

Snohomish County Fire District 7

2012 Annual Alarm Statistical Report



Annual Report

In 2005 the Washington state legislature adopted House Bill 1756 in which a predominantly career fire department would be required to provide an annual written report on response times. The bill was later codified as Chapter 52.33 of the Revised Code of Washington.

This report is provided to meet the requirements of that legislation. Prepared in 2013 this report provides the data required for 2012 reporting period. Improvements to data systems provide a more accurate time stamp than in years past. However some time stamps can be inaccurate when transmissions of data fail. We also have limited time stamps for certain units responding that only show the closest full minute instead of seconds. This mostly affects second due apparatus and multiple equipment responses.

Mission Statement

Dedicated to maintaining a state of readiness, to protect our community through rapid emergency intervention

Vision

To provide a professional service delivery system that exceeds our customer's expectations and to have a rewarding and equitable workplace that recognizes each member's ability to contribute to the mission of the organization

Value Statement

Committed to continuous Improvement with Integrity while working together as a team.

Alarm Report

The following represents alarm totals for the District. You will notice that some of the years had substantial increases while others decreased. When averaged annually for 10 years, the district has seen a 2.2% increase in alarm activity each year. Three consecutive years showed a decrease in alarm activity with no reasonable explanation. It is estimated that the District population has grown 5% annually in the past 10 years but call volume has shown no relationship to population increase.

YEAR	ALARMS	Average per day	% Change
2002	4441	12.2	+3.9%
2003	4789	13.1	+7.8%
2004	4895	13.4	+2.0%
2005	4773	13.0	-2.5%
2006	5664	15.5	+18.6%
2007	5285	14.5	-6.7%
2008	5144	14.1	-2.7%
2009	5012	13.7	-2.6%
2010	4775	13.1	-4.7%
2011	4881	13.4	+1.0%
2012	5402	14.8	+ 10.7%
10 Year Average 21.6% Increase - (2.2% increase annually)			

Any questions of the contents of this report should be directed to Assistant Chief Eric Andrews
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SERVICE CRITERIA

Turnout time: (The time from receipt of alarm to the time the fire apparatus leaves the fire Station) each fire stations goal turnout time is 90 seconds or less for each call but criteria has been established that acknowledges time needs for dependent on the type of incident responding to.

This criteria is available only for the first unit that responds after dispatch. Other units responding to the same call will have taken longer than the first unit responding. CAD system does not track seconds for other units.

First Arrival Travel Time: (The time measured from the first movement of the apparatus until arrival at the given incident location). The average first arrival response time goal is shown in each category (Highlighted). The incident type is taken into consideration as to the expected response time. Larger fire apparatus will normally take longer than EMS type apparatus.

This criteria is based on the entry into the computer aided dispatch system by MDT and/or dispatchers when voice transmissions are used. The time criteria is posted in seconds for the first arriving unit.

Full Assignment Response Time: (The time measured from the first movement of a responding apparatus until the last assigned unit arrives at the scene). The fire district has established this time period shall be 720 seconds (12 minutes) 90% of the time. The average full response time goal being 600 seconds (10.0 minutes.) A full response shall include the arrival of a minimum of 13 firefighting personnel.

This criteria is based on the entry into the computer aided dispatch system by MDT or dispatcher. While the data has some inaccuracy it is the best indicator available to the district at this time.

The following charts show the times as they are available to this agency and indicate our best attempt at accuracy. It should also be noted that the only alarms analyzed and shown were the alarms within Fire District 7 and alarms that were categorized emergency response. No mutual aid calls or non emergency response calls were included in the following time charts.

Structure Fire			
TURN OUT TIME	22 Responses		
(= or <) 90 seconds	7	31.8%	
91 to 120 seconds	12	54.6%	86.4%
121 to 150 seconds	3	13.6%	100%
150 to 180 seconds	0	0%	
> 180 seconds	0	0%	
Average Turn Out Time	1 minute, 37 seconds		
First Arrival – Structure Fire			
ARRIVAL TIME	22 Responses		
(= or <) 300 sec. (5 min)	12	54.6%	
301 to 360 sec. (6 min)	1	4.5%	59.1%
361 to 420 sec. (7 min)	5	22.7%	81.8%
421 to 480 sec. (8 min)	0	0%	81.8%
> 81 seconds	4	18.2%	100%
Average First Arrival	5 min 21 seconds		
Full Assignment Arrival – Structure Fire			
ARRIVAL TIME	7		
(=or<) 600 sec (10 min)	1	14.3%	
600 to 660 sec. (11min)	0	0%	14.3 %
661 to 720 sec (12 min)	1	14.3%	28.6%
721 to 780 sec. (13 min)	1	14.3%	42.9%
> 781 seconds	4	57.1%	100%
Average First Alarm	12 min 03 seconds		
WILDLAND FIRE INCIDENTS			
TURN OUT TIME	29 Responses		
(= or <) 90 seconds	14	48.3%	
91 to 120 seconds	8	27.6%	75.9%
121 to 150 seconds	5	17.2%	93.1%
150 to 180 seconds	0	0%	93.3%
> 180 seconds	2	6.9%	100%
Average Turn Out Time	1 minute, 33 seconds		
First Arrival – Wild land Fire			
ARRIVAL TIME	29 Responses		
(= or <) 300 sec. (5 min)	18	62.1%	79.3%
301 to 360 sec. (6 min)	5	17.2%	86.2%
361 to 420 sec. (7 min)	2	6.9%	93.1%
421 to 480 sec. (8 min)	2	6.9%	100%
> 481 seconds	2	6.9%	
Average WL Response	4 minutes 46 seconds		



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OTHER FIRE INCIDENTS			
TURN OUT TIME	110 Responses		
(= or <) 90 seconds	41	37.3%	
91 to 120 seconds	36	32.7%	70.0%
121 to 150 seconds	24	21.8%	91.8%
150 to 180 seconds	6	5.5%	97.3%
> 180 seconds	3	2.7%	100%
Average Turn Out Time	1 minute, 46 seconds		

ARRIVAL TIME	110 Responses		
(= or <) 300 sec. (5 min)	69	62.7%	
301 to 360 sec. (6 min)	13	11.8%	74.5%
361 to 420 sec. (7 min)	7	6.4%	80.9%
421 to 480 sec. (8 min)	6	5.5%	86.4%
> 481 seconds	15	13.6%	100%
Average Arrival time	5 min 06 seconds		

EMS INCIDENTS

TURN OUT TIME	3168 Responses		
(= or <) 90 seconds	2038	64.3%	
91 to 120 seconds	673	21.2%	85.5%
121 to 150 seconds	287	4.3%	89.8%
150 to 180 seconds	106	3.7%	93.5%
> 180 seconds	64	6.4%	100%
Average Turn Out Time	1 min 23 seconds		

First Arrival BLS Time			
RESPONSE TIME	1512 Responses		
(= or <) 300 sec. (5 min)	1104	73.0%	
301 to 360 sec. (6 min)	141	9.3%	82.3%
361 to 420 sec. (7 min)	94	6.2%	88.5%
421 to 480 sec. (8 min)	55	3.7%	92.2%
> 481 seconds	117	7.8%	100%
Average BLS Response	4 min 44 Seconds		

First Arrival ALS Time			
RESPONSE TIME	961 Responses		
(= or <) 300 sec. (5 min)	720	74.9%	
301 to 360 sec. (6 min)	84	7.3%	82.2%
361 to 420 sec. (7 min)	45	4.1%	86.3%
421 to 480 sec. (8 min)	34	5.7%	92.0%
> 481 seconds	78	8.0%	100%
Average ALS Response	4 min 02 seconds		

Hazardous Materials Tech Level			
RESPONSE TIME	0 Responses		
(= or <) 300 sec. (5 min)	0	100%	
301 to 360 sec. (6 min)	0	0%	100%
361 to 420 sec. (7 min)	0	0%	100%
421 to 480 sec. (8 min)	0	0%	100%
> 481 seconds	0	0%	100%
Average Resp. Time	0 min 00 seconds		

Technical Rescue Tech Level			
RESPONSE TIME	0 Responses		
(= or <) 300 sec. (5 min)	0	0%	
301 to 360 sec. (6 min)	0	0%	100%
361 to 420 sec. (7 min)	0	0%	100%
421 to 480 sec. (8 min)	0	0%	100%
> 481 seconds	0	0%	100%
Average Resp. Time	0 min 00 seconds		

Deficiencies

Only travel response time for EMS calls BLS and ALS were successful at meeting established goals. All other incident types show deficiency in travel time. All categories show deficiency in turnout times as well. Average response times show a fairly positive step in meeting times however when you compare with actual benchmarks and time separation the times do not look as favorable.

The District has worked with employees in meeting expected turnout times with some improvement but meeting our established goal of 90 seconds has proven more difficult. The Travel times are not as easily addressed. Travel is established by location and traffic and road conditions. Our firefighters are tasked with knowing the best route but vehicle speed is not stressed as an important factor. A safe speed with the most direct route ensuring defensive driving techniques is our best policy in ensuring quickest possible response.

It will be our intent and recommendation that the District address the standards and assure that we should continue with current standards and if so how to address the standards or to establish new standards that are more in line with current capabilities of the District.

Closing: This is the seventh Annual report is in response to Chapter 52.33 of the Revised Code of Washington which requires a reporting made available to the public. This report is the best representation of the required reporting contents. We are continuing to work on more accurate information to be used the time reporting intent of the legislation. Newer computer aided dispatching software (CAD) is hoped to provide more accurate information for all responding apparatus.