



2017 Eastside Fire & Rescue Response Coverage Report





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Eastside Fire & Rescue (EF&R or Agency) is a combination fire agency consisting of career and volunteer staff. Formed in 1999, the Agency functions under an Interlocal Agreement between King County Fire Districts 10 and 38, and the cities of Issaquah, North Bend, and Sammamish. EF&R is not a department of a city or county government. The Interlocal Agreement defines the Agency as a Fire Department or Joint Fire Department. Each Partner Agency of the Interlocal Agreement is regulated by applicable Washington Administrative Codes (WACs) and the Revised Code of Washington (RCW).

Formed under the Revised Code of Washington, the original Agreement was signed in 1999 and amended in 2000. A successor agreement was signed in 2014 which extended the life of the Agency indefinitely unless a Partner withdraws.

The Agency receives funding from the participating Partners for the purposes of providing fire and emergency medical services (EMS). King County Fire Protection District 10 serves as the employer for all personnel. The Agency's jurisdiction encompasses all areas within the city limits of Issaquah, North Bend, Sammamish, and the two Fire Districts. The current response area includes urban/suburban/rural areas containing residential development, commercial and industrial development, and rural farmland areas.

Eastside Fire & Rescue provides emergency services to a population of 130,000 in an area of roughly 190 square miles. Fire, EMS, and special response services are provided from 14 fire stations. The Agency maintains a fleet of vehicles including fifteen fire engines, four water tenders, five ladder/aerial trucks, seventeen rescue/medic aid units, and four command vehicles. Other specialty units include an air unit, technical rescue vehicle and trailer, a mobile emergency operations communications van, and a Washington State Department of Natural Resources-owned brush truck. The Agency also operates out of one Administrative Headquarters facility.

Services the Agency is Required to Provide

The Interlocal Agreement that established EF&R states the following regarding services provided by the Agency:

Services. The Board of Directors shall provide the following types of services within the boundaries of the Cities and the Districts: fire prevention; fire suppression; emergency medical; special rescue; and hazardous materials incident response in accordance with applicable laws and regulations. Within the boundaries of the Cities, the Board shall provide the following additional services in conformance with City ordinances: fire code inspection and enforcement; fire code pre-construction building plan review; and fire investigation. The Board is authorized to add services upon approval by all Parties. The Parties recognize that King County has statutory jurisdiction to enforce the Fire Marshal provisions of the County Code within the territory of the Districts that is outside of the Cities.



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The Basic Organizational Structure of the Eastside Fire & Rescue in 2017



The Number of Agency Employees

In 2017, the department had 194.5 personnel broken down in the following classifications:

Administrative Chief Officers	4	Public Education Staff	1
Battalion Chiefs	7	Fire Prevention Staff	2
Career Firefighters	117	Volunteer Responders (Including SSV)	45
Administrative Support	11.5	Volunteer Chaplains	4
Mechanics	3		

In 2017, EF&R is seeing the start of retirements in career firefighter, and senior administrative ranks. The Agency hired a new fire chief in 2016. Volunteer staff fluctuates from year to year.



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Functions Agency Employees are Expected to Perform

The employees of EF&R perform functions such as firefighting, emergency medical services/BLS, hazardous materials response/Level A Technicians, hazardous materials response/Operations, Technical Rescue, inspections, public education, pre-fire planning, maintenance, and administrative support.

II. Adopted Standards

Turnout time equates to the time from the receipt of a dispatched alarm by the firefighting crew, until they indicate (verbally or electronically) they are en-route to the incident.

Turnout Time Standard:

At fully staffed stations Eastside Fire & Rescue has adopted turn out time standards of:

- 90 seconds for daytime EMS incidents
- 120 seconds for nighttime EMS incidents
- 135 seconds for daytime FIRE incidents
- 165 seconds for nighttime FIRE incidents

During 2017, overall, EF&R met its turn out time standards 95.9% of the time. This **did** meet the time standards set by the EF&R Board. The overall 90th percentile time was 107 seconds.

At fully staffed stations, Eastside Fire & Rescue met its **Daytime EMS** turn out standard 96.0% of the time. The 90th percentile time was 78 seconds.

At fully staffed stations, Eastside Fire & Rescue met its **Nighttime EMS** turn out standard 92.3% of the time. The 90th percentile time was 117 seconds.

At fully staffed stations, Eastside Fire & Rescue met its **Daytime FIRE** turn out standard 97.8% of the time. The 90th percentile time was 105 seconds.

At fully staffed stations, Eastside Fire & Rescue met its **Nighttime FIRE** turn out standard 97.7% of the time. The 90th percentile time was 135 seconds.



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Response time for the arrival of the first arriving engine company at a fire suppression incident.

Response Time Standard:

Eastside Fire & Rescue has adopted an urban/suburban response/travel time standard of ten (10) minutes for the arrival of the first engine company to a fire suppression incident, which the Agency should meet 90% of the time.

During 2017, EF&R arrived on urban fire suppression incidents in ten (10) minutes or less 99.5% of the time. This **did** meet the time standards set by the EF&R Board.

Eastside Fire & Rescue has adopted a rural response/travel time standard of 16 minutes for the arrival of the first engine company to a fire suppression incident, which the Agency should meet 90% of the time.

During 2017, EF&R arrived on rural/wilderness fire suppression incidents in 16 minutes or less 100% of the time. This **did** meet the time standards set by the EF&R Board.



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Response time for the deployment of a full first alarm assignment at a fire suppression incident

Response Time Standard for Full 1st Alarm Response:

Eastside Fire & Rescue has adopted an urban/suburban response/travel time standard of 22 minutes for the arrival of the full complement of a 1st alarm response to a fire suppression incident, which the Agency should meet 90% of the time. Further, EF&R has adopted a 1st alarm response of a minimum of two (2) engines, 12 firefighters, and one (1) Command Officer.

During 2017, EF&R had a full first alarm complement on scene in 22 minutes or less 90% of the time in the urban/suburban areas. This **did** meet the time standards set by the EF&R Board.

Eastside Fire & Rescue has adopted a rural/wilderness response/travel time standard of 25 minutes for the arrival of the full complement of a 1st alarm response to a fire suppression incident, which the Agency should meet 90% of the time. Further, EF&R has adopted a 1st alarm response of a minimum of two (2) engines, 12 firefighters, and one (1) Command Officer.

During 2017, EF&R had a full first alarm complement on scene in 25 minutes or less 25% of the time in the rural areas. This **did not** meet the time standards set by the EF&R Board.

There were only four (4) incidents in this group, on the three (3) where the times were not met:

- One was a late evening fire down in Mirrormont.
- One was at Swedish Hospital, that started with few units and more were slowly added
- One was at SR203/Tolt Hill Rd, right after an incident on EB90 pulled many units



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Response time for the arrival of the first arriving unit with a first responder or higher level of medical capability at an emergency medical incident.

Response Time Standard:

Eastside Fire & Rescue has adopted an urban response/travel time standard of nine (9) minutes for the arrival of the first emergency medical unit with appropriately trained personnel to an emergency medical incident, which the Agency should meet 90% of the time.

During 2017, EF&R arrived on urban/suburban medical emergency incidents in nine (9) minutes or less with appropriately trained personnel 99.6% of the time. This **did** meet the time standards set by the EF&R Board.

Eastside Fire & Rescue has adopted a rural response/travel time standard of 14 minutes for the arrival of the first emergency medical unit with appropriately trained personnel on board to an emergency medical incident, which the Agency should meet 90% of the time.

During 2017, EF&R arrived on rural/wilderness medical emergency incidents in 14 minutes or less with appropriately trained personnel 100% of the time. This **did** meet the time standards set by the EF&R Board.



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Response time for the arrival of an advanced life support unit to an emergency medical incident, where this service is provided by the fire department:

(NOTE: This service is provided by King County EMS who establishes the measuring standards for ALS response. Though EF&R has little control over the third-party response time the Agency determined that it would be beneficial to set a measuring standard).

Response Time Standard:

Eastside Fire & Rescue has adopted an urban/suburban response/travel time standard of 19 minutes for the arrival of an advanced life support unit with appropriately trained personnel (paramedics) on board to an ALS emergency medical incident, which the Agency should meet 90% of the time.

During 2017, EF&R arrived at ALS emergency medical incidents in the urban areas with appropriately trained personnel (paramedics) in 19 minutes or less 93.7% of the time. This **did** meet the time standards set by the EF&R Board.

Eastside Fire & Rescue has adopted a rural response/travel time standard of 23 minutes for the arrival of an advanced life support unit with appropriately trained personnel (paramedics) on board to an ALS emergency medical incident, which the Agency should meet 90% of the time.

During 2017, EF&R arrived at ALS emergency medical incidents in the rural areas with appropriately trained personnel (paramedics) in 23 minutes or less 94.0% of the time. This **did** meet the time standards set by the EF&R Board.



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Response time for the arrival of the first arriving apparatus with appropriately trained and equipped Hazardous Materials Level “A” Technicians at a hazardous materials incident, where this service is provided by the fire department.

Response Time Standard:

Eastside Fire & Rescue has adopted an urban response/travel time standard of 30 minutes for the arrival of the first unit with appropriately trained and equipped Hazardous Materials Technicians to a hazardous materials incident, which the Agency should meet 90% of the time.

During 2017, EF&R did not respond to any hazardous material events within EF&R jurisdictional urban/suburban boundaries.

Eastside Fire & Rescue has adopted a rural response/travel time standard of 45 minutes for the arrival of the first unit with appropriately trained and equipped Hazardous Materials Technicians on board to a hazardous materials incident, which the Agency should meet 90% of the time.

During 2017, EF&R did not respond to any hazardous material events within EF&R jurisdictional rural/wilderness boundaries.



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Response time for the arrival of the first arriving apparatus with appropriately trained and equipped Technical Rescue Technicians on board at a technical rescue incident, where this service is provided by the fire department.

Response Time Standard:

Eastside Fire & Rescue has adopted an urban response/travel time standard of 25 minutes for the arrival of the first unit with appropriately trained and equipped Technical Rescue Technicians to a technical rescue incident, which the department should meet 90% of the time.

During 2017, EF&R arrived at urban Technical Rescue responses in 25 minutes or less 100% of the time with appropriately trained and equipped Technical Rescue Technicians. This **did** meet the time standards set by the EF&R Board.

Eastside Fire & Rescue has adopted a rural response/travel time standard of 30 minutes for the arrival of the first unit with appropriately trained and equipped Technical Rescue Technicians on board to a technical rescue incident, which the Agency should meet 90% of the time.

During 2017, EF&R arrived at rural Technical Rescue responses in 30 minutes or less 100% of the time with appropriately trained and equipped Technical Rescue Technicians. This **did** meet the time standards set by the EF&R Board.



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Response time for the arrival of the first arriving apparatus with appropriately trained and equipped Wildland Firefighting personnel on board at a wild fire incident.

Response Time Standard:

Eastside Fire & Rescue has adopted an urban/suburban response/travel time standard of 25 minutes for the arrival of the first unit with appropriately trained and equipped Wild Land Firefighting personnel on board to a wild land fire incident, which the Agency should meet 90% of the time.

During 2017, EF&R arrived at urban/suburban wild land responses in 30 minutes or less 100% of the time with appropriately trained and equipped Wild Land Firefighting personnel. This **did** meet the time standards set by the EF&R Board.

Eastside Fire & Rescue has adopted a rural/wilderness response/travel time standard of 30 minutes for the arrival of the first unit with appropriately trained and equipped Wild Land Firefighting personnel on board to a wild land fire incident, which the Agency should meet 90% of the time.

During 2017, EF&R arrived at rural/wilderness wild land responses in 30 minutes or less 100% of the time with appropriately trained and equipped Wild Land Firefighting personnel. This **did** meet the time standards set by the EF&R Board.



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Standard of Cover Summary Comparison 2014 - 2017					
Standard	2014	2015	2016	2017	2017 Incs
Overall Turnout - Career	91.49%	93.72%	94.2%	95.9%	11,041
Turnout - Career - Daytime EMS	89.20%	94.30%	95.3%	96%	5,227
Turnout - Career - Nighttime EMS	90.91%	90.58%	90.6%	92.3%	1,936
Turnout - Career - Daytime Fire	96.03%	94.64%	95.3%	97.8%	2,853
Turnout - Career - Nighttime Fire	96.96%	94.53%	92.9%	97.7%	1,025
First Engine Arrival to Fire Suppression – Urban/Suburban	89.60%	99.90%	91.1%	99.5%	1,853
First Engine Arrival to Fire Suppression – Rural/Wilderness	92.75%	100%	91.4%	100%	664
Full First Alarm Arrival to Structure Fire – Urban/Suburban	100%	100%	90%	90%	10
Full First Alarm Arrival to Structure Fire – Rural/Wilderness	100%	100%	92.9%	25%	4
First Responder Arrival to EMS Incident – Urban/Suburban	92.12%	99.81%	99.6%	99.6%	4,800
First Responder Arrival to EMS Incident – Rural/Wilderness	91.15%	100%	100%	100%	1,297
Advanced Life Support Arrival to EMS Incident – Urban/Suburban	95.85%	96.88%	96.9%	93.7%	1,030
Advanced Life Support Arrival to EMS Incident – Rural/Wilderness	95.07%	95.27%	94.4%	94%	351
HazMat Level "A" Tech Arrival to HazMat Incident – Urban/Suburban	100%	100%	N/A	N/A	0
HazMat Level "A" Tech Arrival to HazMat Incident – Rural/Wilderness	N/A	N/A	100%	N/A	0
Rescue Tech Arrival to Technical Rescue Incident – Urban/Suburban	100%	100%	100%	100%	1
Rescue Tech Arrival to Technical Rescue Incident – Rural/Wilderness	100%	100%	100%	100%	6
Wildland Unit Arrival to Wildland Fire Incident – Urban/Suburban	94.44%	100%	N/A	100%	24
Wildland Unit Arrival to Wildland Fire Incident – Rural/Wilderness	100%	100%	100%	100%	5