



**2022**

# Fire Risk Report





# Introduction



The Wisconsin Department of Safety and Professional Services (DSPS) Fire Prevention Program is pleased to present its 2022 Fire Risk Report. This report presents fire department incident data in an effort to improve public safety, increase knowledge, and identify needed resources.

All incident data for this report comes from fire department submissions into the National Fire Incident Reporting Systems (NFIRS), and all fire department statistics come from Fire Chief submissions into eSLA during 2% Fire Dues Self-Certification. In 2022, Wisconsin had 812 active fire departments, of which 801 were required to report data to the NFIRS database. The others are not required because they are a Federal/State/Military/Private Fire Brigade.

Incident reporting provides essential information about fires, their causes, and consequences, as well as descriptive data about many other emergency services fire departments provide. This data helps communities improve fire protection systems and helps fire departments improve service delivery. DSPS also tracks data across years to help identify trends and determine changes to Wisconsin's fire-related challenges.

We hope this information will be useful to fire departments, elected officials, and the public as a planning tool for meeting the future needs of the fire service and promoting fire safety across Wisconsin.

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**Division of Industry Services**  
**Fire Prevention Program**  
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# Statistics Disclaimer



This report contains data from Wisconsin fire departments. However, submitted information does not always translate into usable data because NFIRS requires a minimum amount of data for an incident to be considered valid. If critical data (such as type of fire) is missing, the incident cannot be accurately analyzed.

Some fire departments report all responses, while others only report fire responses. To paint a true picture of each department's role in their community, this report contains information on all VALD reported response types.

Developing incident response data for a fire department can help determine the best use of limited resources and budget dollars. Data submitted using the "OTHER" incident type (100, 200, 300, etc.), sometimes shows fluctuation year-to-year. When reporting incidents, it helps to be more specific and not overuse the "OTHER" category (i.e., 100-Fire, other; 200-Overpressure, other).

The chart below shows all incidents categorized as Type "Other" in the Data Warehouse since 2020:

<b>Incident Type</b>	<b>100</b>	<b>200</b>	<b>300</b>	<b>400</b>	<b>500</b>	<b>600</b>	<b>700</b>	<b>800</b>	<b>900</b>
<b>2022</b>	758	54	14,498	406	1554	2700	6327	157	560
<b>2021</b>	706	57	14,079	356	1,304	2,093	4,414	249	477
<b>2020</b>	642	32	14,898	341	1,163	2,109	4,446	58	410

The DSPS Fire Prevention staff trains fire departments in accessing and properly submitting fire incident data. Fire departments are encouraged to reach out to your Fire Prevention Coordinator for training. If you have questions while filling out a report, you can contact Sarah Brown at (715) 634-4013 or by email at [Sarah2.Brown@wisconsin.gov](mailto:Sarah2.Brown@wisconsin.gov).



# 2022 Statistics

Updated annually in eSLA by Wisconsin fire chiefs  
during 2% Fire Dues self-certification



<b>FDIDs in Wisconsin</b>	<b>811</b>
<b>FDIDs reporting incidents to NFIRS</b>	<b>792</b>
<b>FDIDs required to report incidents to NFIRS but did not</b> <i>*Some FDs are not required based on pay status</i>	<b>9</b>
<b>Career firefighters</b>	<b>4,880</b>
<b>Unpaid volunteer firefighters</b>	<b>8,168</b>
<b>Paid volunteer firefighters</b>	<b>12,525</b>
<b>Non-firefighter staff</b>	<b>6421</b>
<b>Career fire departments</b>	<b>42</b>
<b>Combination fire departments</b>	<b>137</b>
<b>Volunteer fire departments</b>	<b>620</b>
<b>Federal/State/Military fire departments</b>	<b>10</b>
<b>Private fire brigades</b>	<b>2</b>





# What's New with NFIRS



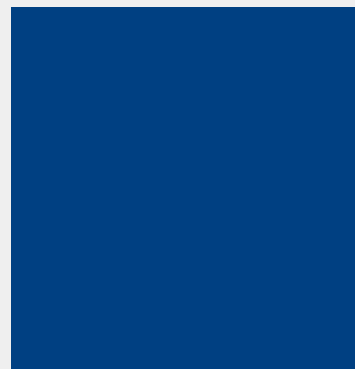
## NFIRS Data Warehouse

The Summary Output Reporting Tool (SORT) was decommissioned in August 2023. However, all SORT reports are available in the NFIRS Data Warehouse. NFIRS users without access to the Data Warehouse can request permission from their NFIRS State Program Manager. Two new resources for using the Data Warehouse are now posted on the U.S. Fire Administration (USFA) website:

- NFIRS Data Warehouse [Quick Start Guide](#)
- NFIRS Data Warehouse [User Guide Part 1](#)

## New and Updated NFIRSGrams

Over the last year, the U.S. Fire Administration (USFA) has published new and updated NFIRSGrams on its website. These short bulletins are designed to help fire department personnel properly code incident reports. You can find the [latest NFRIS coding](#) guidance on the USFA website.





# NFIRS Reporting - Invalids



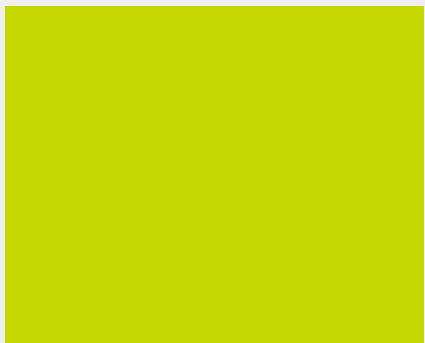
There is a minimum amount of data that must be entered into the NFIRS system for an incident to be considered valid. *Warning* and *Critical* errors happen when a “Required” module is missed or incomplete, and when module questions are answered incorrectly or not at all. Certain modules are “Required” based on the incident type being reported, and whether the question is “Required” or just considered “Additional Information” will determine whether it is a *Warning* or a *Critical* error. It is very important to answer all the required questions in all the required modules as completely as possible. When an incident is deemed invalid the data is considered unusable in the NFIRS system and therefore cannot be used in data analysis. Please see the charts below.

## Ways to check your NFIRS reporting for Invalid Incidents:

1. Run an **Incident Search** under the Incident Management tab and filter for the year and to just show your Invalids.
2. Run an **Incident Listing or Monthly Incident Counts** report in the Summary Output Report Tool filtered to just show your Invalids.
3. If you are using third party software, you should look at the **Zip File** that is emailed to you after NFIRS has completed your import. Invalids will be shown at the bottom under the Incident Summary.

If you would like assistance with Invalids, contact your Fire Coordinator or NFIRS Program Coordinator Sarah Brown at [Sarah2.Brown@wisconsin.gov](mailto:Sarah2.Brown@wisconsin.gov).

**[Click here to find a NFIRS Incident Code Guide](#)**

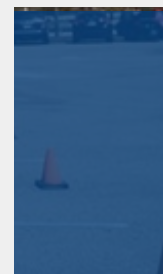
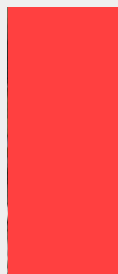
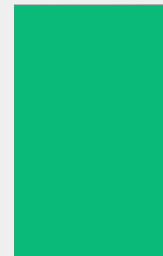
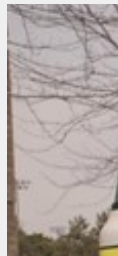




# Reasons for Invalids, by year



2022	2021	2020
1. Actions Taken is required	Apparatus type is required [Apparatus Module]	Clear Time cannot be later than the Last Clear Time [Apparatus Module]
2. Street or Highway is required	Apparatus Use is required [Apparatus Module]	Street or Highway is required
3. Property Use is required	Street or Highway is required.	Fire Service Fatalities is required
4. Incident Type is required	Action taken is required	Fire Service Injuries is required
5. Arrival Date is required	Property Use is required	Action Take is required
6. Structure Type is required [Structure Module]	Incident Type is required	Age of Person Must be Greater than Zero
7. Apparatus Clear Time must be equal to/after Incident Arrival Time unless cancelled <del>en</del> -route.	State is required	Age of Person Not Allowed
8. Clear Time cannot be later than last clear time [Apparatus Module]	City is required	Arrival Date is required
9. Non-Fire Service Fatalities is required	Clear Time cannot be later than Last Unit Clear Time [Apparatus Module]	Non-Fire Service Injuries is required
10. Non-Fire Service Injuries is required	Non-Fire Service Fatalities is required	Non-Fire Service Fatalities is required





# Incident Reporting Requirements



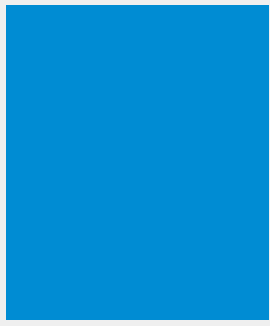
This report contains information on the total number of incidents reported by participating fire departments. In 2022, 792 fire departments reported incident data to NFIRS, while nine failed to enter a single report.

- **SPS 314.01(11) (a)** says that for each fire, a record shall be compiled by a fire department serving the municipality in which the fire occurred.
- **NFPA 1 (2012), under 1.11.3.2**, says, “The fire department shall keep a record of fire and other emergency responses occurring within its jurisdiction and of facts concerning the same, including statistics as to the extent and damage caused by such fires or emergencies.”
- In addition, Wisconsin State Statutes § 101.141 shall apply; **101.141 RECORD KEEPING OF FIRES. (1):** Each city, village, and town fire department shall file a report for each fire that involves a building and that occurs within the boundaries of the city, village, or town with the U.S. Fire Administration for placement in the fire incident reporting system maintained by the U.S. Fire Administration. The report shall be filed within 60 days after the fire occurs.

The fire service, DSPS, and the U.S. Fire Administration recognize the importance of accurately reporting all fires. **To be eligible for federal government fire grants, fire departments must report all incidents to NFIRS. Failure may also disqualify members from attending training at the National Fire Academy.**

To report 2021 fire incident data, Wisconsin fire departments used one of the following methods:

1. Federally provided eNFIRS
2. State provided Image Trend Elite
3. Privately paid for third party software (IAM Responding, Fire Works, ProPhoenix, etc.)





# Summary by Incident Type

From Data Warehouse



Call By Incident Type		Frequency	Percent of Total Calls	Mutual Aid None	Mutual Aid Given	Mutual Aid Received	Other Aid Given	Invalid Aid Flag	Exposures
FIRES	Building Fires (110-118, 120-123)	5,432	1.13%	3,809	5,136	1,583	40	0	62
	Vehicle Fires (130-138)	2,445	0.51%	2,159	288	265	21	0	38
	Other Fires (100, 140-173)	3,992	0.83%	3,459	967	495	38	0	9
	<b>Total Fires</b>	<b>11,869</b>	<b>2.48%</b>	<b>9,427</b>	<b>6,391</b>	<b>2,343</b>	<b>99</b>	<b>0</b>	<b>109</b>
Pressure Ruptures, Explosion, Overheat (200-251)		686	0.14%	643	38	37	6	0	0
RESCUE CALLS	Emergency Medical Treatment (300-324)	350,838	73.21%	339,991	9,148	8,283	2,564	0	0
	All Others (331-381)	4,363	0.91%	4,062	453	240	61	0	0
	<b>Total Rescue Calls</b>	<b>355,201</b>	<b>74.12%</b>	<b>344,053</b>	<b>9,601</b>	<b>8,523</b>	<b>2,625</b>	<b>0</b>	<b>0</b>
Hazardous Condition Calls (400-482)		16,260	3.39%	15,401	700	753	106	0	0
Service Calls (500-571)		31,228	6.52%	30,796	1,291	323	109	0	0
Good Intent Calls (600-671)		27,332	5.70%	26,165	5,810	841	326	0	0
Severe Weather or National Disaster Calls (800-815)		725	0.15%	672	40	49	4	0	0
Special Incident Calls (900-911)		934	0.19%	921	32	5	8	0	0
Unknown Incident Type (UUU)		0	0.00%	0	0	0	0	0	0
FALSE CALLS	Malicious Calls (710-715, 751)	1,830	0.38%	1,745	23	61	24	0	0
	Other False Calls (700, 721-746)	33,162	6.92%	31,627	665	1,380	155	0	0
	<b>Total False Calls</b>	<b>34,992</b>	<b>7.30%</b>	<b>33,372</b>	<b>688</b>	<b>1,441</b>	<b>179</b>	<b>0</b>	<b>0</b>
<b>TOTAL CALLS</b>		<b>479,227</b>	<b>100.00%</b>	<b>461,450</b>	<b>24,591</b>	<b>14,315</b>	<b>3,462</b>	<b>0</b>	<b>109</b>

Total Incidents With Exposure Fires	Total Exposure Fires	Total Fire Dollar Loss	Total Dollar Loss
65	109	\$279,370,379	\$288,788,869

Casualty Summary	Civilian	Fire Service
Fire Related Injuries	130	113
Non-Fire Injuries	85	227





# Structure Fire Causes



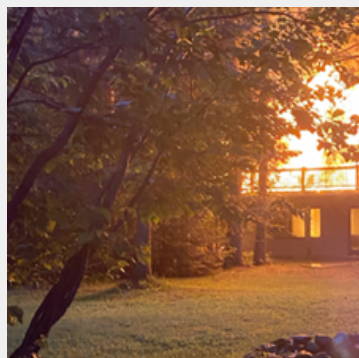
## Fire Causes - Structure Fire Module

Report Period: 1/1/22 to 12/31/22

New Cause		Fires		Civilian Deaths		Civilian Injuries		Fire Fighter Deaths		Fire Fighter Injuries		Property Loss		Contents Loss		Total Loss	
Code	Description	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
01	Intentional	123	3.56%	0	0.00%	4	3.81%	0	0.00%	2	2.30%	3,733,297	2.42%	1,884,234	2.39%	5,617,531	2.41%
02	Playing with Heat Source	19	0.55%	0	0.00%	1	0.95%	0	0.00%	1	1.15%	1,070,044	0.69%	486,004	0.62%	1,556,048	0.67%
03	Smoking	128	3.71%	0	0.00%	4	3.81%	0	0.00%	3	3.45%	2,429,484	1.58%	880,051	1.12%	3,309,535	1.42%
04	Heating	136	3.94%	1	2.04%	7	6.67%	0	0.00%	2	2.30%	4,346,100	2.82%	2,142,780	2.72%	6,488,880	2.79%
05	Cooking	239	6.92%	0	0.00%	8	7.62%	0	0.00%	2	2.30%	2,086,316	1.35%	960,008	1.22%	3,046,324	1.31%
06	Electrical Malfunction	348	10.08%	7	14.29%	3	2.86%	0	0.00%	3	3.45%	10,850,873	7.04%	4,061,706	5.15%	14,912,579	6.40%
07	Appliances	117	3.39%	0	0.00%	7	6.67%	0	0.00%	1	1.15%	2,606,200	1.69%	2,879,024	3.65%	5,485,224	2.35%
08	Open Flame	276	7.99%	2	4.08%	7	6.67%	0	0.00%	2	2.30%	10,156,537	6.59%	4,322,625	5.48%	14,479,162	6.22%
09	Other heat	187	5.42%	0	0.00%	3	2.86%	0	0.00%	3	3.45%	4,695,139	3.05%	3,189,768	4.05%	7,884,907	3.38%
10	Other Equipment	39	1.13%	0	0.00%	1	0.95%	0	0.00%	1	1.15%	3,389,247	2.20%	3,163,753	4.01%	6,553,000	2.81%
11	Natural	126	3.65%	0	0.00%	2	1.90%	0	0.00%	4	4.60%	5,526,751	3.59%	3,066,000	3.89%	8,592,751	3.69%
12	Exposure	70	2.03%	0	0.00%	3	3.81%	0	0.00%	0	0.00%	330,704	1.91%	188,716	1.65%	519,420	1.82%
13	Unknown	879	25.46%	30	61.22%	31	29.52%	0	0.00%	45	51.72%	66,992,556	43.47%	30,977,355	39.28%	97,969,911	42.06%
14	Equipment Misoperation, Failure	170	4.92%	2	4.08%	4	3.81%	0	0.00%	9	10.34%	6,562,111	4.26%	2,833,308	3.59%	9,395,419	4.03%
15	Other Unintentional, Careless	579	16.77%	4	8.16%	17	16.19%	0	0.00%	9	10.34%	25,764,355	16.72%	16,191,856	20.53%	41,956,211	18.01%
16	Investigation with Arson Mod.	17	0.49%	3	6.12%	2	1.90%	0	0.00%	0	0.00%	953,250	0.62%	515,950	0.65%	1,469,200	0.63%
Grand Total		3,453	100.00%	49	100.00%	104	100.00%	0	0.00%	87	100.00%	151,492,964	100.00%	77,743,138	100.00%	229,236,102	100.00%

Unknown Cause

**25.46%**



Civilian Deaths

**49**

Firefighter Deaths

**0**



# NFIRS Dashboard

## Valid Incidents



Report Period: 1/1/22 to 12/31/22

Total Fire Departments 788

Total Incident Reports 504,081

## Summary By Incident Type Category

Incident Type Category	Total Incidents	Percent	Aid Given	Exposures	Grand Total
Fires (100-172)	11,880	2.5%	6,395	108	18,384
Overpressure Rupture, Explosion, Overheat Calls (200-251)	686	0.1%	38	0	724
Rescue and EMS Calls (300-381)	355,312	74.1%	9,802	0	364,914
Hazardous Condition Calls (400-482)	16,271	3.4%	700	0	16,971
Service Calls (500-571)	31,231	6.5%	1,291	0	32,522
Good Intent Calls (600-672)	27,339	5.7%	5,810	0	33,149
False Alarm and False Calls (700-731)	34,996	7.3%	688	0	35,684
Severe Weather and Natural Disaster Calls (800-815)	725	0.2%	40	0	765
Special Incident Type Calls (900-911)	936	0.2%	32	0	968
Unknown or Not Reported	0	0.0%	0	0	0
Grand Total	479,376	100.0%	24,596	108	504,081

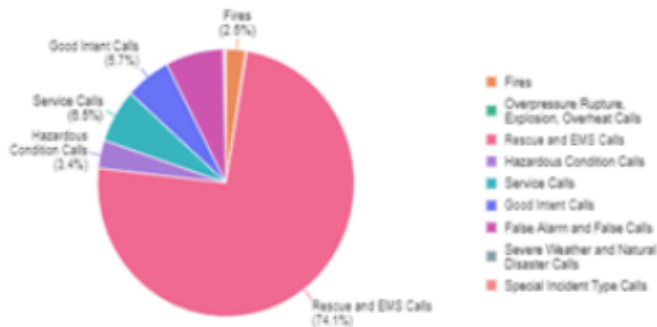
## Incident Counts By Month of Year



## Monthly Incident Counts

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Grand Total
43,356	35,970	39,225	37,223	43,816	44,186	44,929	41,933	40,309	43,694	42,342	47,088	504,081

## Incident Type Category Summary



## Percent Valid

100.0%

## Percent Released

99.9%

## Incident Valid Status Summary

Incident Valid Status	Total	Percent
Valid	504,081	100.0%
Invalid	0	0.0%
No Activity	0	0.0%
Grand Total	504,081	100.0%

## Incident Release Status Summary

Incident Valid Status	Total	Percent
Released	503,789	99.9%
Unreleased	292	0.1%
Grand Total	504,081	100.0%

## Fire Service Injuries

340

## Fire Service Deaths

2

## Fire Service Casualty Summary

Fire Service Casualties	Fire Related	Non-Fire	Grand Total
Fire Service Injuries	113	227	340
Fire Service Deaths	2	0	2
Total Fire Service Casualties	115	227	342



# Structure Fires

by Property Use



## Structure Fires By Property Use 2022

Report Period: 1/1/22 to 12/31/22

Property Type	Fires		Fire Fighter Deaths		Fire Fighter Injuries		Civilian Deaths		Civilian Injuries		Property Loss	
	#	%	#	%	#	%	#	%	#	%	#	%
Dwellings	2,439	63.63%	0	0.00%	61	85.92%	27	61.36%	58	56.86%	83,749,927	75.31%
Apartments	1,003	26.17%	0	0.00%	8	11.27%	11	25.00%	36	35.29%	18,131,943	16.30%
Mobile Homes	37	0.97%	0	0.00%	0	0.00%	1	2.27%	0	0.00%	472,090	0.42%
Hotels, Motels	54	1.41%	0	0.00%	0	0.00%	0	0.00%	2	1.90%	1,570,897	1.41%
Other Residential	300	7.83%	0	0.00%	2	2.82%	5	11.36%	6	5.88%	7,286,413	6.55%
<b>Total Residential</b>	<b>3,833</b>	<b>100.00%</b>	<b>0</b>	<b>0.00%</b>	<b>71</b>	<b>100.00%</b>	<b>44</b>	<b>100.00%</b>	<b>102</b>	<b>100.00%</b>	<b>111,211,270</b>	<b>100.00%</b>
Public Assembly	64	13.22%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	883,851	6.29%
Eating, Drinking	111	22.93%	0	0.00%	3	50.00%	4	80.00%	1	14.29%	4,635,211	32.98%
Education	32	6.61%	0	0.00%	0	0.00%	0	0.00%	1	14.29%	1,004,010	7.14%
Institution	98	20.25%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	709,365	5.05%
Stores, Offices	179	36.98%	0	0.00%	3	50.00%	1	20.00%	5	71.43%	6,824,167	48.55%
<b>Total Public, Merc</b>	<b>484</b>	<b>100.00%</b>	<b>0</b>	<b>0.00%</b>	<b>6</b>	<b>100.00%</b>	<b>5</b>	<b>100.00%</b>	<b>7</b>	<b>100.00%</b>	<b>14,056,604</b>	<b>100.00%</b>
Basic Industry	85	8.15%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3,266,077	11.62%
Manufacturing	154	14.77%	0	0.00%	3	20.00%	0	0.00%	2	40.00%	4,921,800	17.51%
Residential Garage	150	14.38%	0	0.00%	4	26.67%	0	0.00%	0	0.00%	2,737,652	9.74%
Storage	365	35.00%	0	0.00%	8	53.33%	0	0.00%	3	60.00%	15,407,916	54.82%
Construction	1	0.10%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Non-Billing Structures	288	27.61%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1,774,091	6.31%
<b>Total Industry, etc</b>	<b>1,043</b>	<b>100.00%</b>	<b>0</b>	<b>0.00%</b>	<b>15</b>	<b>100.00%</b>	<b>0</b>	<b>0.00%</b>	<b>5</b>	<b>100.00%</b>	<b>28,107,238</b>	<b>100.00%</b>





# Assistance to Firefighters



## NFIRS Assistance to Firefighters Grant Summary

Report Period: 1/1/22 to 12/31/22

### Summary By Incident Type Category (All Incidents)

Incident Type Category	2022	Grand Total
Fires (100-173)	19,399	19,399
Overpressure Rupture, Explosion, Overheat Calls (200-251)	726	726
Rescue and EMS Calls (300-381)	366,410	366,410
Hazardous Condition Calls (400-482)	17,051	17,051
Service Calls (500-571)	32,687	32,687
Good Intent Calls (600-672)	33,531	33,531
False Alarm and False Calls (700-751)	35,883	35,883
Severe Weather and Natural Disaster Calls (800-815)	771	771
Special Incident Type Calls (900-911)	976	976
Unknown or Not Reported	800	800
<b>Grand Total</b>	<b>508,234</b>	<b>508,234</b>

### Summary By Incident Type Category (Fire Incidents)

Incident Type Category	2022	Grand Total
Structure Fires (111-118)	10,944	10,944
Fires in Mobile Property Used as a Fixed Structure (120-123)	163	163
Mobile Property (Vehicle) Fires (130-138)	2,953	2,953
Natural Vegetation Fires (140-143)	2,472	2,472
Outside Rubbish Fires (150-155)	1,492	1,492
Special Outside Fires (160-164)	405	405
Cultivated Vegetation, Crop Fires (170-173)	107	107
Fires, Other (100)	863	863
<b>Grand Total</b>	<b>19,399</b>	<b>19,399</b>

Note: The numbers in the summary tables represent all incidents (total responses) reported to the National Fire Incident Reporting System (NFIRS) and include all Aid Given or Received incidents and all fire exposure incidents.





# Assistance to Firefighters



## NFIRS Assistance to Firefighters Grant Summary

Report Period: 1/1/22 to 12/31/22

### Total Acres Burned Summary By Incident Type Category (Fire Incidents)

Incident Type Category	2022	Grand Total
Structure Fires (111-118)	98	98
Fires in Mobile Property Used as a Fixed Structure (120-123)	2	2
Mobile Property (Vehicle) Fires (130-138)	15	15
Natural Vegetation Fires (140-143)	2,281	2,281
Outside Rubbish Fires (150-155)	13	13
Special Outside Fires (160-164)	13	13
Cultivated Vegetation, Crop Fires (170-173)	194	194
Fires, Other (100)	7	7
<b>Grand Total</b>	<b>2,623</b>	<b>2,623</b>

Note: The numbers in the summary table represent the total acres burned with all fire incidents reported to the National Fire Incident Reporting System (NFIRS) either on the Fire Module or on the Wildland Fire Module.

### Summary By Incident Type Category - Less Than One Acre Burned Counts (Fire Incidents)

Incident Type Category	2022	Grand Total
Structure Fires (111-118)	478	478
Fires in Mobile Property Used as a Fixed Structure (120-123)	7	7
Mobile Property (Vehicle) Fires (130-138)	221	221
Natural Vegetation Fires (140-143)	621	621
Outside Rubbish Fires (150-155)	96	96
Special Outside Fires (160-164)	44	44
Cultivated Vegetation, Crop Fires (170-173)	25	25
Fires, Other (100)	29	29
<b>Grand Total</b>	<b>1,521</b>	<b>1,521</b>

Note: The numbers in the summary table represent the count of how many times Less Than One Acre Burned was checked with all fire incidents reported to the National Fire Incident Reporting System (NFIRS) on the Fire Module.





# Assistance to Firefighters



## NFIRS Assistance to Firefighters Grant Summary

Report Period: 1/1/22 to 12/31/22

### Summary By Incident Type Category (EMS Incidents)

Incident Type Category	2022	Grand Total
Medical Assist Calls (311)	30,589	30,589
Emergency Medical Service Incidents (320-324)	316,296	316,296
Lock-In Calls (331)	346	346
Search for Lost Person Calls (340-343)	523	523
Extrication, Rescue Calls (350-357)	2,035	2,035
Water and Ice-Related Rescue Calls (360-365)	580	580
Electrical Rescue Calls (370-372)	55	55
Rescue or EMS Standby Calls (381)	1,315	1,315
Rescue and EMS Incidents, Other (300)	14,671	14,671
<b>Grand Total</b>	<b>366,410</b>	<b>366,410</b>

### Summary By Incident Type Category (EMS Incidents - AFG Categories)

Incident Type Category	2022	Grand Total
Motor Vehicle Accident Calls (322-324)	24,178	24,178
Extrication from Vehicle Calls (352)	544	544
Rescue Calls (300, 350-351, 353-357, 360-365, 370-372, 381)	18,112	18,112
Rescue and EMS Incidents, (All Other EMS Calls)	323,576	323,576
<b>Grand Total</b>	<b>366,410</b>	<b>366,410</b>

Note: The numbers in the summary tables represent all incidents (total responses) reported to the National Fire Incident Reporting System (NFIRS) and include all Aid Given or Received incidents and all fire exposure incidents.



# Assistance to Firefighters



## NFIRS Assistance to Firefighters Grant Summary

Report Period: 1/1/22 to 12/31/22

### Summary By Aid Given or Received (All Incidents)

Aid Given or Received Type	2022	Grand Total
Mutual Aid Received (1)	7,225	7,225
Automatic Aid Received (2)	7,424	7,424
Mutual Aid Given (3)	16,409	16,409
Automatic Aid Given (4)	9,169	9,169
Other Aid Given (5)	3,503	3,503
No Aid Given or Received (N)	464,504	464,504
<b>Grand Total</b>	<b>508,234</b>	<b>508,234</b>

### Summary By Aid Given or Received (Structure Fires - Incident Type 111-123)

Aid Given or Received Type	2022	Grand Total
Mutual Aid Received (1)	1,081	1,081
Automatic Aid Received (2)	665	665
Mutual Aid Given (3)	4,089	4,089
Automatic Aid Given (4)	1,185	1,185
Other Aid Given (5)	49	49
No Aid Given or Received (N)	4,038	4,038
<b>Grand Total</b>	<b>11,107</b>	<b>11,107</b>

Note: The numbers in the summary tables represent all incidents (total responses) reported to the National Fire Incident Reporting System (NFIRS) and include all Aid Given or Received incidents and all fire exposure incidents.





# Assistance to Firefighters



## NFIRS Assistance to Firefighters Grant Summary

Report Period: 1/1/22 to 12/31/22

### Fire Service Casualty Summary

Fire Service Casualties	Fire-Related	Non-Fire	Grand Total
Fire Service Injuries	123	237	360
Fire Service Deaths	2	0	2
Total Fire Service Casualties	125	237	362

Fire Service Injuries

360

Fire Service Deaths

2

### Civilian Fire Casualty Summary

Civilian Fire Casualties	Grand Total
Civilian Fire Injuries	144
Civilian Fire Deaths	69
Total Civilian Fire Casualties	213

Civilian Fire Injuries

144

Civilian Fire Deaths

69

**Note:** The numbers in the summary tables represent all incidents (total responses) reported to the National Fire Incident Reporting System (NFIRS) and include all Aid Given or Received incidents and all fire exposure incidents.



# Ask the Experts



## QUESTION:

*Dear DSPS Fire Prevention Email Tech Box,  
I am looking for where we can obtain more fire inspection forms. Thank you.*

## ANSWER:

*Dear Fire Department, all orders for State Fire Inspection Forms must now be submitted on online through **Wisconsin Document Sales**.*

*Also, any & all Fire Prevention/Fire Safety/ Public Education Reports/Forms/Documents that you order, are free and will be shipped to you at no cost within 2-3 days. The web address for Wisconsin Document Sales is <https://docsales.wi.gov/>*

*Thank You - DSPS Fire Prevention Email Tech Box*



# Ask the Experts



## QUESTION:

*Dear DSPS Fire Prevention Email Tech Box,*

*I am working with my Village, of course, budget numbers. Currently I have a training line item in my budget, they are requesting I pull that line item out completely and just use 2% dues for training. Is this a proper use of 2% due money? I read through the uses of the money and the way I read it is this is only for training related to fire inspections. Thank you for your assistance.*

## ANSWER:

*Dear Fire Department: Of course, anyway we can help. And you are correct, in accordance with WI s. 101.14, the training that is allowable to utilize your 2% Fire Dues Funding for is training of fire fighters and fire inspectors performing fire inspection, fire code enforcement, public fire prevention, fire safety education activities & duties. The training may include fees, memberships, lodging, books, wages, and travel as well. Please let us know if you have any further questions or concerns and if we may assist you & your Fire Department with anything else. I hope this helps, if not, please just let me know and I will assist you further.*

*Thank you - - DSPS Fire Prevention Email Tech Box*



# Ask the Experts



## QUESTION:

Good morning,

Looking for some assistance on an incident we had. Our department was dispatched to a structure fire. Upon arrival, we were told there was not a fire, but it was smoke in the home. Upon investigation, it was found that a curling iron was plugged in and rested on a handheld mirror with a plastic border. The heat from the curling iron had melted the plastic of the mirror and caused smoke but there were no flames. Prior to our arrival, a neighbor, ran into the house, unplugged the curling iron, and removed the items from the home. During this act, he suffered minor smoke inhalation and was evaluated but not transported.

We coded the incident as a **251-Excessive heat, scorch burns with no ignition** as there were no flames. When we do such, our RMS (ERS) does not let us enter in a civilian casualty. I looked at the NFIRS Grams and it appears that civilian casualty only gets imputed if there was a fire (100 series).

Can you confirm as such?

## ANSWER:

Good morning! That is correct you will only complete a casualty or injury module if there is a Fire, 100 series.





# Ask the Experts

## QUESTION:

*Good Morning!*

*I have a quick question for you, an incident where a train struck a car on the railroad tracks resulted in a car fire. Would it be an incident type of **324-Accident without injuries or 113- Passenger vehicle fire**? My training and gut tells me 324...*

*Have a great day!*

## Answer:

*Remember, you always code the fire, even when the fire was the result of another incident. Thus, you will need to write the incident report as a **131-Passenger vehicle fire**, and the Factors Contributing to the Ignition could include **51-Collision**.*

*Hope that helps!*



# Ask the Experts



## QUESTION:

*Hi! Can I get an explanation as to why on an Utility pole fire you would use a **112- fire in a structure, other than a building** versus a **162- Outside equipment fire**? Thanks*

## ANSWER:

*The reason a utility pole fire is a **112 – Structure fire not in a building** is because the definition specifically states that said pole is considered a structure. Think of it like “infrastructure”, like bridges, overpasses, train trestles, fences, etc., are. While it is a structure fire, there is only one question required of utility pole fires in the Structure Fire Module. Equipment fire is generally smaller and not considered a structure in and of itself.*

*I hope that answers your question!*



# Ask the Experts



## Question:

*Question for you regarding Aid as this is an odd one. Another fire/EMS department was handling the transport of a patient back to their home. That patient's home was within the city of Wausau (our jurisdiction, not theirs). Once they arrived on scene, they realized they needed our help lifting the patient, so we sent an engine over to assist. It's not aid given because it was within our jurisdiction, however, I'm not sure it's aid received either as we didn't call for them, they called for us.*

*Just wanted your opinion on it. We had a similar situation, but the transporting agency was Medevac, which is an EMS department only, not a fire department so in that case NFIRS says it's no aid because they are not a fire department.*

## Answer:

*What an interesting question! In this case, Wausau would be giving aid; it would be a **311-Medical Assist** for an incident type code with a **73-Provide Manpower** for an actions taken. The other department (not named) would be receiving aid with **34-Transport of person from scene in fire service ambulance or apparatus** for an actions taken.*



# Ask the Experts



*Question:*

*Good morning!*

*In reviewing my annual reporting to FEMA, I have found that I have two months where I have one more incident in the FEMA database than I have in my local records management system. I'm not sure how that happened, but I would like my numbers to be consistent in both places. Without reviewing 600 incident numbers, is there a way to reconcile this? Can someone there delete all the incidents from these two months so that I can export them again?*

*I'd appreciate any help you can provide! Thank you!*

*Answer:*

*Hi! Your State Program Manager can assist you with deleting incidents, however, she can help you generate reports in NFIRS Data Warehouse to understand where the discrepancy may lie.*

Please reach out to us with questions:

NFIRS questions - [dspsisnfirs@wisconsin.gov](mailto:dspsisnfirs@wisconsin.gov)

2% Fire Dues questions - [dspsbfiredues@wisconsin.gov](mailto:dspsbfiredues@wisconsin.gov)

Fire Prevention questions - [dspsbfireprevention@wisconsin.gov](mailto:dspsbfireprevention@wisconsin.gov)

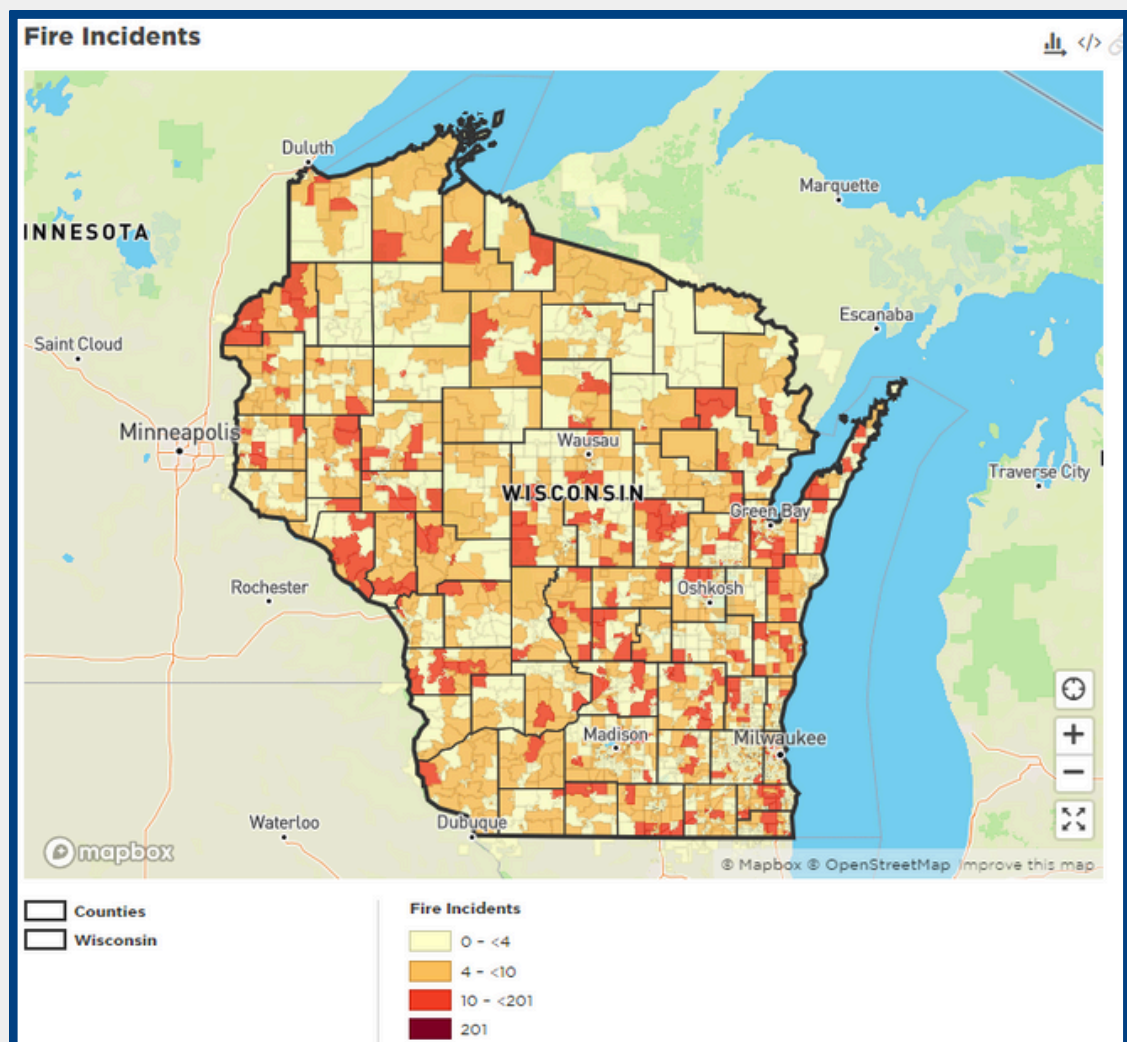


# What's New at DSPS Fire Prevention



## DSPS Offers Free Community Risk Reduction Tool to Departments

- DSPS offered Craig 1300 as a resource for Wisconsin Fire Departments and stakeholders as part of the department's Community Risk Reduction (CRR) initiative to provide quality data, improve local CRR efforts, and limit civilian and firefighter casualties. Powered by mySidewalk, CRAIG 1300 (which stands for Community Risk Assessment Insight Generator) is a CRR tool that helps make better sense of data through the application of NFPA 1300, Standard on Community Risk Assessment and CRR Plan Development. It helps departments aggregate and analyze publicly available data, identify community insights, and share CRR research and proposals with other stakeholders using eye-popping graphics, charts, and heat maps (see below). There is a free custom dashboard on the DSPS website with five CRR indicators and NFIRS data to support Wisconsin's public safety programs with data-driven CRR. Visit Wisconsin's free dashboard today! <https://dashboards.mysidewalk.com/wisconsincraig>





# What's New at DSPS Fire Prevention



**New Fire Coordinator for District 2 - Aaron Andre**

**New Section Chief for Fire Prevention/Safety and Health - April Hammond**

## **Fire Department Safety and Health program merges with Fire Prevention**

- The Fire Department Safety and Health Program merged with the Fire Prevention Program to become the FIRE PREVENTION / SAFETY & HEALTH program! This merger did not impact services provided by DSPS or program staff, but you will see the program webpages on the DSPS website have been consolidated to provide a one-stop shop! Check out the [combined program site](#).

## **Fire Prevention/Safety and Health Fall Training**

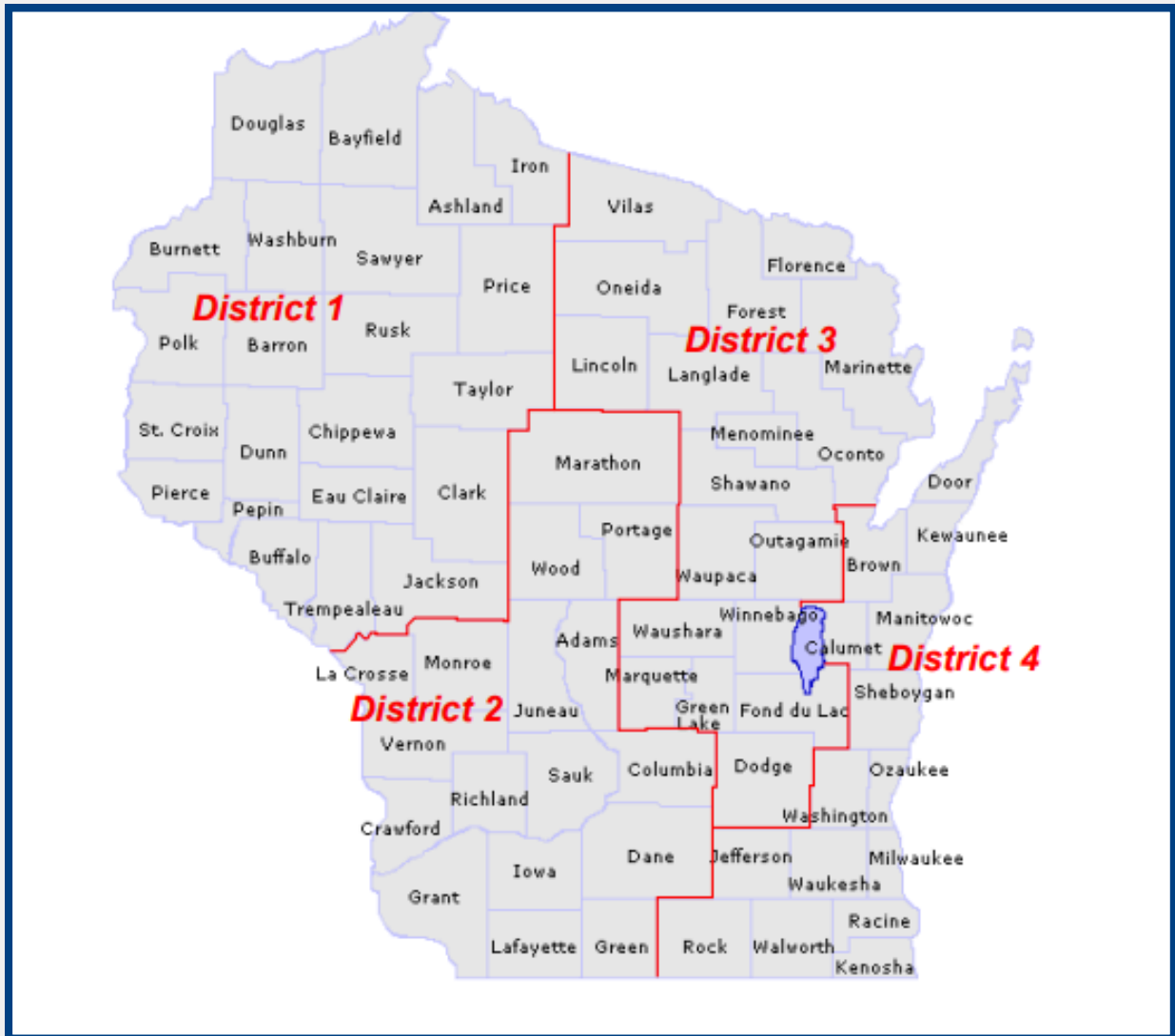
- In Fall of 2023, Fire Prevention/Safety and Health again offered free in-house and virtual trainings on the following subjects: EAP and PS, NERIS Overview, NFIRS Data Warehouse Quick Start Guide, WI Burning Overview, NFPA 1 and SPS 314, Public Education and CRR-CRAIG 1300. If you missed the trainings, all past presentations are available [on our website](#). Just click the "Presentations" dropdown.

## **Coming Soon**

- We are updating the Wisconsin Fire Service Guidebook. Look for that coming soon under the "Publications" dropdown on our webpage.
- We are working to make National Emergency Response Information System (NERIS) tools available to Wisconsin fire departments.



# DSPC Fire Prevention District Map





# DSPS Fire Prevention/Safety & Health Staff



Pictured left to right: April Hammond, Section Chief; Aaron Andre, District 2 Fire Coordinator; Rick Sommerfeld, District 1 Fire Coordinator; Sarah Brown, OPA and NFIRS Program Manager; Gary Peck, District 3 Fire Coordinator; and Steve Komar, District 4 Fire Coordinator.

## Fire Prevention Office Personnel



**April Hammond** is the DSPS Integrated Section Chief for the Fire Prevention/Safety and Health Program. She previously served as a DSPS Fire Prevention Coordinator and Occupational Safety Inspector from 2008-2023, working on several SPS code updates. April is an Assistant Fire Chief, works part-time as a Madison College Instructor, and volunteers as an Investigator in Dane County. She is also an advocate for Everyone Goes Home, founded by the National Fallen Firefighters Foundation. April has worked as a Municipal Judge, wildland firefighter, emergency dispatcher, EMT, and in law enforcement. She has degrees in criminal justice and holds several additional fire science credentials. April and her family also manage a Dane County farm. Contact her at (608) 225-6593 or by email at [April.Hammond@wisconsin.gov](mailto:April.Hammond@wisconsin.gov).



**Sarah Brown** has served as Operations Program Associate and NFIRS Program Manager for the last seven years. She has attended the National Fire Academy for NFIRS Program Manager and NFIRS Data Warehouse training, graduating at the top of her class. Sarah is also a Subject Matter Expert in the use of eSLA and the 2% Fire Dues Program, and she has authored this Wisconsin Fire Risk report since 2017. You will often see Sarah in the DSPS Fire Prevention booth at fire conventions and conferences. Sarah was born and raised in the Medford area and still lives there with her family. Sarah can be reached at (715) 634-4013 or by email at [Sarah2.Brown@wisconsin.gov](mailto:Sarah2.Brown@wisconsin.gov).



# DSPS Fire Prevention/Safety & Health Staff



## District 1



Rick Sommerfeld is the Fire Prevention Coordinator for District 1. He has been in the fire service for 36 years, currently as chief of his local volunteer fire department. Rick has also worked as an EMT for the past 34 years. He has completed Firefighter 1 and 2, Fire Inspector 1, Fire Officer, Rappelling, Extradition, Driver-Operator, Fire Investigation, Grain Bin Rescue, Open Water Diver, and many other trainings.

Rick also completed the NFA's NFIRS Program State Manager class. Contact Rick at (715) 944-4114 or at [Richard.Sommerfeld@wisconsin.gov](mailto:Richard.Sommerfeld@wisconsin.gov).

District 1, in northwestern Wisconsin, has 193 fire departments: 176 Volunteer, 13 Combination, and 4 Career departments. For 2022, District 1 recorded 35,598 incidents and 292 No Activity reports. Of those incidents, 35,189 were valid and 409 invalid. When we break down the calls, we see that Rescue/EMS had by far the highest counts at 23,499, with Fire calls following at 2,964.



### Casualty Summary

### Civilian 2022 Fire Service 2022

Fire related injuries	20	21
Non-fire related injuries	N/A	26
Fire related deaths	14	0
Non-fire related deaths	N/A	0

Inspectors in 2022	548
Public Buildings & Places of employment	26,744
Inspections conducted	34,636
Violations recorded	9,146
Violations corrected	5,592



# DSPS Fire Prevention/Safety & Health Staff



## District 2



Aaron Andre joined DSPS in September 2023 and is the Fire Prevention Coordinator for District 2. He has served 19 years on the Township of Cameron Volunteer Fire Department and has been the Fire Chief there since 2015. He has a great passion for fire prevention, earning multiple Community Risk Reduction certifications and becoming a Youth Fire-setting Prevention Specialist. He is also part of the Wood Co. Fire

Investigations Task Force. Aaron lives in the Marshfield Area with his family. He can be reached at (608) 400-3186 or by email at [aaron.andre@wisconsin.gov](mailto:aaron.andre@wisconsin.gov).

In District 2, in southwestern Wisconsin, there are 203 fire departments: 159 Volunteer, 34 Combination, 6 Career, and 4 Military departments. They reported a total of 96,043 incidents during 2022, with 94,494 being valid and 1,549 invalid. There were 146 No Activity reports. The greatest number of calls were recorded as Rescue/EMS calls at 65,366, with Good Intent calls following at 7,986.



### Casualty Summary      Civilian 2022      Fire Service 2022

<b>Fire related injuries</b>	<b>33</b>	<b>27</b>
<b>Non-fire related injuries</b>	<b>N/A</b>	<b>76</b>
<b>Fire related deaths</b>	<b>13</b>	<b>2</b>
<b>Non-fire related deaths</b>	<b>N/A</b>	<b>0</b>

<b>Inspectors in 2022</b>	<b>647</b>
<b>Public Buildings &amp; Places of employment</b>	<b>53,352</b>
<b>Inspections conducted</b>	<b>82,446</b>
<b>Violations recorded</b>	<b>28,342</b>
<b>Violations corrected</b>	<b>18,198</b>



# DSPS Fire Prevention/Safety & Health Staff



## District 3



Gary Peck, the Fire Coordinator in District 3, has spent 31 years in the fire service, including being a Full-Time Career Firefighter/Fire Officer for 24 years, with 14 years as a Fire Chief. Gary works part-time as an instructor at Moraine Park Technical College and has been a Wisconsin Emergency Medical Technician for 25 years. Gary is IFSAC certified as Firefighter I/II, Fire Officer IV, Fire Inspector III, Fire Instructor III,

Rescue Technician I/II, Hazmat Technician & Incident Commander, and he has completed the NFA's NFIRS Program State Manager class. In his free time, Gary enjoys spending time with family & friends and watching all our great Wisconsin sports teams. You can reach Gary at (608) 219-9470 or at [gary.peck@wisconsin.gov](mailto:gary.peck@wisconsin.gov).

District 3, in northeastern Wisconsin, has 216 fire departments: 183 Volunteer, 23 Combination, 7 Career, and 3 Federal/Military. In 2022, District 3 had 49,810 reported incidents, with 49,419 valid and 391 invalid, and 215 No Activity reports. District 3 had the fewest invalids of all 4 districts. The most reported incidents were EMS calls with 32,569, followed by 4,077 False Alarm and False Calls.



### Casualty Summary

	Civilian 2022	Fire Service 2022
Fire related injuries	30	17
Non-fire related injuries	N/A	31
Fire related deaths	8	0
Non-fire related deaths	N/A	0

Inspectors in 2022	731
Public Buildings & Places of employment	35,303
Inspections conducted	53,940
Violations recorded	18,798
Violations corrected	11,820



# DSPS Fire Prevention/Safety & Health Staff



## District 4



Steve Komar is the District 4 Fire Prevention Coordinator. He has worked most of his career in the Pewaukee and Waukesha fire departments as a firefighter, fire inspector, fire investigator and public education coordinator. Steve holds 5 Wisconsin licenses, 4 as an inspector in Commercial Buildings, UDC Construction, UDC HVAC, and Tank Systems. He is also a Wisconsin Emergency Medical Technician. Steve

also has a Fire Protection Technician degree. In his free time, he enjoys spending time with family, deer hunting at this cabin, ice fishing, and watching all of Wisconsin's sports teams. Steve can be reached at (608) 575-0179 or [Steven.Komar@wisconsin.gov](mailto:Steven.Komar@wisconsin.gov).

District 4, in central and southeastern Wisconsin, has 199 fire departments: 24 Career, 59 Combination, 111 Volunteer, 2 Federal, and 2 Private. District 4 had a total of 323,578 incidents in 2022, with 322,109 valid and 1,469 invalid, and 36 No Activity reports. The largest number of calls were for Rescue/EMS at 242,437, followed by False Calls with 21,994.



### Casualty Summary      Civilian 2022      Fire Service 2022

<b>Fire related injuries</b>	<b>33</b>	<b>58</b>
<b>Non-fire related injuries</b>	<b>N/A</b>	<b>104</b>
<b>Fire related deaths</b>	<b>18</b>	<b>0</b>
<b>Non-fire related deaths</b>	<b>N/A</b>	<b>0</b>

<b>Inspectors in 2022</b>	<b>1,692</b>
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<b>Public Buildings &amp; Places of employment</b>	<b>96,827</b>
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<b>Inspections conducted</b>	<b>142,621</b>
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<b>Violations recorded</b>	<b>72,521</b>
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<b>Violations corrected</b>	<b>55,671</b>
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**2022**

# **Fire Risk Report**



**Wisconsin Department of Safety and Professional Services**

**PO Box 7302**

**Madison, WI 53707-7302**

**Phone: (608) 266-2112**

**[www.dsps.wi.gov](http://www.dsps.wi.gov)**