WISCONSIN BURNING

2021



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INTRODUCTION

The Wisconsin Department of Safety and Professional Services Fire Prevention Program is pleased to present *Wisconsin Burning – 2021 report*. This report presents data on fire department incidents to help readers understand the Wisconsin fire situation and to help the fire service improve public safety services. This data is also used at the national level to help identify challenges facing the fire service and understand what resources are needed to meet those challenges. The incident data for *Wisconsin Burning – 2021* was collected from fire department submissions in the National Fire Incident Reporting Systems (NFIRS) and the statistical information on fire departments was collected from fire chief submissions into eSLA during 2% Fire Dues Self-Certification. In 2021, Wisconsin had 813 active fire departments, of which 802 were required to report data to the NFIRS database (11 departments are not required per their status being Federal/State/Military/Private).

Incident reporting provides essential information about fires, their causes, and consequences, as well as descriptive data about many other types of emergency services that fire departments provide. This data can help communities improve their fire protection systems while helping fire departments improve service delivery. Also, as we track data across the years, we can identify trends and determine how the fire problem in Wisconsin is changing.

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 in Wisconsin.

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STATISICS DISCLAIMER

As you read through *Wisconsin Burning – 2021*, you may question some of the numbers reported. The data in this report contains information that was supplied by our Wisconsin fire departments. Incident information submitted does not always translate into usable data once it enters NFIRS. 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 the fire departments' role in Wisconsin communities, this report contains information on all reported response types. Developing incident response data for a fire department can help determine the use of limited resources and budget dollars. When we look at the data submitted using the "OTHER" incident type (100, 200, 300, etc.) sometimes we see fluctuation from year to year. When reporting incidents, we need to be more specific and not overuse the "OTHER" category i.e., 100-Fire, other; 200-Overpressure, other.

Incident Type	100	200	300	400	500	600	700	800	900
2021	829	57	14,040	363	1,312	2,118	4,454	245	482
2020	727	32	14,927	344	1,168	2,104	4,524	59	415
2019	666	39	15,596	423	1,328	2,104	4,871	200	498

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.

FIRE DEPARTMENT STATISTICS

FDID's in Wisconsin for 2021	813
FDID's that reported incidents to NFIRS in 2021	789
FDID's not reporting incidents to NFIRS in 2021 (11 departments aren't required to report)	24
Career Firefighters in Wisconsin	4,728
Unpaid Volunteer Firefighters in Wisconsin	8,249
Paid Volunteer Firefighters in Wisconsin	12,751
Non-Firefighter Staff in all Departments	6,845
Career Fire Departments	41
Combination Fire Departments	125
Volunteer Fire Departments	634
Federal/State/Military Fire Departments	9
Private Fire Brigades	2



WHAT'S NEW WITH NFIRS

- 1. You can reset your own user account if you forgot your password: NFIRS Login
- Reminder that once incidents are submitted to the NFIRS National Database, your FD data is ready for your use and analysis in the NFIRS Data Warehouse. For access, please contact your State Program Manager.
- 3. <u>Automated Data Quality Reports</u>. This service automatically sends to the state program manager. FDs can run these by themselves, anytime, if they use USFA reporting tools.
- 4. Reminder to keep your Fire Department Registry information up to date: <u>National Fire Department Registry (fema.gov).</u>
- 5. Helpful resources:
 - NFIRS Grams: NFIRS Coding Help (fema.gov)
 - Training videos and Self-study classes: <u>NFIRS Training (fema.gov)</u>
 - Complete Reference Guide (all fields and codes in the system):
 https://www.usfa.fema.gov/downloads/pdf/nfirs/NFIRS Complete Reference Guide 20

 15.pdf
 - Coding Questions Guide:
 https://www.usfa.fema.gov/downloads/pdf/nfirs/NFIRS Coding Questions 2016.pdf
- 6. <u>NFIRS National Study Reports</u>. NFIRS data and publications are available analyzing the scope of the fire problem in the United States: https://www.usfa.fema.gov/statistics/reports/
- 7. NFIRS COVID-19 Special Study Dashboard. Reports on U.S. fire departments participating in the NFIRS COVID-19 Special Study: https://www.usfa.fema.gov/a-z/covid-19/



NFIRS Reporting - Invalids

When completing a NFIRS incident report there is a minimum amount of data that must be entered into the NFIRS system for the incident to be deemed a valid incident. Warning and Critical errors will occur 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 reported and depending on if the question is

Incident Summary:
Valid imports: 22
Invalid imports: 0
Deleted Incidents 5
Import failures: 3
TOTAL Processed: 30

a "Required" question or if it is 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. As you can see in the following charts, work is needed to get invalid incidents under control.

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 be looking at the **Zip File** that is emailed to you after NFIRS has completed your import. Invalids will show at the bottom under the **Incident Summary**.

If you would like assistance with Invalids, contact your Fire Coordinator or Sarah Brown.

	2021 Top 10 Invalid Reasons	2020 Top 10 Invalid Reasons	
1.	Apparatus type is required	Clear Time cannot be later than Last Unit Clear Time (Apparatus Module)	
2.	Street or Highway is required	2. Street or Highway is required	
3.	Action taken is required	3. Fire Service Fatalities is required	
4.	Property Use is required	4. Fire Service Injuries is required	
5.	Incident Type is required	5. Action Taken is required	
6.	State is required	6. Age of Person Must be Greater than Zero	
7.	City is required	7. Age of Person Not Allowed	
8.	Clear Time cannot be later than Last Unit Clear Time (Apparatus Module)	8. Arrival Date is required	
9.	Non-Fire Service Fatalities is required	9. Non-Fire Service Injuries is required	
10	Non-Fire Service Injuries is required	10. Non-Fire Service Fatalities is required	

NFIRS Incident Code Guide

100 Series 200 Series (Overpressure Explosion, Overheat - No Fire) (Fire) (11) Structure fire (21) Overpressure rupture from steam (no ensuing fire) (111) Building Fire (211) Overpressure rupture of steam pipe or pipeline (112) Fires in structures other than in a building (212) Overpressure rupture of steam boiler (113) Cooking fire, confined to container (213) Steam rupture of pressure or process vessel (114) Chimney or flue fire, confined to chimney or flue (22) Overpressure rupture from air or gas - no fire (115) Incinerator overload or malfunction, fire confined (221) Overpressure rupture of air or gas pipe/pipeline (116) Fuel burner/boiler malfunction, fire confined (222) Overpressure rupture of boiler from air or gas (117) Commercial compactor fire, confined to rubbish (223) Air or gas rupture or pressure or process vessel (118) Trash, or rubbish fire in a structure, no flame damage (23) Overpressure rupture, chemical reaction - no fire (12) Fire in mobile property used as fixed structure (231) Chemical reaction rupture of pressure or process vessel (121) Fire in mobile home used as a fixed residence (24) Explosion (no fire) (122) Fire in motor home, camper, recreational vehicle (241) Munitions or bomb explosions (no fire) (123) Fire in portable building, fixed location (242) Blasting agent explosion (no fire) (13) Mobile property (vehicle) fire (243) Fireworks explosion (no fire), all classes of fireworks (131) Passenger vehicle fire (25) Excessive heat, scorch burns with no ignition (132) Road freight or transport vehicle fire (251) Excessive heat, scorch burns with no ignition (133) Rail vehicle fire (134) Water vehicle fire (135) Aircraft vehicle fire 300 Series (136) Self-propelled motor home or recreational vehicle fire (137) Camper or recreational vehicle fire (Rescue & EMS Incidents) (138) Off-road vehicle or heavy equipment fire (14) Natural vegetation fire (31) Medical assist (141) Forest, woods, or wildland fire (311) Medical assist, assist EMS crew (142) Brush, or brush and grass mixture fire (32) Emergency medical service (EMS) incident (143) Grass fire, includes fire confined to area (321) EMS call, excluding vehicle accident with injury (15) Outside rubbish fire (322) Vehicle accident with injuries (151) Outside rubbish, trash, or waste fire (323) Motor vehicle/pedestrian accident (MV Ped) (152) Garbage dump or sanitary landfill fire (324) Motor vehicle accident with no injuries (153) Construction or demolition landfill fire (33) Lock-in (154) Dumpster or other outside trash receptacle fire (331) Lock-in, includes vehicles (if lock-out, use 511) (155) Outside stationary compactor/compacted trash fire (34) Search for lost person (16) Special outside fire (341) Search for person on land (161) Outside storage fire on residential or commercial/industrial (342) Search for person in water (343) Search for person underground (162) Outside equipment fire (35) Extrication, rescue (163) Outside gas or vapor combustion explosion (351) Extrication of victim(s) from building/structure (164) Outside mailbox fire (352) Extrication of victim(s) from vehicle (17) Cultivated vegetation, crop fire (353) Removal of victim(s) from stalled elevator (171) Cultivated grain or crop fire (354) Trench/below grade rescue (172) Cultivated orchard or vineyard fire (355) Confined space rescue (173) Cultivated trees or nursery stock fire (356) High angle rescue (357) Extrication of victim(s) from machinery (36) Water or ice-related rescue Wisconsin Department of Safety and Professional Services (361) Swimming/recreational water areas rescue **Division of Industry Services** (362) Ice rescue Fire Prevention Program (363) Swift water rescue 4822 Madison Yards Way PO Box 7302 (364) Surf rescue Madison, WI 53707-7302 (365) Watercraft rescue (37) Electrical rescue (371) Electrocution or potential electrocution All Incident Type Codes are part of the National Fire Incident Reporting System standard. (372) Trapped by power lines Table format was developed by Heather N. Bostic, December 2011. WV State Fire Marshall's Office, Public Education Division (38) Rescue or EMS standby (381) Rescue or EMS standby; hazardous conditions

400 Series (Hazardous Conditions – No Fire)

(41) Combustible/flammable spills & leaks

(411) Gasoline or other flammable liquid spill, Class I

(412) Gas leak (natural gas or LPG)

(413) Oil or other combustible liquid spill, Class II or III

(42) Chemical release, reaction, or toxic condition

(421) Chemical hazard (no spill or leak)

(422) Chemical spill or leak

(423) Refrigeration leak

(424) Carbon monoxide incident

(43) Radioactive condition

(431) Radiation leak, radioactive material

(44) Electrical wiring/equipment problem

(441) Heat from short circuit (wiring), defective/worn insulation

(442) Overheated motor or wiring

(443) Breakdown of light ballast

(444) Power line down

(445) Arcing, shorted electrical equipment

(45) Biological hazard

(451) Biological hazard, confirmed or suspected

(46) Accident, potential accident

(461) Building or structure weakened or collapsed

(462) Aircraft standby

(463) Vehicle accident, general cleanup

(47) Explosive, bomb removal

(471) Explosive, bomb removal (for bomb scare, use 721)

(48) Attempted burning, illegal action

(481) Attempt to burn

(482) Threat to burn

500 Series (Service Call)

(51) Person in distress

(511) Lock-out

(512) Ring or jewelry removal, no transport to hospital

(52) Water problem

(521) Water (not people) evaluation

(522) Water or steam leak, includes open hydrants

(53) Smoke problem

(531) Smoke or odor removal

(54) Animal problem or rescue

(541) Animal problem

(542) Animal rescue

(55) Public service assistance

(551) Assist police or other governmental agency

(552) Police matter

(553) Public service, not government agencies

(554) Assist invalid

(555) Defective elevator, no occupants

(56) Unauthorized burning

(561) Unauthorized burning

(57) Cover assignment, standby at fire station, move-up

(571) Cover assignment, standby, move-up

600 Series (Good Intent Calls)

(61) Dispatched and canceled en route

(611) Dispatched and canceled en route

(62) Wrong location, no emergency found

(621) Wrong location

(622) No incident found at dispatch address

(63) Controlled burning

(631) Authorized controlled burning

(632) Prescribed fire (with prior written, approved fire plan)

(64) Vicinity Alarm

(641) Vicinity alarm (incident in other location)

(65) Steam, other gas mistaken for smoke

(651) Smoke scare, odor of smoke, not steam

(652) Steam, vapor, fog or dust thought to be smoke

(653) Smoke from barbeque, tar kettle (not hostile fire)

(66) EMS call where party has been transported

(661) EMS call, party transported by non-fire agency

(67) Hazmat release investigation w/no hazmat

(671) Hazmat release investigation w/no hazmat found

(672) Biological hazard, none found

700 Series (False Alarms and False Calls)

(71) Malicious, mischievous false alarm

(711) Municipal alarm system, malicious false alarm

(712) Direct tie to FD, malicious/false alarm

(713) Telephone, malicious false alarm

(714) Central station, malicious false alarm (715) Local alarm system, malicious false alarm

(72) Bomb scare

(721) Bomb scare - no bomb

(73) System or detector malfunction

(731) Sprinkler activation due to system malfunction or failure

(732) Extinguishing system activation due to malfunction

(733) Smoke detector activation due to malfunction

(734) Heat detector activation due to malfunction (735) Alarm system activation due to malfunction

(736) CO detector activation due to malfunction

(74) Unintentional system/detector operation - no fire

(741) Sprinkler activation, no fire – unintentional

(742) Extinguishing system activation

(743) Smoke detector activation, no fire – unintentional

(744) Detector activation, no fire - unintentional

(745) Alarm system activation, no fire – unintentional

(746) Carbon monoxide detector activation, no CO

(75) Biological hazard

(751) Biological hazard, malicious false report

800 Series (Severe Weather and Natural Disaster)

(81) Severe Weather & Natural Disaster

(811) Earthquake assessment, not rescue/other service

(812) Flood assessment, not water rescue

(813) Windstorm, tornado/hurricane assessment

(814) Lightning strike (no fire), includes investigation

(815) Severe weather or natural disaster standby

900 Series (Special Incident Type)

(91) Citizen complaint

(911) Citizen complaint, includes code violations

INCIDENT REPORTING

Wisconsin Burning – 2021 contains information on the total number of incidents reported by participating fire departments. In 2021, a total of 789 fire departments reported incident data to NFIRS. 14 fire departments failed to enter a single report in 2021. Another 11 fire departments are not required to report to NFIRS because they are Federal/State/Military department or a Private fire brigade.

For 2021, SPS 314 had the following requirements under 314.01(11) (a) 1. For each fire, a record shall be compiled by a fire department serving the municipality in which the fire occurred and NFPA 1 (2012) had the following requirements under 1.11.3.2, "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 to report can disqualify a department from receiving grants and may also disqualify members from attending training at the National Fire Academy.

To report the 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 (Firehouse, Fire Programs, Emergency Reporting, ProPhoenix, etc.)



Summary by Incident Type

100 - Fire (Fire)

According to NFIRS 2021 had a reported 18,269 fire incidents in Wisconsin.

Fire by Incident Type & Code	Mutual Aid None	Mutual Aid Given	Mutual Aid Received	Other Aid Given	Exposures	Total Incidents
Year	2021	2021	2021	2021	2021	2021
Building Fires (110-118, 120-123)	3,189	4,856	1,468	51	78	9,642
Vehicle Fire (130-138)	2,102	298	225	19	25	2,669
Other Fires (100, 140-173)	4,020	1,232	644	50	12	5,958

200 – Overpressure Rupture, Explosion, Overheat (Exp)

There was a total of 702 calls related to the 200 series.

300 - Rescue and Emergency Medical Service Incident (EMS)



Rescue and EMS incidents accounted for 321,715 calls in 2021. Per the norm, EMS lands at the top with the most calls of all the incident types.

400 – Hazardous Calls (Hazard)

The number of Hazardous calls slightly increased to 14,748 incidents in 2021 from the numbers reported in 2020.

500 – Service Calls (Service) Wisconsin fire departments had 24,475 service calls in 2021.



Top 5 types of Service Calls for 2021:

1. Assist Invalid: 7,386

2. Public Service: 2,804

3. Police Matter: 2,121

4. Public Service Assistance, other: 1,837

5. Smoke or odor removal: 1,761

600 - Good Intent Calls (Assist)

There was a total of 29,159 calls recorded in the 600 series. The number one reason went to Dispatched & Canceled en route—14,315 and the second reason was No Incident found at dispatch address—3,653.

700 - False Calls

Incident Type and Code	Mutual Aid None	Mutual Aid Given	Mutual Aid Received	Other Aid Given	Total False Calls
Year	2021	2021	2021	2021	2021
Malicious Call (710-715, 751)	1,410	15	50	12	1,487
All other False Calls (700, 721-746)	25,849	596	906	103	27,454

800 – Severe Weather and Natural Disaster (Weather)

Wisconsin reported 987 Severe Weather Calls in 2021. The majority (348) of the Severe Weather calls were for Windstorm, Tornado/Hurricane.



900 - Special Incident Type (Other)

	2021
Special type of incident, other	447
Citizen complaint	437

Fires Over the Years

A reoccurring question that is asked of the Fire Prevention Program is "How have the numbers of fires compared over the years?" There are so many different scenarios that we could run looking at fires, so we narrowed it down by Incident Type. We found that Building fires have been fluctuating since 2019, between 6,500 and 7,300 fires. Wisconsin's total for Building fires in 2021 was 7,229. That's up 700 fires from 2020.

Passenger vehicle fires again came in second for 2021, with decreased numbers from 2020. 2019 had 2,013 passenger vehicle fires, 2020 had 1,881 and 2021 had 1,742. Brush fires and Grass fires came in third and fourth with 1,192 and 1,083, respectively.

Cooking Fires contained to a container have continues to decrease from 2018 to 2021. 2021 had 1,121 compared to 2020 which had 1,181 cooking fires.

In the incident category Outside Rubbish fires, outside rubbish, trash, or waste fires were the most reported from 2018–2020. These numbers stayed consistent in 2016 to 2019, but in 2020 we saw a spike of almost 1,000 fires. Thankfully in 2021 this number is coming back down. 2021 had a total of 659 Outside Rubbish fires.

Wisconsin had a spike in Grass fires in 2018 with 1,113 and then a sharp decrease down to 694 grass fires in 2019. In 2020 Grass fires increased to 768 and even higher in 2021 with 1,083.

If you would like a more complete look at all the incidents reported in Wisconsin, please click the link below.





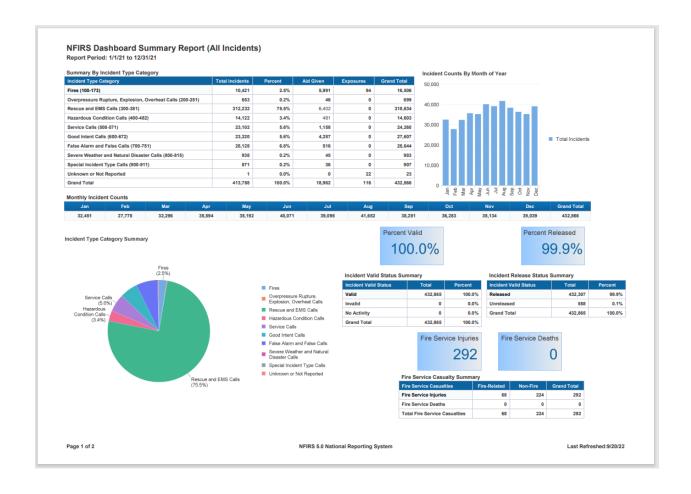
<u>Fire Causes - Fire Module - Structure</u>

Fire Causes – Fire Module Report Period 1/1/2021 to 12/31/2021

	New Cause	Fir	es	Civilian	Deaths	Civilian	Injuries	Firefight	er Deaths	Firefighte	r Injuries	Property	Loss	Contents	Loss
Code	Description	#	%	#	%	#	%	#	%	#	%	#	%	#	%
01	Intentional	142	3.91%	3	10.71%	15	11.81%	0	_	0	0.00%	2,711,263	1.97%	1,232,400	1.49%
02	Playing with Heat Source	17	0.47%	0	0.00%	1	0.79%	0	-	0	0.00%	631,547	0.46%	260,807	0.32%
03	Smoking	133	3.66%	1	3.57%	4	3.15%	0		3	5.66%	2,801,851	2.03%	996,027	1.21%
04	Heating	189	5.20%	0	0.00%	11	8.66%	0	_	2	3.77%	3,048,384	2.21%	2,398,016	2.91%
05	Cooking	496	13.66%	3	10.71%	19	14.96%	0	_	0	0.00%	2,122,122	1.54%	1,084,846	1.31%
06	Electrical Malfunction	293	8.07%	1	3.57%	8	6.30%	0	_	4	7.55%	8,576,096	6.22%	5,164,481	6.26%
07	Appliances	129	3.55%	0	0.00%	5	3.94%	0	-	3	5.66%	2,619,520	1.90%	1,379,952	1.67%
08	Open Flame	298	8.20%	1	3.57%	6	4.72%	0	-	3	5.66%	7,332,098	5.31%	2,566,548	3.11%
09	Other Heat	180	4.96%	0	0.00%	3	2.36%	0	_	2	3.77%	7,970,985	5.78%	5,040,912	6.11%
10	Other Equipment	35	0.96%	0	0.00%	1	0.79%	0	_	1	1.89%	1,683,200	1.22%	525,100	0.64%
11	Natural	159	4.38%	0	0.00%	10	7.87%	0	_	1	1.89%	8,159,253	5.91%	3,026,484	3.67%
12	Exposure	82	2.26%	0	0.00%	0	0.00%	0	-	2	5.66%	2,712,000	3.27%	2,611,000	3.16%
13	Unknown	700	19.27%	14	50.00%	20	15.75%	0	_	16	30.19%	51,846,608	37.58%	35,980,857	43.61%
14	Equipment Misoperation, Failure	171	4.71%	0	0.00%	6	4.72%	0	_	2	3.77%	6,618,352	4.80%	4,822,308	5.85%
15	Other Unintentional, Careless	581	16.00%	4	14.29%	17	13.39%	0	_	11	20.75%	25,851,604	18.74%	14,195,135	17.21%
16	Investigation with Arson Mod.	27	0.74%	1	3.57%	1	0.79%	0	_	2	3.77%	1,469,700	1.07%	1,215,800	1.47%
	Grand Total	3,632	100.00%	28	100.00%	127	100.00%	0	-	52	100.00%	136,154,583	100.00%	82,500,673	100.00%



NFIRS Dashboard Summary Report (Valid Incidents Only)





Structure Fires by Property Use

Structure Fires By Property Use Report Period: 1/1/21 to 12/31/21

Boundary Town	Fire	es	Fire Fight	ter Deaths	Fire Fight	er Injuries	Civilian	Deaths	Civilian	Injuries	Propert	y Loss
Property Type	#	%	#	%	#	%	#	%	#	%	#	%
Dwellings	2,084	64.06%	0	0.00%	36	81.82%	25	92.59%	84	71.19%	64,958,77 9	73.19%
Apartments	823	25.30%	0	0.00%	6	13.64%	2	7.41%	25	21.19%	16,356,48 5	18.43%
Mobile Homes	44	1.35%	0	0.00%	0	0.00%	0	0.00%	1	0.85%	388,700	0.44%
Hotels, Motels	54	1.66%	0	0.00%	0	0.00%	0	0.00%	2	1.69%	620,103	0.70%
Other Residential	248	7.62%	0	0.00%	2	4.55%	0	0.00%	6	5.08%	6,427,046	7.24%
Total Residential	3,253	100.00%	0	0.00%	44	100.00%	27	100.00%	118	100.00%	88,751,11 3	100.00%
D. H. A		44.040/		0.000/		10.070/	- 4	100 000/		0.000/	0.040.405	10.150/
Public Assembly	51	11.94%	0	0.00%	1	16.67%	1	100.00%	0	0.00%	2,042,135	16.15%
Eating, Drinking	116	27.17%	0	0.00%	2	33.33%	0	0.00%	1	20.00%	5,910,767	46.73%
Education	22	5.15%	0	0.00%	0	0.00%	0	0.00%	2	40.00%	106,555	0.84%
Institution	85	19.91%	0	0.00%	0	0.00%	0	0.00%	1	20.00%	446,232	3.53%
Stores, Offices	153	35.83%	0	0.00%	3	50.00%	0	0.00%	1	20.00%	4,141,906	32.75%
Total Public, Merc	427	100.00%	0	0.00%	6	100.00%	1	100.00%	5	100.00%	12,647,59 5	100.00%
Basic Industry	109	11.39%	0	0.00%	0	0.00%	0	0.00%	2	25.00%	11,072,25 1	31.85%
Manufacturing	158	16.51%	0	0.00%	3	21.43%	0	0.00%	2	25.00%	5,259,293	15.13%
Residential Garage	143	14.94%	0	0.00%	2	14.29%	0	0.00%	0	0.00%	3,727,270	10.72%
Storage	375	39.18%	0	0.00%	7	50.00%	0	0.00%	4	50.00%	13,808,47 9	39.72%
Construction	2	0.21%	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Non-Billing Structures	170	17.76%	0	0.00%	2	14.29%	1	100.00%	0	0.00%	900,152	2.59%
Total Industry, etc	957	100.00%	0	0.00%	14	100.00%	1	100.00%	8	100.00%	34,767,44 5	100.00%

Page 4 of 4 NFIRS 5.0 National Reporting System Last Refreshed:9/20/22



NFIRS ASSISTANCE TO FIREFIGHTERS GRANT SUMMARY

Wisconsin Fire Departments Awarded \$1.7 Million for Training, Equipment

Several fire departments in Wisconsin, including a few in the south-central region, received more than \$1.7 million to fund new training programs and equipment.

The grants go directly to fire departments and EMS groups that are not affiliated with a hospital, explained Rep. Ron Kind (D- La Crosse). The grants will help increase the effectiveness of these first responders' services.

"Our firefighters and first responders are true heroes, working tirelessly to keep Wisconsin communities safe and healthy," Kind said. "I'm glad to announce this critical funding to help support our local fire departments and make sure firefighters have the resources they need to stay safe while on the job."

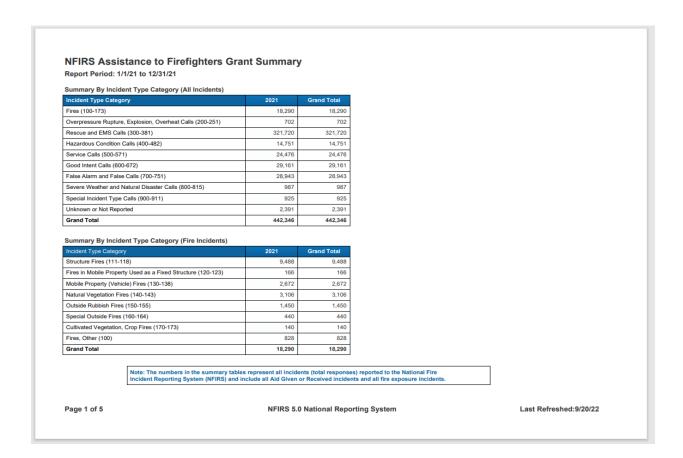
Here is the full list of awardees:

- City of Mondovi \$319,783
- Village of Montfort \$107,142
- City of Boscobel \$362,191
- Bloomington \$30,952
- City of Lancaster \$14,204
- Cassville \$47,560
- Genoa Harmony Fire Department \$183,809
- City of La Crosse \$259,854
- Whitehall Volunteer Fire Department \$6,786
- Farmington Town Hall \$138,876.19
- Township of Liberty \$39,714.29
- Town of Campbell \$131,523.81
- Blue River \$74,775.24

The funds are available from the U.S. Department of Homeland Security's Assistance to Firefighters Grant (AFG) program.

Published: Sep. 3, 2021, at 9:41 PM CDT | Updated: Sep. 3, 2021, at 9:48 PM CDT By Juliana Tornabene, WMTV, Madison, WI

The NFIRS Assistance to Firefighters Grant Summary reports are available to Fire Departments in the Data Warehouse. If you would like assistance with this report, contact Sarah Brown. For more information regarding your fire department receiving grant money check out this article from the USFA. How Simple it is for your FD to get Grant Money



NFIRS Assistance to Firefighters Grant Summary

Report Period: 1/1/21 to 12/31/21

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

Total Across Surrice Cultimary Symicacine Type Galogery (1 no moracine)								
Incident Type Category	2021	Grand Total						
Structure Fires (111-118)	71	71						
Fires in Mobile Property Used as a Fixed Structure (120-123)	4	4						
Mobile Property (Vehicle) Fires (130-138)	24	24						
Natural Vegetation Fires (140-143)	7,240	7,240						
Outside Rubbish Fires (150-155)	6	6						
Special Outside Fires (160-164)	19	19						
Cultivated Vegetation, Crop Fires (170-173)	298	298						
Fires, Other (100)	12	12						
Grand Total	7,675	7,675						

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	2021	Grand Total
Structure Fires (111-118)	459	459
Fires in Mobile Property Used as a Fixed Structure (120-123)	11	11
Mobile Property (Vehicle) Fires (130-138)	240	240
Natural Vegetation Fires (140-143)	704	704
Outside Rubbish Fires (150-155)	110	110
Special Outside Fires (160-164)	56	56
Cultivated Vegetation, Crop Fires (170-173)	28	28
Fires, Other (100)	41	41
Grand Total	1,649	1,649

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.

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NFIRS 5.0 National Reporting System

Last Refreshed:9/20/22

NFIRS Assistance to Firefighters Grant Summary

Report Period: 1/1/21 to 12/31/21

Summary By Incident Type Category (EMS Incidents)

Incident Type Category	2021	Grand Total
Medical Assist Calls (311)	30,177	30,177
Emergency Medical Service Incidents (320-324)	273,303	273,303
Lock-In Calls (331)	223	223
Search for Lost Person Calls (340-343)	551	551
Extrication, Rescue Calls (350-357)	1,637	1,637
Water and Ice-Related Rescue Calls (360-365)	576	576
Electrical Rescue Calls (370-372)	31	31
Rescue or EMS Standby Calls (381)	1,181	1,181
Rescue and EMS Incidents, Other (300)	14,041	14,041
Grand Total	321,720	321,720

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

Incident Type Category	2021	Grand Total
Motor Vehicle Accident Calls (322-324)	22,734	22,734
Extrication from Vehicle Calls (352)	594	594
Rescue Calls (300, 350-351, 353-357, 360-365, 370-372, 381)	16,872	16,872
Rescue and EMS Incidents, (All Other EMS Calls)	281,520	281,520
Grand Total	321,720	321,720

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

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NFIRS 5.0 National Reporting System

Last Refreshed:9/20/22

NFIRS Assistance to Firefighters Grant Summary

Report Period: 1/1/21 to 12/31/21

Summary By Aid Given or Received (All Incidents)

Aid Given or Received Type	2021	Grand Total
Mutual Aid Received (1)	5,692	5,692
Automatic Aid Received (2)	5,560	5,560
Mutual Aid Given (3)	13,684	13,684
Automatic Aid Given (4)	8,906	8,906
Other Aid Given (5)	2,764	2,764
No Aid Given or Received (N)	405,740	405,740
Grand Total	442,346	442,346

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

Aid Given or Received Type	2021	Grand Total
Mutual Aid Received (1)	943	943
Automatic Aid Received (2)	572	572
Mutual Aid Given (3)	3,746	3,746
Automatic Aid Given (4)	1,115	1,115
Other Aid Given (5)	51	51
No Aid Given or Received (N)	3,227	3,227
Grand Total	9,654	9,654

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.

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NFIRS 5.0 National Reporting System

Last Refreshed:9/20/22

NFIRS Assistance to Firefighters Grant Summary

Report Period: 1/1/21 to 12/31/21

Fire Service Casualty Summary

Fire Service Casualties	Fire-Related	Non-Fire	Grand Total
Fire Service Injuries	79	232	311
Fire Service Deaths	2	0	2
Total Fire Service Casualties	81	232	313

Fire Service Injuries 311



Civilian Fire Casualty Summary

Civilian Fire Casualties	Grand Total
Civilian Fire Injuries	159
Civilian Fire Deaths	42
Total Civilian Fire Casualities	201

Civilian Fire Injuries 159



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.

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NFIRS 5.0 National Reporting System

Last Refreshed:9/20/22

WHAT'S NEW WITH DSPS FIRE PREVENTION PROGRAM?

Fall Training

DSPS Fire Prevention provided training sessions to Wisconsin Fire Service in the fall of 2021. Those sessions included training on Fire Inspections, Code Interpretation, NFIRS Fire Chief duties and SPS 330. We had such a great response from everyone, that we decided to continue the training sessions in the Fall of 2022. This year the sessions will be about NFIRS Import Failures/Invalids, Member Assistance and Fire Hero Learning Network, Documentation Anything and Everything, Safety and Health Committee, Health and Safety Officer, and Incident Safety Officer and Inspector Authority-Limitations/Pre-Planning. Check out our website for training dates, times and how to get registered. Click here to get started: DSPS Fire Prevention Website. We are offering an in-person or online via Microsoft Teams (no download required all web based through your browser) option. If you are unable to attend training when we are in your district you can always register for a different session. If you have questions, contact Sarah Brown or your fire prevention coordinator.



DSPS STAFF

Fire Prevention Office Personnel



Bradley Johnson, P.E., serves as Section Chief with the Department of Safety and Professional Services where he is involved in evaluating, improving, and implementing the business model and mission for all programs with specific emphasis in the Fire Prevention and POWTS Programs. He has been employed by the State of Wisconsin for 29 years and with DSPS for 23 of those years. Brad was previously employed by the Wisconsin Department of Natural Resources and the Wisconsin Department of Commerce.

Brad has served 23 years in the fire service as a part-time firefighter, rising to the rank of Division Chief of Fire Prevention. He graduated from the University of Wisconsin-Madison with a Bachelor of Science Degree in Civil and Environmental Engineering and is registered as a Professional Engineer in the state of Wisconsin. Brad can be reached at (920) 492-5605 or via email at Bradley.Johnson@wisconsin.gov.

Sarah Brown has served as the Operations Program Associate and NFIRS Program Manager for the Department of Safety and Professional Services Fire Prevention Program for the past six years. In that time, she has been to the National Fire Academy for NFIRS Program Manager training and for NFIRS Data Warehouse training. Graduating both times at the top of her class. Sarah is also a subject matter expert in our eSLA database, the 2% Fire Dues Program and has authored the Wisconsin Burning report since 2017. You will always see Sarah in the DSPS Fire Prevention booth at many of Wisconsin's fire conventions and conferences. Sarah was born and raised in the



Medford area, where she and her husband Matt reside with their three children. Sarah can be reached at (715) 634-4013 or by email at Sarah2.Brown@wisconsin.gov.

Rick Sommerfeld currently serves as the District 1 Fire Prevention Coordinator. Rick has been very active in the fire service for past 35 years serving in many roles and is currently the fire chief of his local volunteer fire department. Rick has also worked as an EMT for his local volunteer ambulance service for the past 33 years. He has completed Firefighter 1 and 2, Fire Inspector 1, Fire Officer, Rappelling, Extrication, Driver-Operator, Fire Investigation, Grain Bin Rescue, Open Water Diver and many other fire and EMS trainings. Rick also completed the National Fire Academy's NFIRS Program State Manager class. In his spare time



Rick likes to hunt, camp and fish with his four daughters. If you need to contact Rick, he is available by email at <u>Richard.Sommerfeld@wisconsin.gov</u> or by phone at (715) 944-4114.



District 1 Statistics

District 1, which is in northwestern Wisconsin, currently has 193 fire departments comprised of 176 Volunteer, 13 Combination and 4 Career fire departments. For 2021, District 1 recorded 33,996 incidents. Of those, 33,488 were valid incidents and 508 invalids. District 1 had the lowest number of invalids of all 4 districts—Congratulations District 1! When we break down the calls, we see that Rescue/EMS had by far the highest counts at 23,109. Fire calls followed behind with 3,073. In District 1, the most frequent types of fire calls were Structure fires with a total of 1,428.

Casualty Summary	Civilian 2021	Fire Service 2021
Fire related injuries	24	13
Non-fire related injuries	6	18
Fire related deaths	12	1
Non-fire related deaths	1	0



Number of Fire Inspectors for 2021	607
Number of Public Buildings & Places of Employment	27,525
Number of Inspections Conducted	33,652
Number of Violations Recorded	10,049
Number of Violations Corrected	7,592





April Hammond currently serves as the District 2 Fire Prevention Coordinator. April has served as partner and advocate for Everyone Goes Home, a program founded by the National Fallen Firefighters Foundation, since 2020. April previously worked as an Occupational Safety Inspector for DSPS and served as a subject matter expert throughout the SPS 330-Firefighter Safety and Health code update process. She worked closely with stakeholders, committee members, and agency representatives during the process. April has served in the fire service as a volunteer firefighter for over 21 years and she is



currently serving as her local fire department's Assistant Chief. April works part-time for Madison College as a Fire Service Instructor and serves as a Municipal Judge for her community. She has previously worked as a wildland firefighter, emergency dispatcher, EMT, and in law enforcement. April's educational background is in criminal justice and fire science. April lives in Dane County with her husband and two daughters, where they also help manage her family farm. April can be reached at (608) 225-6593 or by email at April.Hammond@wisconsin.gov.

District 2 Statistics

In southwestern Wisconsin, we currently have 203 fire departments. District 2 has 160 Volunteer, 33 Combination, 6 Career and 4 Military fire departments within its boundaries. They reported a total of 90,990 incidents during 2021. 89,983 were valid and 1,007 were invalid. The greatest number of calls were recorded as Rescue/EMS calls (62,168). Good Intent calls followed up behind with 7,698. The most frequent types of fire calls were Structure fires at 2,306. Total Fire Dollar loss in 2021 was \$70,767,507.00, an increase from 2020.

Casualty Summary	Civilian 2021	Fire Service 2021
Fire related injuries	36	19
Non-fire related injuries	51	91
Fire related deaths	13	0
Non-fire related deaths	10	0



Number of Fire Inspectors for 2021	646
Number of Public Buildings & Places of Employment	53,365
Number of Inspections Conducted	74,237
Number of Violations Recorded	24,913
Number of Violations Corrected	16,095





Gary Peck is the Fire Prevention Coordinator for District 3. Gary has been very active in the fire service for the past 30 years, serving in many roles in the Military/Federal Service, including as a Full-Time/Career Firefighter/Fire Officer for 24 years—14 of those years as a Fire Chief. He was also our District 4 Fire Prevention Coordinator from March 2018 – September 2019. Gary works part-time for Moraine Park Technical College as a Fire Emergency Services Instructor. He has also been a Wisconsin Emergency Medical Technician for the last 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 has also completed many other classes and training activities at the state and national levels. Gary also completed the National Fire Academy's NFIRS Program State Manager class. In his free time, he enjoys spending time with family and friends and watching Wisconsin's sports teams. Gary can be reached at (608) 219-9470 or by email gary.peck@wisconsin.gov.



District 3 Statistics

District 3 is in northeastern Wisconsin, and they have 218 fire departments–188 Volunteer, 20 Combination, 7 Career and 3 Federal/Military fire departments. During 2021 District 3 had 76,893 reported incidents. 76,126 were valid and 767 were invalid. The most incidents reported were EMS calls (52,590) followed up by Good Intent Calls (5,811). In District 3, fire calls were in 6th place (3,913). Total fire dollar loss for District 3 was \$70,953,515.00. The fire dollar loss had an increase from what was reported in 2020, which was calculated to be \$44,911,977.00.

Casualty Summary	Civilian 2020	Fire Service 2020
Fire related injuries	43	25
Non-fire related injuries	68	131
Fire related deaths	18	0
Non-fire related deaths	19	0



Number of Fire Inspectors for 2021	734
Number of Public Buildings & Places of Employment	35,536
Number of Inspections Conducted	51,018
Number of Violations Recorded	17,204
Number of Violations Corrected	10,892

Steve Komar currently serves as Fire Prevention Coordinator in District 4. He has worked most of his career in the Pewaukee and Waukesha fire departments as firefighter, fire inspector, fire investigator and public education coordinator. Steve holds 5 Wisconsin state licenses, 4 of them as an inspector in Commercial Buildings, UDC Construction, UDC HVAC, and Tank Systems, and he is also a Wisconsin Emergency Medical Technician. Steve has an Associate Degree in Fire Protection Technician. He has also completed multiple classes and training activities at the state and national levels. In his free time he enjoys spending time with family,



deer hunting at his cabin, ice fishing and watching Wisconsin's sports teams. Steve can be reached at (608) 575-0179 or Steven.Komar@wisconsin.gov.

District 4 Statistics



District 4 is in central to southeastern Wisconsin. There are 198 fire departments in the district, including 24 Career, 59 Combination, 111 Volunteer, and 2 Federal fire departments. There are also 2 Private fire brigades. District 4 had a total of 238,083 incidents and 4,827 invalid incidents in 2021. The largest number of calls were for Rescue/EMS 183,862. False Calls came in 2nd place with 14,933. District 4 had a total of 6,782 fires. Most reported were Structure fires (3,710). Total fire dollar loss for District 4 was \$91,257,443.00, a decrease from 2020 of just over \$15 million.

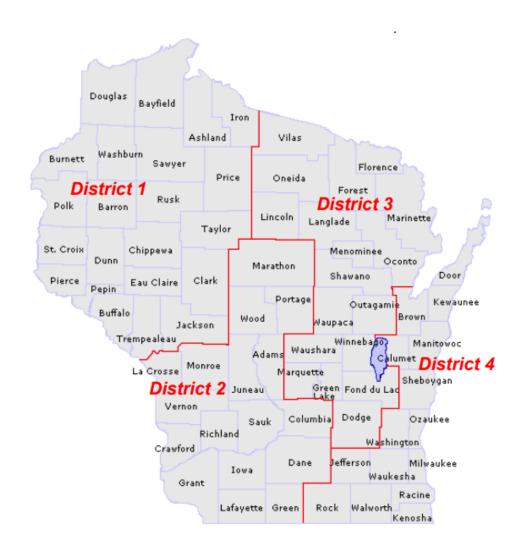
Casualty Summary	Civilian 2020	Fire Service 2020
Fire related injuries	53	51
Non-fire related injuries	21	362
Fire related deaths	11	0
Non-fire related deaths	4	0



Number of Fire Inspectors for 2021	1630
Number of Public Buildings & Places of Employment	102,088
Number of Inspections Conducted	145,375
Number of Violations Recorded	61,447
Number of Violations Corrected	46,491



FIRE PREVENTION DISTRICT MAP



1 – Rick Sommerfeld	richard.sommerfeld@wisconsin.gov	715-944-4114
2 – April Hammond	April.hammond@wisconsin.gov	608-225-6593
3 – Gary Peck	gary.peck@wisconsin.gov	608-219-9470
4 – Steven Komar	steven.komar@wisconsin.gov	608-575-0179
Fire Dues and NFIRS – Sarah Brown	Sarah2.brown@wisconsin.gov	715-634-4013
Supervisor - Brad Johnson	bradley.johnson@wisconsin.gov	920-492-5605

FIRE DEPARTMENT TRAINING PICTURES





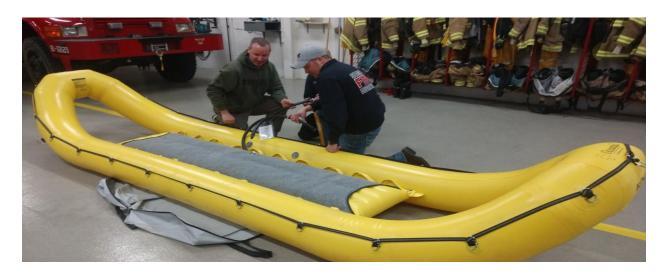


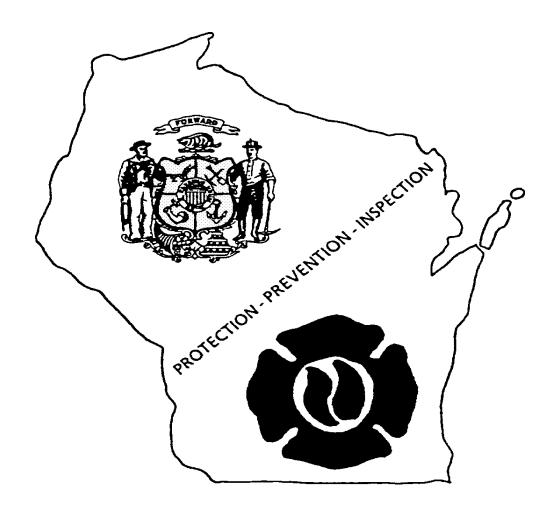












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