



The image shows the rear of a fire truck with a red and yellow chevron pattern. The word 'TRUCK' and the number '71' are visible on the back panel. An American flag is mounted on the ladder above. A teal circle is overlaid on the left side of the image, containing the text 'Response Data'.

Response Data

Fire Response Data

National Standards

Fire departments nationally look to the NFPA standards when developing and delivering fire and emergency services. These standards cover everything from our uniforms to fire engines and aerial ladder trucks. The standards also prescribe how we should be organized, what resources we should have available, and how to deploy those resources. NFPA 1710, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments, for example, provides guidance on how many firefighters, fire engines, and ladder trucks should respond to fires and how fast they should get there to be the most effective and safest.

About the NFPA, by the NFPA

The National Fire Protection Association (NFPA) is a global self-funded nonprofit organization, established in 1896, devoted to eliminating death, injury, property and economic loss due to fire, electrical and related hazards.

NFPA delivers information and knowledge through more than 300 consensus codes and standards, research, training, education, outreach and advocacy; and by partnering with others who share an interest in furthering our mission. Our mission is to help save lives and reduce loss with information, knowledge and passion.

The NFPA standards development process encourages public participation in the development of its standards. All NFPA standards are revised and updated every three to five years, in revision cycles that begin twice each year. Normally a standard's cycle takes approximately two years to complete. Each revision cycle proceeds according to a published schedule, which includes final dates for each stage in the standards development process. The four fundamental steps in the NFPA standards development process are: Public Input, Public Comment, NFPA Technical Meeting (Tech Session), and Standards Council Action (Appeals and Issuance of Standard).

GFES Incident Responses 2018 - 5 Minute response standard met as % of Calls, by hour of day

		Hour of Day																							
		12AM	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	12PM	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM
FIRE ENGINE	31	33%	22%	18%	19%	40%	31%	17%	58%	59%	73%	75%	57%	57%	54%	73%	58%	65%	55%	64%	63%	48%	37%	40%	42%
	71	29%	29%	19%	20%	11%	40%	35%	65%	60%	68%	57%	71%	60%	54%	54%	55%	53%	64%	51%	51%	41%	44%	53%	23%
	72	53%	33%	37%	22%	32%	39%	47%	52%	54%	54%	66%	56%	61%	63%	57%	63%	59%	65%	54%	55%	59%	54%	49%	50%
	73	31%	36%	17%	36%	30%	16%	41%	54%	58%	59%	51%	59%	67%	72%	65%	58%	58%	65%	62%	61%	61%	58%	46%	60%
	74	31%	25%	19%	25%	17%	25%	21%	39%	50%	55%	50%	59%	59%	56%	57%	50%	50%	43%	46%	49%	48%	35%	35%	33%
	75	32%	21%	52%	34%	23%	30%	33%	33%	51%	49%	37%	53%	52%	39%	45%	36%	45%	39%	43%	45%	50%	46%	39%	33%
	76	0%	20%	8%	0%	25%	0%	40%	23%	19%	32%	27%	52%	29%	24%	27%	43%	24%	13%	27%	18%	40%	0%	7%	55%

Legend:

- Green: Response Standard Met
- Red: Response Standard Not Met

FMA = Fire Management Area, a geographic region served by a fire station

The Gresham Progress Board established a response-time performance standard for the fire department: "to arrive on scene within 5 minutes or less on 90% of all incidents."

In the above chart, each block represents the response time for each fire engine during each hour of the day. The NFPA response time standards are guidelines aimed to reduce fire deaths and property loss. Nationwide, more than a third of the 50 most populous U.S. cities are unable to meet these standards due to the complex factors that are at play in response times--including the hiring of more firefighters, relocation of stations, or construction of additional stations.

While at the current time, Gresham Fire does not meet national standards for response times, our safety record is exemplary, and in 2018, we prevented property loss of \$147,374,856. In addition, Gresham Fire recently implemented the Quick Response Vehicle program that frees up heavy engines from medical emergency calls and in the long-term is expected to aid with response times. We are dedicated to continuing to improve our response standard as best we can with the resources available. Through our Emergency Services Master Plan development, we will make recommendations about strategic investments that could assist Gresham Fire to continue to improve our service delivery.

Structure Fires in 2018 Compliance with NFPA Response Standards - 1st Unit Arrival in 4 minutes, and full firefighting force within 8 minutes

	Hour of Day																							
	12 AM	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM
1st Unit in 4 minutes	100%	67%	50%	0%	100%	33%	67%	67%	100%	43%	67%	86%	67%	75%	50%	45%	38%	44%	50%	50%	75%	20%	67%	29%
Full firefighting force in 8 minutes	50%	100%	50%	100%	0%	67%	0%	100%	100%	50%	33%	50%	33%	75%	50%	44%	29%	57%	83%	80%	25%	0%	40%	50%

Legend:

- Green: Response Standard Met
- Red: Response Standard Not Met

The National Fire Protection Association (NFPA) sets performance standards for Fire Departments

NFPA 1710 5.2.4.1 Initial Arriving Company - "The fire department's fire suppression resources shall be deployed to provide the arrival of an engine company within a 240-second travel time to 90 percent of the incidents."

NFPA 1710 5.2.4.2 Initial Full Alarm Assignment Capability - "The fire department shall have the capability to deploy an initial full alarm assignment within a 480-second travel time to 90 percent of the incidents."



Photo courtesy of Greg Muhr

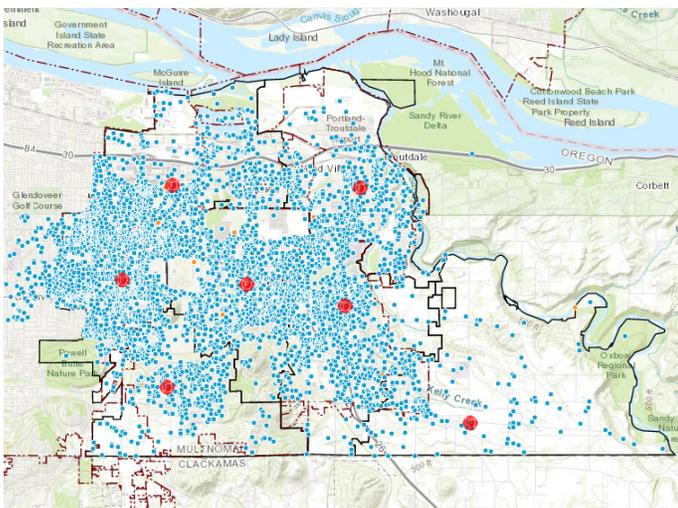
GFES Primary Unit Responses by Type- 2018 Medical Responses

Primary Responding Unit	Med	Non	Total
Command 7	1	5	6
Engine 31	2,670	572	3,242
Engine 71	2,044	450	2,494
Engine 72	2,180	377	2,557
Engine 73	1,102	197	1,299
Engine 74	2,184	532	2,716
Engine 75	1,214	285	1,499
Engine 76	461	131	592
Truck 71	1,116	118	1,234
Rescue 31	2,079	75	2,154
Rescue 74	1,087	41	1,128
Brush Unit 76	-	1	1
Hazmat 3	-	6	6
Heavy Rescue 71	8	6	14
Water Rescue 75	-	4	4
	16,146	2,800	18,946

Represents all responses including those outside of GFES primary service area.

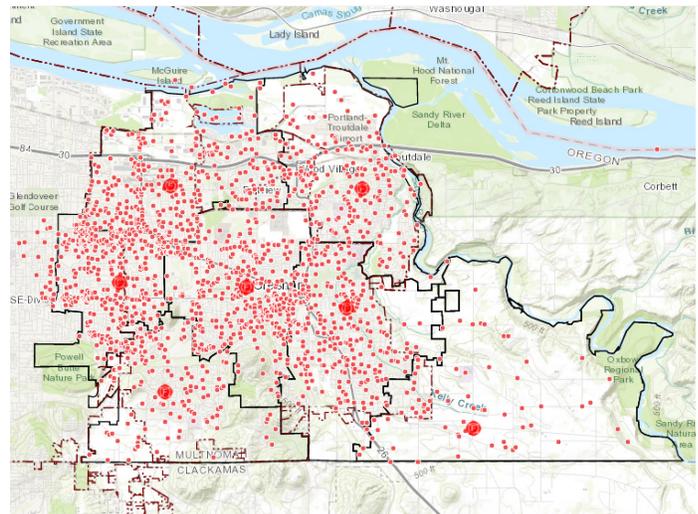
Total Response Area

Gresham Fire - Medical Incidents 2018



15,114 Incidents

Gresham Fire - Non Medical Incidents 2018



2,132 Incidents

GFES Unit Availability 2018

Hour of Day

	12 AM	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM
Main Units:																								
Command 7	99%	99%	99%	99%	100%	99%	99%	97%	98%	96%	96%	97%	97%	96%	96%	95%	97%	96%	95%	96%	96%	98%	95%	96%
Engine 31	95%	94%	92%	96%	95%	96%	94%	88%	89%	88%	84%	90%	86%	89%	87%	87%	87%	84%	86%	87%	88%	87%	88%	89%
Engine 71	93%	92%	94%	95%	95%	94%	95%	92%	90%	91%	89%	89%	91%	91%	91%	89%	91%	89%	88%	89%	89%	91%	91%	91%
Engine 72	96%	94%	92%	94%	96%	94%	94%	95%	95%	91%	90%	88%	90%	88%	89%	88%	89%	89%	87%	88%	88%	89%	90%	94%
Engine 73	96%	97%	97%	97%	98%	97%	97%	96%	96%	93%	94%	94%	92%	93%	95%	91%	92%	91%	92%	92%	94%	87%	94%	94%
Engine 74	91%	94%	93%	95%	95%	95%	94%	93%	93%	90%	89%	90%	90%	89%	89%	89%	88%	88%	89%	88%	88%	91%	91%	83%
Engine 75	96%	97%	96%	96%	97%	97%	95%	95%	93%	94%	93%	95%	94%	93%	94%	93%	92%	95%	93%	95%	93%	95%	94%	94%
Engine 76	98%	99%	98%	99%	99%	99%	99%	99%	97%	96%	96%	95%	97%	96%	95%	98%	96%	96%	93%	91%	96%	98%	97%	99%
Truck 71	98%	97%	97%	98%	98%	97%	96%	95%	95%	93%	93%	93%	92%	94%	92%	91%	94%	93%	93%	92%	94%	94%	94%	94%
Rescue 31	96%	95%	97%	97%	97%	97%	97%	96%	95%	94%	90%	90%	89%	91%	89%	87%	90%	88%	90%	89%	92%	90%	92%	91%
Rescue 74	99%	99%	99%	99%	99%	99%	99%	97%	96%	94%	94%	95%	95%	96%	95%	96%	94%	94%	95%	98%	98%	98%	99%	99%
Specialty Units:																								
Brush Unit 76	100%	100%	100%	100%	100%	100%	85%	100%	97%	100%	100%	100%	100%	92%	100%	100%	66%	99%	100%	100%	100%	100%	100%	99%
Hazmat 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%	100%	100%	100%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Heavy Rescue 71	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Water Rescue 75	100%	100%	100%	100%	100%	100%	100%	100%	99%	100%	100%	99%	99%	100%	100%	100%	100%	100%	100%	99%	100%	100%	100%	100%

Legend:

- Green: Meets Response Availability Standard
- Red: Does not meet Response Availability Standard
- Yellow: Low Availability, but meets Standard

Specialty Units: these units are not staffed full-time, but are staffed on demand by on-duty personnel as the need arises

Brush Unit 76: A four-wheel drive truck with a water tank and tools for fighting brush fires

Hazmat 3: A truck that transports staff and equipment to hazardous materials incidents

Heavy Rescue 71: A truck that transports staff and equipment to technical rescue incidents and urban search and rescue incidents

Water Rescue 75: A swift water rescue boat for rescue incidents on the Sandy and Columbia Rivers

Unit Availability is the percent of time that a response unit is not engaged in firefighting or EMS incidents, and is thus available to respond to incoming calls for service. The standard for Unit Availability is that a responding unit is available to respond to an incoming call 90 percent of the time.