



Residential Properties

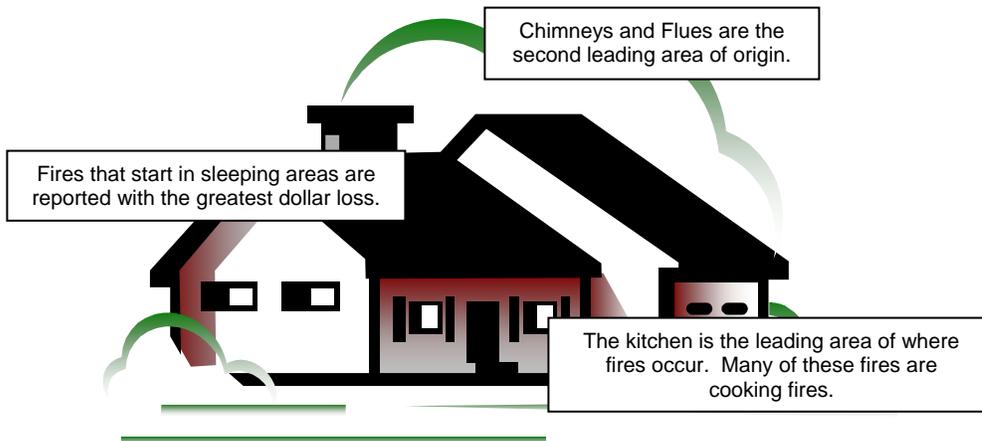
The table below is a breakdown of Area of Origin reported through the Fire Module for residential properties. Even though every fire has an area of origin, NFIRS does not require every area of origin to be reported. Examples include fires that are confined to a non-combustible container, incident type code “fire, other,” and wildland fires documented through the Wildland Module. The table below includes only incident information documented in the Fire Module.

Residential properties include one or two family dwellings, multi-family dwellings, hotels/motels, college housing, barracks, and dormitories.

Area of Origin for Residential Properties

Area of Origin Categories	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss	% of Total Dollar Loss
Common/Functional Areas	1,622	35%	\$34,991,476	37%
Structural Areas	783	17%	\$20,928,277	22%
Storage Areas	317	7%	\$12,144,819	13%
Undetermined	318	7%	\$8,430,601	9%
Outside Areas	615	13%	\$6,584,266	7%
Assembly	243	5%	\$5,529,617	6%
Mean of Egress	127	3%	\$2,723,931	3%
Service or Equipment Areas	215	5%	\$1,797,565	2%
Vehicle Areas	308	7%	\$1,464,225	2%
Other Areas	121	3%	\$545,995	1%
Technical Processing Areas	2	0%	\$0	0%
Grand Total	4,671	100%	\$95,140,772	100%

Sorted by dollar loss. Percents rounded to the nearest whole number and some categories represent less than 1%.



Cause of Ignition

The table below illustrates the causes of ignition reported through the Fire Module. The general causal factors that result in a heat source igniting a combustible material are essential pieces of information in guiding fire prevention efforts. Causes can be the result of a deliberate act, mechanical failure, or act of nature.

Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Unintentional	5,236	38%	\$56,124,434	40%
Cause Under Investigation	1,311	10%	\$36,970,793	27%
Failure of Equipment or Heat Source	2,506	18%	\$14,787,315	11%
Intentional	1,946	14%	\$11,117,574	8%
Cause Undetermined After Investigation	1,874	14%	\$10,461,571	8%
Cause, Other	777	6%	\$9,528,493	7%
Act of Nature	151	1%	\$303,230	0%
Grand Total	13,801	100%	\$139,293,410	100%

Sorted by dollar loss. Percents rounded to the nearest whole number and some categories represent less than 1%.

Intentionally Set Fires by Property Use

Intentionally set fires result in millions of dollars in property and content loss in our state. The table below is a breakdown of property use for intentionally set fires documented through the Fire Module. While fires outside were the leading intentionally set fire category, residential properties resulted in the greatest amount of dollar loss.

Property Use Category	Total Number of Incidents	% of Number of Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	495	25%	\$5,374,491	48%
Assembly	46	2%	\$2,267,331	20%
Mercantile and Business	41	2%	\$1,439,210	13%
Outside or Special Properties	821	42%	\$1,069,806	10%
Storage	60	3%	\$464,582	4%
Health Care, Detention, and Corrections	9	0%	\$208,500	2%
Other Property Use	64	3%	\$179,850	2%
Undetermined	305	16%	\$36,268	0%
None	16	1%	\$35,000	0%
Educational	55	3%	\$31,486	0%
Industrial, Utility, Defense, Agriculture, Mining	32	2%	\$11,050	0%
Manufacturing and Processing	2	0%	\$0	0%
Grand Total	1,946	100%	\$11,117,574	100%

Sorted by dollar loss. Percents rounded to the nearest whole number and some categories represent less than 1%.

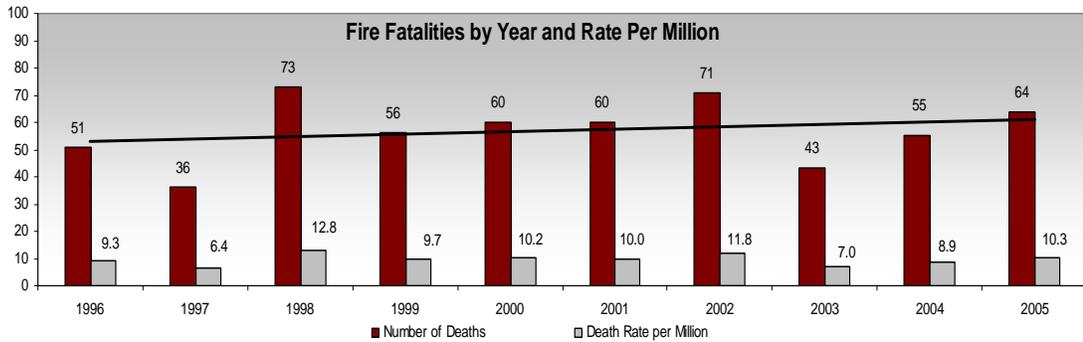
Intentionally Set Fires		
Year	Incidents	Dollar Loss
2001	931	\$3,698,993
2002	932	\$19,690,891
2003	1,583	\$7,974,804
2004	1,993	\$10,998,657
2005	1,946	\$11,117,574

Historical information is based on incident information presented in the Fire in Washington Annual Reports.

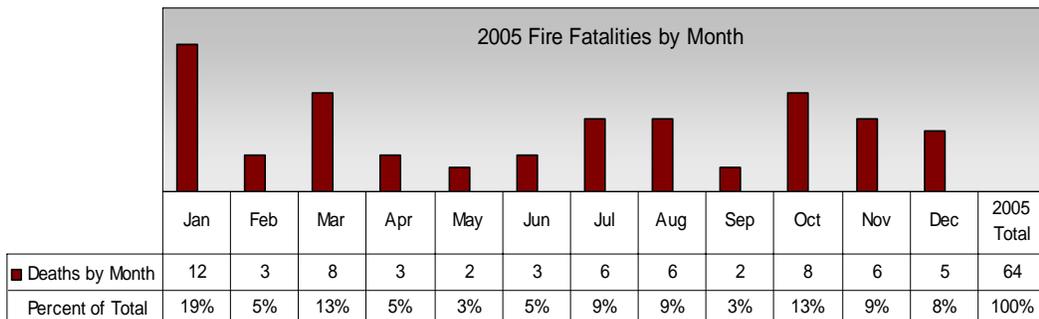
Fire Fatalities

RCW 48.48.065 requires agencies to report any death resulting from fire within two business days to the Office of the State Fire Marshal. The statistical information reflected in this report is based on incidents reported in accordance with the statute.

In the past ten years, 569 people have lost their lives in deadly fires in Washington State. In 2005 alone, fire agencies reported 64 fire fatalities to the Office of the State Fire Marshal, representing an increase of approximately 16% over the previous year. The fire death rate in 2005 was 10.3 per one million people. Washington was ranked with the fifth lowest death rate in the nation (most current national data available through the United States Fire Administration is 2003 statistics).



During fall and winter, inclement weather keeps Washington residents inside. Historically, fire deaths increase during those months. Fire agencies reported 12 deaths in January, which accounted for 19% of the deaths in 2005. March and October were tied as the second deadliest months, each accounting for 13% of the total fire deaths in 2005.



Causes of Fire Fatalities

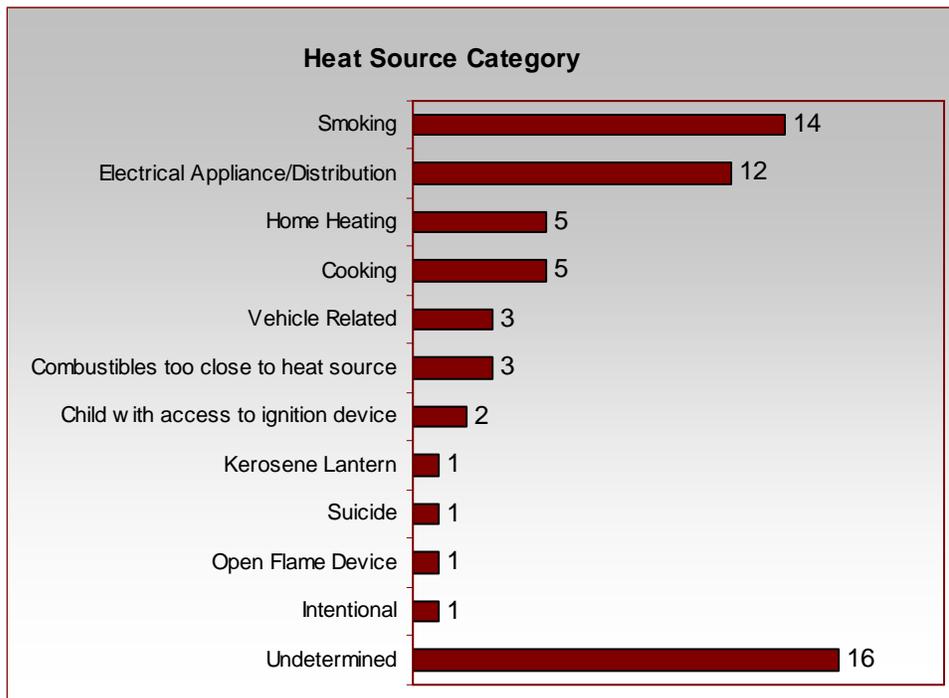
Smoking continues to be the leading cause of fire deaths in Washington (22%). Of the smoking-related deaths reported, 86% occurred in residential structures. Smoking-related deaths can be reduced if the person smoking was alert and kept all materials that can burn away from lit smoking materials. In addition, smoking should never be done while oxygen treatment is in use.

The second leading cause in 2005 was electrical appliances and distribution (19%). Many electrical-related fires are caused by misuse or poor maintenance of electrical appliances, improperly installation wiring, circuits being overloaded, or extension cords.

Home heating and cooking were tied as the third leading causes, each accounting for 8% of the total number fire deaths reported last year. Equipment and appliances that are not used and maintained in accordance with manufacturer's recommendations contribute to home heating fires.

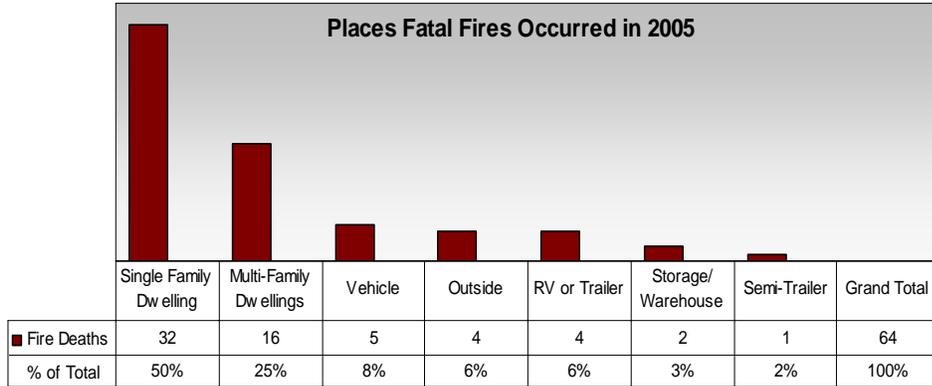
Leaving food unattended or wearing loose fitting clothing plays a role in cooking-related fires and deaths.

In 2005, approximately 25% of the fatal fire incidents were reported with undetermined heat sources.



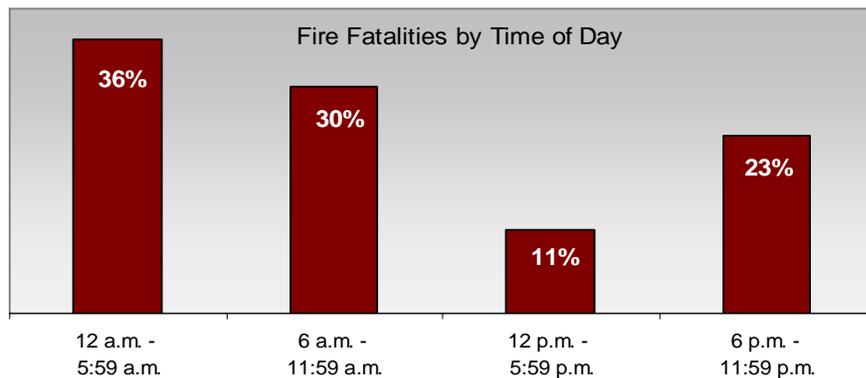
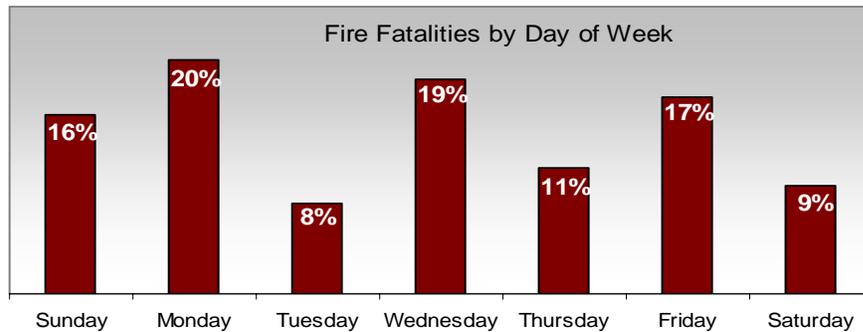
Where Fire Fatalities Occurred

Fatal fires occur most frequently in places where people live and sleep. The combination of single family dwellings, multi-family dwellings, and recreational vehicles and travel trailers account for 81% of the total reported incidents in 2005.



When Fire Fatalities Occurred

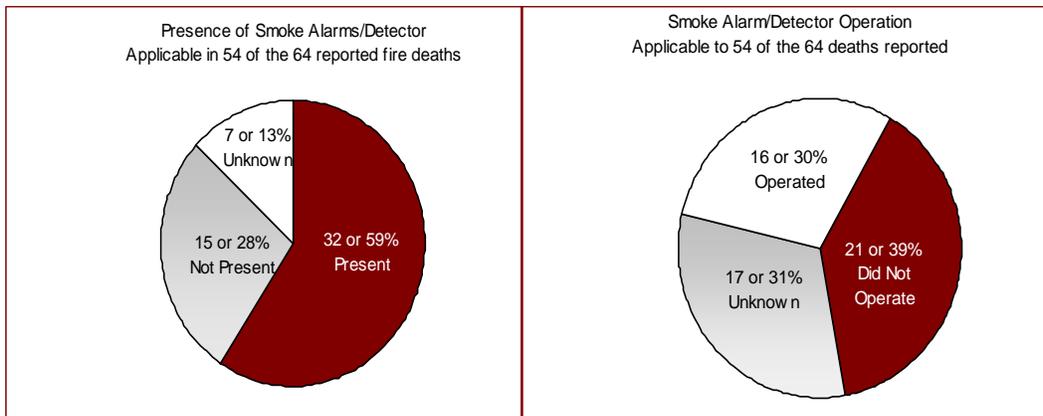
Deadly fires can strike at anytime of the day or night. In 2005, fire fatalities most frequently occurred on Mondays (20%), followed by Wednesday (19%). The majority of fire fatalities occurred while people were sleeping, between the hours of midnight to noon.



Fire Fatalities and Fire Protection Devices

Fire protection devices, such as smoke alarms and fire sprinklers, play a key role in reducing the loss of life in fires. Smoke alarms provide early notification to the occupants that a fire is present, while fire sprinklers are designed to confine the fire to the room of origin.

In 2005, 10 fire deaths (16%) occurred in vehicles or where no fire protection devices were installed. Of the 54 remaining, 16 fire deaths occurred where smoke detectors were reported to be operational. Human factors played a role in the majority of these incidents. Some may not have heard the smoke alarm because they were sleeping. Others had physical or mental disabilities or may have been under the influence of drugs or alcohol.



Fire sprinklers were reported to be present in the buildings where two separate fire deaths occurred in 2005.

Incident 1: The fire occurred in an apartment building equipped with fire sprinklers. The victim's clothing caught on fire and the fire was not large enough to activate the fire sprinkler system.

Incident 2: The fire occurred in a condominium building equipped with fire sprinklers. The fire started on the victim's clothing. The sprinkler system activated and contained the fire to the victim.

Fire Deaths by County

Over the past five years, 293 fire fatalities have been reported. During that time period, Columbia, Ferry, Garfield, Lincoln, Wahkiakum, and Whitman counties have had no fire deaths. The combined densely populated counties of King, Pierce, and Snohomish account for 43% of the total deaths reported during this time period.

County	2001	2002	2003	2004	2005	5-Year Total
Adams	0	0	0	0	1	1
Asotin	0	2	0	0	0	2
Benton	1	0	1	2	1	5
Chelan	0	2	0	0	0	2
Clallam	4	0	0	1	0	5
Clark	1	3	2	2	1	9
Columbia	0	0	0	0	0	0
Cowlitz	0	0	0	2	5	7
Douglas	0	0	1	0	0	1
Ferry	0	0	0	0	0	0
Franklin	0	0	0	0	1	1
Garfield	0	0	0	0	0	0
Grant	2	0	0	0	0	2
Grays Harbor	2	4	3	2	3	14
Island	2	1	0	0	0	3
Jefferson	3	0	0	0	0	3
King	8	12	10	10	13	53
Kitsap	1	5	0	1	3	10
Kittitas	0	0	1	1	0	2
Klickitat	0	0	1	0	0	1
Lewis	3	0	3	0	1	7
Lincoln	0	0	0	0	0	0
Mason	2	1	0	1	1	5
Okanogan	5	3	2	2	1	13
Pacific	0	0	1	1	1	3
Pend Oreille	3	1	0	0	0	4
Pierce	5	12	5	13	8	43
San Juan	1	0	0	0	0	1
Skagit	1	2	0	0	4	7
Skamania	0	1	0	0	0	1
Snohomish	7	6	4	4	8	29
Spokane	5	3	1	7	4	20
Stevens	0	0	1	1	0	2
Thurston	2	6	4	2	0	14
Wahkiakum	0	0	0	0	0	0
Walla Walla	1	1	0	0	2	4
Whatcom	0	0	1	0	2	3
Whitman	0	0	0	0	0	0
Yakima	1	6	2	3	4	16
Total by Year	60	71	43	55	64	293

Region 1

Clallam, Jefferson, Kitsap, and Mason counties are part of Region 1. In 2005, 81% of the fire agencies in this region reported NFIRS data to the Office of the State Fire Marshal.



Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Fire	1,364	4%	\$7,832,610	99%
Rescue and Emergency Medical Service	25,651	68%	\$85,025	1%
Service Calls	3,957	11%	\$12,074	0%
Severe Weather and Natural Disaster	20	0%	\$4,000	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	101	0%	\$1,200	0%
Hazardous Condition	1,043	3%	\$905	0%
Good Intent	3,190	8%	\$504	0%
False Alarms and False Calls	498	1%	\$16	0%
Other Types of Incidents	194	1%	\$4	0%
Unintentional False Fire Protection System Activation	1,068	3%	\$2	0%
Fire Protection System Malfunction	589	2%	\$2	0%
Undetermined	3	0%	\$0	0%
Grand Total	37,678	100%	\$7,936,342	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Fire Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structure Fires (including confined fires)	493	36%	\$6,535,808	83%
Vehicles (Mobile Properties)	268	20%	\$759,884	10%
Fixed Mobile Property	35	3%	\$451,200	6%
Fire Other	109	8%	\$72,516	1%
Outside Rubbish	159	12%	\$6,348	0%
Outside Storage and Equipment	43	3%	\$5,250	0%
Natural Vegetation	256	19%	\$1,604	0%
Cultivated Vegetation	1	0%	\$0	0%
Grand Total	1,364	100%	\$7,832,610	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Confined Fires by Type	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Fuel Burner/Boiler Malfunction, Fire Confined	10	4%	\$68,500	84%
Trash or Rubbish Fire, Contained	42	17%	\$6,160	8%
Cooking Fire, Confined to Container	72	29%	\$3,725	5%
Chimney or Flue Fire, Confined to Chimney or Flue	123	50%	\$3,450	4%
Commercial Compactor Fire, Confined to Rubbish	1	0%	\$0	0%
Grand Total	248	100%	\$81,835	100%

These incidents are included in the fire counts listed above. Confined fires do not require area of origin or heat sources to be documented. Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Region 1

Fires by:

Property Use Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	641	47%	\$6,226,012	79%
Outside or Special Properties	515	38%	\$513,409	7%
Storage	34	2%	\$406,150	5%
Mercantile and Business	44	3%	\$404,348	5%
Assembly	25	2%	\$128,800	2%
Industrial, Utility, Defense, Agriculture, Mining	20	1%	\$126,000	2%
Other Property Use	27	2%	\$14,004	0%
Educational	24	2%	\$6,415	0%
None	8	1%	\$6,170	0%
Manufacturing and Processing	6	0%	\$1,000	0%
Undetermined	11	1%	\$302	0%
Health Care, Detention, and Corrections	8	1%	\$0	0%
Grand Total	1,363	100%	\$7,832,610	100%

Sorted by dollar loss. Excludes aid given incidents. Property use not reported for one incident. Percents rounded to the nearest whole number and some categories represent less than 1%.

Area of Origin	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structural Areas	59	7%	\$1,995,146	26%
Common/Functional Areas	132	16%	\$1,753,182	23%
Storage Areas	49	6%	\$1,041,263	14%
Means of Egress	17	2%	\$732,102	10%
Undetermined Areas	73	9%	\$649,745	8%
Vehicle Areas	227	28%	\$606,531	8%
Outside Areas	128	16%	\$325,744	4%
Service or Equipment Areas	66	8%	\$276,770	4%
Assembly Areas (Groups of People)	25	3%	\$240,388	3%
Technical Processing Areas	4	0%	\$25,000	0%
Other Areas	25	3%	\$3,100	0%
Grand Total	805	100%	\$7,648,971	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Heat Source Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Undetermined	256	32%	\$2,917,198	38%
Operating Equipment	251	31%	\$2,677,230	35%
Hot or Smoldering Object	121	15%	\$499,978	7%
Smoking Materials	46	6%	\$464,630	6%
Explosives and Fireworks	15	2%	\$328,888	4%
Chemical or Natural	9	1%	\$312,500	4%
Candles	14	2%	\$161,324	2%
Heat Source Other	42	5%	\$129,500	2%
Heat Spread from Another Fire	0	0%	\$101,623	1%
Matches and Lighters	30	4%	\$54,300	1%
Backfire from Engine	9	1%	\$1,300	0%
Multiple Heat Sources	6	1%	\$500	0%
Flares, Fusees and Torches	6	1%	\$0	0%
Grand Total	805	100%	\$7,648,971	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%. Includes heat sources reported in the Fire Module.

Fire Deaths by County	# of Deaths
Clallam	0
Kitsap	3
Jefferson	0
Mason	1
Regional Total	4

Fire Death Rate	Region	State	National*
Population	393,375	6,287,759	298,978,245
Rate per Million	10.3	10.3	13.0

*Based on 2003 Fire Fatality Statistics by the United States Fire Administration.

Region 1 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Clallam	Clallam #1, Forks	0	0	0	0	\$0
	Clallam #2, Port Angeles	929	0	42	971	\$0
	Clallam #3, Sequim	3,939	0	5	3,944	\$446,520
	Clallam #4, Joyce	0	0	0	0	\$0
	Clallam #5, Clallam Bay/Sekiu	22	0	0	22	\$0
	Clallam #6, Quillayute Prairie	1	0	0	1	\$0
	La Push Fire Dept	0	0	0	0	\$0
	Port Angeles Fire Dept	3,206	0	12	3,218	\$350,935
Clallam Total		8,097	0	59	8,156	\$797,455
Jefferson	Jefferson #1, Chimacum	707	0	182	889	\$166,575
	Jefferson #2, Quilcene	216	0	85	301	\$547,150
	Jefferson #3, Port Ludlow	451	0	59	510	\$130,200
	Jefferson #4, Brinnon	137	0	8	145	\$0
	Jefferson #5, Discovery Bay	87	0	28	115	\$0
	Jefferson #6, Cape George/	307	0	993	1,300	\$435,700
	Jefferson #7, Clearwater	0	0	0	0	\$0
	Port Townsend Fire Dept	1,541	0	182	1,723	\$45,410
Jefferson Total		3,446	0	1,537	4,983	\$1,325,035
Kitsap	Bremerton Fire Dept	1,635	0	97	1,732	\$402,000
	Central Kitsap Fire and Rescue	6,805	3	297	7,105	\$1,836,182
	Kitsap #10, North Kitsap	2,175	0	359	2,534	\$234,000
	Kitsap #18/City of Poulsbo	2,905	0	262	3,167	\$4,100
	Kitsap #2, Bainbridge Island	542	0	3	545	\$0
	South Kitsap Fire and Rescue	8,452	6	129	8,587	\$2,346,400
Kitsap Total		22,514	9	1,147	23,670	\$4,822,682
Mason	Mason #1, Hoodspout	0	0	0	0	\$0
	Mason #11, Shelton	0	0	0	0	\$0
	Mason #12, Matlock	95	0	0	95	\$0
	Mason #13, Elma	69	0	14	83	\$0
	Mason #16, Dayton	164	0	8	172	\$1,300
	Mason #17, Lilliwaup/Eldon	14	0	2	16	\$0
	Mason #18, Lake Cushman	15	0	0	15	\$0
	Mason #2, Belfair	211	0	25	236	\$213,360
	Mason #3, Grapeview	172	0	7	179	\$0
	Mason #4, Arcadia/Kamilche	807	0	66	873	\$0
	Mason #5, Allyn/Agate/Shelton	19	0	0	19	\$395,310
	Mason #6, Union	52	0	31	83	\$100,000
	Mason #8, Tahuya	0	0	0	0	\$0
	Mason #9, Skokomish Valley	244	0	43	287	\$0
Shelton Fire Dept	1,759	0	45	1,804	\$281,200	
Mason Total		3,621	0	241	3,862	\$991,170
Grand Total		37,678	9	2,984	40,671	\$7,936,342

Region 2

Grays Harbor, Pacific, and Thurston counties are part of Region 2. In 2005, 79% of the fire agencies in Region 2 submitted NFIRS data to the Office of the State Fire Marshal.



Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Fire	1,455	5%	\$6,010,087	99%
Rescue and Emergency Medical Service	20,920	72%	\$54,700	1%
Hazardous Condition	663	2%	\$3,245	0%
Service Calls	1,487	5%	\$3,000	0%
Other Types of Incidents	58	0%	\$2,000	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	35	0%	\$250	0%
Unintentional False Fire Protection System Activation	861	3%	\$50	0%
Severe Weather and Natural Disaster	31	0%	\$0	0%
Good Intent	2,405	8%	\$0	0%
False Alarms and False Calls	539	2%	\$0	0%
Fire Protection System Malfunction	610	2%	\$0	0%
Undetermined	2	0%	\$0	0%
Grand Total	29,066	100%	\$6,073,332	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Fire Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structure Fires (including confined fires)	468	32%	\$5,249,487	87%
Vehicles (Mobile Properties)	262	18%	\$366,575	6%
Fire Other	123	8%	\$279,600	5%
Fixed Mobile Property	20	1%	\$114,000	2%
Outside Storage and Equipment	48	3%	\$300	0%
Outside Rubbish	250	17%	\$100	0%
Natural Vegetation	281	19%	\$25	0%
Cultivated Vegetation	3	0%	\$0	0%
Grand Total	1,455	100%	\$6,010,087	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Confined Fires by Type	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Cooking Fire, Confined to Container	78	36%	\$1,555	45%
Chimney or Flue Fire, Confined to Chimney or Flue	105	48%	\$1,500	44%
Trash or Rubbish Fire, Contained	29	13%	\$365	11%
Fuel Burner/Boiler Malfunction, Fire Confined	4	2%	\$0	0%
Commercial Compactor Fire, Confined to Rubbish	1	0%	\$0	0%
Grand Total	217	100%	\$3,420	100%

These incidents are included in the fire counts listed above. Confined fires do not require area of origin or heat sources to be documented. Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Region 2

Fires by:

Property Use Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	624	43%	\$4,218,812	71%
Manufacturing and Processing	16	1%	\$815,000	14%
Outside or Special Properties	592	41%	\$327,560	5%
Storage	34	2%	\$292,600	5%
Health Care, Detention, and Corrections	9	1%	\$190,000	3%
Industrial, Utility, Defense, Agriculture, Mining	15	1%	\$70,000	1%
Assembly	34	2%	\$48,165	1%
None	26	2%	\$9,750	0%
Mercantile and Business	53	4%	\$9,700	0%
Undetermined	22	2%	\$1,000	0%
Other Property Use	16	1%	\$500	0%
Educational	9	1%	\$0	0%
Grand Total	1,450	100%	\$5,983,087	100%

Sorted by dollar loss. Property use not reported for 5 incidents. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Area of Origin	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structural Areas	51	7%	\$1,574,400	29%
Common/Functional Areas	119	16%	\$693,030	13%
Other Areas	24	3%	\$600,000	11%
Undetermined Areas	86	12%	\$501,150	9%
Vehicle Areas	222	30%	\$491,225	9%
Storage Areas	37	5%	\$426,785	8%
Service or Equipment Areas	22	3%	\$421,150	8%
Outside Areas	164	22%	\$405,727	7%
Assembly Areas (Groups of People)	9	1%	\$300,500	6%
Means of Egress	6	1%	\$13,200	0%
Technical Processing Areas	4	1%	\$10,000	0%
Grand Total	744	100%	\$5,437,167	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Heat Source Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Undetermined	234	31%	\$2,741,097	50%
Smoking Materials	46	6%	\$994,650	18%
Operating Equipment	214	29%	\$869,345	16%
Hot or Smoldering Object	98	13%	\$587,175	11%
Heat Source Other	43	6%	\$112,500	2%
Candles	10	1%	\$49,300	1%
Explosives and Fireworks	23	3%	\$40,000	1%
Chemical or Natural	13	2%	\$25,000	0%
Flares, Fusees and Torches	14	2%	\$10,000	0%
Matches and Lighters	43	6%	\$8,100	0%
Heat Spread from Another Fire	0	0%	\$0	0%
Backfire from Engine	4	1%	\$0	0%
Multiple Heat Sources	2	0%	\$0	0%
Grand Total	744	100%	\$5,437,167	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%. Includes heat sources reported in the Fire Module.

2005 Fire Deaths by County	# of Deaths	2005 Fire Death	Region	State	National*
Grays Harbor	3	Population	321,346	6,287,759	298,978,245
Pacific	1	Death Rate per Million	12.5	10.3	13.0
Thurston					
Regional Total	4				

*Based on 2003 Fire Fatality Statistics by the United States Fire Administration.

Region 2 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Grays Harbor	Aberdeen Fire Dept	415	2	14	431	\$371,330
	Cosmopolis Fire Dept	1	0	0	1	\$0
	Elma Fire Dept	0	0	0	0	\$0
	Grays Harbor #1, Oakville	53	0	10	63	\$972,200
	Grays Harbor #10, Wishkah	6	0	1	7	\$500
	Grays Harbor #11, Grayland	34	0	7	41	\$122,700
	Grays Harbor #12, McCleary	36	0	1	37	\$39,100
	Grays Harbor #14, Ocosta	84	0	20	104	\$0
	Grays Harbor #15, Cosmopolis	0	0	0	0	\$0
	Grays Harbor #16, Copalis Crossing	0	0	0	0	\$0
	Grays Harbor #17, Humptulip	9	0	1	10	\$38,750
	Grays Harbor #2, Central Park	524	0	32	556	\$418,500
	Grays Harbor #4, Amanda Park	2	0	0	2	\$0
	Grays Harbor #5, Elma/Satsop	18	1	1	20	\$543,300
	Grays Harbor #6, North Hoquiam	0	0	0	0	\$0
	Grays Harbor #7, Copalis Beach	0	0	0	0	\$0
	Grays Harbor #8, Pacific Beach	1	1	0	2	\$0
	Hoquiam Fire Dept	142	0	15	157	\$74,200
	McCleary Fire Dept	36	0	39	75	\$2,000
	Montesano Fire Dept	799	0	5	804	\$0
Ocean Shores Fire Dept	329	0	21	350	\$10,500	
Westport Fire Dept	216	0	53	269	\$0	
Grays Harbor Total		2,705	4	220	2,929	\$2,593,080
Pacific	Ilwaco Fire Dept	101	0	42	143	\$15,200
	Long Beach Fire Dept	67	0	10	77	\$7,500
	Pacific #1, Ocean Park	1,757	0	726	2,483	\$437,300
	Pacific #2, Chinook Valley	0	0	0	0	\$0
	Pacific #3, Willapa Valley	35	0	0	35	\$244,800
	Pacific #4, Naselle	0	0	0	0	\$0
	Pacific #5, North Cove/Tokeland	0	0	0	0	\$0
	Pacific #6, Bay Center	0	0	0	0	\$0
	Pacific #7, Nemah	36	0	0	36	\$0
	Raymond Fire Dept	65	0	0	65	\$163,260
South Bend/Pacific #8	15	0	1	16	\$8,200	
Pacific Total		2,076	0	779	2,855	\$876,260
Thurston	Bucoda Fire Dept	0	0	0	0	\$0
	Lacey Fire District 3	9,264	1	163	9,428	\$1,228,200
	Olympia Fire Dept	7,246	0	118	7,364	\$1,146,092
	SE Thurston Fire and EMS	1,966	0	8	1,974	\$0
	Thurston #1, Rochester/Grand Mound	215	0	16	231	\$17,600
	Thurston #11, Littlerock	1	0	0	1	\$0
	Thurston #12, Tenino	585	0	60	645	\$0
	Thurston #13, Griffin	356	0	25	381	\$8,500
	Thurston #16, Gibson Valley	63	0	1	64	\$0
	Thurston #5, Black Lake	110	0	20	130	\$0
	Thurston #6, East Olympia	805	0	52	857	\$0
	Thurston #7, North Olympia	133	0	14	147	\$0
	Thurston #8, South Bay	485	0	92	577	\$0
	Thurston #9, McLane	695	0	315	1,010	\$0
Tumwater Fire Dept	2,361	0	78	2,439	\$178,600	
Thurston Total		24,285	1	962	25,248	\$2,578,992
Grand Total		29,066	5	1,961	31,032	\$6,048,332

Region 3

Island, San Juan, Skagit, and Whatcom counties are part of Region 3. In 2005, 91% of the fire agencies submitted NFIRS data to the Office of the State Fire Marshal.



Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Fire	1,753	6%	\$6,644,653	100%
Service Calls	1,285	4%	\$11,600	0%
Hazardous Condition	864	3%	\$9,570	0%
Rescue and Emergency Medical Service	23,121	73%	\$3,900	0%
Unintentional False Fire Protection System Activation	1,151	4%	\$500	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	57	0%	\$200	0%
Fire Protection System Malfunction	423	1%	\$200	0%
Other Types of Incidents	186	1%	\$0	0%
Severe Weather and Natural Disaster	28	0%	\$0	0%
Good Intent	2,157	7%	\$0	0%
False Alarms and False Calls	671	2%	\$0	0%
Undetermined	18	0%	\$0	0%
Grand Total	31,714	100%	\$6,670,623	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Fire Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structure Fires (including confined fires)	575	33%	\$6,045,995	91%
Vehicles (Mobile Properties)	298	17%	\$487,629	7%
Fixed Mobile Property	22	1%	\$70,320	1%
Fire Other	164	9%	\$31,320	0%
Outside Storage and Equipment	74	4%	\$4,550	0%
Natural Vegetation	328	19%	\$3,802	0%
Outside Rubbish	277	16%	\$1,037	0%
Cultivated Vegetation	15	1%	\$0	0%
Grand Total	1,753	100%	\$6,644,653	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Confined Fires by Type	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Cooking Fire, Confined to Container	115	38%	\$134,750	99%
Fuel Burner/Boiler Malfunction, Fire Confined	5	2%	\$1,015	1%
Chimney or Flue Fire, Confined to Chimney or Flue	110	36%	\$250	0%
Trash or Rubbish Fire, Contained	74	24%	\$235	0%
Commercial Compact or Fire, Confined to Rubbish	1	0%	\$0	0%
Incinerator Overload or Malfunction, Fire Confined	1	0%	\$0	0%
Grand Total	306	100%	\$136,250	100%

These incidents are included in the fire counts listed above. Confined fires do not require area of origin or heat sources to be documented. Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Region 3

Fires by:

Property Use Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	747	43%	\$4,715,567	71%
Outside or Special Properties	734	42%	\$506,246	8%
Industrial, Utility, Defense, Agriculture, Mining	33	2%	\$490,450	7%
Manufacturing and Processing	16	1%	\$475,600	7%
Storage	49	3%	\$221,360	3%
Assembly	34	2%	\$104,505	2%
Mercantile and Business	66	4%	\$89,225	1%
Other Property Use	18	1%	\$40,000	1%
Educational	13	1%	\$1,200	0%
None	16	1%	\$500	0%
Health Care, Detention, and Corrections	8	0%	\$0	0%
Undetermined	18	1%	\$0	0%
Grand Total	1,752	100%	\$6,644,653	100%

Sorted by dollar loss. Property use not reported for one incident. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Area of Origin	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Common/Functional Areas	120	14%	\$1,697,315	27%
Structural Areas	56	7%	\$1,046,300	17%
Outside Areas	139	16%	\$833,602	13%
Storage Areas	49	6%	\$805,060	13%
Undetermined Areas	174	20%	\$778,600	12%
Vehicle Areas	225	26%	\$421,729	7%
Service or Equipment Areas	23	3%	\$304,000	5%
Assembly Areas (Groups of People)	18	2%	\$214,500	3%
Technical Processing Areas	1	0%	\$150,000	2%
Means of Egress	12	1%	\$30,525	0%
Other Areas	38	4%	\$21,615	0%
Grand Total	855	100%	\$6,303,246	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Heat Source Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Undetermined	366	43%	\$2,733,060	43%
Operating Equipment	235	27%	\$1,263,059	20%
Heat Source Other	39	5%	\$662,102	11%
Hot or Smoldering Object	82	10%	\$392,300	6%
Flares, Fusees, and Torches	10	1%	\$382,000	6%
Matches and Lighters	34	4%	\$222,100	4%
Candles	12	1%	\$177,100	3%
Smoking Materials	41	5%	\$157,125	2%
Backfire from Engine	4	0%	\$135,500	2%
Explosives and Fireworks	22	3%	\$131,900	2%
Heat Spread from Another Fire	2	0%	\$20,000	0%
Multiple Heat Sources	2	0%	\$20,000	0%
Chemical or Natural	6	1%	\$7,000	0%
Grand Total	855	100%	\$6,303,246	100%

Sorted by dollar loss. Excludes aid given incidents. Includes heat sources reported in the Fire Module. Percents rounded to the nearest whole number and some categories represent less than 1%.

2005 Fire Deaths by County	# of Deaths
Island	0
San Juan	0
Skagit	4
Whatcom	2
Regional Total	6

2005 Fire Death	Region	State	National*
Population	391,168	6,287,759	298,978,245
Death Rate per Million	15.4	10.3	13.0

*Based on 2003 Fire Fatality Statistics by the United States Fire Administration.

Region 3 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Island	Island #1, Camano Island	1,313	0	72	1,385	\$59,100
	Island #2, North Whidbey Island	680	0	69	749	\$50,000
	Island #3, South Whidbey Island	282	0	3	285	\$27,300
	Island #5, Central Whidbey Island	852	1	22	875	\$27,500
	Oak Harbor Fire Dept	793	0	563	1,356	\$268,645
Island Total		3,920	1	729	4,650	\$432,545
San Juan	Friday Harbor Fire Dept	98	0	28	126	\$21,006
	San Juan #2, Orcas Island	222	0	208	430	\$200
	San Juan #3, San Juan Island	211	0	39	250	\$16,975
	San Juan #4, Lopez Island	74	0	0	74	\$345,500
	San Juan #5, Shaw Island	6	0	0	6	\$0
San Juan Total		611	0	275	886	\$383,681
Skagit	Anacortes Fire Dept	486	0	10	496	\$719,775
	Burlington Fire Dept	1,131	0	16	1,147	\$179,500
	Concrete Fire Dept	29	0	2	31	\$0
	Hamilton Fire Dept	1	0	0	1	\$3,000
	La Conner Fire Dept	0	0	0	0	\$0
	Mount Vernon Fire Dept	2,334	0	28	2,362	\$50,725
	Sedro-Wolley Fire Dept	1,541	0	12	1,553	\$753,900
	Skagit # 16, Day Creek	3	0	0	3	\$7,750
	Skagit #10, Concrete	0	0	0	0	\$0
	Skagit #11, Mt. Erie	71	2	12	85	\$6,500
	Skagit #12, Bay View	2	0	0	2	\$40,000
	Skagit #13, Hope Island/Summit Park	549	0	21	570	\$0
	Skagit #14, Alger	8	0	0	8	\$0
	Skagit #15, Lake McMurray	35	0	1	36	\$0
	Skagit #17, Guemes Island	8	0	0	8	\$7,000
	Skagit #19, Rockport/Marblemount	0	0	0	0	\$0
	Skagit #2, McLean Road	240	1	13	254	\$565,900
	Skagit #3, Conway/Cederdale	252	34	46	332	\$150,000
	Skagit #4, Clear Lake	25	0	0	25	\$0
	Skagit #5, Bow/Edison	164	0	0	164	\$0
Skagit #6, Burlington	0	0	0	0	\$0	
Skagit #7, Lake Cavanaugh	3	0	0	3	\$0	
Skagit #8, Sedro-Woolley	131	0	9	140	\$1,000	
Skagit #9, Big Lake	116	0	12	128	\$0	
Skagit Total		7,129	37	182	7,348	\$2,485,050
Whatcom	Bellingham Fire Dept	13,000	0	9	13,009	\$291,492
	Lynden Fire Dept	978	0	6	984	\$381,200
	Whatcom #1, Everson	1	0	0	1	\$0
	Whatcom #10, Bellingham	115	0	9	124	\$0
	Whatcom #11, Lummi Island	52	0	0	52	\$0
	Whatcom #13, Blaine	1,295	1	9	1,305	\$278,020
	Whatcom #14, Sumas	665	0	10	675	\$0
	Whatcom #16, Acme	16	0	1	17	\$0
	Whatcom #17, Sandy Point	76	0	0	76	\$77,000
	Whatcom #18, S Lake Whatcom	14	0	1	15	\$500
	Whatcom #19, Glacier	0	0	0	0	\$0
	Whatcom #2, Sudden Valley	261	0	37	298	\$0
	Whatcom #3, Lynden	734	0	24	758	\$499,120
	Whatcom #4, Bellingham	495	0	14	509	\$370,000
	Whatcom #5, Point Roberts	141	0	3	144	\$19,000
	Whatcom #6, Chuckanut Drive	44	0	2	46	\$506,000
	Whatcom #7, Ferndale	1,273	0	49	1,322	\$523,900
	Whatcom #8, Marietta	821	0	11	832	\$423,115
	Whatcom #9, Lake Samish	73	1	55	129	\$0
Whatcom Total		20,054	2	240	20,296	\$3,369,347
Grand Total		31,714	40	1,426	33,180	\$6,670,623

Region 4

King, Pierce, and Snohomish counties are part of Region 4. In 2005, 91% of the fire agencies submitted NFIRS data to the Office of the State Fire Marshal.



Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Fire	10,979	4%	\$70,597,594	99%
Rescue and Emergency Medical Service	174,268	67%	\$267,100	0%
Hazardous Condition	6,454	2%	\$130,903	0%
Service Calls	19,826	8%	\$120,876	0%
Fire Protection System Malfunction	7,283	3%	\$42,000	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	947	0%	\$12,275	0%
Severe Weather and Natural Disaster	138	0%	\$12,000	0%
Other Types of Incidents	2,055	1%	\$6,500	0%
Unintentional False Fire Protection System Activation	12,410	5%	\$450	0%
Good Intent	20,900	8%	\$450	0%
False Alarms and False Calls	5,555	2%	\$400	0%
Undetermined	144	0%	\$0	0%
Grand Total	260,959	100%	\$71,190,548	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Fire Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structure Fires (including confined fires)	3,636	33%	\$64,137,908	91%
Vehicles (Mobile Properties)	2,285	21%	\$5,463,066	8%
Fixed Mobile Property	99	1%	\$587,700	1%
Fire Other	620	6%	\$122,732	0%
Outside Storage and Equipment	731	7%	\$209,089	0%
Natural Vegetation	1,958	18%	\$42,855	0%
Outside Rubbish	1,635	15%	\$33,394	0%
Cultivated Vegetation	15	0%	\$850	0%
Grand Total	10,979	100%	\$70,597,594	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Confined Fires by Type	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Cooking Fire, Confined to Container	1,006	59%	\$159,724	65%
Fuel Burner/Boiler Malfunction, Fire Confined	29	2%	\$37,250	15%
Chimney or Flue Fire, Confined to Chimney or Flue	311	18%	\$34,880	14%
Trash or Rubbish Fire, Contained	356	21%	\$13,612	6%
Commercial Compact or Fire, Confined to Rubbish	10	1%	\$0	0%
Incinerator Overload or Malfunction, Fire Confined	7	0%	\$0	0%
Grand Total	1,719	100%	\$245,466	100%

These incidents are included in the fire counts listed above. Confined fires do not require area of origin or heat sources to be documented. Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Region 4

Fires by:

Property Use Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	4,259	39%	\$51,224,508	73%
Outside or Special Properties	4,099	37%	\$7,255,729	10%
Health Care, Detention, and Corrections	90	1%	\$3,780,850	5%
Mercantile and Business	425	4%	\$2,661,250	4%
Assembly	258	2%	\$2,020,191	3%
Storage	223	2%	\$1,655,918	2%
Other Property Use	379	3%	\$1,045,985	1%
Manufacturing and Processing	84	1%	\$422,959	1%
Undetermined	763	7%	\$120,981	0%
Educational	236	2%	\$77,091	0%
None	68	1%	\$55,880	0%
Industrial, Utility, Defense, Agriculture, Mining	78	1%	\$23,752	0%
Grand Total	10,962	100%	\$70,345,094	100%

Sorted by dollar loss. Property use not reported for 17 incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Area of Origin	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Common/Functional Areas	929	15%	\$20,973,211	30%
Structural Areas	386	6%	\$13,406,651	19%
Outside Areas	1,716	28%	\$1,754,731	3%
Storage Areas	272	4%	\$9,301,682	13%
Undetermined Areas	304	5%	\$8,993,029	13%
Vehicle Areas	2,029	33%	\$4,984,335	7%
Service or Equipment Areas	117	2%	\$4,203,852	6%
Assembly Areas (Groups of People)	116	2%	\$3,688,274	5%
Technical Processing Areas	20	0%	\$531,325	1%
Means of Egress	90	1%	\$1,468,484	2%
Other Areas	135	2%	\$445,497	1%
Grand Total	6,114	100%	\$69,751,071	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Heat Source Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Undetermined	1,926	32%	\$22,993,162	33%
Operating Equipment	1,992	33%	\$20,414,376	29%
Hot or Smoldering Object	673	11%	\$5,762,768	8%
Smoking Materials	511	8%	\$5,287,018	8%
Heat Source Other	162	3%	\$4,069,650	6%
Chemical or Natural	61	1%	\$3,662,723	5%
Candles	93	2%	\$2,429,182	3%
Matches and Lighters	336	5%	\$2,046,706	3%
Explosives and Fireworks	250	4%	\$1,577,136	2%
Flares, Fusees and Torches	39	1%	\$854,350	1%
Heat Spread from Another Fire	2	0%	\$441,700	1%
Multiple Heat Sources	43	1%	\$155,500	0%
Backfire from Engine	26	0%	\$56,800	0%
Grand Total	6,114	100%	\$69,751,071	100%

Sorted by dollar loss. Includes heat sources reported in the Fire Module. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

2005 Fire Deaths by County	# of Deaths	2005 Fire Death	Region	State	National*
King	13	Population	3,203,314	6,287,759	298,978,245
Pierce	8	Death Rate per Million	9.1	10.3	13.0
Snohomish	8				
Regional Total	29				

*Based on 2003 Fire Fatality Statistics by the United States Fire Administration.

Region 4 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
King	Auburn Fire Dept	7,588	1	120	7,709	\$1,031,687
	Bellevue Fire Dept	12,958	5	3,748	16,711	\$3,445,004
	Black Diamond Fire Dept	428	0	18	446	\$61,425
	Bothell Fire Dept	3,947	1	323	4,271	\$1,285,562
	Eastside Fire and Rescue	7,954	0	349	8,303	\$971,740
	Enumclaw Fire Dept/King #28	229	0	2	231	\$0
	Kent Fire Dept	13,813	2	479	14,294	\$315,865
	King #11, North Highline	4,661	0	214	4,875	\$631,300
	King #13, Vashon Island	1,378	0	1	1,379	\$3,200
	King #16, Northshore	2,842	1	546	3,389	\$961,050
	King #2, Burien	820	0	104	924	\$576,315
	King #20, Skyway	1,248	0	49	1,297	\$0
	King #26, Des Moines	479	0	78	557	\$289,200
	King #27, Fall City	0	0	0	0	\$0
	King #39, Federal Way	11,464	8	358	11,830	\$596,315
	King #4, Shoreline	8,383	0	289	8,672	\$1,451,604
	King #40, Renton	2,413	1	368	2,782	\$3,212,416
	King #43, Maple Valley	2,677	0	137	2,814	\$95,250
	King #44, Mountain View	120	0	19	139	\$0
	King #45, Duvall	807	3	125	935	\$3,443,800
	King #47, Kangley/Palmer	115	0	16	131	\$0
	King #50, Skykomish/Stevens Pass	308	0	3	311	\$36,400
	Kirkland Fire Dept	6,271	0	670	6,941	\$1,798,130
	Mercer Island Fire Dept	2,098	0	90	2,188	\$1,097,055
	Pacific Fire Dept	9	0	37	46	\$0
	Redmond Fire Dept	5,922	0	1,118	7,040	\$220,500
	Renton Fire Dept	8,940	2	258	9,200	\$1,623,925
	SeaTac Fire Dept	3,840	0	489	4,329	\$1,109,480
	Seattle Fire Dept	13,329	0	1	13,330	\$9,276,240
	Snoqualmie Fire Dept	473	0	193	666	\$1,325,850
	Snoqualmie Pass Fire Dept	73	0	13	86	\$0
	Tukwila Fire Dept	4,469	5	241	4,715	\$1,515,444
Woodinville Fire and LifeSafety	3,365	0	714	4,079	\$968,372	
King Total		133,420	29	11,169	144,618	\$37,343,129
Pierce	Buckley Fire Dept	554	0	71	625	\$2,000
	Carbonado Fire Dept	30	0	32	62	\$50,000
	Dupont Fire Dept	324	0	51	375	\$1,000
	Eatonville Fire Dept	307	0	138	445	\$0
	McNeil Island Fire Dept	820	0	4	824	\$500,010
	Milton Fire Dept	665	0	41	706	\$127,620
	Orting Fire Dept	591	0	210	801	\$7,809
	Pierce #1, Sumner	134	0	55	189	\$1,500
	Pierce #11, North Puyallup	133	0	2	135	\$49,100
	Pierce #13, Brown's Point	15	0	1	16	\$12,000
	Pierce #15, South Pierce	227	0	62	289	\$170,300
	Pierce #16, Key Peninsula	815	0	19	834	\$320,500
	Pierce #17, Roy/McKenna	0	0	0	0	\$0
	Pierce #18, Orting	562	0	221	783	\$11,501
Pierce #2, Lakewood	8,691	0	60	8,751	\$908,375	

Region 4 Incident Summary

County	FD Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Pierce	Pierce #21, Graham	3,585	0	384	3,969	\$1,373,123
	East Pierce Fire and Rescue/Pierce #12, 20, and 22	1,077	0	67	1,144	\$381,145
	Pierce #23, Elbe/Ashford	221	0	8	229	\$211,210
	Pierce #25, Crystal Mountain	0	0	0	0	\$0
	Pierce #26, Greenwater	2	0	4	6	\$0
	Pierce #27, Anderson Island	190	0	13	203	\$5,000
	Pierce #3, University Place	2,898	0	34	2,932	\$2,559,900
	Pierce #5, Gig Harbor	4,417	4	119	4,540	\$525,915
	Pierce #6, Central Pierce	14,276	2	303	14,581	\$2,496,925
	Pierce #8, Edgewood	654	0	73	727	\$200,250
	Puyallup Fire Dept	5,476	0	237	5,713	\$260,308
	Riverside Fire and Rescue	323	0	65	388	\$227,500
	Ruston Fire Department	33	0	3	36	\$0
	Steilacoom Fire Dept	432	0	19	451	\$180,115
	Sumner Fire Dept	2,120	0	195	2,315	\$161,925
	Tacoma Fire Dept	35,639	1	0	35,640	\$9,673,041
Pierce Total		85,211	7	2,491	87,709	\$20,418,072
Snohomish	Arlington Fire Dept	1,867	0	1,064	2,931	\$100,910
	Darrington Fire Dept	14	0	1	15	\$160,000
	Edmonds Fire Dept	4,455	1	532	4,988	\$5,131,990
	Everett Fire Dept	2,288	0	3	2,291	\$17,200
	Lynnwood Fire Dept	5,486	1	648	6,135	\$854,195
	Marysville Fire Dept	7,591	0	347	7,938	\$419,240
	Monroe/Snohomish #3, Monroe	2,891	0	472	3,363	\$697,702
	Mount Lake Terrace Fire Dept	0	0	0	0	\$0
	Mukilteo Fire Dept	1,660	0	82	1,742	\$10,610
	Snohomish #1	11,349	0	1,083	12,432	\$2,263,000
	Snohomish #10, Bothell	0	0	0	0	\$0
	Snohomish #14, Stanwood	754	0	219	973	\$22,950
	Snohomish #15, Tulalip Bay	371	0	9	380	\$0
	Snohomish #16, Lake Roesiger	0	0	0	0	\$0
	Snohomish #17, Granite Falls	1,412	0	129	1,541	\$304,650
	Snohomish #18, Bryant	0	0	1	1	\$0
	Snohomish #19, Silvana	353	0	73	426	\$0
	Snohomish #21, Arlington	0	0	0	0	\$0
	Snohomish #22, Getchell	289	0	370	659	\$0
	Snohomish #23, Robe Valley	4	0	0	4	\$0
	Snohomish #25, Oso	18	0	5	23	\$0
	Snohomish #26, Gold Bar	40	0	28	68	\$408,700
	Snohomish #27, Hat Island	0	0	0	0	\$0
	Snohomish #28, Index	120	0	16	136	\$0
	Snohomish #4, Snohomish	2	0	0	2	\$0
	Snohomish #5, Sultan/Startup	39	0	3	42	\$252,500
	Snohomish #7, Clearview	63	0	0	63	\$1,211,275
Snohomish #8, Lake Stevens	215	0	2	217	\$649,925	
Snohomish Co FireMarshal Office	28	0	224	252	\$922,500	
Snohomish/Skagit #24, Darrington	0	0	0	0	\$0	
Stanwood Fire Dept	1,018	0	128	1,146	\$2,000	
Snohomish Total		42,327	2	5,439	47,768	\$13,429,347
Grand Total		260,958	38	19,099	280,095	\$71,190,548

Region 5

Clark, Cowlitz, Lewis, Skamania, and Wahkiakum counties are part of Region 5. In 2005, 85% of the fire agencies reported NFIRS data to the Office of the State Fire Marshal.



Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Fire	2,021	5%	\$6,768,675	93%
Overpressure Rupture, Explosion, Overheat (No Fire)	72	0%	\$191,370	3%
Rescue and Emergency Medical Service	29,442	75%	\$98,900	1%
Service Calls	1,295	3%	\$82,800	1%
Severe Weather and Natural Disaster	19	0%	\$48,000	1%
Hazardous Condition	685	2%	\$34,352	0%
Unintentional False Fire Protection System Activation	827	2%	\$24,750	0%
Fire Protection System Malfunction	612	2%	\$19,100	0%
Good Intent	3,439	9%	\$1,000	0%
Other Types of Incidents	88	0%	\$0	0%
False Alarms and False Calls	818	2%	\$0	0%
Undetermined	4	0%	\$0	0%
Grand Total	39,322	100%	\$7,268,947	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Fire Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structure Fires (including confined fires)	605	30%	\$5,628,056	83%
Vehicles (Mobile Properties)	394	19%	\$861,400	13%
Outside Storage and Equipment	60	3%	\$174,930	3%
Natural Vegetation	339	17%	\$46,240	1%
Fixed Mobile Property	19	1%	\$25,040	0%
Fire Other	237	12%	\$21,736	0%
Outside Rubbish	364	18%	\$11,273	0%
Cultivated Vegetation	3	0%	\$0	0%
Grand Total	2,021	100%	\$6,768,675	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Confined Fires by Type	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Cooking Fire, Confined to Container	99	34%	\$25,925	67%
Chimney or Flue Fire, Confined to Chimney or Flue	139	48%	\$11,551	30%
Trash or Rubbish Fire, Contained	49	17%	\$920	2%
Fuel Burner/Boiler Malfunction, Fire Confined	3	1%	\$300	1%
Commercial Compact or Fire, Confined to Rubbish	0	0%	\$0	0%
Incinerator Overload or Malfunction, Fire Confined	1	0%	\$0	0%
Grand Total	291	100%	\$38,696	100%

These incidents are included in the fire counts listed above. Confined fires do not require area of origin or heat sources to be documented. Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Region 5

Fires by:

Property Use Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	840	42%	\$4,612,902	68%
Outside or Special Properties	769	38%	\$816,551	12%
Storage	62	3%	\$592,100	9%
Mercantile and Business	64	3%	\$221,210	3%
Manufacturing and Processing	30	1%	\$177,500	3%
Industrial, Utility, Defense, Agriculture, Mining	33	2%	\$130,000	2%
None	59	3%	\$71,400	1%
Other Property Use	63	3%	\$64,600	1%
Assembly	35	2%	\$29,550	0%
Educational	21	1%	\$25,700	0%
Undetermined	32	2%	\$25,012	0%
Health Care, Detention, and Corrections	13	1%	\$2,150	0%
Grand Total	2,021	100%	\$6,768,675	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Area of Origin	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Common/Functional Areas	125	11%	\$1,814,150	27%
Structural Areas	74	7%	\$1,013,850	15%
Outside Areas	338	30%	\$922,100	14%
Vehicle Areas	326	29%	\$820,150	12%
Storage Areas	59	5%	\$691,810	10%
Service or Equipment Areas	33	3%	\$465,000	7%
Assembly Areas (Groups of People)	15	1%	\$275,200	4%
Undetermined Areas	104	9%	\$240,150	4%
Means of Egress	8	1%	\$170,070	3%
Technical Processing Areas	6	1%	\$160,000	2%
Other Areas	44	4%	\$103,140	2%
Grand Total	1,132	100%	\$6,675,620	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Heat Source Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Undetermined	419	37%	\$2,909,110	44%
Operating Equipment	260	23%	\$2,158,460	32%
Smoking Materials	61	5%	\$439,750	7%
Hot or Smoldering Object	152	13%	\$283,480	4%
Explosives and Fireworks	37	3%	\$241,070	4%
Heat Source Other	91	8%	\$220,100	3%
Candles	16	1%	\$159,440	2%
Multiple Heat Sources	3	0%	\$98,300	1%
Matches and Lighters	53	5%	\$91,110	1%
Chemical or Natural	14	1%	\$52,800	1%
Heat Spread from Another Fire	1	0%	\$10,000	0%
Flares, Fusees and Torches	18	2%	\$6,000	0%
Backfire from Engine	7	1%	\$6,000	0%
Grand Total	1,132	100%	\$6,675,620	100%

Sorted by dollar loss. Includes heat sources reported in the Fire Module. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

2005 Fire Deaths by County	# of Deaths
Clark	1
Cowlitz	5
Lewis	1
Skamania	0
Wahkiakum	0
Regional Total	7

2005 Fire Death	Region	State	National*
Population	494,857	6,287,759	298,978,245
Death Rate per Million	14.3	10.3	13.0

*Based on 2003 Fire Fatality Statistics by the United States Fire Administration.

Region 5 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Clark	Camas Fire Dept	747	0	94	841	\$64,000
	Clark #1, Washougal	207	0	186	393	\$0
	Clark #10, Amboy	70	0	4	74	\$0
	Clark #11, Battle Ground	1,042	0	11	1,053	\$614,500
	Clark #12, Ridgefield	1,060	0	98	1,158	\$21,767
	Clark #13, Yacolt	115	0	16	131	\$0
	Clark #3, Brush Prairie	1,084	0	86	1,170	\$391,525
	Clark #6, Hazel Dell	4,654	0	111	4,765	\$250,190
	Clark #9, Fern Prairie	454	0	21	475	\$0
	Vancouver Fire Dept	13,288	8	53	13,349	\$1,971,400
Washougal Fire Dept	0	0	0	0	\$0	
Clark Total		22,721	8	680	23,409	\$3,313,382
Cowlitz	Cowlitz #1, Woodland	260	0	12	272	\$576,000
	Cowlitz #2, Kelso	3,495	2	50	3,547	\$402,970
	Cowlitz #3, Toutle	208	0	34	242	\$161,100
	Cowlitz #4, Ryderwood	80	0	0	80	\$0
	Cowlitz #5, Kalama	535	0	148	683	\$460,500
	Cowlitz #6, Castle Rock	351	0	37	388	\$639,575
	Cowlitz/Skamania #7,Ariel	27	0	3	30	\$78,000
	Longview Fire Dept	4,992	0	33	5,025	\$633,600
Woodland Fire Dept/Clark #2, Woodland	843	0	51	894	\$199,650	
Cowlitz Total		10,791	2	368	11,161	\$3,151,395
Lewis	Centralia Fire Dept	2,226	0	49	2,275	\$187,200
	Chehalis Fire Dept	147	0	0	147	\$121,170
	Lewis #1, Onalaska	8	0	6	14	\$0
	Lewis #10, Packwood	11	0	0	11	\$0
	Lewis #11, Pe Ell	11	0	0	11	\$0
	Lewis #12, Centralia	826	0	50	876	\$51,650
	Lewis #13, Curtis	0	0	1	1	\$0
	Lewis #14, Randle	202	0	7	209	\$200
	Lewis #15, Winlock	701	0	85	786	\$180,000
	Lewis #16, Doty/Dryad/Meskill	0	0	0	0	\$0
	Lewis #17, Big Creek	0	0	6	6	\$0
	Lewis #18, Glenoma	0	0	0	0	\$0
	Lewis #2, Toledo	615	0	31	646	\$121,350
	Lewis #3, Mossyrock	168	0	5	173	\$35,000
	Lewis #4, Morton	117	0	187	304	\$47,000
	Lewis #5, Napavine	9	0	8	17	\$0
	Lewis #6, Chehalis	287	0	12	299	\$0
	Lewis #7, Vadar	97	0	9	106	\$0
	Lewis #8, Salkum	3	0	5	8	\$0
	Lewis #9, Mineral	2	0	1	3	\$0
Morton Fire Dept	178	0	0	178	\$4,000	
Pe Ell Fire Dept	0	0	0	0	\$0	
Lewis Total		5,608	0	462	6,070	\$747,570
Skamania	Mill-A Volunteers Fire Dept	11	0	1	12	\$11,000
	North Bonneville Fire Dept	15	0	8	23	\$5,100
	Skamania #1,Carson	0	0	0	0	\$0
	Skamania #3, Underwood	6	0	1	7	\$7,500
	Skamania #4, Washougal	59	0	7	66	\$0
	Skamania #5, Skamania	30	0	4	34	\$0
	Skamania #6, Cougar	0	0	0	0	\$0
	Stevenson Fire Dept/Skamania #2	39	0	8	47	\$31,000
Skamania Total		160	0	29	189	\$54,600
Wahkiakum	Cathlamet Fire Dept	5	0	1	6	\$0
	Wahkiakum #1, Cathlamet	0	0	0	0	\$0
	Wahkiakum #2, Skamokawa	8	0	1	9	\$0
	Wahkiakum #3, Grays River	0	0	0	0	\$0
	Wahkiakum #4, Walla Walla	29	0	21	50	\$2,000
Wahkiakum Total		42	0	23	65	\$2,000
Grand Total		39,322	10	1,562	40,894	\$7,268,947

Region 6

Chelan, Douglas, Grant, and Okanogan counties are part of Region 6. In 2005, 61% of the fire agencies submitted NFIRS data to the Office of the State Fire Marshal.



Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Fire	1,141	17%	\$3,420,501	96%
Rescue and Emergency Medical Service	3,358	51%	\$149,500	4%
Hazardous Condition	237	4%	\$1,500	0%
Unintentional False Fire Protection System Activation	201	3%	\$1,000	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	44	1%	\$200	0%
Good Intent	874	13%	\$100	0%
False Alarms and False Calls	200	3%	\$0	0%
Fire Protection System Malfunction	215	3%	\$0	0%
Other Types of Incidents	29	0%	\$0	0%
Service Calls	233	4%	\$0	0%
Severe Weather and Natural Disaster	3	0%	\$0	0%
Grand Total	6,535	100%	\$3,572,801	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Fire Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structure Fires (including confined fires)	261	23%	\$2,832,401	83%
Fire Other	128	11%	\$248,900	7%
Vehicles (Mobile Properties)	159	14%	\$186,300	5%
Fixed Mobile Property	13	1%	\$101,600	3%
Outside Storage and Equipment	54	5%	\$22,000	1%
Outside Rubbish	129	11%	\$18,200	1%
Natural Vegetation	376	33%	\$8,900	0%
Cultivated Vegetation	21	2%	\$2,200	0%
Grand Total	1,141	100%	\$3,420,501	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Confined Fires by Type	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Cooking Fire, Confined to Container	35	33%	\$1,100	81%
Trash or Rubbish Fire, Contained	19	18%	\$150	11%
Chimney or Flue Fire, Confined to Chimney or Flue	50	47%	\$100	7%
Fuel Burner/Boiler Malfunction, Fire Confined	1	1%	\$0	0%
Incinerator Overload or Malfunction, Fire Confined	1	1%	\$0	0%
Grand Total	106	100%	\$1,350	100%

These incidents are included in the fire counts listed above. Confined fires do not require area of origin or heat sources to be documented. Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Region 6

Fires by:

Property Use Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	305	27%	\$1,998,851	58%
Storage	51	5%	\$1,038,900	30%
Mercantile and Business	30	3%	\$187,100	5%
Outside or Special Properties	605	53%	\$102,850	3%
Industrial, Utility, Defense, Agriculture, Mining	49	4%	\$72,500	2%
Assembly	19	2%	\$13,100	0%
Educational	7	1%	\$6,000	0%
Undetermined	13	1%	\$1,000	0%
Manufacturing and Processing	26	2%	\$200	0%
None	11	1%	\$0	0%
Other Property Use	12	1%	\$0	0%
Health Care, Detention, and Corrections	4	0%	\$0	0%
Grand Total	1,132	100%	\$3,420,501	100%

Sorted by dollar loss. Property use not reported for 9 incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Area of Origin	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Undetermined Areas	86	16%	\$1,101,001	35%
Storage Areas	30	6%	\$707,000	22%
Common/Functional Areas	47	9%	\$604,100	19%
Structural Areas	39	7%	\$295,250	9%
Assembly Areas (Groups of People)	8	1%	\$141,000	4%
Means of Egress	7	1%	\$140,800	4%
Vehicle Areas	131	24%	\$104,800	3%
Outside Areas	167	31%	\$45,900	1%
Service or Equipment Areas	12	2%	\$3,100	0%
Other Areas	11	2%	\$500	0%
Grand Total	538	100%	\$3,143,451	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Heat Source Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Undetermined	229	43%	\$2,196,601	70%
Operating Equipment	121	22%	\$796,400	25%
Hot or Smoldering Object	66	12%	\$51,300	2%
Matches and Lighters	16	3%	\$30,500	1%
Candles	6	1%	\$20,000	1%
Smoking Materials	26	5%	\$15,000	0%
Multiple Heat Sources	2	0%	\$15,000	0%
Backfire from Engine	4	1%	\$13,100	0%
Explosives and Fireworks	20	4%	\$4,050	0%
Heat Source Other	24	4%	\$1,000	0%
Heat Spread from Another Fire	0	0%	\$500	0%
Chemical or Natural	22	4%	\$0	0%
Flares, Fusees and Torches	2	0%	\$0	0%
Grand Total	538	100%	\$3,143,451	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%. Includes heat sources reported in the Fire Module.

2005 Fire Deaths by County	# of Deaths
Chelan	0
Douglas	0
Grant	0
Okanogan	1
Regional Total	1

2005 Fire Death	Region	State	National*
Population	225,779	6,287,759	298,978,245
Death Rate per Million	4.5	10.3	13.0

*Based on 2003 Fire Fatality Statistics by the United State Fire Administration.

Region 6 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Chelan	Cashmere Fire Dept	75	0	24	99	\$1,000
	Chelan #1, Sunnyslope	490	2	89	581	\$212,000
	Chelan #3, Leavenworth	86	3	473	562	\$0
	Chelan #4, Ponderosa	6	0	2	8	\$500
	Chelan #5, Manson	52	0	31	83	\$25,000
	Chelan #6, Monitor/Dryden	197	0	1	198	\$113,500
	Chelan #7, Chelan/Chelan Falls	183	0	31	214	\$0
	Chelan #8, Entiat	0	0	0	0	\$0
	Chelan #9, Lake Wenatchee/Plain	0	0	0	0	\$0
	Wenatchee Fire Dept	1,666	1	142	1,809	\$832,701
Chelan Total		2,755	6	793	3,554	\$1,184,701
Douglas	Bridgeport Fire Dept	17	0	2	19	\$246,400
	Douglas #1, Waterville	29	0	10	39	\$0
	Douglas #2, East Wenatchee	1,003	1	71	1,075	\$139,900
	Douglas #3, Grand Coulee	14	0	12	26	\$0
	Douglas #4, Orondo	0	0	0	0	\$0
	Douglas #5, Mansfield	12	0	5	17	\$0
Douglas Total		1,075	1	100	1,176	\$386,300
Grant	Coulee City Fire Dept/Douglas #8	16	0	6	22	\$0
	Electric City Fire Dept	11	0	10	21	\$0
	Ephrata Fire Dept	355	0	37	392	\$0
	Grand Coulee Fire Dept	0	0	0	0	\$0
	Grant #10, Royal Slope	55	0	14	69	\$123,500
	Grant #11, East Royal Slope	0	0	0	0	\$0
	Grant #12, Wilson Creek	12	0	1	13	\$0
	Grant #13, Ephrata	84	0	32	116	\$0
	Grant #14, Electric City	0	0	0	0	\$0
	Grant #15, Mose Lake	0	0	0	0	\$0
	Grant #3, Quincy	328	0	12	340	\$0
	Grant #4, Warden	51	0	5	56	\$0
	Grant #5, Moses Lake	0	0	0	0	\$0
	Grant #6, Hartline	7	0	2	9	\$0
	Grant #7, Soap Lake	231	0	34	265	\$60,000
	Grant #8, Mattawa	313	0	29	342	\$0
	Hartline Fire Dept	0	0	0	0	\$0
	Krupp/Marlin Fire Dept	0	0	0	0	\$0
	Moses Lake Fire Dept	309	0	1	310	\$65,000
	Quincy Fire Dept	92	0	0	92	\$0
Soap Lake Fire Dept	0	0	0	0	\$0	
Grant Total		1,864	0	183	2,047	\$248,500

Region 6 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Okanogan	Brewster Fire Department	0	0	0	0	\$0
	Conconully Fire Dept	0	0	0	0	\$0
	Coulee Dam Fire Dept	0	0	0	0	\$0
	Douglas/Okanogan #15	58	0	10	68	\$191,500
	Nespelem Fire Dept	0	0	0	0	\$0
	Okanogan #10, Loomis	0	0	0	0	\$0
	Okanogan #11, Molson/Chesaw	0	0	0	0	\$0
	Okanogan #12, Tonasket	2	0	0	2	\$30,000
	Okanogan #2, Elmer City	1	0	0	1	\$0
	Okanogan #3, Malott	330	0	99	429	\$1,144,900
	Okanogan #4, Tonasket	66	0	53	119	\$0
	Okanogan #5, Brewster/Pateros	32	0	8	0	\$0
	Okanogan #6, Carlton/Twisp	89	0	87	176	\$0
	Okanogan #7, Riverside	0	0	0	0	\$0
	Okanogan #8, Okanogan	0	0	0	0	\$0
	Okanogan #9, Rural Conconully	0	0	0	0	\$0
	Okanogan Fire Dept	42	0	50	92	\$35,000
	Omak Fire Dept	155	0	20	175	\$188,300
	Oroville Fire Dept/Okanogan #1, Oroville	66	0	5	71	\$163,600
	Pateros Fire Dept	0	0	0	0	\$0
	Twisp Fire Dept	0	0	0	0	\$0
Winthrop Fire Dept	0	0	0	0	\$0	
Okanogan Total		841	0	332	1,133	\$1,753,300
Grand Total		6,535	7	1,408	7,910	\$3,572,801

Region 7

Kittitas, Klickitat, and Yakima counties are part of Region 7. In 2005, 80% of the fire agencies reported NFIRS data to the Office of the State Fire Marshal.



Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Fire	1,902	9%	\$17,089,890	95%
Service Calls	1,016	5%	\$615,000	3%
Rescue and Emergency Medical Service	14,830	68%	\$219,600	1%
Hazardous Condition	538	2%	\$80,405	0%
Unintentional False Fire Protection System Activation	579	3%	\$5,500	0%
Other Types of Incidents	83	0%	\$2,000	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	38	0%	\$990	0%
Fire Protection System Malfunction	295	1%	\$700	0%
Good Intent	2,117	10%	\$350	0%
False Alarms and False Calls	412	2%	\$0	0%
Severe Weather and Natural Disaster	3	0%	\$0	0%
Grand Total	21,813	100%	\$18,014,435	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Fire Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structure Fires (including confined fires)	573	30%	\$14,283,466	84%
Vehicles (Mobile Properties)	398	21%	\$1,510,773	9%
Outside Storage and Equipment	56	3%	\$699,381	4%
Fixed Mobile Property	20	1%	\$195,200	1%
Fire Other	98	5%	\$161,470	1%
Natural Vegetation	551	29%	\$148,830	1%
Cultivated Vegetation	16	1%	\$60,630	0%
Outside Rubbish	190	10%	\$30,140	0%
Grand Total	1,902	100%	\$17,089,890	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Confined Fires

Confined Fires by Type	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Cooking Fire, Confined to Container	92	40%	\$27,230	49%
Fuel Burner/Boiler Malfunction, Fire Confined	16	7%	\$15,730	28%
Chimney or Flue Fire, Confined to Chimney or Flue	66	29%	\$11,125	20%
Trash or Rubbish Fire, Contained	53	23%	\$1,356	2%
Incinerator Overload or Malfunction, Fire Confined	4	2%	\$200	0%
Grand Total	231	100%	\$55,641	100%

These incidents are included in the fire counts listed above. Confined fires do not require area of origin or heat sources to be documented. Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Region 7

Fires by:

Property Use Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	613	32%	\$7,951,440	47%
Manufacturing and Processing	22	1%	\$4,256,350	25%
Outside or Special Properties	965	51%	\$1,544,599	9%
Storage	87	5%	\$1,533,495	9%
Mercantile and Business	47	2%	\$1,465,250	9%
Industrial, Utility, Defense, Agriculture, Mining	76	4%	\$270,650	2%
None	15	1%	\$35,200	0%
Other Property Use	22	1%	\$19,950	0%
Assembly	25	1%	\$8,341	0%
Educational	21	1%	\$3,465	0%
Health Care, Detention, and Corrections	3	0%	\$1,000	0%
Undetermined	6	0%	\$150	0%
Grand Total	1,902	100%	\$17,089,890	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Area of Origin	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structural Areas	99	7%	\$4,248,380	25%
Vehicle Areas	315	23%	\$2,949,100	18%
Common/Functional Areas	157	12%	\$2,225,390	13%
Storage Areas	58	4%	\$1,951,656	12%
Undetermined Areas	180	13%	\$1,917,623	11%
Outside Areas	407	30%	\$1,880,970	11%
Service or Equipment Areas	45	3%	\$775,500	5%
Assembly Areas (Groups of People)	32	2%	\$646,580	4%
Other Areas	46	3%	\$145,396	1%
Means of Egress	7	1%	\$97,500	1%
Grand Total	1,346	100%	\$16,838,095	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Heat Source Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Undetermined	607	45%	\$8,042,454	48%
Operating Equipment	342	25%	\$4,922,990	29%
Matches and Lighters	78	6%	\$1,415,811	8%
Explosives and Fireworks	29	2%	\$612,345	4%
Hot or Smoldering Object	103	8%	\$423,670	3%
Candles	14	1%	\$368,620	2%
Heat Source Other	72	5%	\$328,555	2%
Smoking Materials	40	3%	\$323,350	2%
Flares, Fusees and Torches	37	3%	\$161,450	1%
Heat Spread from Another Fire	0	0%	\$107,800	1%
Multiple Heat Sources	5	0%	\$85,500	1%
Chemical or Natural	11	1%	\$33,900	0%
Backfire from Engine	8	1%	\$11,650	0%
Grand Total	1,346	100%	\$16,838,095	100%

Sorted by dollar loss. Includes heat sources reported in the Fire Module. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

2005 Fire Deaths by County	# of Deaths
Kittitas	0
Klickitat	0
Yakima	4
Regional Total	4

2005 Fire Death	Region	State	National*
Population	288,266	6,287,759	298,978,245
Death Rate per Million	14.3	10.3	13.0

*Based on 2003 Fire Fatality Statistics by the United States Fire Administration.

Region 7 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Kittitas	Cle Elum Fire Dept	0	0	0	0	\$0
	Ellensburg Fire Dept	2,178	0	27	2,205	\$903,450
	Kittitas #1, Thorp	111	0	3	114	\$164,750
	Kittitas #2, Ellensburg	304	0	51	355	\$150,000
	Kittitas #3, Easton	10	0	0	10	\$34,500
	Kittitas #4, Vantage	0	0	0	0	\$0
	Kittitas #6, Lake Cle Elum	14	0	5	19	\$0
	Kittitas #7, Rural Cle Elum	369	0	35	404	\$236,600
	Kittitas #8, Lake Kachess	76	0	0	76	\$0
	Kittitas Fire Dept	1	0	0	1	\$0
	Roslyn Fire Dept	7	0	2	9	\$100
South Cle Elum Fire Dept	0	0	0	0	\$0	
Kittitas Total		3,070	0	123	3,193	\$1,489,400
Klickitat	Bingen Fire Dept	17	0	9	26	\$22,000
	Goldendale Fire Dept	28	0	4	32	\$6,520
	Klickitat #1, Trout Lake	0	0	0	0	\$0
	Klickitat #10, Alderdale	0	0	0	0	\$0
	Klickitat #11, Wishram	4	1	0	5	\$0
	Klickitat #12, Klickitat	6	0	0	6	\$0
	Klickitat #13, Appleton	2	1	2	5	\$7,500
	Klickitat #14, High Prairie	11	0	71	82	\$130,000
	Klickitat #15	0	0	0	0	\$0
	Klickitat #2, Bickleton	3	0	3	6	\$5,000
	Klickitat #3, White Salmon	8	0	15	23	\$0
	Klickitat #4, Lyle	107	0	27	134	\$261,525
	Klickitat #5, Centerville	9	0	20	29	\$222,950
	Klickitat #6, Dallesport	5	0	1	6	\$28,500
	Klickitat #7, Goldendale	46	0	6	52	\$414,700
	Klickitat #8, Glenwood	0	0	0	0	\$0
Klickitat #9, Roosevelt	3	0	1	4	\$0	
White Salmon Fire Dept	29	0	22	51	\$0	
Klickitat Total		278	2	181	461	\$1,098,695
Yakima	Grandview Fire Dept	474	0	3	477	\$26,700
	Granger Fire Dept	162	0	0	162	\$96,850
	Mabton Fire Dept	83	0	1	84	\$1,800
	Sunnyside Fire Dept	1,649	5	149	1,803	\$1,822,805
	Tieton Fire Department	28	0	17	45	\$0
	Toppenish Fire Dept	733	2	145	880	\$251,950
	Union Gap Fire Dept/Yakima #11	920	0	62	982	\$1,610,690
	Wapato Fire Dept	588	0	3	591	\$683,691
	Yakima #1, Cowiche	0	0	0	0	\$0
	Yakima #12, West Valley	721	0	106	827	\$576,700
	Yakima #14, Nile/Cliffdell	0	0	0	0	\$0
	Yakima #2, Selah	1,024	0	50	1,074	\$665,050
	Yakima #3, Naches	44	0	21	65	\$0
	Yakima #4, Moxee	635	0	44	679	\$252,640
	Yakima #5, Zillah	2,369	0	28	2,397	\$1,827,348
	Yakima #6, Glead	42	0	33	75	\$125,700
	Yakima #7, Glade	0	0	0	0	\$0
	Yakima #9, Naches Heights	23	0	3	26	\$129,000
Yakima Fire Dept	8,772	7	129	8,908	\$6,713,266	
Zillah Fire Dept	198	0	4	202	\$642,150	
Yakima Total		18,465	14	798	19,277	\$15,426,340
Grand Total		21,813	16	1,102	22,931	\$18,014,435

Region 8

Adams, Asotin, Benton, Columbia, Garfield, Franklin, Walla Walla, and Whitman counties are part of Region 8. In 2005, 59% of the fire agencies reported NFIRS data to the Office of the State Fire Marshal.



Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Fire	1,612	8%	\$8,405,659	93%
Rescue and Emergency Medical Service	12,710	64%	\$546,570	6%
Fire Protection System Malfunction	850	4%	\$70,000	1%
Service Calls	822	4%	\$11,185	0%
Unintentional False Fire Protection System Activation	1,059	5%	\$5,000	0%
Hazardous Condition	591	3%	\$4,203	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	36	0%	\$300	0%
False Alarms and False Calls	370	2%	\$0	0%
Good Intent	1,831	9%	\$0	0%
Other Types of Incidents	76	0%	\$0	0%
Severe Weather and Natural Disaster	12	0%	\$0	0%
Grand Total	19,969	100%	\$9,042,917	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Fire Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structure Fires (including confined fires)	516	32%	\$7,153,468	85%
Vehicles (Mobile Properties)	254	16%	\$846,085	10%
Fire Other	84	5%	\$145,950	2%
Cultivated Vegetation	57	4%	\$145,425	2%
Fixed Mobile Property	25	2%	\$56,575	1%
Natural Vegetation	439	27%	\$31,666	0%
Outside Storage and Equipment	59	4%	\$22,020	0%
Outside Rubbish	178	11%	\$4,470	0%
Grand Total	1,612	100%	\$8,405,659	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Confined Fires by Type	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Trash or Rubbish Fire, Contained	62	30%	\$30,920	78%
Cooking Fire, Confined to Container	108	51%	\$8,314	21%
Chimney or Flue Fire, Confined to Chimney or Flue	30	14%	\$500	1%
Fuel Burner/Boiler Malfunction, Fire Confined	8	4%	\$0	0%
Incinerator Overload or Malfunction, Fire Confined	2	1%	\$0	0%
Commercial Compact or Fire, Confined to Rubbish	0	0%	\$0	0%
Grand Total	210	100%	\$39,734	100%

These incidents are included in the fire counts listed above. Confined fires do not require area of origin or heat sources to be documented. Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Region 8

Fires by:

Property Use Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	591	37%	\$6,319,458	75%
Storage	51	3%	\$872,850	10%
Manufacturing and Processing	7	0%	\$390,250	5%
Outside or Special Properties	752	47%	\$371,946	4%
Mercantile and Business	58	4%	\$231,050	3%
Industrial, Utility, Defense, Agriculture, Mining	78	5%	\$190,500	2%
Assembly	27	2%	\$12,105	0%
None	9	1%	\$9,750	0%
Other Property Use	10	1%	\$4,250	0%
Health Care, Detention, and Corrections	8	0%	\$3,000	0%
Educational	13	1%	\$500	0%
Undetermined	8	0%	\$0	0%
Grand Total	1,612	100%	\$8,405,659	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Area of Origin	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Common/Functional Areas	133	17%	\$1,945,681	24%
Outside Areas	175	23%	\$1,850,570	23%
Structural Areas	64	8%	\$1,088,503	13%
Storage Areas	56	7%	\$977,650	12%
Undetermined Areas	50	6%	\$928,525	11%
Vehicle Areas	231	30%	\$844,835	10%
Service or Equipment Areas	21	3%	\$260,000	3%
Assembly Areas (Groups of People)	24	3%	\$208,050	3%
Technical Processing Areas	5	1%	\$20,250	0%
Means of Egress	7	1%	\$13,000	0%
Other Areas	11	1%	\$5,300	0%
Grand Total	777	100%	\$8,142,364	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Heat Source Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Operating Equipment	296	38%	\$2,621,486	32%
Undetermined	224	29%	\$2,564,103	31%
Smoking Materials	32	4%	\$1,438,150	18%
Candles	23	3%	\$614,750	8%
Heat Spread from Another Fire	0	0%	\$285,000	4%
Hot or Smoldering Object	77	10%	\$275,775	3%
Explosives and Fireworks	8	1%	\$144,000	2%
Heat Source Other	47	6%	\$123,520	2%
Multiple Heat Sources	5	1%	\$40,000	0%
Chemical or Natural	10	1%	\$26,150	0%
Flares, Fusees and Torches	14	2%	\$4,700	0%
Matches and Lighters	36	5%	\$4,230	0%
Backfire from Engine	5	1%	\$500	0%
Grand Total	777	100%	\$8,142,364	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%. Includes heat sources reported in the Fire Module.

2005 Fire Deaths by County	# of Deaths
Adams	1
Asotin	0
Benton	1
Franklin	1
Garfield	0
Walla Walla	2
Whitman	0
Regional Total	5

2005 Fire Death	Region	State	National*
Population	363,143	6,287,759	298,978,245
Death Rate per Million	13.9	10.3	13.0

*Based on 2003 Fire Fatality Statistics by the United States Fire Administration.

Region 8 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Adams	Adams #1, Ritzville	0	0	0	0	\$0
	Adams #2, Lind	0	0	0	0	\$0
	Adams #4, Lamont/Ritzville	0	0	0	0	\$0
	Adams #5, Othello	179	0	2	181	\$0
	Adams #6, Benge	0	0	0	0	\$0
	Adams #7, Washtucna	0	0	0	0	\$0
	Lind Fire Dept	0	0	0	0	\$0
	Othello Fire Dept	104	0	0	104	\$0
	Ritzville Fire Dept	0	0	0	0	\$0
Adams Total		283	0	2	285	\$0
Asotin	Asotin #1, Clarkston	200	0	31	231	\$0
	Asotin Fire Dept	11	0	21	32	\$0
	Clarkston Fire Dept	187	0	7	194	\$55,434
Asotin Total		398	0	59	457	\$55,434
Benton	Benton #1 Kennewick	984	3	148	1,135	\$395,500
	Benton #2, Benton City	526	0	66	592	\$143,700
	Benton #3, Prosser	192	0	8	200	\$67,000
	Benton #4, West Richland	539	0	62	601	\$966,770
	Benton #5, Horse Haven	0	0	0	0	\$0
	Benton #6, Plymouth/Paterson	23	0	2	25	\$0
	Hanford Fire Dept	540	0	18	558	\$0
	Kennewick Fire Dept	6,028	13	290	6,331	\$3,081,610
	Prosser Fire Dept	70	1	4	75	\$80,000
	Richland Fire Dept	3,957	2	95	4,054	\$99,100
Benton Total		12,859	19	693	13,571	\$4,833,680
Columbia	Columbia #1, Starbuck	18	0	5	23	\$750
	Columbia #3, Dayton	444	2	10	456	\$164,500
	Columbia Total		462	2	15	479
Franklin	Connell Fire Depart	13	0	0	13	\$1,450
	Franklin #1, Connell/City of Mesa	22	0	1	23	\$10,500
	Franklin #2, Kahlotus	0	0	0	0	\$0
	Franklin #3, Pasco	230	0	17	247	\$991,250
	Franklin #4, Basin City	0	0	0	0	\$0
	Pasco Fire Dept	520	9	17	546	\$1,142,875
Franklin Total		785	9	35	829	\$2,146,075

Region 8 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Garfield	Garfield #1, Pomeroy	32	0	1	33	\$5,000
	Garfield Total	32	0	1	33	\$5,000
Walla Walla	College Place Fire Dept	853	0	18	871	\$10,850
	Prescott Fire Dept	0	0	0	0	\$0
	Waitsburg Fire Dept	0	0	0	0	\$0
	Walla Walla #1, Clyde	0	0	0	0	\$0
	Walla Walla #3, Eureka	0	0	0	0	\$0
	Walla Walla #4, Walla Walla	499	0	46	545	\$288,250
	Walla Walla #5, Burbank	0	0	0	0	\$0
	Walla Walla #6, Touchet	0	0	0	0	\$0
	Walla Walla #7, Prescott	0	0	0	0	\$0
	Walla Walla #8, Dixie	0	0	0	0	\$0
	Walla Walla Fire Dept	1,539	5	28	1,572	\$769,765
	Walla Walla/Columbia #2, Waitsburg	0	0	0	0	\$0
Walla Walla Total	2,891	5	92	2,988	\$1,068,865	
Whitman	Albion Fire Dept	22	0	1	23	\$0
	Colfax Fire Department	169	0	1	170	\$4,873
	Colton Fire Depart	0	0	5	5	\$0
	Garfield Fire Dept	0	0	0	0	\$0
	LaCrosse Fire Dept	0	0	0	0	\$0
	Malden Fire Dept	13	0	0	13	\$0
	Pullman Fire Dept	1,671	0	165	1,836	\$115,185
	Rosalia Fire Dept	1	0	0	1	\$0
	Tekoa Fire Depart	0	0	0	0	\$0
	Uniontown Fire Dept	0	0	0	0	\$0
	Washington State University	164	0	44	208	\$55
	Whitman # 6, Endicott	36	0	1	37	\$3,200
	Whitman #1, Tekoa	0	0	0	0	\$0
	Whitman #10, Oaksdale/Farmington	92	0	0	92	\$145,300
	Whitman #11, Albion/Colfax	0	0	0	0	\$0
	Whitman #12, Pullman	0	0	0	0	\$0
	Whitman #13, Wilcox	0	0	0	0	\$0
	Whitman #14, Colton/Uniontown	19	0	17	36	\$500,000
	Whitman #2/City of St. John	16	0	0	16	\$0
	Whitman #4/City of Palouse	27	0	8	35	\$0
	Whitman #5, Lamont	25	0	0	25	\$0
	Whitman #7, Rosalia	3	0	9	12	\$0
Whitman #8, LaCrosse/Hooper	1	0	0	1	\$0	
Whitman Total	2,259	0	251	2,510	\$768,613	
Grand Total	19,969	35	1,148	21,152	\$9,042,917	

Region 9

Ferry, Lincoln, Pend Oreille, Spokane, and Stevens counties are part of Region 9. In 2005, 71% of the fire agencies reported NFIRS data to the Office of the State Fire Marshal.



Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Fire	2,235	5%	\$16,704,555	95%
Rescue and Emergency Medical Service	27,804	65%	\$355,119	2%
Unintentional False Fire Protection System Activation	1,042	2%	\$160,000	1%
Hazardous Condition	1,286	3%	\$130,635	1%
Service Calls	2,985	7%	\$92,050	1%
Severe Weather and Natural Disaster	19	0%	\$50,000	0%
Good Intent	3,370	8%	\$30,050	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	104	0%	\$25,150	0%
Other Types of Incidents	2,448	6%	\$10,000	0%
False Alarms and False Calls	688	2%	\$0	0%
Fire Protection System Malfunction	799	2%	\$0	0%
Grand Total	42,780	100%	\$17,557,559	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Fire Incident Type Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Structure Fires (including confined fires)	670	30%	\$13,461,604	81%
Natural Vegetation	600	27%	\$932,951	6%
Vehicles (Mobile Properties)	386	17%	\$797,250	5%
Fixed Mobile Property	29	1%	\$625,350	4%
Outside Storage and Equipment	103	5%	\$577,760	3%
Cultivated Vegetation	34	2%	\$297,000	2%
Fire Other	123	6%	\$10,230	0%
Outside Rubbish	290	13%	\$2,410	0%
Grand Total	2,235	100%	\$16,704,555	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Confined Fires

Confined Fires by Type	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Incinerator Overload or Malfunction, Fire Confined	1	0%	\$3,500	36%
Cooking Fire, Confined to Container	76	37%	\$3,100	32%
Chimney or Flue Fire, Confined to Chimney or Flue	81	40%	\$1,700	18%
Trash or Rubbish Fire, Contained	40	20%	\$1,400	14%
Fuel Burner/Boiler Malfunction, Fire Confined	7	3%	\$10	0%
Grand Total	205	100%	\$9,710	100%

These incidents are included in the fire counts listed above. Confined fires do not require area of origin or heat sources to be documented. Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Region 9

Fires by:

Property Use Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Residential	829	37%	\$10,292,629	62%
Mercantile and Business	72	3%	\$1,852,000	11%
Assembly	38	2%	\$1,284,520	8%
Storage	76	3%	\$1,190,740	7%
Industrial, Utility, Defense, Agriculture, Mining	102	5%	\$1,119,250	7%
Outside or Special Properties	939	42%	\$534,950	3%
None	19	1%	\$132,640	1%
Manufacturing and Processing	20	1%	\$114,600	1%
Undetermined	40	2%	\$63,101	0%
Educational	27	1%	\$56,525	0%
Other Property Use	47	2%	\$38,950	0%
Health Care, Detention, and Corrections	18	1%	\$24,650	0%
Grand Total	2,227	100%	\$16,704,555	100%

Sorted by dollar loss. Property use not reported for 8 incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Area of Origin	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Common/Functional Areas	138	9%	\$5,346,325	35%
Storage Areas	84	6%	\$2,645,950	17%
Outside Areas	490	33%	\$1,736,401	11%
Undetermined Areas	133	9%	\$1,702,000	11%
Structural Areas	127	9%	\$1,665,000	11%
Service or Equipment Areas	60	4%	\$791,330	5%
Vehicle Areas	346	23%	\$641,850	4%
Assembly Areas (Groups of People)	37	3%	\$572,999	4%
Means of Egress	22	1%	\$200,100	1%
Other Areas	37	3%	\$51,920	0%
Technical Processing Areas	4	0%	\$0	0%
Grand Total	1,478	100%	\$15,353,875	100%

Sorted by dollar loss. Excludes aid given incidents. Percents rounded to the nearest whole number and some categories represent less than 1%.

Heat Source Category	Total Number of Incidents	% of Total Incidents	Total Property and Content Loss Reported	% of Dollar Loss
Undetermined	509	34%	\$8,589,699	56%
Operating Equipment	406	27%	\$2,817,105	18%
Hot or Smoldering Object	194	13%	\$1,358,500	9%
Smoking Materials	85	6%	\$671,201	4%
Heat Source Other	70	5%	\$645,050	4%
Matches and Lighters	96	6%	\$541,820	4%
Candles	20	1%	\$414,350	3%
Multiple Heat Sources	12	1%	\$95,500	1%
Explosives and Fireworks	28	2%	\$66,250	0%
Flares, Fusees and Torches	21	1%	\$66,250	0%
Backfire from Engine	15	1%	\$42,700	0%
Chemical or Natural	17	1%	\$34,500	0%
Heat Spread from Another Fire	9	1%	\$11,000	0%
Grand Total	1,482	100%	\$15,353,925	100%

Sorted by dollar loss. Includes heat sources reported in the Fire Module. Percents rounded to the nearest whole number and some categories represent less than 1%.

2005 Fire Deaths by County	# of Deaths
Ferry	0
Lincoln	0
Pend Oreille	0
Spokane	4
Stevens	0
Regional Total	4

2005 Fire Death	Region	State	National*
Population	502,934	6,287,759	298,978,245
Death Rate per Million	8.0	10.3	13.0

*Based on 2003 Fire Fatality Statistics by the United State Fire Administration.

Region 9 Incident Summary

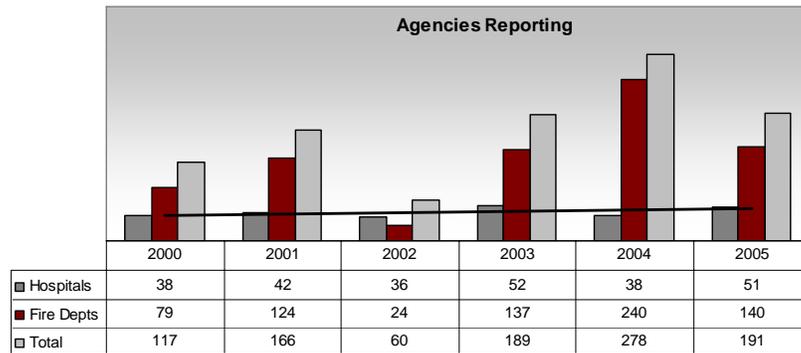
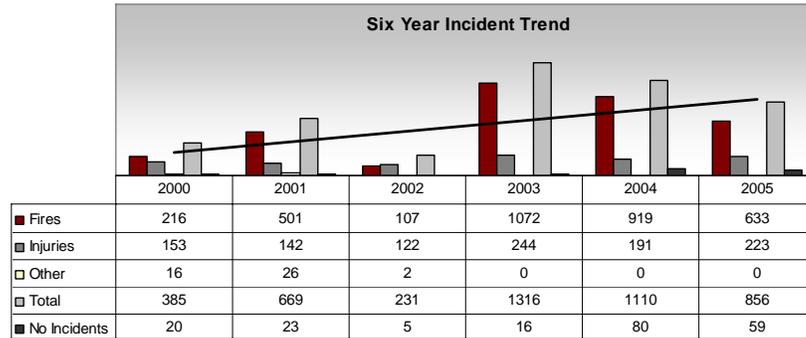
County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Ferry	Ferry #3 Orient/Stevens #8	102	0	1	103	\$49,600
	Ferry/Okanagan #13, Republic	1	0	0	1	\$0
	Ferry/Okanagan #14, Curlew	2	0	0	2	\$7,000
Ferry Total		105	0	1	106	\$56,600
Lincoln	Almira Fire Dept	24	0	0	24	\$0
	Creston Fire Dept	0	0	0	0	\$0
	Davenport Fire Dept	12	0	0	12	\$100,000
	Lincoln #1, Sprague	25	0	0	25	\$151,640
	Lincoln #3, Odessa	10	0	0	10	\$0
	Lincoln #4, Reardan	121	0	4	125	\$287,325
	Lincoln #5, Davenport	40	0	4	44	\$630,600
	Lincoln #6, Harrington	0	0	0	0	\$0
	Lincoln #7, Wilbur/City of Wilbur	11	0	2	13	\$95,200
	Lincoln #8, Almira	10	0	2	12	\$0
	Lincoln #9, Grand Coulee	0	0	0	0	\$0
	Odessa Fire Dept	2	0	0	2	\$0
Lincoln Total		255	0	12	267	\$1,264,765
Pend Oreille	Cusick Fire Dept	0	0	0	0	\$0
	Ione Fire Dept	0	0	0	0	\$0
	Metaline Falls Fire Dept	8	0	2	10	\$0
	Metaline Fire Dept	1	0	8	9	\$0
	Newport Fire Dept	48	0	5	53	\$56,800
	Pend Oreille #1, Elk	0	0	0	0	\$0
	Pend Oreille #2, Metaline Falls	12	0	0	12	\$140,000
	Pend Oreille #3, Newport	149	0	7	156	\$69,800
	Pend Oreille #4, Newport	0	0	0	0	\$0
	Pend Oreille #5, Cusick	15	0	0	15	\$0
	Pend Oreille #6, Newport	0	0	0	0	\$0
	Pend Oreille #7, Ferlie Valley	6	0	3	9	\$0
Pend Oreille #8, Newport	0	0	0	0	\$0	
Pend Oreille Total		239	0	25	264	\$266,600

Region 9 Incident Summary

County	Fire Department Name	Total Incident Reports	Number of Exposure Reports	Number of Automatic or Mutual Aid Given Reports	Total Reports	Total Property and Content Loss Reported
Spokane	Airway Heights Fire Dept	586	0	32	618	\$284,620
	Cheney Fire Dept	1,070	0	55	1,125	\$412,010
	Medical Lake Fire Dept	50	0	343	393	\$0
	Rockford Fire Dept	0	0	0	0	\$0
	Spokane #11, Rockford	0	0	0	0	\$0
	Spokane #8, Hangman/Mica	884	0	125	1,009	\$583,150
	Spokane #1, Spokane Valley	8,964	0	67	9,031	\$1,857,309
	Spokane #10, Airway Heights	789	0	57	846	\$128,050
	Spokane #12, Latah/Waverly	19	0	9	28	\$325,000
	Spokane #13, Newman Lake	102	0	12	114	\$0
	Spokane #2, Fairfield	16	0	16	32	\$0
	Spokane #3, Spokane	847	4	142	993	\$483,189
	Spokane #4, Deer Park	292	3	3	298	\$213,421
	Spokane #5, Nine Mile Falls	47	0	16	63	\$0
	Spokane #9, Mead	2,620	5	36	2,661	\$604,350
Spokane Fire Dept	24,601	2	11	24,614	\$9,239,495	
Spokane Total		40,887	14	924	41,825	\$14,130,594
Stevens	Chewelah Fire Dept	76	0	4	80	\$55,100
	Colville Fire Dept	0	0	0	0	\$0
	Kettle Falls Fire Dept/Stevens #6	44	0	4	48	\$136,600
	Marcus Fire Dept	0	0	0	0	\$0
	Northport Fire Dept	0	0	0	0	\$0
	Stevens #11, Northport	0	0	0	0	\$0
	Stevens #12, Rice/Daisy/Gifford	41	0	0	41	\$1,048,500
	Stevens #4, Valley/Chewelah	68	0	8	76	\$0
	Stevens #5, Addy	71	0	0	71	\$190,550
	Stevens #7, Arden	78	0	0	78	\$338,250
	Stevens #1, Clayton	899	1	9	909	\$0
	Stevens #10, Deep Lake	0	0	0	0	\$0
	Stevens #2, Hunters	13	0	3	16	\$70,000
	Stevens #3, Colville	0	0	0	0	\$0
Stevens #9, Little Pend Oreille Lake	4	0	0	4	\$0	
Stevens Total		1,294	1	28	1,323	\$1,839,000
Grand Total		42,780	15	990	43,785	\$17,557,559

Fireworks Report

There were 856 fireworks-related injuries and/or fires reported to the State Fire Marshal in 2005 by fire departments and hospital emergency rooms. This is a 23% reduction from the previous year total of 1,110, but a 12% increase over the six-year average of 761. Of the 856 reports received, there were 633 fires, and 223 injuries. These incidents resulted in more than \$1 million in property loss.



Combined Enforcement and Education Campaign Make a Difference in Vancouver

In 2005, the Vancouver Fire and Police Departments collaborated to form eight fireworks enforcement teams. These teams responded to fireworks complaints within the city limits and issued civil infractions for illegal use of fireworks. Patrols were conducted in targeted areas. Fines for unlawful sale, use, or possession of fireworks began at \$250.

The fire department distributed 55,000 safety flyers and 30,000 utility bill inserts. Neighborhoods were urged to be considerate and to observe dates and times for legal use of fireworks. Parents were urged to ensure the safety of children by close supervision and by using only legal fireworks purchased from approved stands. Twelve metal street signs were posted on major roadways showing legal discharge dates. The results were city parks were cleaner, the city was calmer after curfew, and fires were reduced by 34%.

Note: This data was gathered on paper forms submitted by individual fire departments or hospitals or from the NFIRS database.

Fireworks Report

Fireworks-related incidents most often occur on July 4th, which is the day that these devices are most widely used. This has remained constant over the past six years. In 2005, fireworks-related fires caused an estimated loss of \$1,189,681. Based on the reports received, illegal fireworks were identified as the cause in 18% of all reported firework-related fires and caused \$592,570 in property loss, or 50% of the estimated total loss from firework-related fires. Legal fireworks were identified in 10% of the reported fires, with a loss of \$60,770, or 5% of the total loss. The type of fireworks was not identified by the reporting fire department in 72% of the fire incidents (Table #1).

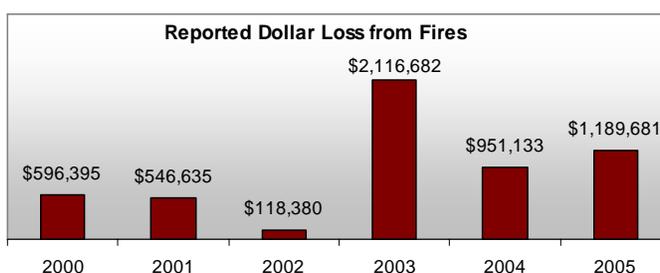
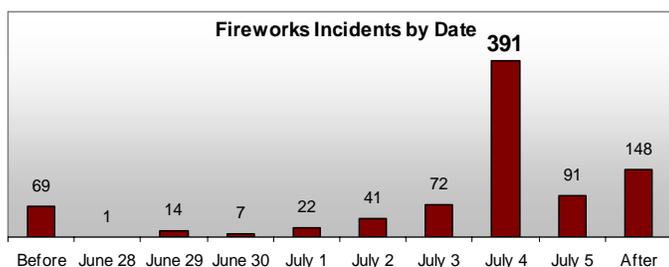


Table #1
Fires by Classification of Fireworks Device

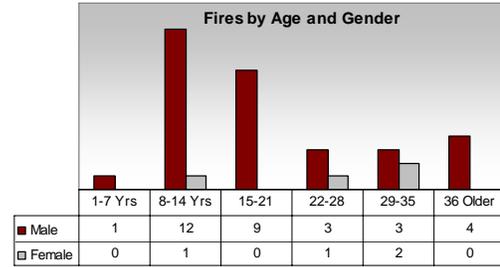
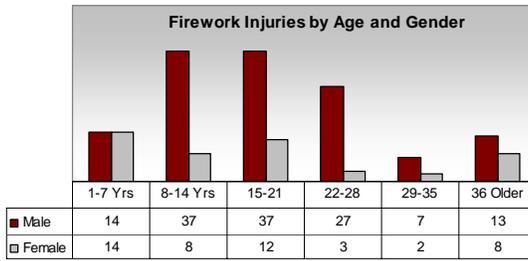
Property Type	Dollar Loss				Number of Fires			
	Illegal	Legal	Unidentified	Total	Illegal	Legal	Unknown	Total
Wildland or Vegetation	\$1,920	\$2,670	\$5,675	\$10,265	78	45	152	275
Residential Structure	\$539,550	\$57,500	\$492,796	\$1,089,846	19	7	24	50
Commercial	\$50,300	\$0	\$1,300	\$51,600	5	3	10	18
School	\$300	\$0	\$0	\$300	1	0	15	16
Vehicle	\$500	\$600	\$36,550	\$37,650	1	1	7	9
Other/Unknown	\$0	\$0	\$20	\$20	10	7	248	265
Grand Total	\$592,570	\$60,770	\$536,341	\$1,189,681	114	63	456	633

Wildland areas are at great risk from fires caused by fireworks. Of the fire incidents reported, 43% resulted in vegetation or wildland fires, with a fire loss of \$10,265; 8% were residential, with a fire loss of \$1,089,846; and less than 1% were vehicle fires, with a fire loss of \$37,650 (Table #1).

Fireworks-related fires by age and gender (see chart on top of Page 56) clearly shows that male juveniles are causing most (89%) of the fireworks-related fires. Fireworks-related injuries by age and gender show that male youth and young adults are most often injured in fireworks-related injury incidents. There was no adult supervision in 25% of the incidents where supervision was known and children were involved. According to the Center for Disease Control, children are 11 times more likely to be injured by fireworks if they are unsupervised.

Note: This data was gathered on paper forms submitted by individual fire departments or hospitals from the NFIRS database.

Fireworks Report



The type of injury caused most often was burns at 57%. The next leading injury was trauma at 27%, followed by amputations at less than 2% (Table #2).

Type of Injury	Legal Classification			Total Injuries	Injury Location	Injury Location			Total Injuries
	Illegal	Legal	Unk			Illegal	Legal	Unk	
First Degree Burn	17	17	19	53	Arm	3	6	1	10
Second Degree Burn	27	27	11	65	Hand	41	17	13	71
Third Degree Burn	3	3	3	9	Head/Face	33	28	24	85
Trauma	36	15	11	62	Leg/Foot	10	11	7	28
Amputation	6	0	0	6	Torso	7	7	2	16
Unmarked/Unknown	24	1	3	28	Unknown	0	1	12	13
Grand Total	113	63	47	223	Grand Total	94	70	59	223

Table #3 shows the type of fireworks devices that were involved in injury incidents. Illegal fireworks were involved in 113 injury incidents, or 50%, and legal fireworks were responsible for 63 incidents, or 28%.

Of the 63 incidents involving legal devices, sparklers caused 18, or 30%, of the incidents; followed by roman candles at 16, or 26%; and third is multi-aerials at 15, or 25%, of the incidents. The remaining miscellaneous fireworks caused 12, or 20%, of the incidents. Bottle rockets and firecrackers lead the list of illegal devices causing injuries.

As shown in Table #4, the leading cause of fireworks-related injuries is “holding,” at 29 incidents, followed by “leaning,” at 13 incidents, and “delayed ignition,” at 12 incidents.

Legal	Total	Illegal	Total
Cones and Fountains	5	Altered Fireworks	4
Ground Spinners	2	Bottle Rockets	24
Multi Aerials	15	Cherry Bombs	1
Novelties	4	Firecrackers and Chasers	28
Roman Candles	16	Homemade Explosive Devices	16
Smoke Items	8	M-80's	4
Sparklers	18	M-100's or Larger	1
Total	68	Missiles and Rockets	13
Unknown Device Type	54	Public Display Mortars	10
Total All Devices	223	Total Illegal Devices	101

Cause	Total
Holding	53
Tampering With	22
Throwing	16
Leaning over	10
Duds/Relighting	8
Unsafe Surface	7
Other/Unknown	107
Total	223

Note: This data was gathered on paper forms submitted by individual fire departments or hospitals or from the NFIRS database.

Fireworks Report

The counties that reported the most fireworks-related incidents were King, Pierce, and Snohomish Counties. Combined, these counties represent 53% of the total incidents reported.

Fireworks Incident Reports Received by County									
County	Incidents Reported	Fire Department			Fire District			Hospital	Grand Total
		Fire	Injury	Total	Fire	Injury	Total	Injury	
Adams	0	0	0	0	1	0	1	0	1
Asotin	0	0	0	0	0	0	0	0	0
Benton	0	12	0	12	1		1	1	14
Chelan	2	3	0	3	6	0	6	1	10
Clallam	0	4	0	4	9	1	10	0	14
Clark	1	28	0	28	1	0	1	2	31
Columbia	0	0	0	0	0	0	0	0	0
Cowlitz	1	12	0	12	3	1	4	4	20
Douglas	0	0	0	0		0	0	0	0
Ferry	0	0	0	0	0	0	0	1	1
Franklin	1	2	0	2	0	0	0	0	2
Garfield	1	0	0	0	0	0	0	0	0
Grant	5	13	0	13	5	0	5	2	20
Grays Harbor	5	7	0	7	5	0	5	4	16
Island	0	2	0	2	8	0	8	1	11
Jefferson	0	0	0	0	1	0	1	1	2
King	2	117	8	125	60	5	65	44	234
Kitsap	0	9	0	9	13	3	16	6	31
Kittitas	1	2	0	2	1	0	1	1	4
Klickitat	4	4	0	4	1	0	1	1	6
Lewis	6	3	0	3	0	0	0	4	7
Lincoln	5	0	0	0	1	0	1	1	2
Mason	0	4	0	4	0	0	0	1	5
Okanogan	2	1	0	1	4	0	4	0	5
Pacific	1	0	0	0	4	0	4	1	5
Pend Oreille	2	0	0	0	0	0	0	0	0
Pierce	7	61	2	63	31	3	34	23	120
San Juan	0	0	0	0	0	0	0	0	0
Skagit	3	11	0	11	3	0	3	7	21
Skamania	0	1	0	1	0	0	0	0	1
Snohomish	3	19	0	19	46	7	53	30	102
Spokane	2	14	7	21	11	1	12	5	38
Stevens	3	3	0	3	1	0	1	0	4
Thurston	2	11	2	13	10	3	13	6	32
Wahkiakum	0	0	0	0	0	0	0	0	0
Walla Walla	0	9	3	12	1	2	4	4	20
Whatcom	2	0	0	0	3	3	6	11	17
Whitman	0	3	0	3	0	0	0	1	4
Yakima	0	17	2	19	30	0	30	7	56
Grand Total	61	372	24	396	260	29	290	170	856

Special Recognition

Washington State Association of Fire Chiefs for demonstrating their support toward data collection.

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Data Collection

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