

**SOUTH KING FIRE & RESCUE**

# **PERFORMANCE REPORT**

**RESPONSE STANDARDS FOR 2022  
AS REQUIRED BY  
RCW 52.33**



**SOUTH KING FIRE & RESCUE  
RESOLUTION NO. 413**

**A RESOLUTION OF THE BOARD OF FIRE COMMISSIONERS FOR SOUTH KING FIRE & RESCUE, a.k.a. KING COUNTY FIRE PROTECTION DISTRICT NUMBER 39, ESTABLISHING THE FIRE DEPARTMENT, OR DECLARING IT ESTABLISHED, LISTING THE SERVICES PROVIDED BY THE DEPARTMENT, DESCRIBING THE ORGANIZATIONAL STRUCTURE AND THE NUMBER OF EMPLOYEES AND VOLUNTEERS, AND ADOPTING STANDARDS FOR SERVICE.**

**WHEREAS**, South King Fire & Rescue, also known as “King County Fire Protection District Number 39” was organized in the year 1949, and therefore the Board of Fire Commissioners intends to “establish” the District’s Fire Department, or declare it as being heretofore established; and

**WHEREAS**, the Washington State Legislature adopted House Bill 1756 during 2005, and such bill is codified as Chapter 52.33 of the Revised Code of Washington; and

**WHEREAS**, such statute requires that each substantially career fire department be declared “established,” that the services provided by the district or department be listed, and among other requirements, that standards for service be adopted locally; and

**WHEREAS**, such statute also requires that an annual report be first prepared in 2007, describing compliance with the local standards and otherwise reporting to the public; and

**WHEREAS**, such statute also requires compliance with the locally established response time standards 90% of the time; and

**WHEREAS**, the purpose and intent of this resolution is to provide policies and standards so as to comply with the intent of the new legislation;

**NOW THEREFORE BE IT HEREBY RESOLVED AS FOLLOWS:**

**Section 1.** Since South King Fire & Rescue (King County Fire Protection District No. 39) was formed in 1949 and thereafter a substantially career fire department has been established, the Board of Fire Commissioners officially declares the Fire Department to be established.

**Section 2.** The municipal services provided by the district and the department, in accordance with the mission and statutes that govern fire protection districts and fire departments, are as follows:

- Fire suppression
- Emergency Medical Services (EMS), Basic Life Support (BLS)
- Hazardous Materials Response-Level A
- Hazardous Materials Response-Operations
- Technical Rescue/Special Operations
- Marine Rescue and Fire Fighting
- Wildland Fire Fighting
- Fire Prevention/Public Education
- Participation in Local Emergency Management

**Section 3.** The organizational structure of the Fire Department is best illustrated by reference to the attached organizational chart. However, the organization is generally described as governed overall by the elected policy-making and governing body – the Board of Fire Commissioners – whose policies are implemented and managed on a day-to-day basis by the appointed Fire Chief. The Board and the Fire Chief are aided in accomplishing the mission of the department by an appointed District Secretary, whose primary duties are administrative,

including maintaining Board meeting minutes and records. Various fire service officers, firefighters, Emergency Medical Technicians (EMTs), volunteer administrative personnel, and other staff personnel comprise the District's work force and accomplish the delivery of vital services to the public.

**Section 4.** On the effective date of this Resolution, the District employs the equivalent of 165 full time employees (FTE's). Any changes or projected changes in these numbers will be addressed in subsequent annual reports.

**Section 5.** The Fire Protection District hereby establishes the following service delivery objectives, including specific response time objectives for the following major service components, as applicable:

**Structural Fire Suppression First Unit Turnout Time \***

Goal: Standard turnout time of 2-minutes, 45-seconds, 90% of the time.  
The average turnout time goal is 2-minutes, 00-seconds.

**Structural Fire Suppression First Engine Travel Time**

Goal: Standard travel time of 5-minutes, 30-seconds, 90% of the time.  
The average travel time goal is 3-minutes, 30-seconds.

**Structural Fire Suppression First Full Alarm Travel Time**

Goal: Standard travel time of 9-minutes, 00-seconds, 90% of the time.  
The average travel time goal is 6-minutes, 00-seconds.

*Note: The full first alarm assignment includes a minimum of fifteen (15) firefighting personnel and adequate apparatus/equipment for the incident.*

**Other Fire Incidents (vehicular, electrical, etc.) First Unit Turnout Time \***

Goal: Standard turnout time of 2-minutes, 45-seconds, 90% of the time.  
The average turnout time goal is 2-minutes, 00-seconds.

**Other Fire Incidents (vehicular, electrical, etc.) First Engine Travel Time**

Goal: Standard travel time of 6-minutes, 00-seconds, 90% of the time.  
The average travel time goal is 3-minutes, 45-seconds.

**EMS BLS First Unit Turnout Time with First Responder or higher**

Goal: Standard turnout time of 2-minutes, 30-seconds, 90% of the time.  
The average turnout time goal is 1-minute, 30-seconds.

### **EMS BLS First Unit Travel Time with First Responder or higher**

Goal: Standard travel time of 6-minutes, 00-seconds, 90% of the time.  
The average response time goal is 4-minutes, 00-seconds.

### **EMS ALS Unit Travel Time**

Goal: King County Medic One has adopted a standard travel time of 8-minutes, 00-seconds, 90% of the time for the arrival of the first ALS emergency medical unit with two King County Paramedics.

*Note: As provided by King County Medic One, who are administered by Public Health Seattle/King County. King County has adopted standards for King County Medic One responses. SKFR does not provide Advanced Life Support (ALS) responses. ALS services are provided by King County Medic One.*

### **Hazardous Materials First Unit Turnout Time with Operations level or higher trained personnel\***

Goal: Standard turnout time of 3-minutes, 00-seconds, 90% of the time.  
The average turnout time goal is 2-minutes, 00-seconds.

### **Hazardous Materials First Unit Travel Time with Operations level or higher trained personnel**

Goal: Standard travel time of 5-minutes, 45-seconds, 90% of the time.  
The average travel time goal is 4-minutes, 00-seconds.

### **Hazardous Materials First Unit Travel Time with HazMat Technician level trained personnel**

Goal: SKFR adopted a travel time of 10-minutes, 00-seconds, 90% of the time.  
The average turnout time total is 8-minutes, 00-seconds.

### **Technical Rescue/Special Operations Turnout Time \***

Goal: Standard turnout time of 3-minutes, 00-seconds, 90% of the time.  
The average turnout time goal is 2-minutes, 00-seconds.

### **Technical Rescue/Special Operations Travel Time – Technical Rescue trained/certified personnel**

Goal: Standard travel time of 10-minutes, 00 seconds, 90% of the time.  
The average travel time goal is 8-minutes, 00-seconds.

### **Marine Rescue & Firefighting Turnout Time\***

Goal: Standard turnout time of 3-minutes, 00-seconds, 90% of the time.  
The average turnout time goal is 2-minutes, 00-seconds.

### Marine Rescue & Firefighting Travel Time

Goal: Standard travel time of 5-minutes, 00 seconds, 90% of the time.  
The average travel time goal is 4-minutes, 00-seconds.

*Note: This includes travel time to the dock in the marina where the boat is moored, then staffing Marine 67 with a minimum of one pilot and one deckhand.*

### Wildland Firefighting First Unit Travel Time with Red Card (NWCG) certified firefighters

Goal: Standard travel time of 30-minutes, 00-seconds 90% of the time.  
The average travel time goal is 30-minutes, 00-seconds.

*Note: This standard has been developed for Statewide Mobilization events wherein certified wildland members are called back to duty for responses).*

\* *Times take into account all firefighters being fully bunkered up in protective clothing prior to initiation of the response/travel time.*

**Section 6.** The foregoing objectives shall be the goal for SKFR to achieve at least **90% of the time** in accordance with the statute. In addition, the **average turnout and travel (response) time goals** are included for comparison of response objectives. Annually, commencing in 2007, the District shall evaluate its levels of service, deployment, and the achievement of each response time objective throughout the District. The Annual Report shall define any geographic areas and circumstances in which the requirements of these standards are not being met. The Annual Report shall explain the predictable consequences of any deficiencies and address the steps that are necessary to achieve the objectives.

**Section 7.** All terms used herein, such as "turnout time," "travel/response time," "advanced life support," and "fire suppression," shall be as defined in the state statute.

Within this resolution, the terms "South King Fire & Rescue," "King County Fire Protection District Number 39" and "District" shall be synonymous.

**ADOPTED** by the Board of Fire Commissioners of King County Fire Protection District No. 39, doing business as South King Fire and Rescue, this 17<sup>th</sup> day of October, 2006.

# 2022 Actual Response Standards

## Structural Fire Suppression First Unit Turnout Time \*

Goal: Standard turnout time 2-minutes, 45-seconds, 90% of the time.  
Average turnout time goal is 2-minutes, 00-seconds.

Actual: 90<sup>th</sup> percentile turnout time was **3-minutes, 0-seconds**.  
Average turnout time was **1-minute, 55-seconds**.

## Structural Fire Suppression First Engine Travel Time

Goal: Standard travel time of 5-minutes, 30-seconds, 90% of the time.  
Average travel time goal is 3-minutes, 30-seconds.

Actual: 90<sup>th</sup> percentile travel time was **6-minutes, 55-seconds**.  
Average travel time was **4-minutes, 11-seconds**.

## Structural Fire Suppression First Full Alarm Travel Time

Goal: Standard travel time of 9-minutes, 00-seconds, 90% of the time.  
Average travel time goal is 6-minutes, 00-seconds.

Actual: 90<sup>th</sup> percentile travel time was **13-minutes, 46-seconds**.  
Average travel time was **9-minutes, 4-seconds**.

*Note: The full first alarm assignment includes a minimum of fifteen (15) firefighting personnel and adequate apparatus/equipment for the incident. In 2022 there were 20 calls used in calculations.*

## Other Fire Incidents (vehicular, electrical, etc.) First Unit Turnout Time \*

Goal: Standard turnout time of 2-minutes, 45-seconds, 90% of the time.  
The average turnout time goal is 2-minutes, 00-seconds.

Actual: 90<sup>th</sup> percentile turnout time was **2-minutes, 52-seconds**.  
Average turnout time was **1-minute, 48-seconds**.

## Other Fire Incidents (vehicular, electrical, etc.) First Engine Travel Time

Goal: Standard travel time of 6-minutes, 00-seconds, 90% of the time.  
The average travel time goal is 3-minutes, 45-seconds.

Actual: 90<sup>th</sup> percentile travel time was **6-minutes, 58-seconds**.  
Average travel time was **4-minutes, 10-seconds**.

### **EMS BLS First Unit Turnout Time with First Responder or higher**

Goal: Standard turnout time of 2-minutes, 30-seconds, 90% of the time.  
Average turnout time goal is 1-minute, 30-seconds.

Actual: 90<sup>th</sup> percentile turnout time was **2-minutes, 37-seconds**.  
Average turnout time was **1-minute, 39-seconds**.

### **EMS BLS First Unit Travel Time with First Responder or higher**

Goal: Standard travel time of 6-minutes, 00-seconds, 90% of the time.  
Average response time goal is 4-minutes, 00-seconds.

Actual: 90<sup>th</sup> percentile travel time was **7-minutes, 34-seconds**.  
Average travel time was **4-minutes, 52-seconds**.

### **EMS ALS Unit Travel Time**

Goal: King County Medic One has adopted a standard travel time of 8-minutes, 00-seconds, 90% of the time for the arrival of the first ALS emergency medical unit with two King County Paramedics.

Actual: 90<sup>th</sup> percentile travel time was **10-minutes, 7-seconds**.  
Average travel time was **6-minutes, 28-seconds**.

*Note: As provided by King County Medic One, who are administered by Public Health Seattle/King County. King County has adopted standards for King County Medic One responses. SKFR does not provide Advanced Life Support (ALS) responses. ALS services are provided by King County Medic One.*

### **CPR**

Goal: The 52.33 report does not have reporting standards for responses to cardiac arrest.

### **Hazardous Materials First Unit Turnout Time with Operations level or higher trained personnel \***

Goal: Standard turnout time of 3-minutes, 00-seconds, 90% of the time.  
The average turnout time goal is 2-minutes, 00-seconds.

Actual: 90<sup>th</sup> percentile turnout time was **2-minutes, 51-seconds**.  
Average turnout time was **1-minute, 56-seconds**.

### **Hazardous Materials First Unit Travel Time with Operations level or higher trained personnel**

Goal: Standard travel time of 5-minutes, 45-seconds, 90% of the time.  
The average travel time goal is 4-minutes, 00-seconds.

Actual: 90<sup>th</sup> percentile travel time was **8-minutes, 41-seconds**.  
Average travel time was **4-minutes, 59-seconds**.

*Note: SKFR firefighters are trained to Operations Level for response to hazardous materials incidents and supports the Washington State Patrol who is responsible for hazardous materials incidents within the District. In addition, SKFR supports a department Hazardous Materials Team consisting of at least 12 firefighters trained to the “technician” level. This team responds in conjunction with similarly staffed hazardous materials teams throughout the South King County area to ensure an effective and highly trained response to hazardous materials emergencies. SKFR’s response time standard is predicated on hazardous materials operational level firefighters responding to an alarm. Responses requiring Technician level personnel have a time standard of 10-minutes, 00-seconds travel time with an average of 8-minutes, 00-seconds.*

### **Technical Rescue/Special Operations Turnout Time \***

Goal: Standard turnout time of 3-minutes, 00-seconds, 90% of the time.  
Average turnout time goal is 2-minutes, 00-seconds.

Actual: There were 34 technical rescue responses.  
Average turnout time was **3-minutes, 5-seconds**.

### **Marine & Technical Rescue Incidents \***

Goal: Standard travel time of 5-minutes, 00 seconds, 90% of the time.  
Average travel time goal is 4-minutes, 00-seconds.

*Note: This includes travel time to the dock in the marina where the boat is moored, then staffing Marine 67 with a minimum of one pilot and one deckhand.*

Actual: In 2022, there were 5 Marine responses that met the criteria for inclusion in this report. The average Marine unit turnout time was **4-minutes, 17-seconds**. The average Marine unit travel time was 17-minutes, 30-seconds. Due to limited available times from VCC, some of the 5 calls use different methodology for acquiring the turnout and travel times than others. Thus, these times for Marine responses **should be considered unreliable**, due both to the absence of times from VCC and the minimal sample size. For other units (non-marine), the times in the two charts below indicate the time the specialty apparatus reached the scene of the emergency.

Small sample sizes and variable alarm coding for rescue and hazmat responses make response time measurements from the DECCAN database unreliable.

\* The following chart is from ESO showing all specialty responses. Any differences in average times from the data above reflects responses going to the greater south King County area, not just the responses that occurred within SKFR's jurisdiction.

YEAR	Apparatus	#	%	Avg_Turnout_Time	Avg_Travel_Time
2022	FBZEN/BOT367	5	5.43%	0:04:17	0:17:30
	HM361	53	57.61%	0:01:56	0:04:59
	R364	34	36.96%	0:03:05	0:13:15
Grand Total		92	100.00%	0:03:06	0:11:54

## Fire Department Administration

SKFR operates under a chain-of-command, which was established by an elected Board of Fire Commissioners.

The functions performed by SKFR chief officers and career firefighters include the following:

- a) Emergency response to fires and medical aid emergencies.
- b) Emergency response to all motor vehicle accidents.
- c) Response to all hazards including technical rescue, hazardous materials and marine emergencies.
- d) Mutual aid emergency responses when requested by neighboring jurisdictions.
- e) Fire inspections performed on an annual basis in local businesses, and those in unincorporated areas, coordinated with the King County Fire Marshal's Office.
- f) Coordination with local emergency management personnel from King County.
- g) Hazardous materials Operations level emergency response, coordinated with the Washington State Patrol as the designated Incident Commander.
- h) Perform fire investigations in conjunction with Federal Way Police and assist the King County Fire Marshal's Office with the investigation of fires within the City of Des Moines and unincorporated King County.

# Policy Statements

South King Fire & Rescue (SKFR; aka King County Fire Protection District #39) has existed as a Fire District within the State of Washington since 1949. The District was organized under the tenants of Title 52 of the RCW's, with the legal formation of the Fire District mandated by an affirmative vote of the residents residing within the District's boundaries and by King County Fire Protection District #39 Commissioner Resolution.

SKFR provides service to forty-one (41) square miles including the cities of Federal Way and Des Moines. Included in the 41 square miles is approximately nine (9) square miles of unincorporated King County. The District serves a population of approximately 150,000 community members.

Services provided by SKFR include:

- a) Fire Suppression
- b) First Response Basic Life Support (BLS) Emergency Medical Services
- c) Fire Prevention/Public Education
- d) Hazardous Materials Level A and Operations Level Response
- e) Technical Rescue/Special Operations
- f) Marine Rescue and Firefighting
- g) Wildland Firefighting
- h) Participation in Local Emergency Management

**Total emergency responses in 2022 and prior years were broken down as follows:**

		<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>
100	Fire	700	753	614	616	839	772
200	Rupture/Explosion	22	12	21	35	45	22
300	Medical	18,873	18,352	15,690	16,422	15,968	15,845
400	Hazardous Materials	340	267	336	298	312	354
500	Public Assist	775	684	384	519	538	629
600	Good Intent	2,304	1,851	1,464	1,446	1,468	1,483
700	False	1,341	1,285	1,263	1,269	1,157	1,152
800	Weather	46	106	104	84	45	57
900	Other	28	15	18	11	12	23
	<b>TOTAL</b>	<b>24,429</b>	<b>23,325</b>	<b>20,194</b>	<b>20,700</b>	<b>20,384</b>	<b>20,337</b>

# Predictable Results

## 2022 Staffing Levels:

	Jan-Mar	April-June	July-Sept	Oct-Dec
Chief Officers Administration	5	5	4	5
Battalion Chief Officers	4	4	4	4
Career Firefighters	147	146	148	144
Admin Support & Services	25	27	26	27
Total Staff (Full Headcount)	181	182	182	180
Total FTE w/part-time	179	180	180	178