Snohomish County
FIRE DISTRICT 7
Earning Trust Through Action

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 2017 this report provides the data required for 2016 reporting period. Sometime 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.

Vision
A trusted leader serving the community with a commitment to innovation and improvement.

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 1.65% increase in alarm activity each year.

Year	Alarms	Avg. per Day	% Change
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%
2013	5608	15.4	+3.8%
2014	5574	15.3	-0.61%
2015	5941	16.3	+6.58%
2016	6735		+11.79
16.56% increase over 10 years (average 1.65% increase annually)			

Service Criteria
Turnout Time - the time from receipt of alarm to the time the fire apparatus leaves the fire station. Each fire station's goal turnout time is 90 seconds or less for each call, but criteria has been established for time needed dependent on the type of incident.

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 expected first arrival response time goal is based off of incident type. Larger fire apparatus will normally take longer than EMS type apparatus.

This data is captured by computer aided dispatch system by MDT and/or dispatchers when voice transmissions are used.

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 690 seconds (11 minutes and 30 seconds) 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.

Deficiencies

There were two primary factors that impacted the 2016 call data.

1. The merger of Snohomish County Fire District 7 and Snohomish County Fire District 3
2. The implementation of new software

Snohomish County Fire District 3 merged into Fire District 7 on October 1, 2016. The call data for this report does not reflect the added call data from Fire District 3.

In October 2015 the new computer aided dispatch software was placed in service. The new software dispatches closest unit available to an incident, which could be a mutual aid unit. With the implementation of the new software it was found that agencies are unable to extract mutual aid apparatus data to capture if additional units arrived on scene prior to Fire District 7. The turnout times displayed in this report only reflect Fire District 7's responding apparatus. Consequently, this can alter the response time data. They are currently working to resolve the issue.

Key

B - Benchmark

TPB – Total Percentage of Benchmark

Type	Benchmark	Deficient
STRUCTURE FIRE		
First Fire Unit Arrival	62%	38%
WILDLAND FIRE		
First Fire Unit Arrival	53%	47%
OTHER FIRE		
Turnout Time	83%	17%
First Fire Unit Arrival	61%	39%
EMS INCIDENTS		
BLS Unit Arrival	73%	27%

The response time data shows a mix of improvements and deficiencies. Due to a smaller percentage of fire incident calls, a single response time can impact the data negatively. Furthermore, the EMS calls which make up the vast number of alarms see less swings in times.

STRUCTURE FIRE	153 Alarms		
Turn Out Time	Alarms	B	TPB
(+or<) 90 sec	50	33%	
91 to 120 sec	63	41%	74%
121 to 132 sec	15	10%	84%
133 to 144 sec	8	5%	89%
> **144 sec**	17	11%	100%
Avg. Turn Out Time	112.5 Seconds		

STRUCTURE FIRE	153 Alarms		
Response Time First Arrival	Alarms	B	TPB
(+or<) 300 sec	72	47%	
301 to 345 sec	9	6%	53%
346 to 390 sec	14	9%	62%
391 to 435 sec	8	5%	67%
> **436 sec**	50	33%	100%
Avg. Response Time	318.9 Seconds		

STRUCTURE FIRE FULL ASSIGNMENT	7 Alarms		
Response Time Full Assignment	Alarms	B	TPB
(+or<) 600 sec	1	14%	
601 to 645 sec	0	0%	14%
646 to 690 sec	0	0%	14%
691 to 735 sec	1	14%	28%
> **736 sec**	5	72%	100%
Avg. Response Time	931.86 Seconds		

WILDLAND FIRE	20 Alarms		
Turn Out Time	Alarms	B	TPB
(+or<) 90 sec	9	45%	
91 to 120 sec	2	13%	58%
121 to 132 sec	1	2%	60%
133 to 144 sec	1	5%	65%
> **144 sec**	7	35%	100%
Avg. Turn Out Time	133.6 Seconds		

WILDLAND FIRE	20 Alarms		
Response Time First Arrival	Alarms	B	TPB
(+or<) 300 sec	6	31%	
301 to 345 sec	1	6%	37%

346 to 390 sec	3	16%	53%
391 to 435 sec	2	9%	62%
> **436 sec**	8	38%	100%
Avg. Response Time	843.7 Seconds		

OTHER FIRE	335 Alarms		
Turn Out Time	Alarms	B	TPB
(+or<) 90 sec	117	35%	
91 to 120 sec	127	38%	73%
121 to 132 sec	34	10%	83%
133 to 144 sec	23	7%	90%
> **144 sec**	34	10%	100%
Avg. Turn Out Time	109.8 Seconds		

OTHER FIRE	335 Alarms		
Response Time First Arrival	Alarms	B	TPB
(+or<) 300 sec	127	38%	
301 to 345 sec	40	12%	50%
346 to 390 sec	37	11%	61%
391 to 435 sec	37	11%	72%
> **436 sec**	94	28%	100%
Avg. Response Time	343.2 Seconds		

EMS INCIDENTS	5456 Alarms		
Turn Out Time	Alarms	B	TPB
(+or<) 90 sec	3601	66%	
91 to 120 sec	1091	20%	86%
121 to 132 sec	218	4%	90%
133 to 144 sec	164	3%	93%
> **144 sec**	382	7%	100%
Avg. Turn Out Time	84.8 Seconds		

BLS INCIDENTS	3405 Alarms		
Response Time First Arrival	Alarms	B	TPB
(+or<) 300 sec	1737	51%	
301 to 345 sec	409	12%	63%
346 to 390 sec	340	10%	73%
391 to 435 sec	238	7%	80%
> **436 sec**	681	20%	100%
Avg. Response Time	313.4 Seconds		

ALS INCIDENTS	2051 Alarms		
Response Time First Arrival	Alarms	B	TPB
(+or<) 300 sec	1087	53%	
301 to 345 sec	246	12%	65%
346 to 390 sec	226	11%	76%
391 to 435 sec	144	7%	83%
> **436 sec**	348	17%	100%
Avg. Response Time	292.3 Seconds		

HAZMAT	46 Alarms		
Response Time First Arrival	Alarms	B	TPB
(+or<) 300 sec	12	26%	
301 to 345 sec	8	17%	43%
346 to 390 sec	8	17%	60%
391 to 435 sec	5	11%	71%
> **436 sec**	13	29%	100%
Avg. Response Time	522.2 Seconds		

Closing

This 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.

Any questions of the contents of this report should be directed to Assistant Chief Eric Andrews eandrews@snofire7.org / 360-668-5357