Castle Rock Fire and Rescue Department

Standards of Cover

2021 Edition

CASTLE ROCK FIRE RESCUE COLORADO

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2021 Standards of Cover

Castle Rock Fire and Rescue Department would like to recognize and thank the following members for the time, effort and attention to detail in the creation of this document.

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Rocky Mountain Accreditation & Professional Credentialing Consortium

2021 Standards of Cover

Summary of Changes		
Date of Change	Summary	Approved
March 2022	Initial release	Date Resolution 2022-XXX

2021 Standards of Cover

Executive Summary

The Castle Rock Fire and Rescue Department's vision is "To be the best at providing emergency and prevention services." As such, the department is committed to continuous quality improvement and uses the model set forth by the Commission on Fire Accreditation International (CFAI) as a guideline. The 2021 Standards of Cover is a comprehensive review of the department performance over the past five years and is a partner document to the 2021 Community Risk Assessment. Key elements of this Standards of Cover include: levels of service provided, analysis response capabilities by geographic area, and recommendations to maximize the efficiency of all resources to obtain the best possible emergency response keeping consistent with community expectations. The 2020 Risk Assessment may be found on the Department's Strategic Documents web page and highlights the risks within the jurisdiction by geographic planning zone and service provided.

A general overview of the department is included at the beginning of this document. This overview includes a description of the community served, a description of the area (topography, climate, and population), as well as community expectations. It also includes a description of the current services provided, the current deployment strategy, community response history, performance objectives, and an evaluation and compliance methodology.

As part of the 2020-2024 Strategic Plan, the department conducted several community open houses to gather feedback and insight into the community's priorities, expectations, and concerns. The top five service priorities were: emergency medical services (EMS), fire suppression, wildland fire suppression, fire prevention, and technical rescue. The top five community expectations were: training/education of department members, fast response times, adequate staffing, the ability to maintain core services, and ensuring adequate equipment and apparatus. Finally, the community's top five concerns were: the ability to keep pace with the growth and development in the area; ensuring adequate staffing; resource deployment (location of stations, number of apparatus); adequate funding; adequate public education. With the exception of public education, the concerns focused on the department's ability to keep pace with the growth in the area.

The department evaluates the performance of the first arriving unit (distribution) and the arrival of the effective response force (concentration). The effective response force is the minimum number of personnel, equipment, and apparatus needed to mitigate a given type incident, and its level of risk (low, moderate, high/special). Generally, the higher the risk level, the great number of resources needed. Additionally, the department evaluates performance based on population density (rural: less than 1000 residents/mile^2, urban: greater than 1000 residents/mile^2). When reporting performance, the department reports call processing time, turnout time, and total response time. The total response time is the time experienced by the customer and includes all aspects of the response:

- Call processing time: time from when the call is received to units dispatched
- Turnout time: time from dispatch to apparatus leaving the station
- Travel time: time from leaving the station to arriving on-scene

For the evaluation period, the department's performance for the 1st arriving unit remained relatively stable, varying just 50 seconds across five years. In rural population areas, the

total response time for 2021 was 9:30, and fluctuated between a high of 10:00 in 2017 and a low of 9:10 in 2019. Response times in the urban population areas were 8:10 in 2021 and were very stable across five years varying only 10 seconds with a low of 8:10 in 2017, 2019, and 2021, and a high of 8:20 in 2018 and 2020.

Evaluating the effective response force poses a challenge in that, with the exception of emergency medical services, there are too few incidents to perform meaningful statistical analysis or trending. Even so, the department annually tracks and reports all effective response force incidents for EMS, fire, hazardous materials, wildland fire suppression, and technical rescue at all risk levels (low, moderate and high/special).

Consistent with its commitment to continuous quality improvement, the department has defined a compliance methodology and continuous improvement strategy that includes monthly annual reporting requirements. Monthly, the department reports on performance (call processing, turnout, 1st arrival, and moderate risk EMS effective response force) against adopted benchmarks. Annually, the department reports on performance for all services (1st arriving and ERF) and risk levels against adopted benchmarks, trends, any service gaps to include recommendations and performance standards for the following year.

In reviewing the data in its entirety, the department's performance for the 1st arriving units has remained relatively stable since 2017. However, there are specific planning zones that cannot be reached within the adopted performance standards. These are planning zone 6 (specifically Cobblestone Ranch and Liberty Village), planning zone 8 (Yucca Hills and Keene Ranch), and portions of planning zone 7 (specifically Bell Mountain Ranch, Ditmars Ranch, Sellars Creek, and Lost Canyon Ranch).

- Planning zone 6 has experienced an increase in residential growth for the last few years. However, annual call volume, while increasing, remains relatively low with a maximum annual call volume of 179 in 2021. The department has secured property and begun the early stages of station planning for Fire Station 156. The current planning horizon is to have Station 156 open in fourth quarter 2025.
- Planning zone 8 is a remote and sparsely populated area that experiences an extremely low call volume (less than 12/year). The department has no plans to modify its deployment to improve response times in planning zone 8.
- Planning zone 7 has been growing for several years. The department recognized the increased call volume and performance gap in the area and opened Station 152 in August 2018. The placement of the new station also allowed the department to reconfigure existing station boundaries to help balance workload response times. However, even with the opening of Station 152, there are still portions of planning zone 7 that will exceed response time goals due to the distance from a fire station. These areas are primarily agricultural, have a very small population, and generate a very small number of calls (less than 10 calls annually).

The department's vision is "To be the best at providing emergency and prevention services". While striving "to be the best", the department must make changes based on sound statistical data that would allow for an improvement in the delivery of services and

increased safety to the community as well as emergency responders. Understanding the current financial and political climate, as well as the costs associated with any recommendation, the department reviewed each of the following recommendations to ensure they are consistent with community expectations, within the scope and reach of the department, and achievable with existing resources or plans. Therefore, the following recommendations were made in 2019 based on the results of the standards of cover process:

- Review, research and attempt to determine the root cause for the increased 1st arrival response times in Planning Zone 2 (PZ2).
    - Accreditation Manager: Pending
- Closely monitor PZ6 for growth, increasing calls for service and performance.
    - Accreditation Manager: Ongoing at least annually
- Closely monitor PZ9 for growth, increasing calls for service and performance.
    - Accreditation Manager: Ongoing at least annually
- Monitor the potential growth in PZ8 to anticipate changes that may drive the need for additional resources.
    - Accreditation Manager & Fire Chief: Ongoing
- The department and governing body should adopt the proposed benchmarks for the next evaluation cycle (2022 - 2026). Proposed benchmark are detailed in Appendix C.
    - Fire Chief: Pending

Finally, the department should provide an annual update to the Standards of Cover to the Public Safety Commission, Town Manager and Town Council that details call volumes and trends, updated baselines and benchmarks, and any service gaps and recommended action (if any).

PLACE HOLDER FOR THE RESOLUTION ADOPTING THE STANDARDS OF COVER

SCHEDULED FOR PRESENTATION TO TOWN COUNCIL ON APRIL 5, 2022

2021 Standards of Cover

Table of Contents

A. Introduction

Purpose

The Standards of Cover works in conjunction with the 2021 Community Risk Assessment to identify, define and, if possible, quantify the risks within the community and detail how the Castle Rock Fire and Rescue Department (CRFD) prepares for, responds to, and works to mitigate those risks. The Standards of Cover defines the level of service CRFD provides to the jurisdiction. This level of service examines the historical response characteristics within the jurisdiction and establishes baseline performance criteria; as well as benchmarks, or performance goals, for the first arriving apparatus and the balance of the effective response force (ERF). The ERF represents the complement of apparatus, people and equipment required to mitigate a "typical" emergency. The ERF is entirely dependent on the type and magnitude of the incident. Generally speaking, the larger the incident or greater risk to the community, the more resources are required. To determine the ERF, the department completed a review of all its incident types and risk level to establish a list of critical tasks. These tasks were then compared to the resources assigned to that call type, and response plans were adjusted accordingly (adding resources to some and removing resources from others).

As stated, the Standards of Cover sets the level of service for the department, and once approved by the Town of Castle Rock Town Council, establishes the CRFD's response and performance standards that will be reviewed and reported on at least annually.

B. Documentation of Area Characteristics

Area Description

The Castle Rock Fire and Rescue Department serves an area of approximately 66 square miles. The service area is comprised of the Town of Castle Rock, which is approximately 34 square miles, and the remaining area is that of unincorporated Douglas County. The area served is located in central Colorado on Interstate 25, roughly 28 miles south of Denver and 37 miles north of Colorado Springs. The elevation of Castle Rock is 6,202 feet. This area lies in the Colorado Piedmont on the western edge of the Great Plains. The front range of the Rocky Mountains are a few miles to the west. East Plum Creek, a stream within the South Platte River drainage basin, runs north then northwest through Castle Rock.

Topography

Common topographical features for both the Town and the district consist of rock outcroppings, steep hillsides, cliffs, canyons, mesas, and plateaus. Castle Rock, the castle-shaped butte that is the town's namesake, sits near the town's center, immediately north of downtown. The area is covered with large meadows of grass, small plants, scattered juniper trees, and open Ponderosa Pine woodlands. Other trees common to the area include Gambel Oak, Pinyon Oak, and Pinyon Pine.

These features and fauna are found throughout each of the five station districts and impact the type of risk, equipment, and training that may be needed. The risks range from wildland

and interface fires to high/low angle rope rescue over varied terrain and conditions. As such, each station houses a brush truck and all personnel are trained a minimum of awareness with several members trained to the operations and technician level in rope rescue.

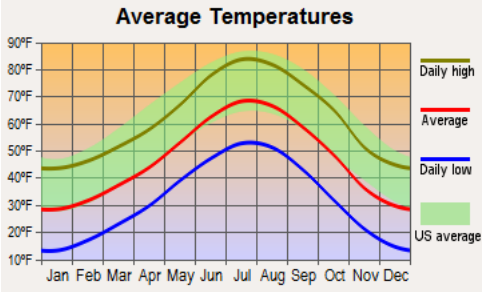
These features do not have a significant impact on responses as apparatus have been designed to function effectively in this environment. Engines and medic units have the requisite horsepower to navigate the changes in elevations, brush trucks are designed to travel both on and off road, and station locations were previously determined to accommodate the growth as directed in the Town's Master Plan.

Climate

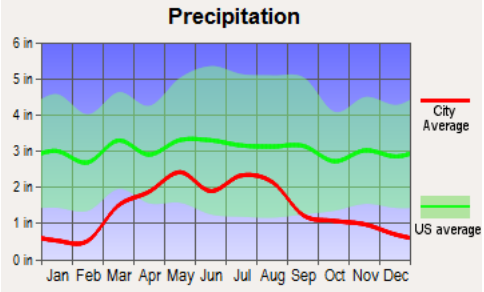
Castle Rock has a semi-arid climate with hot, dry summers and cold, dry winters. The area enjoys roughly 255 days of sunshine per year. On average, the Town receives 16.8 inches of precipitation annually, snowfall averages 62.5 inches per year, and the average humidity in the area is 40 percent. The coolest month is January with an average high of 44.8 and low of 12.5 degrees. The warmest month is July with an average high of 85.6 and low of 53 degrees. May is typically the wettest month.

The state of Colorado is ranked number 10 in lightning strikes and Castle Rock gets substantial lightning activity.

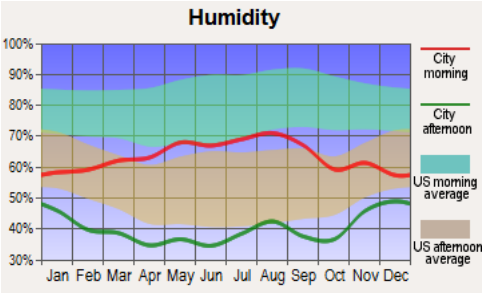
Area Description Chart 1.0



Area Description Chart 2.0



Area Description Chart 3.0



Population

CRFD provides fire and emergency services to roughly 84,000 residents within a 66 square mile jurisdiction, with an overall population density of 1273 residents/mile^2. CRFD defines population densities as follows:

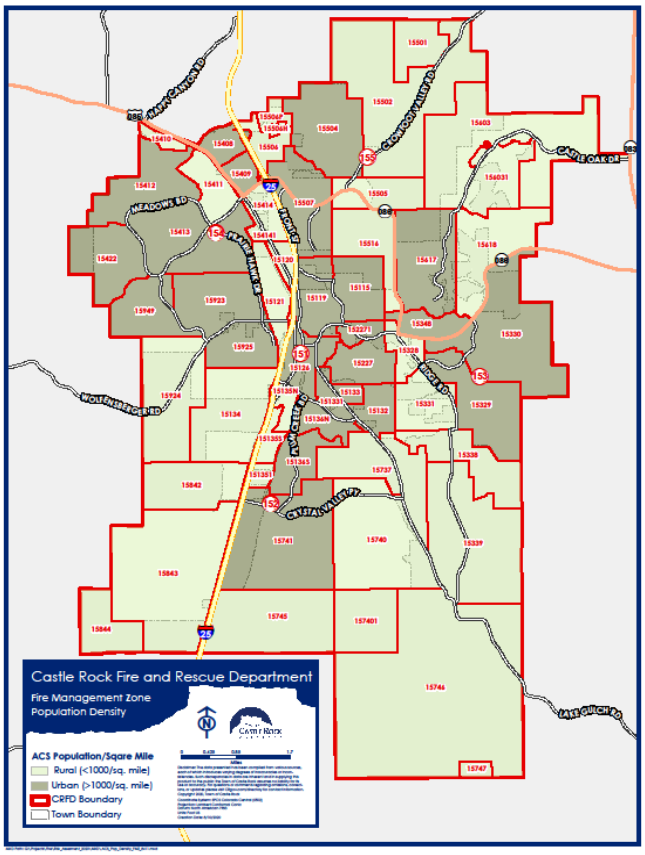
Rural: Less than 1,000 residents/mile^2

Urban: Greater than 1,000 residents/mile^2

Overall, CRFD's jurisdiction is considered urban with more than 1,000 residents/mile^2. However, CRFD's jurisdiction is divided between two entities, the Town of Castle Rock (TCR) and the Castle Rock Fire Protection District (CRFPD). The Town of Castle Rock's Development Services maintains an annual estimate of the resident population for the 34 square miles of the Town of Castle Rock. As of December 2021, the population within town limits is estimated at 80,400. The population density for the Town is 2,365/mile^2 and is considered an urban population density. The Castle Rock Fire Protection District represents the remaining 32 square miles of CRFD's jurisdiction and has an estimated population of 3,600 residents. CRFPD's population density is 113 residents/mile^2 and is considered a rural population density. Furthermore, the population is concentrated in neighborhoods throughout the jurisdiction resulting in pockets of higher population densities. Therefore, CRFD has determined the population density within each of the 56 fire management zones (FMZ) and assigned a density value of rural or urban as appropriate. The department has established performance guidelines for the rural and urban population densities. These performance guidelines are monitored monthly and revised annually as needed.

Area Description Map 1.0 geographically shows the urban and rural population densities, with the urban density shown in dark green and the rural density shown in the light green.

Area Description Map 1.0: 2019 Population Density



C. Community Expectations

Community Expectations

Service Delivery Program Transitions

The Castle Rock Fire and Rescue Department has traditionally provided an "all-hazards" response. In the mid-1990s, the mission was modified to include Advanced Life Support (ALS) response, and in 1997, ALS transport was added. ALS transport was added after the private ambulance company that had served the area ceased operations and pulled out of the county entirely.

Since 2001, the department has continued to ensure that the level of service for an all-hazards response has been maintained. Through community surveys, the department has consistently been ranked as number one in services provided by the Town to the community.

Community Expectations, Concerns, and Priorities

As a cornerstone of the 2020 - 2024 Strategic Plan, CRFD hosted several community open houses to gather community input and feedback. The purpose of these meetings was two-fold. First, to educate the community on the services CRFD provides, the capabilities and limitations of those services, as well as provide a brief overview of the department structure and finances. Second, CRFD asked participants to rank the department's services, as well as provide their expectations and concerns.

Based on the feedback from the open houses, the community ranked CRFD's services as seen in Table 1.0.

Community Expectation Table 1.0

	SERVICES
1	Emergency Medical Services
2	Fire Suppression
3	Wildland Fire Suppression
4	Fire Prevention
5	Technical Rescue
6	Hazardous Materials Mitigation
7	Domestic Preparedness Planning and Response
8	Public Education
9	Fire Investigation

The community was asked to share their expectations of CRFD. Table 2.0 lists the top 10 community expectations. Given the broad range of responses, the department grouped similar responses into categories. The definitions of these categories can be found Appendix A: Community Survey Definitions.

Community Expectations Table 2.0

Top 10 Community Expectations	
1	Training / Education
2	Response Time
3	Staffing
4	Core Service
5	Equipment / Apparatus
6	Growth / Development
7	Qualities
8	Resource Deployment
9	Public Education
10	Fiscal Responsibility

In addition to providing expectations, the attendees were asked to identify areas of concern within the department, detailed in table 3.0.

Community Expectations Table 3.0

Top 10 Community Concerns	
1	Growth / Development
2	Staffing
3	Resource Deployment
4	Funding
5	Public Education
6	Response Time
7	Wildfire
8	Fiscal Responsibility
9	Code Enforcement / Development
10	Resources

The above information was the basis for a two-day internal stakeholder meeting that resulted in the development of the 2020 - 2024 Strategic Plan. Definitions of the Expectations and Concerns categories may be found in Appendix 1: Community Survey Definitions. The Strategic Plan is available at Castle Rock Fire and Rescue Headquarters or online at http://crgov.com/fire/Strategic-Documents.

D. Services Provided

Service Delivery Programs

The Castle Rock Fire and Rescue Department protects the life and property of all residents in a 66 square-mile area, including the Town of Castle Rock and the Castle Rock Fire

Protection District in Douglas County. Additionally, the department services an estimated daytime population of roughly 118,000 people and 115,000 vehicles per day. The department has 101 career members (99 uniformed staff), and three administrative volunteer members, who staff five fire/rescue stations 24 hours a day to provide fire and medical services to the community. In 2021, the department responded to 6,150 calls for service.

The Castle Rock Fire and Rescue Department Operations Division provides:

- Fire: vehicle and structural fire suppression response
- Wildland Urban Interface Fire Suppression: wildland, vegetation and open area fire suppression that may or may not threaten improvements or structures
- Technical Rescue: trench, confined space, building collapse, high/low angle rope rescue, vehicle extrication, and water/ice rescue services
- Emergency Medical Services: Advanced Life Support (ALS) emergency medical services (paramedic ambulance transportation) with all field personnel, at a minimum, certified as EMT-Basics
- Hazardous Materials: operations and technician level response and mitigation
- Specialized: Tracked Rescue Vehicle (TRV152), four-wheel drive off highway vehicle (ATV151), and air and light incident support trailer (AIR155).

The Castle Rock Fire and Rescue Department Life Safety Division provides:

- Fire code inspections of existing businesses
- Plan reviews
- New construction inspections
- Public education
- Post-incident fire investigation
- UAS services
    - Search & Rescue
    - Thermal & 3D mapping
    - Incident video / photo documentation
    - Remote IDLH reconnaissance
    - Construction site / access documentation

Additional non-emergency programs:

- Child passenger car seat installations
- Public CPR classes
- Tier II hazard assessments
- Smoke/CO alarm replacement program

Current Deployment

Services Provided Table 1.0: Prevention and Life Safety Programs

Program Title	Description	Frequency / Objective
New Construction Plan Review	Construction plans for all projects within the district, including new buildings and tenant improvements are reviewed for code compliance and hazard abatement prior to the start of construction.	Building permit reviews within 10 days of receipt
Existing Business Inspection	Occupancy inspections are conducted by inspectors to verify compliance with the fire code.	Dependent on risk level and other requirements, attempting every 1-3 years
Fire Investigations	Fires are investigated by the fire investigator, if the officer in charge cannot determine the cause or if other criterion is met.	As needed
Child Passenger Car Seat Installation / Inspection	Installations / inspections are performed by certified CPS Technicians.	As needed
Fire Extinguisher Training	This service provides CFR 1910.157 portable fire extinguisher compliant training for individuals and businesses using an electronic simulator.	As requested
CPR Training	Certified training is provided by certified personnel of CRFD.	Quarterly classes offered; others on an as-requested basis
Wildland Fire Mitigation Assessment	Trained members of CRFD provide Wildland assessments. Assessments are completed using FireWise and ICC, and Castle Rock Community Wildfire Protection Plan (CWPP).	As requested
Unmanned Aircraft System (UAS) Services	FAA licensed UAS piloted by FAA licensed pilot. Can fly UAS during emergency and non-emergency operations based on policy.	As requested or needed

Fire Headquarters

Fire Headquarters is co-located with Station 151 and serves as the primary office for the Operations Division, Life Safety Division, Administrative Services Division, and the Office of the Fire Chief. Fire Headquarters opened in 1999.

Station 151

Station 151 houses a quint, medic unit, battalion chief, type-III wildland engine, a reserve medic unit, and the 1929 antique fire truck.

Typical station assignments are:

- Quint 151: one Lieutenant, one Engineer, one Firefighter / EMT or Paramedic
- Medic 151: one Firefighter / EMT, one Firefighter / Paramedic
- Battalion Chief 151: one Battalion Chief

The type-III brush engine is cross-staffed as necessary.

Station 151 protects: Wilcox Square, Plum Creek, Baldwin Park, Castle North, and the Woodlands, as well as other neighborhoods and business districts. Several elementary schools, Douglas County High School, Castle Rock Town Hall, Douglas County administration buildings, parts of Interstate 25, and Rock Park also are in its service area.

Station 152

Station 152 houses an engine, type-VI brush truck, tracked rescue vehicle (TRV), Bureau 152, a reserve engine, and the 1956 antique fire truck. In addition to CRFD's standard extrication equipment, Engine 152 also carries a compliment of heavy extrication equipment.

Typical station assignments are:

- Engine 152: one Lieutenant, one Engineer, and one Firefighter / EMT or Paramedic
- Bureau 152: one Fire Prevention Officer

The type-VI brush truck and TRV are cross-staffed as necessary.

Station 152 protects Crystal Valley Ranch, Bell Mountain Ranch, Lost Canyon Ranch, portions of Plum Creek, a small commercial area, an elementary/middle school, and portions of Interstate 25.

Station 153

Station 153 houses an engine, type-VI brush truck, medic unit, and hazardous materials unit (HM153).

The typical station assignments are:

- Engine 153: one Lieutenant, one Engineer, and one Firefighter / EMT or Paramedic

- Medic 153: one Firefighter / EMT, one Firefighter / Paramedic

The type-VI brush truck and HM153 are cross-staffed as necessary.

Station 153 protects Founders Village, Castle Oaks, portions of Terrain, Castlewood Ranch, a small commercial area, a middle school, and three elementary schools.

Station 154

Station 154 houses an engine, medic unit, type-VI brush truck, and reserve engine. In addition to CRFD's standard extrication equipment, Engine 154 also carries a compliment of heavy extrication equipment.

Typical station assignments are:

- Engine 154: one Lieutenant, one Engineer, and one Firefighter / EMT or Paramedic
- Medic 154: one Firefighter / EMT and one Firefighter / Paramedic

The type-VI brush truck is cross-staffed as necessary.

Station 154 protects The Meadows, Highlands Vista, and Red Hawk areas. Also in the station's district are the Outlets at Castle Rock, a commercial area west of I-25, a high school, a middle school, three elementary schools, a large industrial area, and the Douglas County Sheriff's Office, which houses the Douglas Regional Communication Center (DRCC) providing dispatch services.

Station 155

Station 155 houses a quint, type-III wildland engine, technical rescue response vehicle (squad), collapse trailer, air/light trailer, reserve medic unit, and reserve quint.

Typical station assignments are:

- Quint 155: one Lieutenant, one Engineer, and one Firefighter / EMT or Paramedic

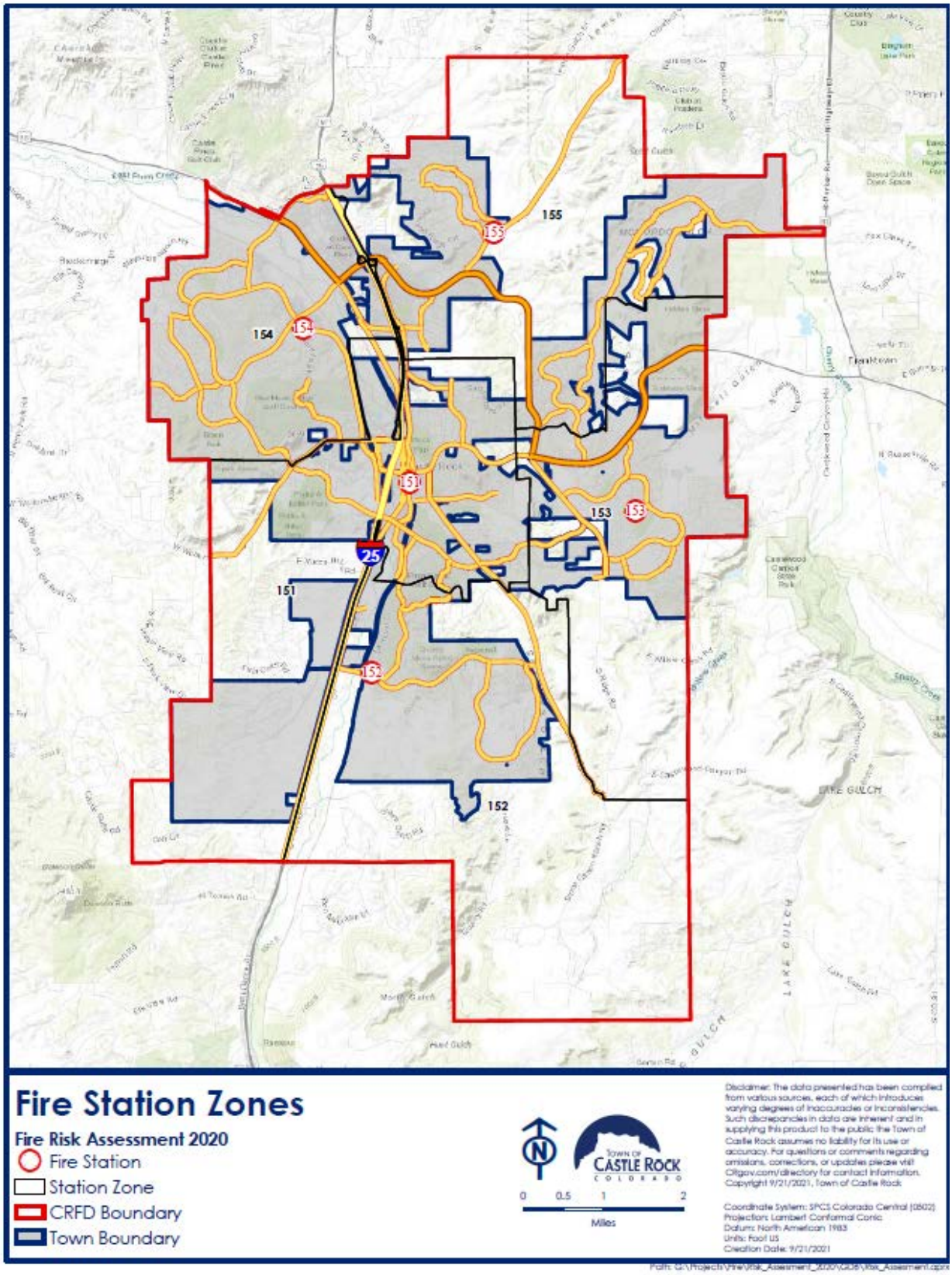
The type-III brush engine, squad & collapse trailer, and air/light trailer are cross-staffed as necessary.

Station 155 protects the residents on Crowfoot Valley Road, Founders Parkway, Silver Heights, Sapphire Point, Diamond Ridge, portions of Terrain, Cobblestone Ranch, and Metzler Ranch, Macants, several schools, as well as the large commercial area east of I-25 on the north end of Town.

Public Safety Training Facility:

The Public Safety Training Facility (PSTF) is comprised of three facilities; the North Building, consisting of large classroom facilities, restrooms, and storage areas; the South Building with office spaces and garage space/workshop for the Emergency Vehicle Technician (EVT); and the Fire Training Center (FTC), a five story training tower with class-A burn rooms on the 1st, 2nd and 4th floors. The PSTF South Building is the primary office building for the Training Division (Training Chief, Training Captain, and Safety and Training Officer (STO) and the Logistics Division (Logistics Chief, Support Service Technician, and EVT). These facilities house the support service unit, a four-wheel drive "gator", reserve staff car, reserve battalion vehicle, and snow plow.

Current Deployment Map 1.0



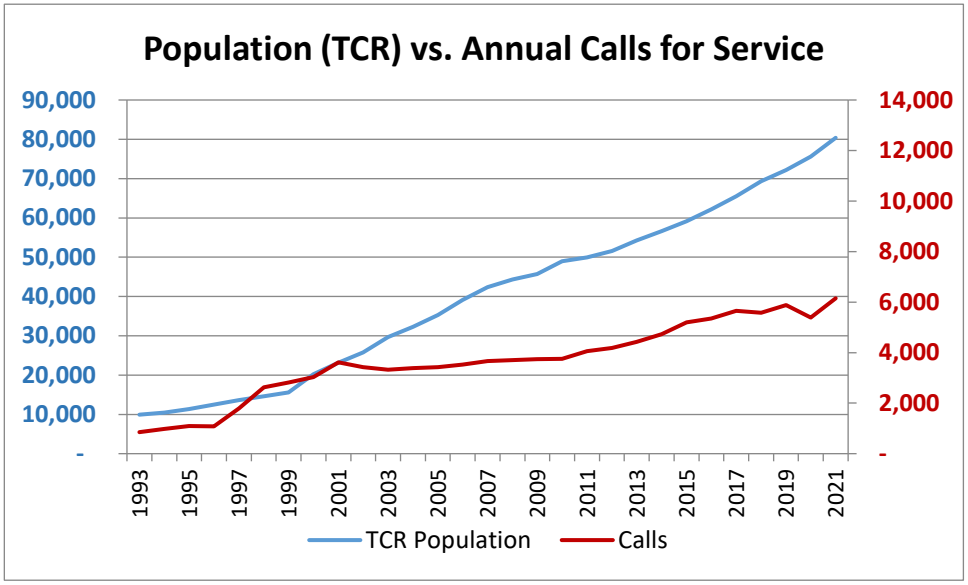
E. Historical Perspective and Summary of System Performance

Community Response History

The last few years proved to be challenging for several reasons. Overall, calls for service have increased, but with a notable drop (-8.3%) in 2020 primarily attributed to the COVID-19 pandemic, decreased traffic, and reluctance of people to seek medical attention, or call 911. The 2020 drop has affected the 5-year data trends with many trends showing a flat or slight increase over 5-years. However, in 2021, the annual calls for service increased by 14.1%. This increase is consistent with the long-term trend seen by CRFD.

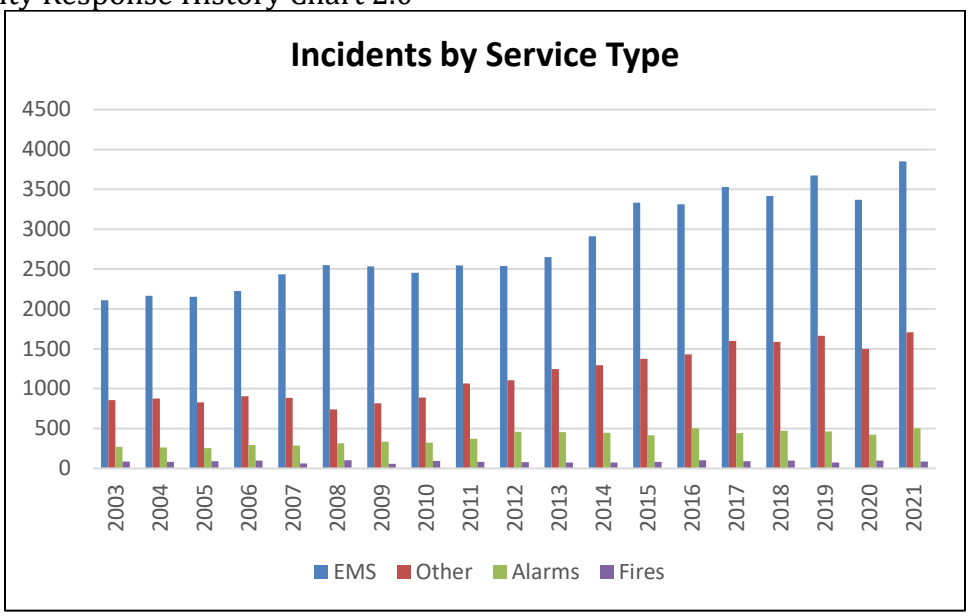
Since 2003, the population of the Town of Castle Rock has nearly tripled; increasing at a rate of 6.2% annually. Since 2003, the call volume has increased by 62% and 2.6% annually. Over the past five years (2017 - 2021), the call volume has increased by 8.7% and 3.1% annually while the population grew by 33.4% and 5.4% annually. In 2021, there was an increase in call volume of 758 incidents or 14.1% when compared to 2020.

Community Response History Chart 1.0



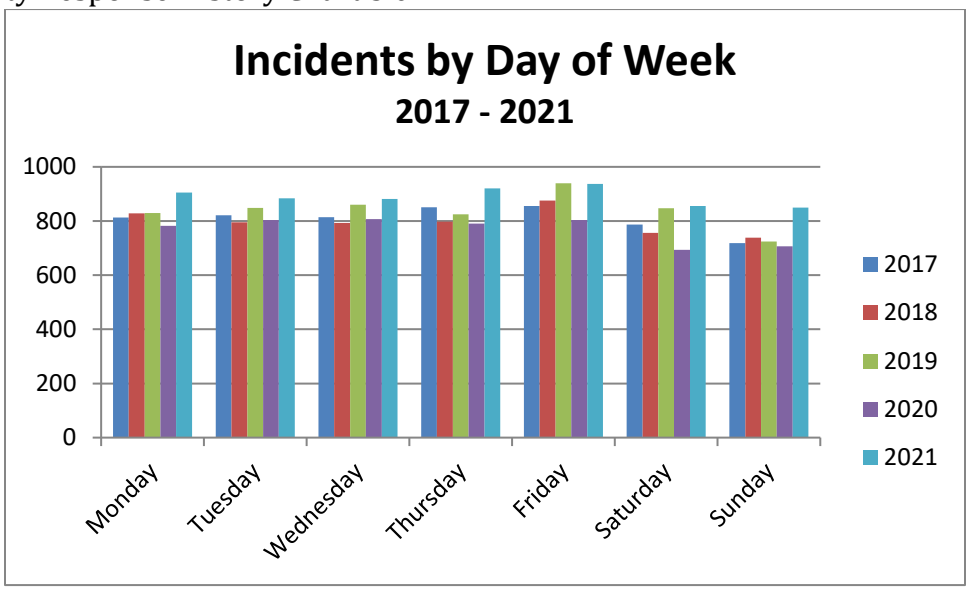
As the department's call volume increases, the distibution of incidents across service types has remained relatively static with EMS calls accounting for approximately 66% of the total call volume in 2021, and 64% since 2003. Fires represented 1% of calls in 2021, and 2% since 2003. Alarms represented 9% of the calls in 2021 and 9% since 2003. Other calls, represented the remaining 29% of the calls in 2021, and 26% since 2003.

Community Response History Chart 2.0



Call volume is generally evenly spread out during the week with less than a 9% fluctuation between from day to day.

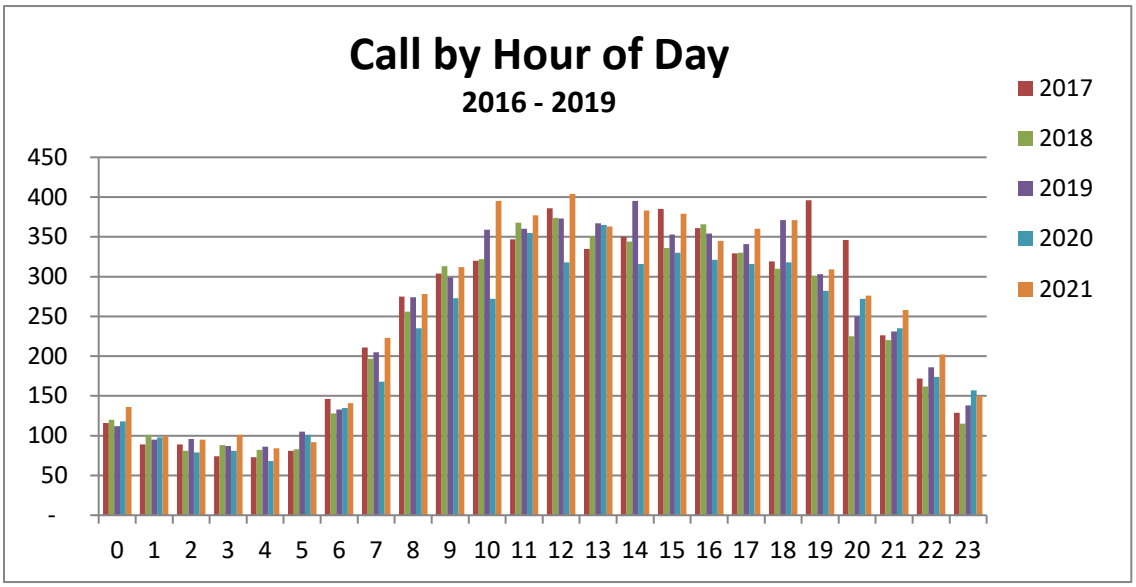
Community Response History Chart 3.0



As expected, call volume decreases after approximately 2300 hours until 0700 hours on a daily basis.

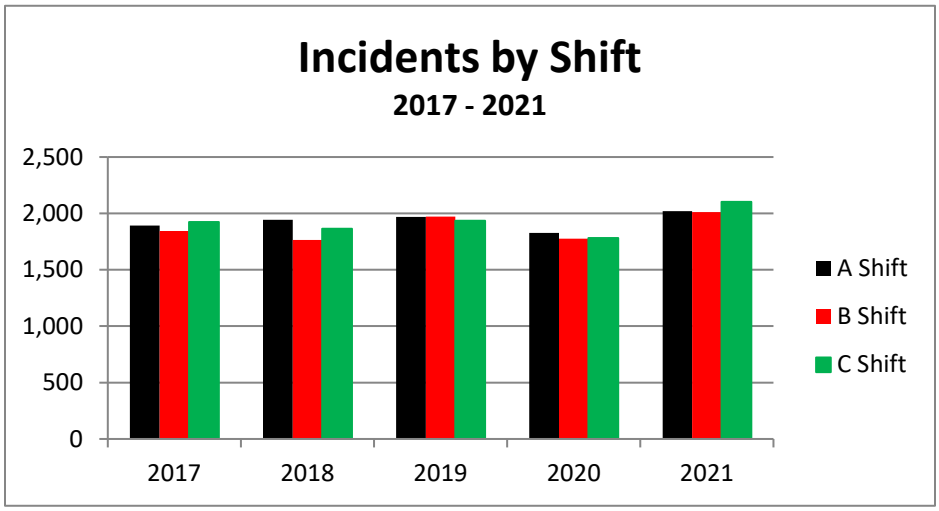
Community Response History Chart 4.0

Incidents by Hour of Day																									
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Totals
2017	116	89	89	74	73	81	146	211	275	304	320	347	386	335	350	385	361	329	319	396	346	226	172	129	5,65
2018	120	101	81	88	82	83	128	197	256	313	322	368	374	351	344	336	366	330	310	301	225	220	162	115	5,57
2019	112	95	96	87	86	105	133	205	274	299	359	360	373	367	395	353	354	341	371	303	250	231	186	138	5,87
2020	118	98	79	81	68	101	135	168	235	273	272	355	318	365	316	330	321	316	318	282	272	235	174	157	5,387
2021	136	99	95	101	84	92	141	223	278	312	395	377	404	363	383	379	345	360	371	309	276	258	202	150	6,133
17'-21' Total	602	482	440	431	393	462	683	1,004	1,318	1,501	1,668	1,807	1,855	1,781	1,788	1,783	1,747	1,676	1,689	1,591	1,369	1,170	896	689	28,62



Call distribution across the three shifts has varied, but there has been no study or determination as to why.

Community Response History Chart 5.0



Review of the historical performance includes a review of both the distribution (arrival of the 1st unit) and concentration (arrival of the effective response force).

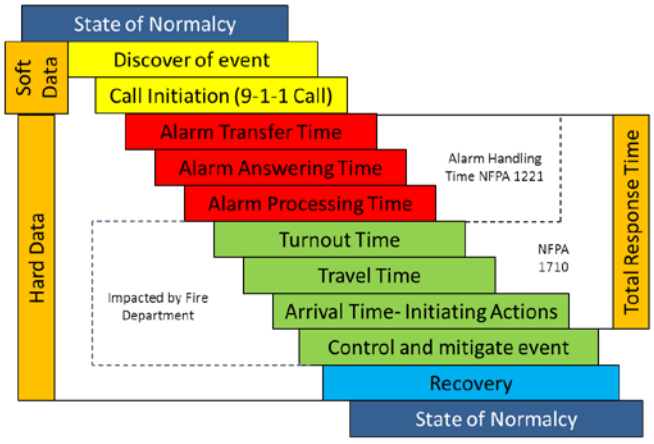
Reviewing distribution data confirmed a number of conclusions from previous versions of the Standards of Cover.

1. As will be seen in the Distribution Factor Response Time tables for the jurisdiction, stations and planning zones, population density has little impact on call processing or turnout time. However, if the incident occurs on a highway, the call processing time is significantly increased.
2. Station 151 has historically been the busiest station. However, Station 154's call volume has increased in the past five years largely due to residential development and construction of several long term care and assisted living facilities.
3. Planning Zone 6, Cobblestone Ranch, is growing quickly and approaching the call volume thresholds for a dedicated fire station.
4. Planning Zone 9 is growing quickly, meeting or exceeding the proposed 2021 Fire Master Plan call volume tenants for a new station, but performance of the first arriving unit is still acceptable.

The jurisdiction, as well as each of the five stations and nine planning zones, are described in detail in the Distribution Factors section of this document.

Composition of Total Response Time

As part of the distribution analysis, all emergent calls were evaluated to determine the total response times based on population density. CRFD defines total response time as the time from when the customer's call is received by the public safety answering point (PSAP) until the first unit arrives on scene. There are three components to the total response time; call processing, turnout, and travel, which are defined below.



- Call processing / alarm handling time: time to answer the call, process the call and dispatch appropriate apparatus
- Turnout time: time from when the crews are notified of the call until the apparatus is moving.
- Travel time: time from when the apparatus starts moving until it arrives on scene.

These components are then filtered by the five station response areas, then the nine planning zones. All times reported within the distribution study are reported at the 90th percentile, or performance 90 percent of the time. Should call volume be less than 10 in any given area, a maximum time or 100th percentile is reported.

Data Analysis and Statistical Limits

For the purpose of the Distribution Factors analysis, CRFD has established the following thresholds for statistical outliers. Any response time with a zero (0:00) time value is assumed to be a data error. This assumption is based on the premise that a zero time is the result of a data entry error. While there are a couple scenarios that could result in a zero-time value, i.e. walk-in medical at the station or crews arriving at a scene prior to the incident being received or processed by the dispatch center (for example, flagged down by a motorist or happening upon a motor vehicle accident), these are rare and would have limited effect on the overall analysis. Any response that exceeds the upper limit is assumed to be a data error. This assumption is based on the premise that the upper limit should include all normal responses. All raw data reports run in support of this distribution analysis include a review of lower and upper limit exclusions.

	Lower limit	Upper limit
Call Processing	0:00	5:00
Turnout	0:00	5:00
Travel	0:00	15:00
Total Response Time	0:00	20:00

For the purpose of the Concentration Factors analysis, CRFD has established the following thresholds for statistical outliers. Any response time with a zero (0:00) time value is assumed to be a data error. This assumption is based on the premise that a zero time is the result of a data entry error. While there are a couple scenarios that could result in a zero time values (i.e. walk-in medical at the station or crews arriving at a scene prior to it being receive or processed by the dispatch center), these are rare and would have limited effect on the overall analysis. Any response that exceeds the upper limit is assumed to be a data error. This assumption is based on the premise that the upper limit should include all normal responses. For all effective response force studies, other than EMS, all extended response time are individually verified to ensure data validity. All raw data reports run in support of this distribution analysis include a review of lower and upper limit exclusion.

	Lower limit	Upper limit
ERF Travel	0:00	25:00
ERF Total Response Time	0:00	30:00

All analysis is limited to emergent responses within the CRFD jurisdiction. All incidents reviewed must be emergent responses for both the initial arriving apparatus (distribution) and all units required by the critical task analysis (CTA). If an incident is within another agency district and CRFD provided aid, it is not included in CRFD's incident analysis (distribution or concentration).

Distribution Factors

For the purpose of this document, Distribution shall be defined as a geographic area. These areas are calculated at a jurisdictional, station response area (current deployment) and nine theoretical station planning zones (PZ). Evaluating the current distribution model provides historical baselines for performance. Evaluating the smaller PZs provides greater resolution on local performance and trends within a station's first due area. The primary distribution factor is the arrival of the 1st due apparatus. Other distribution factors that were evaluated in conjunction with call volume were:

- Simultaneous call volume
- Response time
- 1st Due compliance (based on population density)

The department consists of five stations staffing three type-II engines, two quints (minimum three-person staffing each), three medic units (two-person staffing), and one battalion chief. When examining distribution, the primary means of evaluation is the arrival of the first unit on scene. It is the arrival of the first unit that allows the company officer to "size-up", or determine the scope and complexity of the incident, and either request additional resources or return units to service. In addition to the primary apparatus, all stations cross-staff a brush truck. Station 153 also cross-staffs the department's hazardous materials (HAZMAT) truck that is a regional asset. Station 155 cross-staffs the department's technical rescue squad, collapse trailer, and a regional air/light trailer.

	Daily Staffing *(minimum)*				
	Suppression Apparatus	Medic	Battalion Chief	Cross-Staffed Units	Daily Staffing
Station 151	Quint 151 4 *(3)*	Medic 151 2 *(2)*	BA151 1 *(1)*	Brush 151 (Type III)	7 *(6)*
Station 152	Engine 152 4 *(3)*	N/A	N/A	Brush 152 (Type VI) Tracked Rescue Vehicle	4 *(3)*
Station 153	Engine 154 4 *(3)*	Medic 153 2 *(2)*	N/A	Brush 153 (Type VI) HAZMAT 153	6 *(5)*
Station 154	Engine 154 3 *(3)*	Medic 154 2 *(2)*	N/A	Brush 154 (Type VI)	5 *(5)*
Station 155	Quint 155 4 *(3)*	N/A	N/A	Brush 155 (Type III) Squad 155 Collapse Trailer Air/Light Trailer	4 *(3)*
	19 *(15)*	6 *(6)*	1 *(1)*	N/A	26 *(22)*

The department added the response category of Interstate in the distribution study. This was done in an attempt to assess what impact the interstate has on call volume and response times even though it does not have a static population like the fire management zones. Distribution Factors Table 1.0 provides a breakdown of area center lane miles, population and population density by station and planning zone.

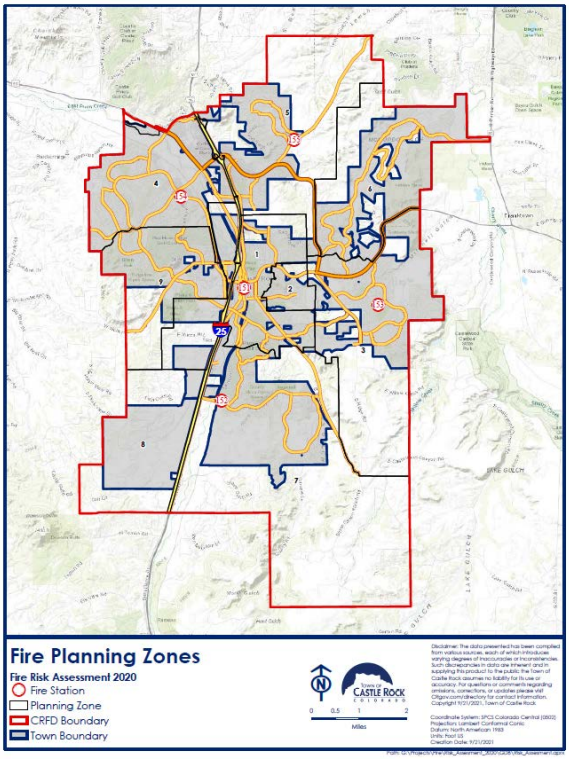
Distribution Factors Table 1.0

Fire Station	Square Miles		Lane Miles		Population[1]			
151	15.1	%	128	%	13,787	%	/mile²	Rural
152	17.9	%	100	%	8,075	%	/mile²	Rural
153	10.6	%	137	%	14,276	%	/mile²	Urban
154	8.3	%	208	%	27,063	%	/mile²	Urban
155	10.6	%	145	%	14,276	%	/mile²	Rural
CRFD Total	**66.4**	**100%**	**718**	**100%**		**100%**	**1,098/mile²**	**Urban**

Planning Zone	Square Miles		Lane Miles		Population			
PZ1	6.06	%	100	%	10,804	%	1,783/mile²	Urban
PZ2	0.89	%	14	%	1,685	%	1,893/mile²	Urban
PZ3	9.05	%	130	%	13,895	%	1,137/mile²	Urban
PZ4	5.95	%	165	%	19,998	%	3,361/mile²	Urban
PZ5	9.03	%	86	%	7,704	%	853/mile²	Rural
PZ6	6.90	%	66	%	7,270	%	1,054/mile²	Urban
PZ7	17.80	%	100	%	8,075	%	454/mile²	Rural
PZ8	5.33	%	26	%	243	%	46/mile²	Rural
PZ9	4.61	%	56	%	8,114	%	1,760/mile²	Urban
Interstate		%			N/A	N/A	N/A	N/A

The Distribution Factors Map 1.0 displays the five station areas and the nine station planning zones. The grey shaded areas within each planning zone represent areas within the Town of Castle Rock, while the unsded shaded areas are unincorporated Douglas County and represent the Castle Rock Fire Protection District (CRFPD).

Distribution Factors Map 1.0

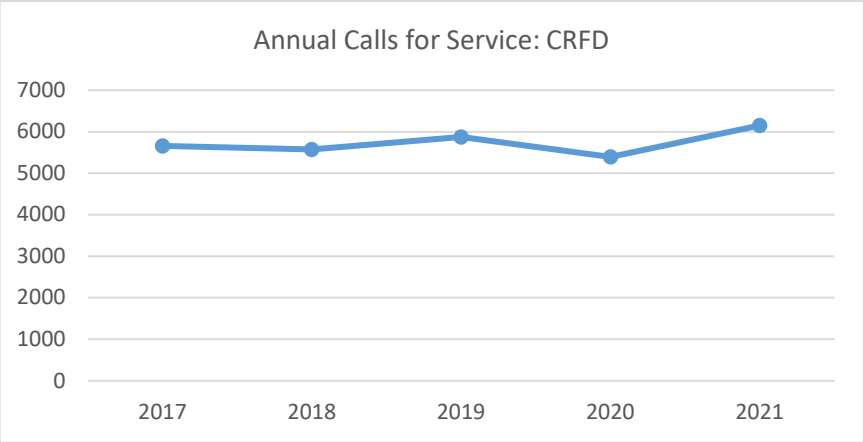


[1] Population estimates based on 2019 American Community Survey data not Town of Castle Rock Development Services population estimates

Castle Rock Fire and Rescue Department

Castle Rock Fire and Rescue Department covers 66 square miles and a total population of roughly 84,000 residents. The Town of Castle Rock represents 34 square miles and 80,400 residents. The Castle Rock Fire Protection District encompasses the remaining 32 square miles and 3,600 residents. The jurisdiction has a median home value of $422,100 and median household income of $109,700.

Distribution Factors Chart 1.0 CRFD Incident Volume by Year



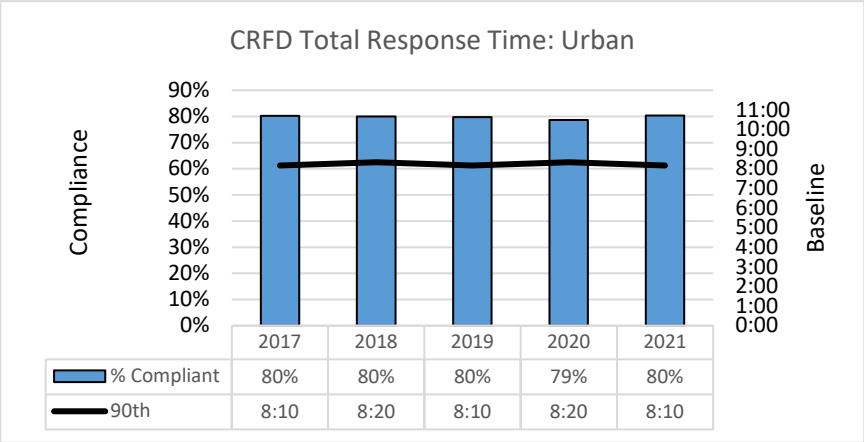
Distribution Factors Table 2.0: CRFD Baseline Performance

CRFD: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:36	1:36	1:40	1:27	1:31	1:38	1:00	0:36	70.8%
		n= 16359	n= 3581	n= 3150	n= 3376	n= 3052	n= 3200			
Turnout Time		1:47	1:44	1:47	1:49	1:48	1:48	1:38	0:06	86.3%
		n= 16076	n= 3420	n= 3079	n= 3358	n= 3045	n= 3174			
Travel Time 1st Unit	Urban	5:50	5:50	5:50	6:00	5:50	5:50	4:32	1:18	70.6%
		n= 11843	n= 2628	n= 2399	n= 2443	n= 2128	n= 2245			
	Rural	7:10	7:10	7:30	6:50	7:10	7:30	5:32	1:38	71.5%
		n= 3768	n= 799	n= 656	n= 756	n= 761	n= 796			
	Interstate	8:00	6:40	7:10	8:00	8:50	8:00	7:32	-0:52	95.0%
		n= 733	n= 121	n= 107	n= 181	n= 156	n= 168			
Total Response Time 1st Unit	Urban	8:10	8:10	8:20	8:10	8:20	8:10	7:10	1:00	80.4%
		n= 11893	n= 2667	n= 2401	n= 2449	n= 2132	n= 2244			
	Rural	9:40	9:30	9:50	9:10	9:30	10:00	8:10	1:20	80.3%
		n= 3789	n= 812	n= 657	n= 757	n= 765	n= 798			
	Interstate	11:00	9:30	9:40	11:10	11:40	11:50	10:10	-0:40	93.7%
		n= 743	n= 127	n= 107	n= 184	n= 157	n= 168			

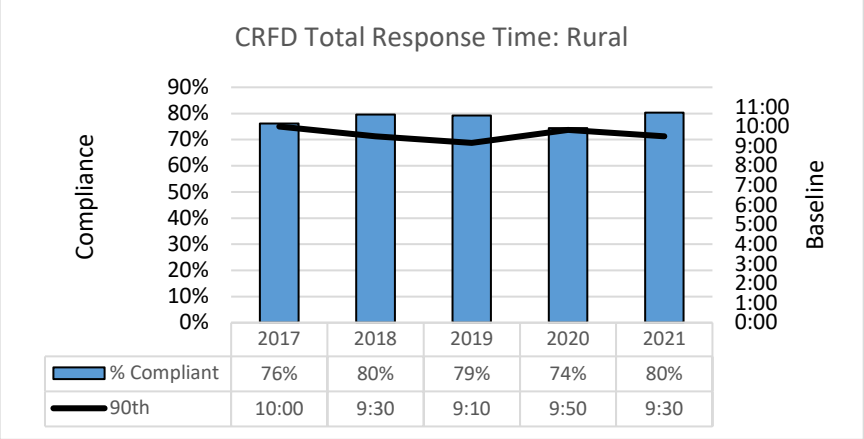
Distribution Factors Table 2.1 Simultaneous Call Volume: CRFD (all incidents)

1-Year Delta	26%	Simultaneous Calls				
5-Year Delta	5%	2017	2018	2019	2020	2021
CRFD		32.2%	32.1%	31.8%	28.2%	31.1%
		1824	1789	1866	1519	1914

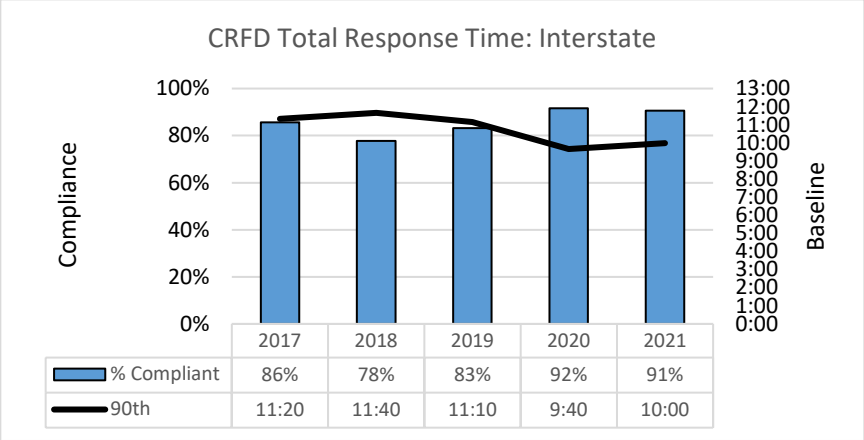
Distribution Factors Chart 1.1: CRFD 1st Due Urban Compliance



Distribution Factors Chart 1.2: CRFD 1st Due Rural Compliance



Distribution Factors Chart 1.2: CRFD 1st Due Interstate Compliance



CRFD Summary:

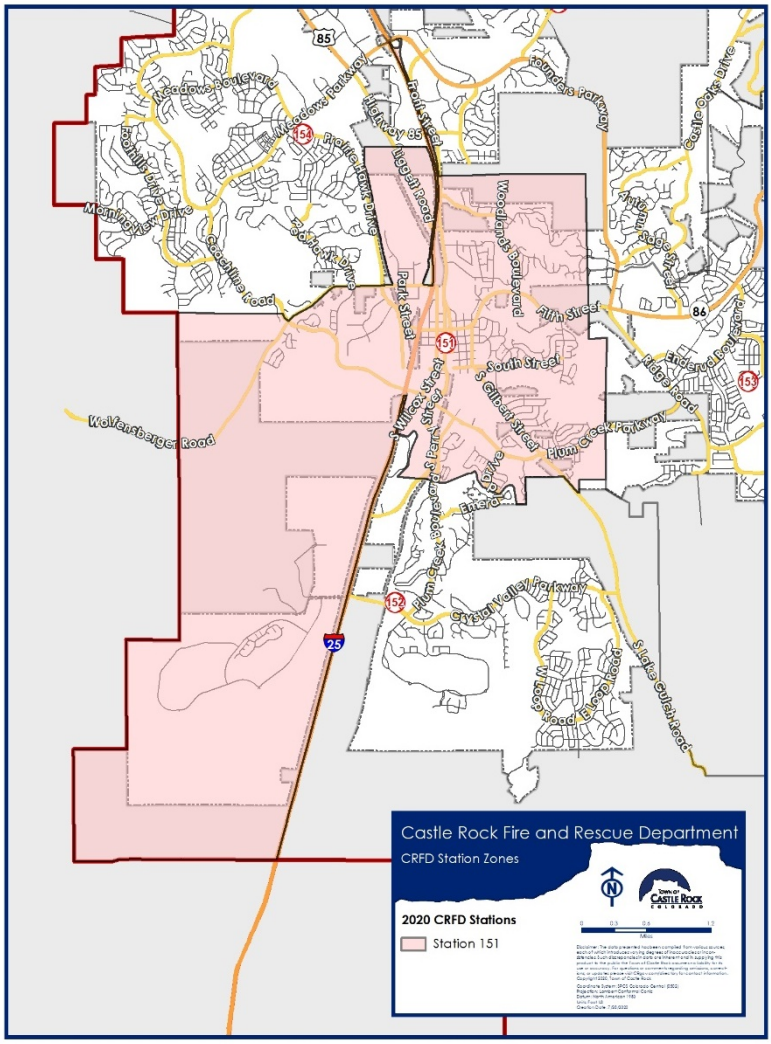
In 2017, the department changed its compliance reporting methodology from adjusting benchmarks annually based on the previous year's 85th percentile to a benchmark based on the 80th percentile. This was done to avoid confusion of reporting to moving targets, the ability to track progress towards a static goal, and establish a goal based on actual department performance.

Since 2017, total calls for service increased by 8.7% from 5,660 to 6,150 in 2021. In 2020, the department saw an 8.2% decrease in calls for service from 2019 due to the COVID-19 pandemic, which is consistent regionally and nationally. Of the calls for service between 2017 and 2021, 61% were EMS, 32% other, 3% HAZMAT, 1% fire, and less than 1% were technical rescue. During that same timeframe, simultaneous calls fluctuated between 28 and 32 percent. While the number of simultaneous calls has increased, the percent of total calls has remained fairly stable because the overall call volume has increased as well. The department's total response time for the 1st arriving apparatus remained relatively stable and compliance to adopted benchmarks remained about 80 percent for urban and rural areas. Responses to the highway are trending down and performance is increasing with nearly 94 percent compliance to the adopted benchmark on 10:10 total response time for the first arriving apparatus.

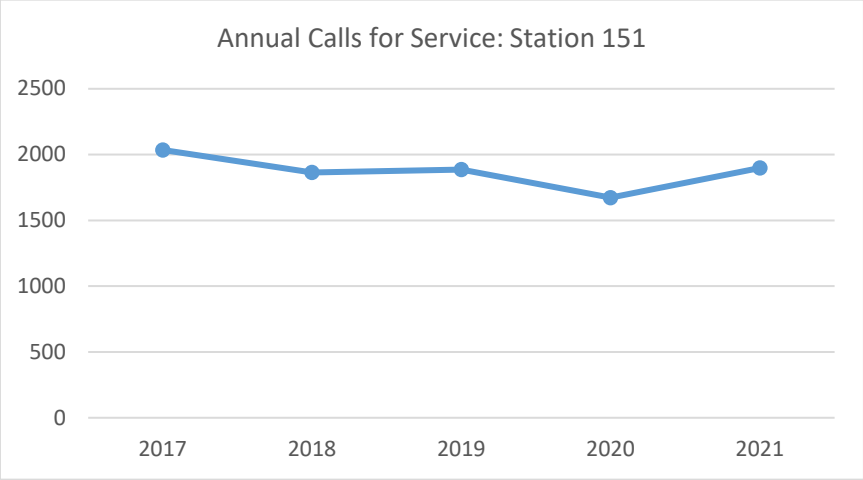
Station 151

Station 151 is located in the historic downtown area of Castle Rock with two access points to Interstate I-25 (exits 181, 182). Station 151's district is the 2nd largest within the jurisdiction at 15.06 square miles (22.7%), having approximately 128 lane miles and an overall population of roughly 13,787 (17.7%) residents. Station 151 maintains primary response coverage for PZ1, PZ2, PZ8, and portions of PZ9. Station 151 has an estimated 5,138 homes with a median home value is $475,172 and an average household income of $101,069. Station 151 has an estimated 358 households below the national poverty level and 1,159 households with at least one person with a disability. Table 4.0 shows the time analysis for Station 151 and is also displayed in Charts 3.1, 3.2, and 3.3.

Distribution Factors Map 2.0: Station District 151



Distribution Factors Chart 3.0: Station 151 Incident Volume by Year



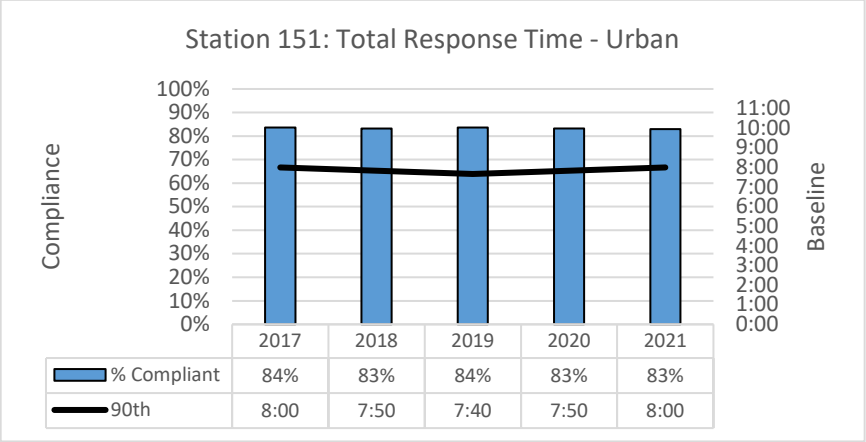
Distribution Factors Table 4.0: Station 151 Baseline Performance

Station 151: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:39	1:47	1:44	1:29	1:34	1:38	1:00	0:47	66.8%
		n= 5554	n= 1135	n= 974	n= 1148	n= 1090	n= 1207			
Turnout Time		1:01	1:47	1:51	1:48	1:52	1:52	1:38	0:09	84.9%
		n= 5470	n= 1083	n= 957	n= 1137	n= 1090	n= 1203			
Travel Time 1st Unit	Urban	5:30	5:40	5:30	5:20	5:30	5:40	4:32	1:08	75.2%
		n= 4014	n= 835	n= 745	n= 840	n= 800	n= 794			
	Rural	6:40	5:30	5:40	5:20	5:50	8:20	5:32	-0:02	91.0%
		n= 1105	n= 211	n= 174	n= 218	n= 202	n= 300			
	Interstate	7:40	6:10	8:50	8:30	8:00	8:20	7:32	-1:22	97.6%
		n= 440	n= 85	n= 60	n= 88	n= 82	n= 125			
Total Response Time 1st Unit	Urban	7:50	8:00	7:50	7:40	7:50	8:00	7:10	0:50	83.0%
		n= 4030	n= 849	n= 744	n= 842	n= 802	n= 793			
	Rural	9:10	8:10	8:30	7:10	7:50	11:00	8:10	0:00	90.5%
		n= 1108	n= 211	n= 174	n= 219	n= 204	n= 300			
	Interstate	10:50	8:50	9:40	12:00	11:00	12:30	10:10	-1:20	96.6%
		n= 446	n= 88	n= 60	n= 90	n= 83	n= 125			

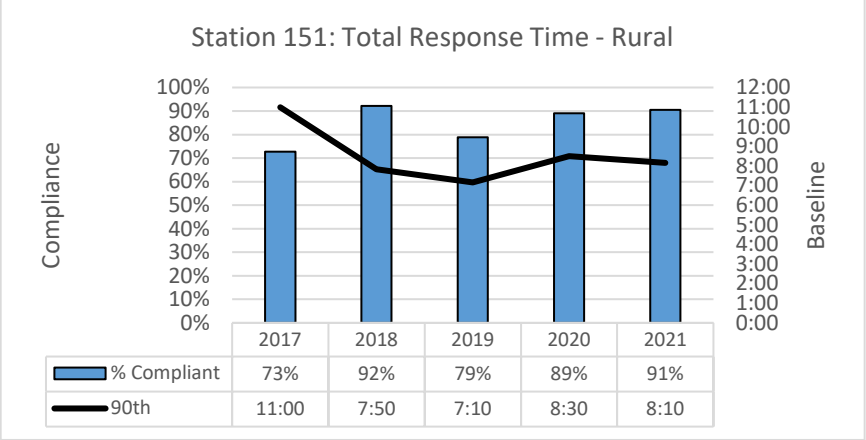
Distribution Factors Table 4.1: Station 151 Simultaneous Call Volume

1-Year Delta	61%	Simultaneous Calls				
5-Year Delta	-12%	2017	2018	2019	2020	2021
151		12.3%	10.7%	11.8%	8.2%	11.6%
		250	200	222	137	220

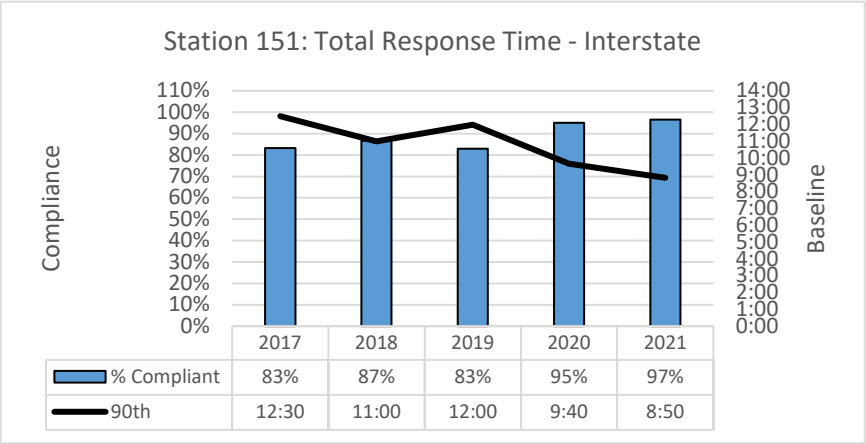
Distribution Factors Chart 3.1: Station 151 1st Due Urban Compliance



Distribution Factors Chart 3.2: Station 151 1st Due Rural Compliance



Distribution Factors Chart 3.3: Station 151 1st Due Interstate Compliance



Station 151 Summary:

Station 151's total call volume decreased by 6.7% (136) between 2017 and 2021. On average in 2021, 11.6 percent of those calls occurred simultaneously with another call in 151's district. Between 2017 and 2021, in cases where Quint 151 was not the 1st arriving unit (14.5% of the time), the response time increased by 3:01. Station 151's compliance for urban areas has been between 83 and 84 percent to adopted benchmarks, and was 83.0 percent in 2021. Station 151's compliance in the rural areas has been between 73 and 92 percent to adopted benchmarks, and was 90.5 percent in 2021. Compliance time on I-25 has been between 80 and 96 percent, and was 96.6 percent in 2021. Rural and Interstate times are more volatile than the Urban times due to a smaller sample sizes.

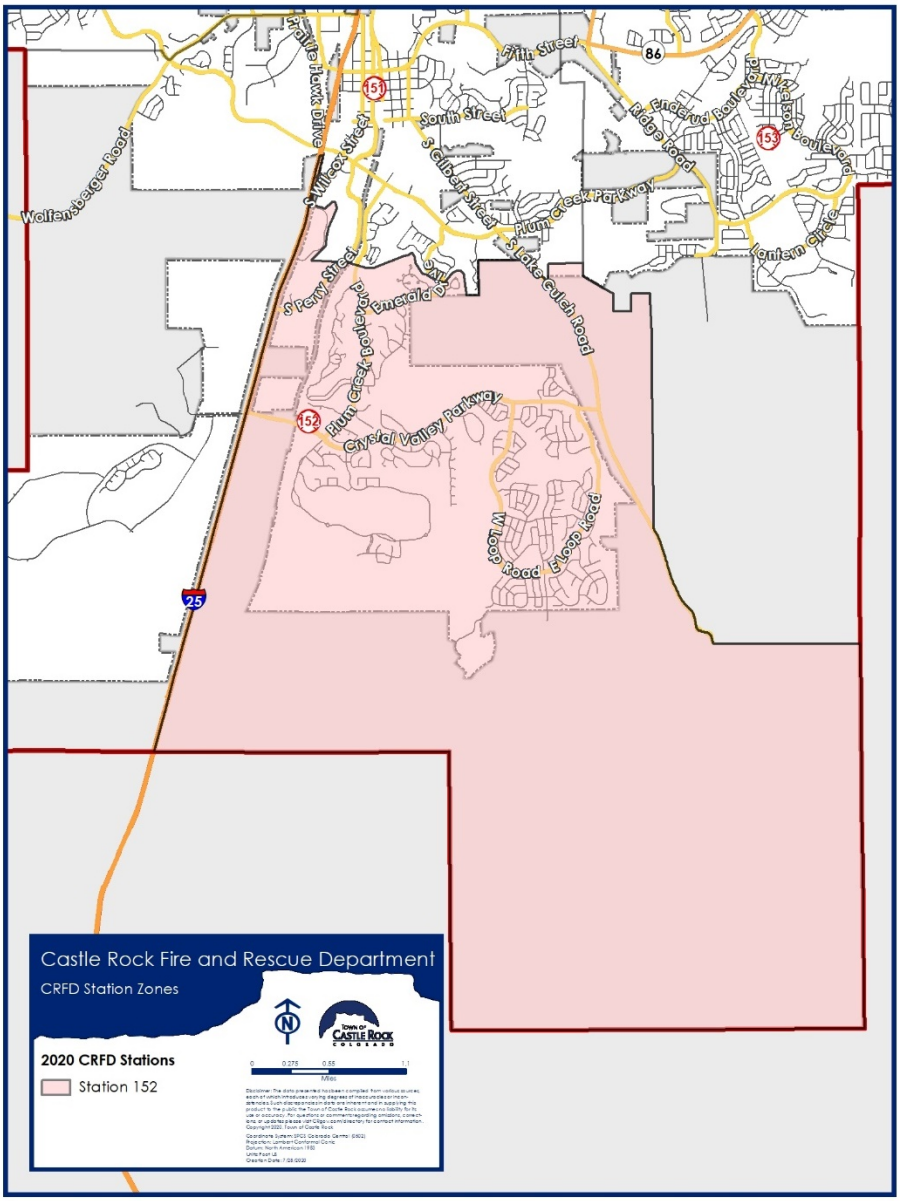
It is important to note that a large portion of Station 151's 1st due area was dedicated to Station 152 in August of 2018. In 2021, Station 152 responded to 294 incidents that would have been covered by Station 151. Additionally, Station 152 allowed the department to re-draw station 151 & 154 boundaries to balance call volumes and workload. Specifically, Station 151 assumed responsibility for fire management zones 15924 and 15925.

The department has recognized the performance gap in the southwestern portion of Station 151's jurisdiction, specifically PZ8. However, given the limited call volume (less than 10 calls annually) and low population (353 residents), there are no plans for a dedicated station in this area. The department will continue to closely monitor potential changes in the development, zoning, and access to PZ8, and will plan accordingly for any growth.

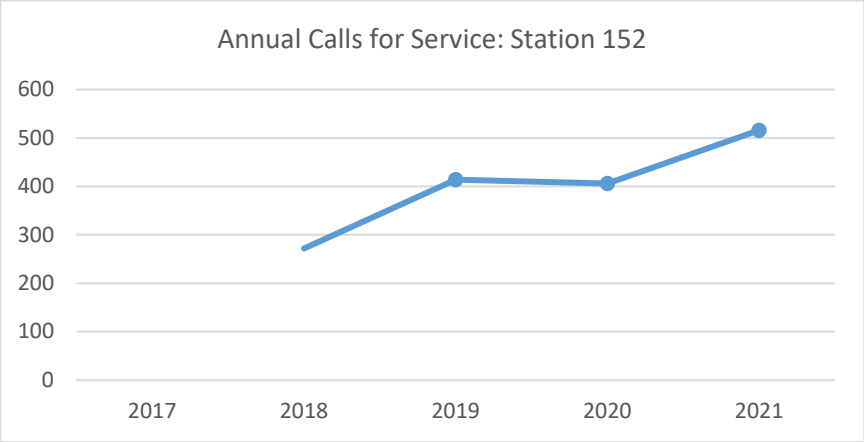
Station 152

Station 152 is located in the south portion of the jurisdiction. Station 152 has the largest of CRFD's station districts at 17.88 square miles (27.0%), having approximately 100 lane miles, and an overall population of roughly 8,075 (10.4%) residents. Station 152 maintains primary response coverage for PZ7 and northbound I-25 from exit 174 to exit 181. Station 152 has an estimated 1,858 homes with a median home value of $714,113 and an average household income of $188,045. Station 152 has an estimated 30 households below the national poverty level and 347 households with at least one person with a disability. Table 5.0 shows the time analysis for Station 152 and is also displayed in Charts 4.1, 4.2, and 4.3.

Distribution Factors Map 3.0 Station District 152



Distribution Factors Chart 4.0: Station 152 Incident Volume by Year



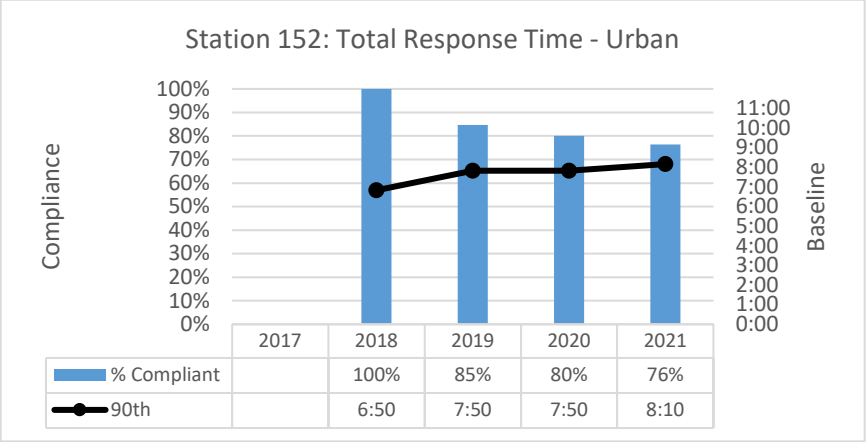
Distribution Factors Table 5.0: Station 152 Baseline Performance

Station 152: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:41	1:47	1:45	1:44	1:29	N/A	1:00	0:47	**66.7%**
		n= 997	n= 294	n= 245	n= 271	n= 187	n= 0			
Turnout Time		1:50	1:46	1:55	1:49	1:51	N/A	1:38	0:08	85.0%
		n= 993	n= 286	n= 240	n= 277	n= 190	n= 0			
Travel Time 1st Unit	Urban	5:50	6:00	5:40	5:50	5:00	N/A	4:32	1:28	**60.0%**
		n= 341	n= 110	n= 100	n= 112	n= 19	n= 0			
	Rural	8:50	8:50	8:30	8:10	9:30	N/A	5:32	3:18	**38.4%**
		n= 510	n= 164	n= 124	n= 101	n= 121	n= 0			
	Interstate	9:20	7:50	9:50	7:20	9:40	N/A	7:32	0:18	86.7%
		n= 141	n= 15	n= 21	n= 63	n= 42	n= 0			
Total Response Time 1st Unit	Urban	8:00	8:10	7:50	7:50	6:50	N/A	7:10	1:00	**76.4%**
		n= 341	n= 110	n= 100	n= 112	n= 19	n= 0			
	Rural	11:20	11:00	11:00	11:40	11:50	N/A	8:10	2:50	**54.2%**
		n= 516	n= 168	n= 125	n= 101	n= 122	n= 0			
	Interstate	12:00	11:30	13:00	10:30	12:40	N/A	10:10	1:20	87.5%
		n= 142	n= 16	n= 21	n= 63	n= 42	n= 0			

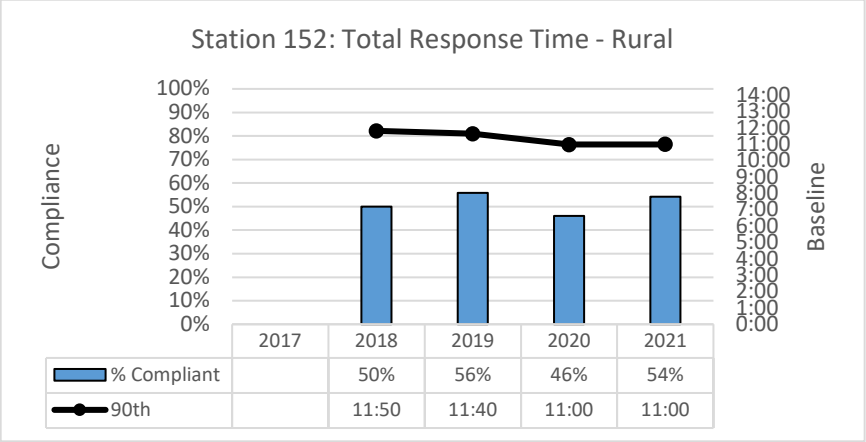
Distribution Factors Table 5.1: Station 152 Simultaneous Call Volume

1-Year Delta	-7%	Simultaneous Calls				
4-Year Delta	117%	2017	2018	2019	2020	2021
152		N/A	2.2%	2.7%	3.4%	2.5%
		N/A	6	11	14	13

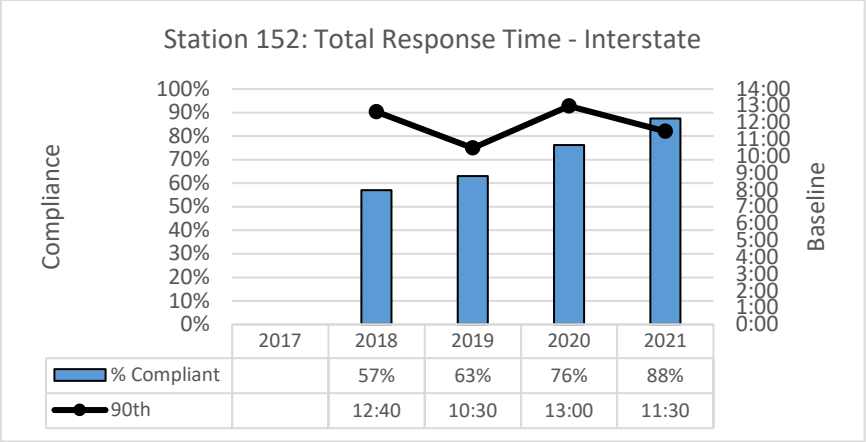
Distribution Factors Chart 4.1: Station 152 1st Due Urban Compliance



Distribution Factors Chart 4.2: Station 152 1st Due Rural Compliance



Distribution Factors Chart 4.3: Station 152 1st Due Interstate Compliance



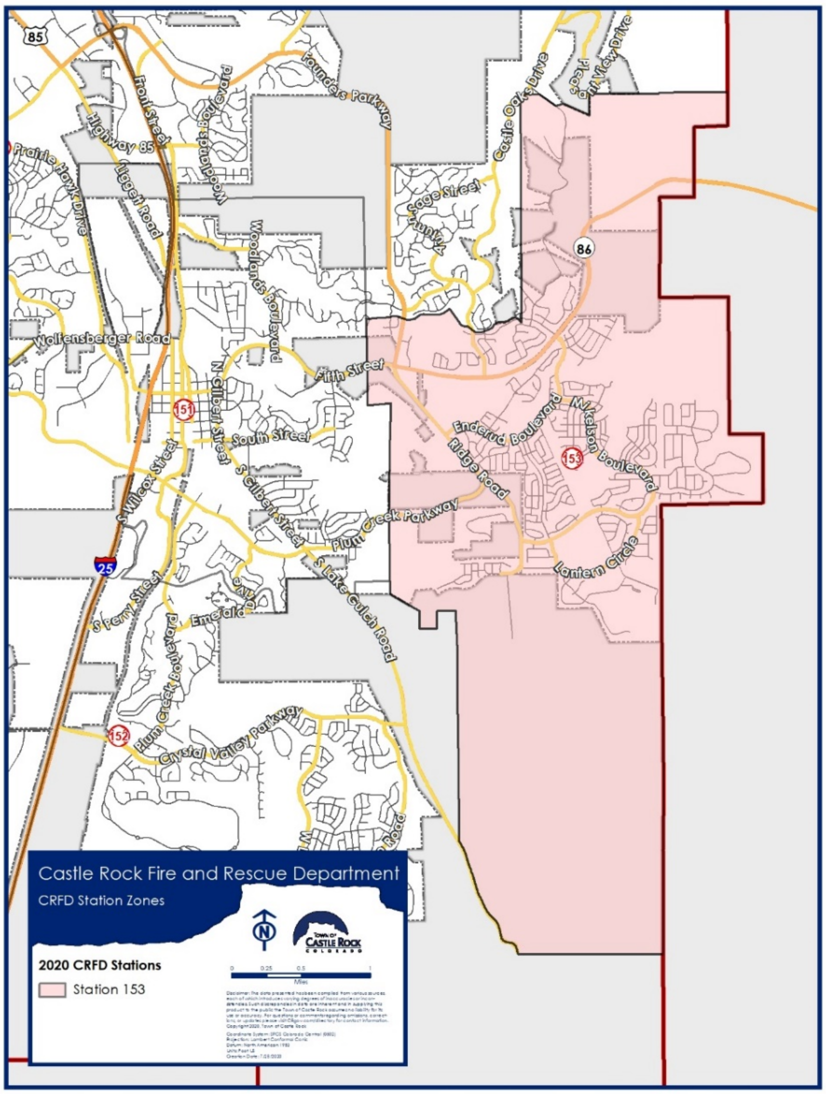
Station 152 Summary:

Station 152 was placed in service in August 2018 and the total response time for the 1st arriving suppression apparatus in urban areas, specifically FMZ 15740 and 15136S, have improved from 12:10 prior to Station 152 to 8:10. However, due to the distance to many of the rural areas and the limited number of calls for service, those response times have remained relatively flat. Between 2018 and 2021, when Engine 152 was not the 1st arriving unit (11.0 percent of the time), the response time increased by 3:11.

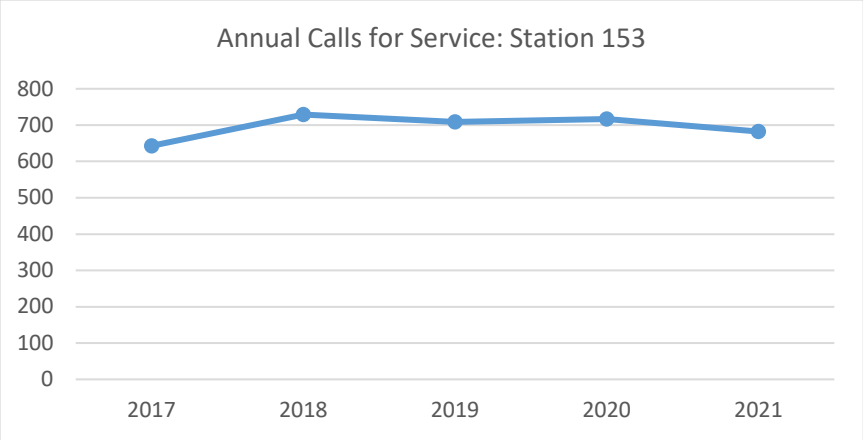
Station 153

Station 153 is located within a residential neighborhood on the eastern side of the jurisdiction. Station 153 ‘s district is tied for the 2nd smallest station district at 10.58 square miles (16.0%), having approximately 137 lane miles and an overall population of roughly 14,276 (18.4%%) residents. Station 153 maintains primary response coverage for PZ3 and part of PZ6. Station 153 has an estimated 3,743 homes with a median home value of $432,629 and an average household income of $128,953. Station 153 has an estimated 128 households below the national poverty level and 552 households with at least one person with a disability. Table 6.0 shows the time analysis for Station 153 and is also displayed in Charts 5.1 and 5.2.

Distribution Factors Map 4.0: Station District 153



Distribution Factors Chart 5.0: Station 153 Incident Volume by Year



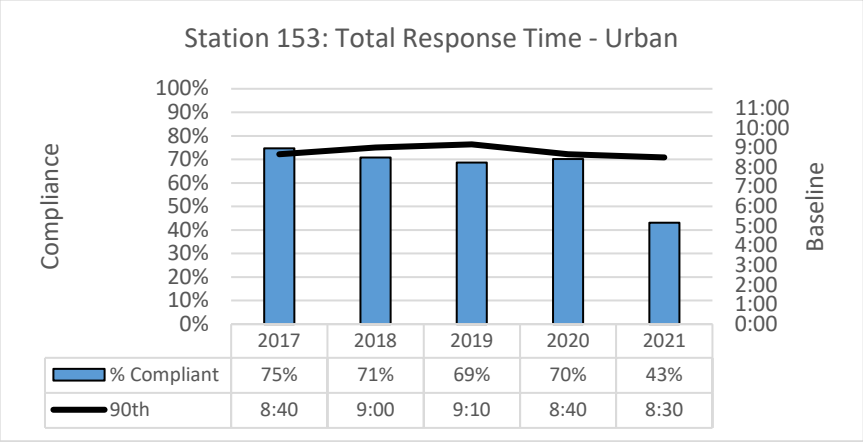
Distribution Factors Table 6.0: Station 153 Baseline Performance

Station 153: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:33	1:29	1:45	1:27	1:26	1:35	1:00	0:29	76.3%
		n= 2072	n= 464	n= 453	n= 410	n= 373	n= 372			
Turnout Time		1:50	1:49	1:53	1:47	1:48	1:50	1:38	0:11	81.9%
		n= 2033	n= 447	n= 444	n= 403	n= 371	n= 368			
Travel Time 1st Unit	Urban	6:40	6:00	6:20	6:50	7:10	6:40	4:32	1:28	66.1%
		n= 1562	n= 387	n= 371	n= 247	n= 288	n= 269			
	Rural	9:10	8:00	10:00	10:00	8:20	9:10	5:32	2:28	46.4%
		n= 409	n= 69	n= 85	n= 66	n= 87	n= 102			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
Total Response Time 1st Unit	Urban	8:50	8:30	8:40	9:10	9:00	8:40	7:10	1:20	43.1%
		n= 1670	n= 393	n= 372	n= 348	n= 288	n= 269			
	Rural	11:40	10:00	12:10	11:30	11:00	12:50	8:10	1:50	65.3%
		n= 411	n= 72	n= 85	n= 66	n= 87	n= 101			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			

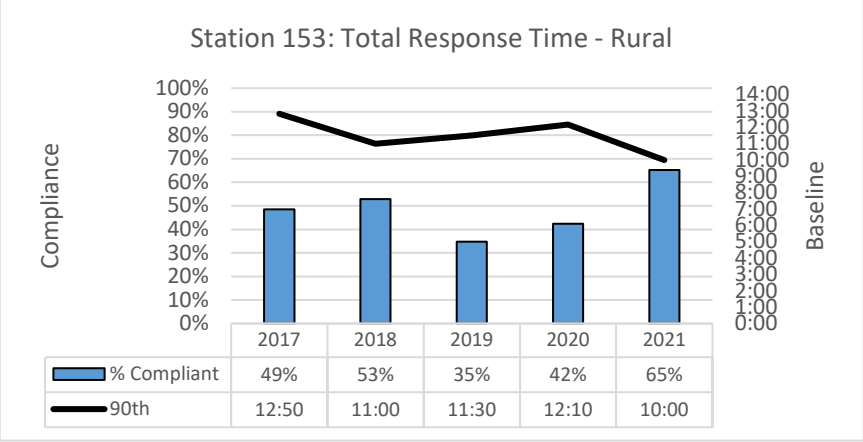
Distribution Factors Table 6.1: Station 153 Simultaneous Call Volume

1-Year Delta	-8%	Simultaneous Calls				
5-Year Delta	22%	2017	2018	2019	2020	2021
153		4.2%	4.3%	7.2%	5.0%	4.8%
		27	31	51	36	33

Distribution Factors Chart 5.1: Station 153 1st Due Urban Compliance



Distribution Factors Chart 5.2: Station 153 1st Due Rural Compliance



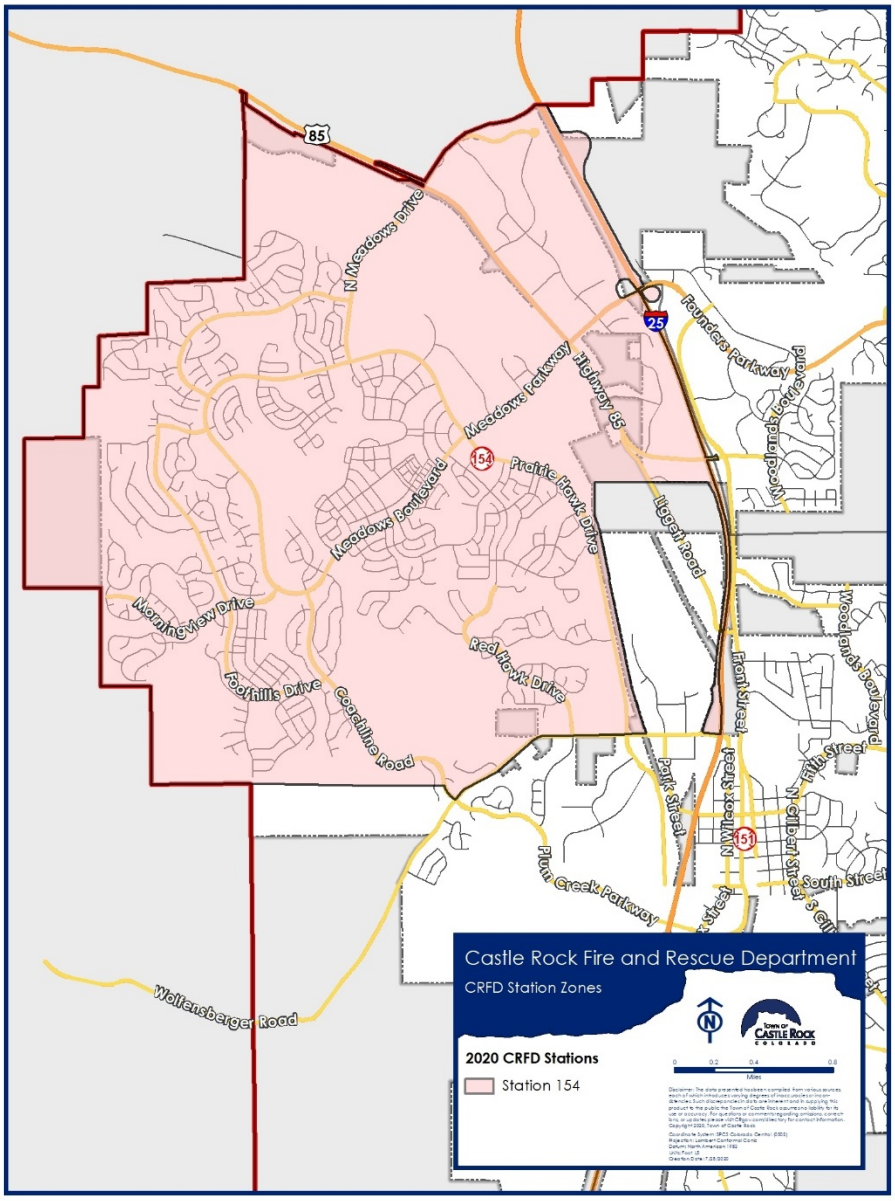
Station 153 Summary:

Station 153 had an increase in call volume of 6.1% (39) between 2017 – 2021 with 4.8% of the calls occurring simultaneously with another call in 153's district. In cases where Engine 153 was not the 1st arriving unit (20.5 percent of the time), the response time increased by 3:24. Station 153's response time compliance in the urban population areas has been between 69% and 43% to adopted benchmarks. Station 153's response time compliance for the rural population areas ranges between 35% and 65%. There are three main factors in these compliance numbers. First, Station 153 covers a large, long narrow area with the rural population densities at the southern and northern ends of the district. The road network in these areas include soft surface (gravel) roads that require apparatus to travel at slower speeds to maintain safety. Additionally, the relatively low call volume leads to greater volatility in the data set.

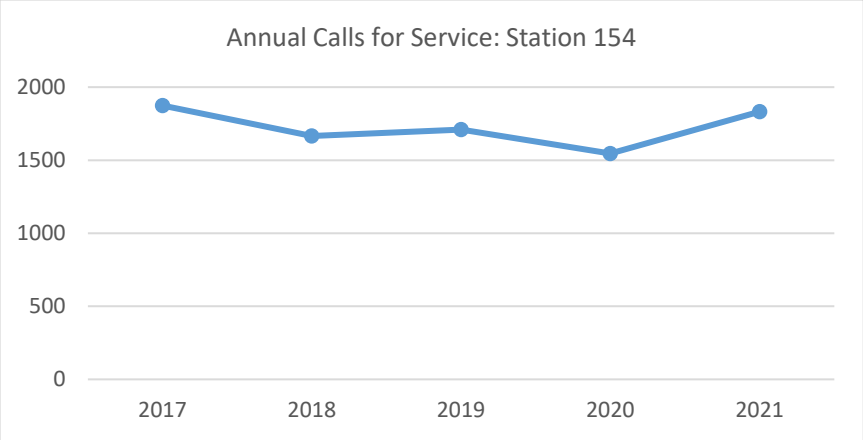
Station 154

Station 154 is located in the northwestern portion of the jurisdiction, with two access points to I-25 (exits 184 and 185). Of the five station districts, Station 154 is the smallest in area at 8.27 square miles, with 208 lane miles. However, Station 154 is the most populous district with 27,063 (34.8%) residents. Station 154 maintains primary response coverage for PZ4 and portions of PZ9. Station 154 has an estimated 7,358 homes with a median home value of $470,774 and an average household income of $136,143. Station 154 has an estimated 217 households below the national poverty level and 1,270 households with at least one person with a disability. Table 7.0 shows the time analysis for Station 154 and is also displayed in Charts 6.1, 6.2, and 6.3.

Distribution Factors Map 5.0: Station District 154



Distribution Factors Chart 6.0: Station 154 Incident Volume by Year



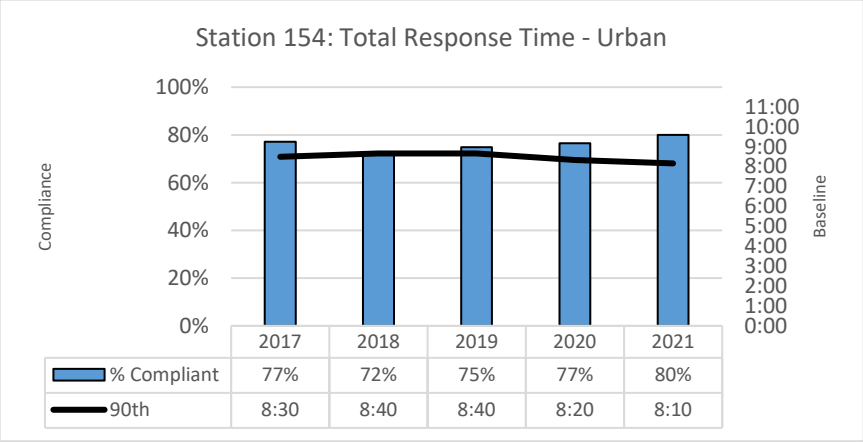
Distribution Factors Table 7.0: Station 154 Baseline Performance

Station 154: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:35	1:35	1:41	1:24	1:31	1:36	1:00	0:35	72.0%
		n= 5126	n= 1108	n= 988	n= 1025	n= 945	n= 1060			
Turnout Time		1:44	1:40	1:41	1:44	1:46	1:48	1:38	0:02	88.6%
		n= 5010	n= 1047	n= 956	n= 1020	n= 939	n= 1048			
Travel Time 1st Unit	Urban	6:00	5:50	6:00	6:10	6:00	5:50	4:32	1:18	69.6%
		n= 3817	n= 869	n= 798	n= 725	n= 666	n= 759			
	Rural	5:20	5:20	4:50	5:00	5:10	5:30	5:32	-0:12	93.3%
		n= 1274	n= 210	n= 164	n= 368	n= 253	n= 279			
	Interstate	7:30	7:00	7:30	7:20	7:50	6:30	7:32	-0:32	90.5%
		n= 131	n= 21	n= 26	n= 30	n= 32	n= 22			
Total Response Time 1st Unit	Urban	8:30	8:10	8:20	8:40	8:40	8:30	7:10	1:00	80.0%
		n= 3832	n= 881	n= 799	n= 727	n= 666	n= 759			
	Rural	7:30	7:10	7:20	7:10	7:30	7:50	8:10	-1:00	95.8%
		n= 1181	n= 214	n= 165	n= 268	n= 254	n= 280			
	Interstate	10:00	11:10	9:20	9:50	12:10	9:30	10:10	1:00	87.0%
		n= 134	n= 23	n= 26	n= 31	n= 32	n= 22			

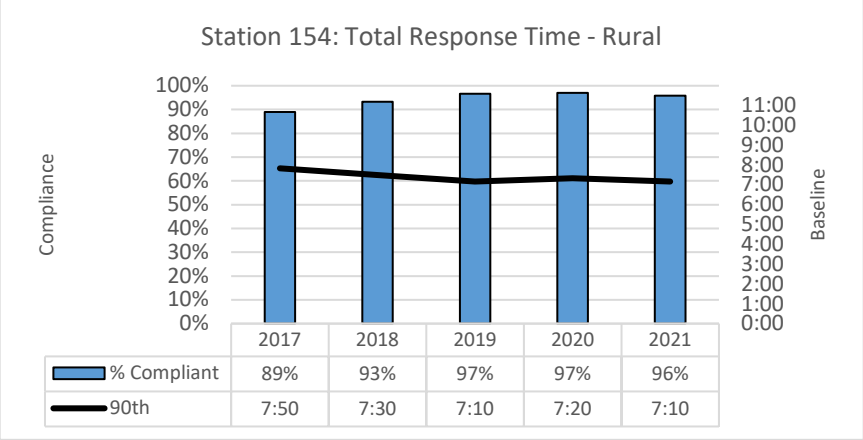
Distribution Factors Table 7.1 Station 154 Simultaneous Call Volume

1-Year Delta	37%	Simultaneous Calls				
5-Year Delta	-23%	2017	2018	2019	2020	2021
154		12.8%	11.4%	9.5%	8.7%	10.0%
		240	189	162	134	184

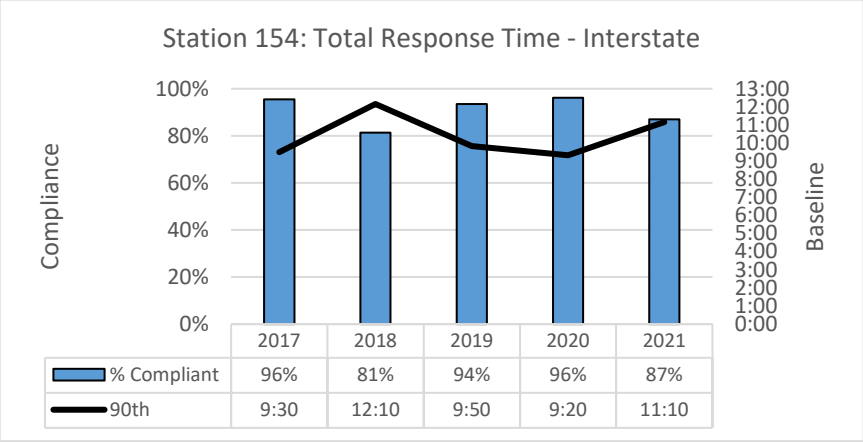
Distribution Factors Chart 6.1: Station 154 1st Due Urban Compliance



Distribution Factors Chart 6.2: Station 154 1st Due Rural Compliance



Distribution Factors Chart 6.3: Station 154 1st Due Interstate Compliance



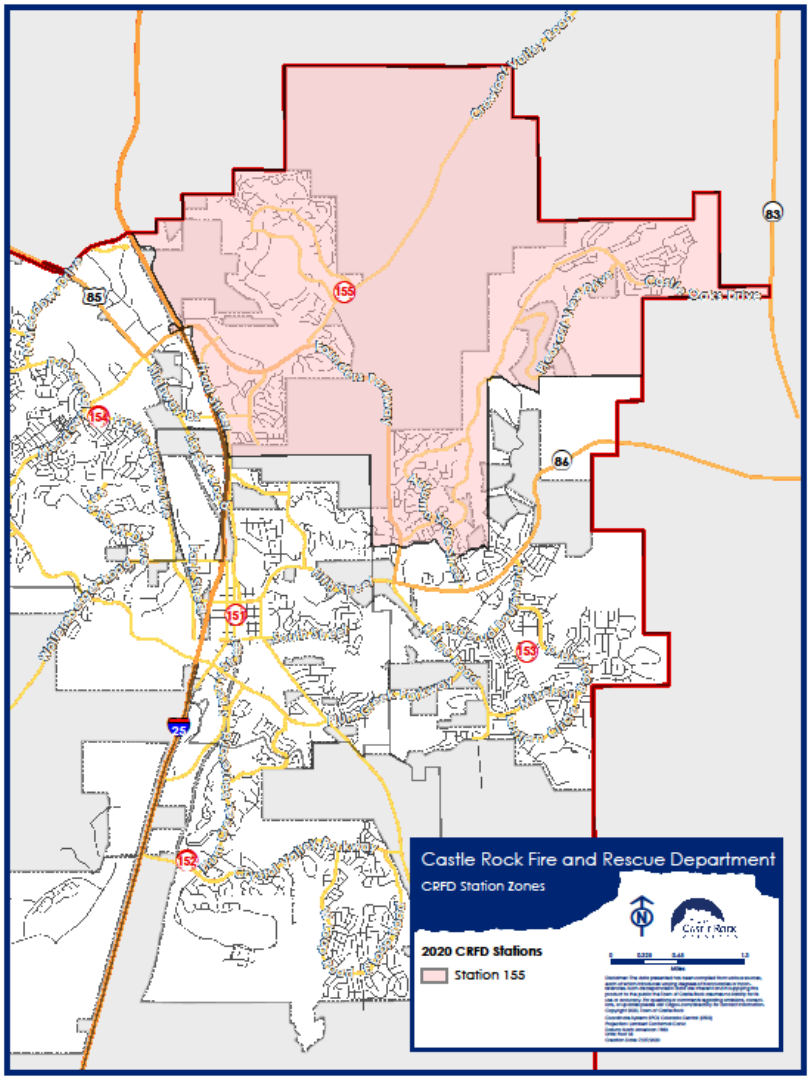
Station 154 Summary:

Station 154 is the most populous station district, and has seen a decrease in call volume of 2.2 percent (41) since 2016 with roughly 10% of those calls occurring simultaneously with another call in 154's district. In cases where Engine 154 was not the first unit to arrive (13.7 percent of the time), the response time increased by 3:12. Station 154's rural compliance has remained very high since 2017. This is largely in part due to the proximity of the rural areas to the station. Fire management zones (FMZ) 15409, 15411, and 15414 are commercial/retail centers and represent 23% of its call volume from 2017 - 2021. Additionally, the Douglas County Sheriff's Office and jail resides in FMZ 15414, which accounted for 4.7% of all calls in Station 154's area between 2017 – 2021. Station154's urban compliance has varied between 72 and 80 percent over the last five years. One reason for the lower compliance in the urban areas is that roughly 33 percent of the calls within the urban areas (FMZ 15422, 15923, 15925, and 15949) are along the western border of the jurisdiction and southern border of Station 154's response area that require navigation around a large butte or through the most populous residential areas in the jurisdiction.

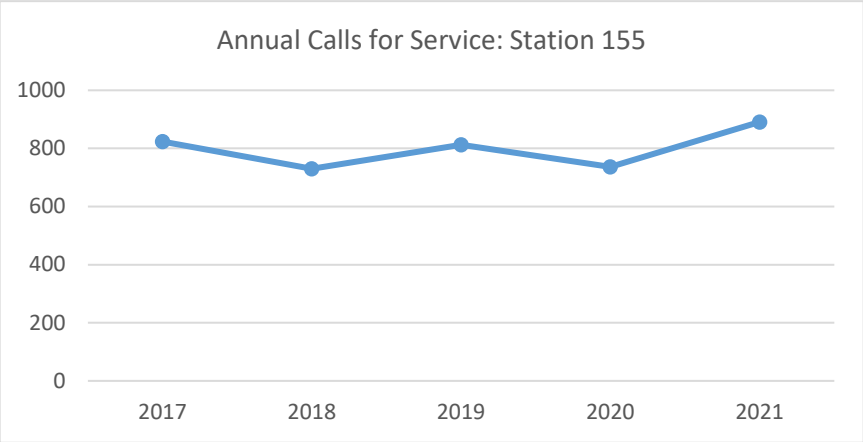
Station 155

Station 155 is located in the northeastern portion of the jurisdiction, centered between several residential neighborhoods and east of Castle Rock's main retail centers. Station 155 is tied for the 2nd smallest district with respect to area at 10.58 square miles (16.0%), with lane miles 145. Station 155 is the third most populous area with 14,276 (18.4%) residents. Station 155 maintains primary response coverage for PZ5 and part of PZ6. Station 155 has an estimated 4,152 homes with a median home value of $538,983 and an average household income of $163,673. Station 155 has an estimated 153 households below the national poverty level and 682 households with at least one person with a disability. Table 8.0 shows the time analysis for Station 154 and is also displayed in Charts 7.1, 7.2.

Distribution Factors Map 6.0: Station District 155



Distribution Factors Chart 6.0: Station 155 Incident Volume by Year



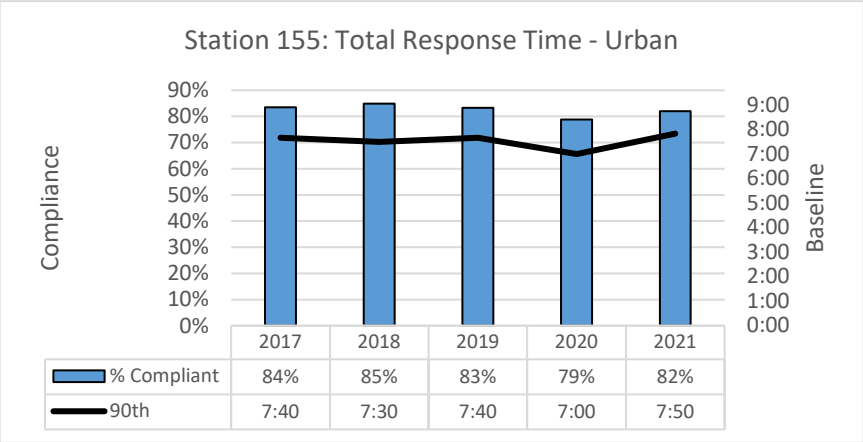
Distribution Factors Table 8.0: Station 155 Baseline Performance

Station 155: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:29	1:27	1:32	1:22	1:29	1:31	1:00	0:27	74.0%
		n= 2607	n= 578	n= 490	n= 522	n= 457	n= 560			
Turnout Time		1:42	1:41	1:43	1:41	1:42	1:44	1:38	0:03	89.2%
		n= 2566	n= 555	n= 481	n= 521	n= 455	n= 554			
Travel Time 1st Unit	Urban	5:30	5:40	5:30	5:30	5:20	5:20	4:32	1:08	
		n= 2009	n= 427	n= 385	n= 419	n= 355	n= 423			
	Rural	6:50	7:10	6:50	6:40	6:30	7:00	5:32	1:38	
		n= 567	n= 143	n= 108	n= 103	n= 98	n= 115			
	Interstate	6:50	N/A	N/A	N/A	N/A	6:00	7:32	N/A	N/A
		n= 20	n= 0	n= 0	n= 0	n= 0	n= 20			
Total Response Time 1st Unit	Urban	7:50	7:50	7:00	7:40	7:30	7:40	7:10	0:40	82.0%
		n= 2020	n= 434	n= 386	n= 420	n= 357	n= 423			
	Rural	9:10	9:30	9:00	7:20	8:50	9:30	8:10	1:20	59.3%
		n= 571	n= 145	n= 108	n= 103	n= 98	n= 117			
	Interstate	10:20	N/A	N/A	N/A	N/A	10:.20	10:10	N/A	N/A
		n= 19	n= 0	n= 0	n= 0	n= 0	n= 19			

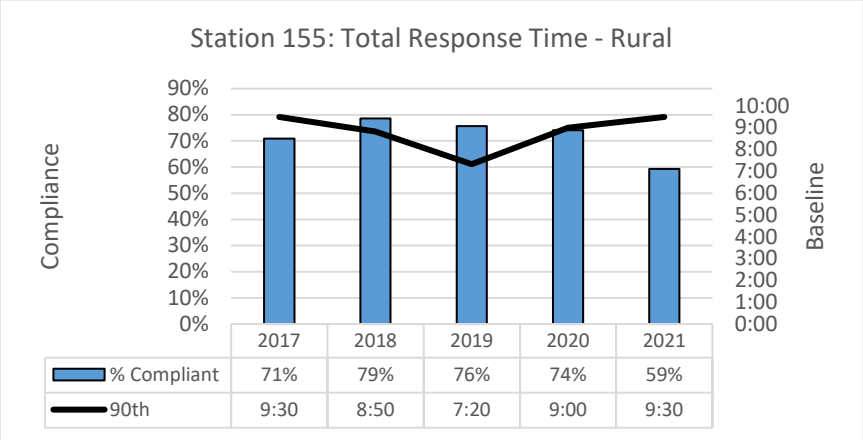
Distribution Factors Table 8.1 Station 155 Simultaneous Call Volume

1-Year Delta	13%	Simultaneous Calls				
5-Year Delta	4%	2017	2018	2019	2020	2021
155		6.1%	5.8%	4.7%	6.3%	5.8%
		50	42	38	46	52

Distribution Factors Chart 7.1: Station 155 1st Due Urban Compliance



Distribution Factors Chart 7.2.: Station 155 1st Due Rural Compliance



Station 155 Summary:

The call volume in Station 155 has remained relatively stable since 2017, with the most notable change in 2021 with an increase of 19 percent from 2020 and an overall increase of 8.1 percent since 2017. Roughly 6% of calls occurr simultaneously with another in 155's district. In cases where Quint 155 was not the first unit to arrive (11.4 percent of the time), the response time increased by 1:48. Station 155's response time compliance in the urban areas has been as low as 79% in 2020 to as high as 85% in 2018. Station 155's response time compliance in the rural areas has been as low as 59% in 2021 and as high as 79% in 2018. In 2018, based on response data and travel time analysis, Station 154 assumed Station 155's interstate responses. In 2019, after road and bridge improvements along Castle Oaks Drive in FMZ 15617, Station 155 assumed 1st due responsibility for FMZ 15617 and 15603 from Station 153. FMZ 15603 still receives an automatic aid response with Franktown Fire Protection District given its distance from any CRFD fire station. When responding to FMZ 15603 (rural), Q155's 90th percentile response time is 16:00. CRFD

recognizes the increasing call volume, growth, and response time challenges in Planning Zone 6 and monitors its response and performance metrics regularly in an attempt to forecast the need for additional resources based on the performance thresholds in the 2021 Fire Master Plan.

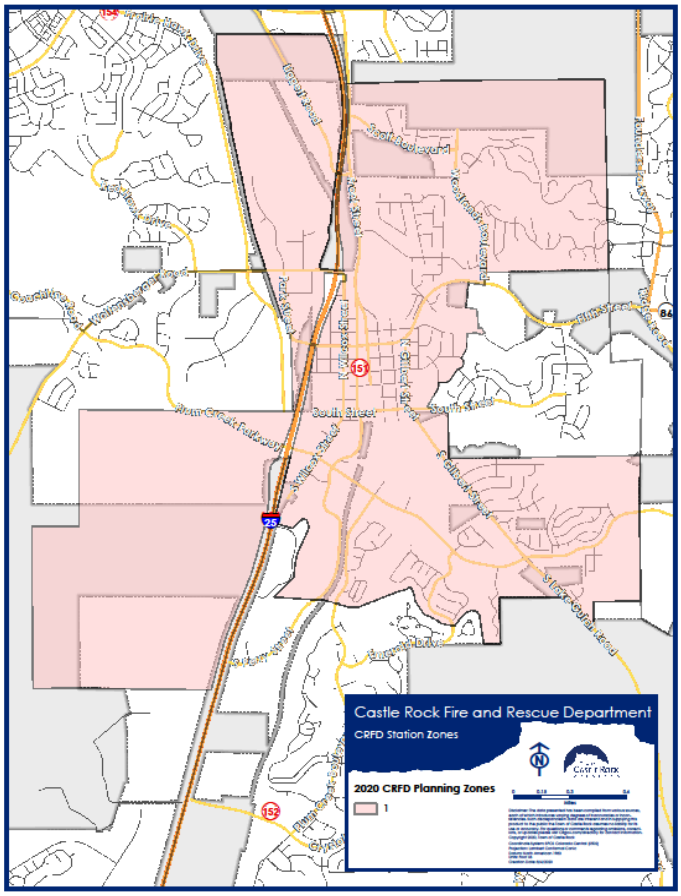
Planning Zone Analysis

Planning Zone 1 (PZ1)

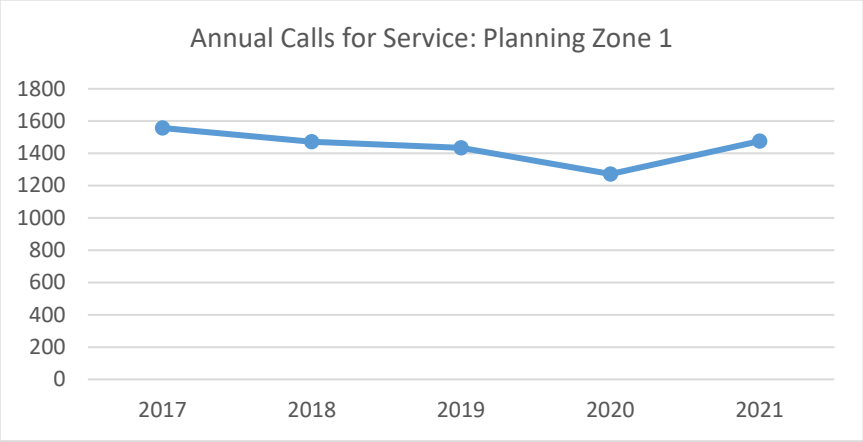
PZ1 covers 6.06 square miles with an estimated population of 10,804 (population density 1,783/mile2), and is 81.7% residential, 17.3% commercial, and 0.9% agricultural. PZ1 contains roughly 33% of the commercial square footage in the jurisdiction. PZ1 has 100 lane miles. PZ1 includes the historic Downtown area, Craig & Gould, Young American, Plum Creek, and The Woodlands neighborhoods and a section of railroad that runs parallel to Perry St. and a portion of Interstate 25 with two access points (exits 181, 182). Buildings in this PZ vary dramatically in their age (from late 1800s to current), construction and protection systems, and residences have a median home value of $472,944. The average household income in PZ1 is $97,981.

Additionally, there are an estimated 291 households below the national poverty level and 945 households with at least one person with a disability. PZ1 includes two high schools, three elementary schools, two multi-story senior facilities, two assisted living facilities, one skilled nursing center, seven multi-family condos/apartment complexes, and 19 churches.

Distribution Factors Map 7.0: Planning Zone 1



Distribution Factors Chart 8.0: PZ1 Incident Volume by Year



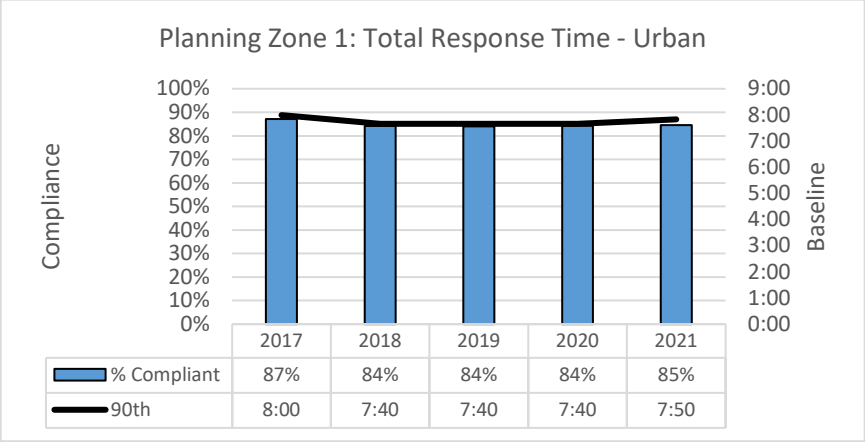
Distribution Factors Table 9.0: PZ1 Baseline Performance

PZ1: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:36	1:42	1:42	1:27	1:32	1:37	1:00	0:42	68.6%
		n= 4228	n= 850	n= 743	n= 862	n= 867	n= 906			
Turnout Time		1:49	1:46	1:52	1:48	1:49	1:50	1:38	0:08	85.7%
		n= 4160	n= 811	n= 735	n= 848	n= 865	n= 901			
Travel Time 1st Unit	Urban	5:30	5:30	5:30	5:30	5:20	5:40	4:32	0:58	76.4%
		n= 3286	n= 657	n= 588	n= 654	n= 682	n= 705			
	Rural	4:50	4:50	4:30	4:50	4:40	5:20	5:32	-0:42	95.9%
		n= 961	n= 193	n= 160	n= 209	n= 191	n= 208			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
Total Response Time 1st Unit	Urban	7:40	7:50	7:40	7:40	7:40	8:00	7:10	0:40	84.6%
		n= 3299	n= 669	n= 586	n= 655	n= 684	n= 705			
	Rural	7:00	6:50	7:00	6:50	7:10	7:50	8:10	-1:20	95.9%
		n= 963	n= 193	n= 160	n= 210	n= 192	n= 208			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			

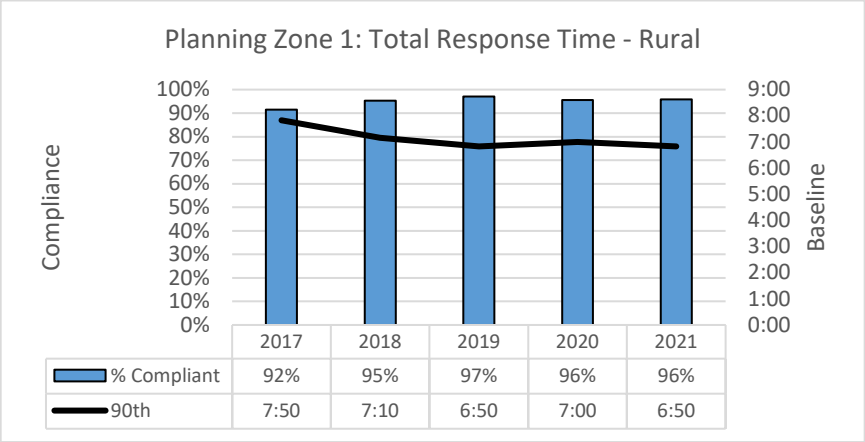
Distribution Factors Table 9.1 PZ1 Simultaneous Call Volume

1-Year Delta	1%	Simultaneous Calls				
5-Year Delta	-42%	2017	2018	2019	2020	2021
PZ1		9.4%	8.9%	10.0%	6.6%	5.8%
		147	131	143	84	85

Distribution Factors Chart 8.1 PZ1 1st Due Urban Compliance



Distribution Factors Chart 8.2: PZ1 1st Due Rural Compliance



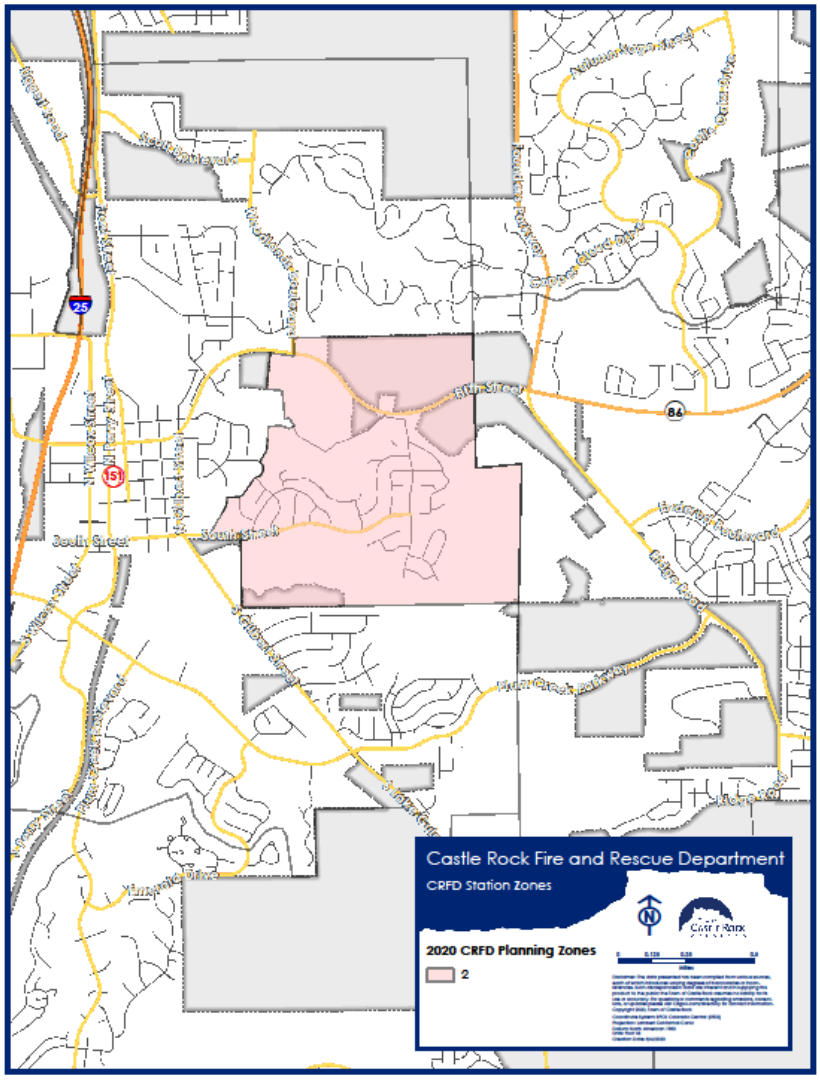
PZ1 Summary:

PZ1 has fluctuated between 1272 and 1557 calls for service annually with simultaneous call volumes between 5.8 % and 10.0% since 2017. PZ1 is the busiest of the planning zones, even so, the department has maintained a relatively high compliance to stated benchmarks, especially in the rural population densities. These areas tend to be in and around the Downtown core or near Station 151.

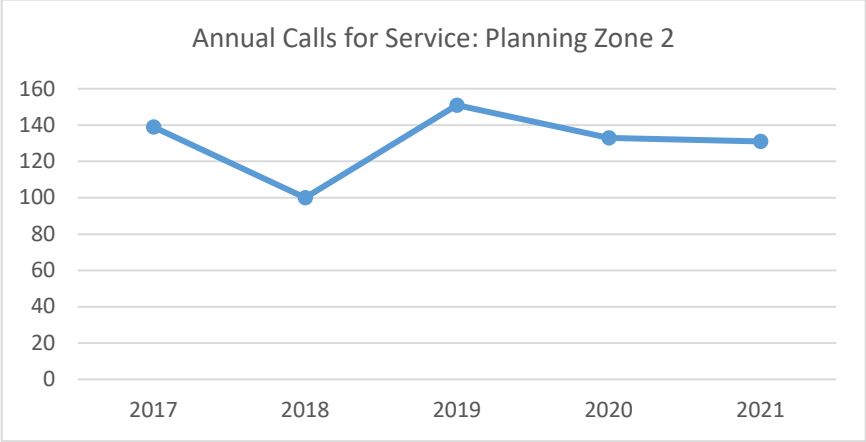
Planning Zone 2 (PZ2)

PZ2 is the smallest of the PZs at 0.89 square miles with an estimated population of 1,685 (population density 1,893/mile2), and is 99.4% residential, 0.2% commercial, and 0.4% agricultural. PZ2 contains less than 1% of the commercial square footage in the jurisdiction. PZ2 has 14 lane miles. PZ2 covers Homestead Village, Aspen Grove Condos, and the Winrock Apartments. The houses are of earlier construction (late 70's to the early 2000s) with a median home value of $452,439. The average household income in PZ2 is $105,697. Additionally, there are an estimated 40 households below the national poverty level and 135 households with at least one person with a disability. PZ2 also includes one elementary school, one multi-story senior facility, four churches, and two condo/apartment complexes.

Distribution Factors Map 8.0: Planning Zone 2



Distribution Factors Chart 9.0: PZ2 Incident Volume by Year



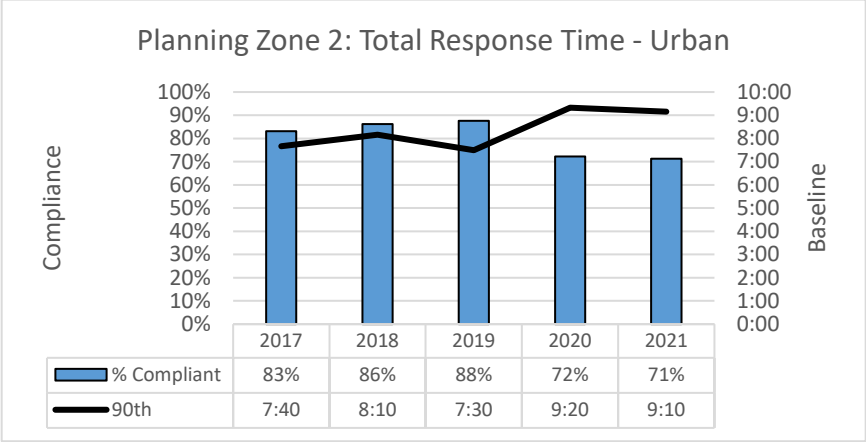
Distribution Factors Table 10.0: PZ2 Baseline Performance

PZ2: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:34	1:52	1:31	1:10	1:34	1:38	1:00	0:52	**68.6%**
		n= 406	n= 86	n= 78	n= 95	n= 58	n= 89			
Turnout Time		1:50	1:28	1:44	1:47	1:49	1:50	1:38	-0:10	88.7%
		n= 402	n= 83	n= 75	n= 96	n= 58	n= 90			
Travel Time 1st Unit	Urban	6:00	6:40	6:50	5:20	5:50	5:20	4:32	2:08	**65.5%**
		n= 410	n= 87	n= 78	n= 97	n= 58	n= 90			
	Rural	N/A	N/A	N/A	N/A	N/A	N/A	5:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
Total Response Time 1st Unit	Urban	8:20	9:10	9:20	7:30	8:10	7:40	7:10	2:00	**71.3%**
		n= 410	n= 87	n= 79	n= 97	n= 58	n= 89			
	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			

Distribution Factors Chart 10.1: PZ2 Simultaneous Call Volume

1-Year Delta	400%	Simultaneous Calls				
5-Year Delta	67%	2017	2018	2019	2020	2021
PZ2		2.2%	0.0%	0.0%	0.8%	3.8%
		3	0	0	1	5

Distribution Factors Chart 9.1: PZ2: 1st Due Urban Compliance



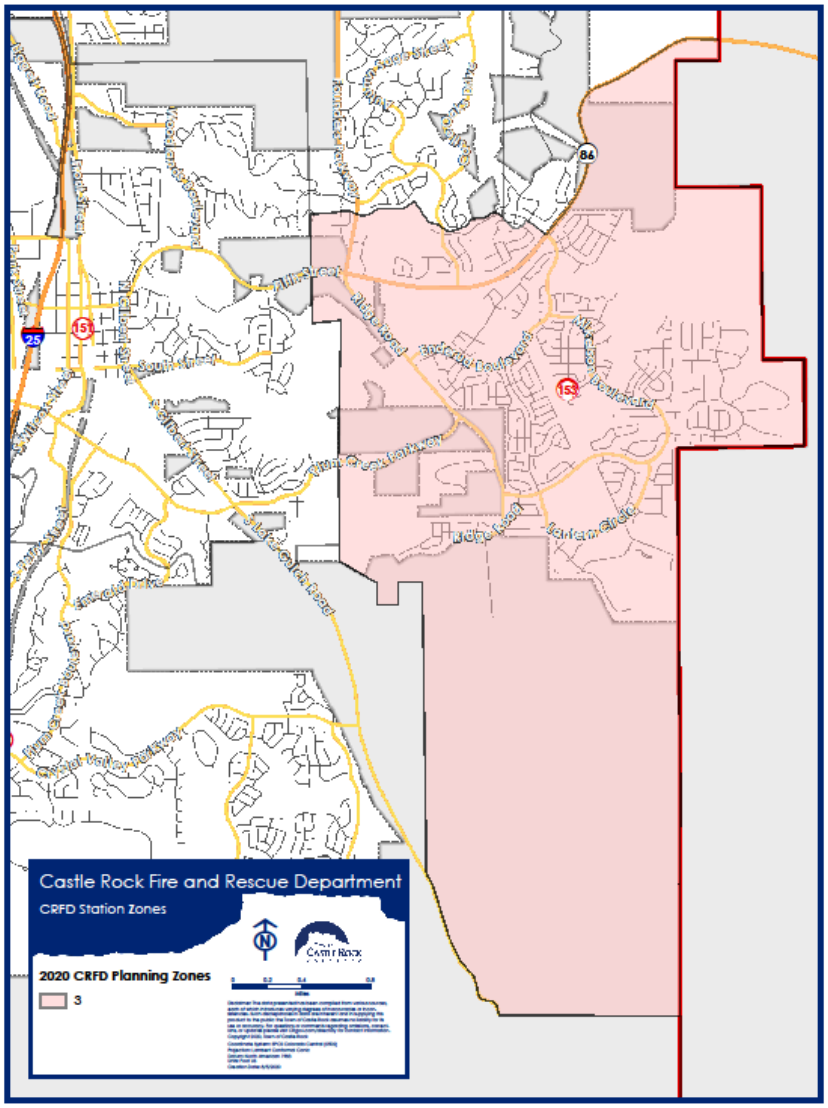
PZ2 Summary:

PZ2 has fluctuated between 100 and 151 calls for service annually with simultaneous call volumes between 0% and 3.8% since 2017. The department's compliance in PZ2 has fluctuated from as low as 71% in 2021 to as high as 88% in 2019. However, with a data set of 410 across five years, determining the root cause will be challenging and subject to a high degree of variability. Regardless, it is recommended that the department determine the cause of the increasing response times within planning zone 2.

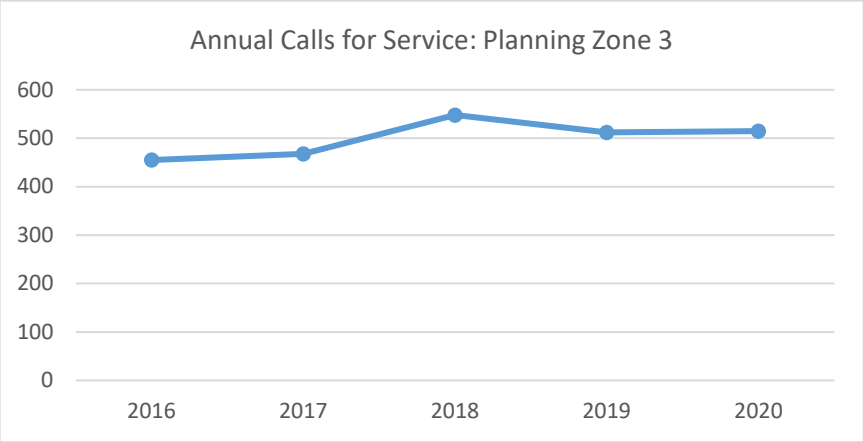
Planning Zone 3 (PZ3)

PZ3 covers 9.05 square miles with an estimated population of 13,895 (population density 1,137/mile2), and is 97.6% residential, 0.7% commercial, and 1.6% agricultural. PZ3 contains roughly 2% of the commercial square footage in the jurisdiction. PZ3 has 130 lane miles. PZ3 includes Founders Village, Castlewood Ranch, and portions of Terrian neighborhoods as well as a section of State Highway 86. The construction in PZ3 is typical construction from the mid 1970's to current lightweight methods with a median home value of $427,941. The average household income in PZ3 is $128,193. Additionally, there are an estimated 127 households below the national poverty level and 528 households with at least one person with a disability. PZ3 has one middle school, two elementary schools, and four churches.

Distribution Factors Map 9.0: Planning Zone 3



Distribution Factors Chart 10.0: PZ3 Incident Volume by Year



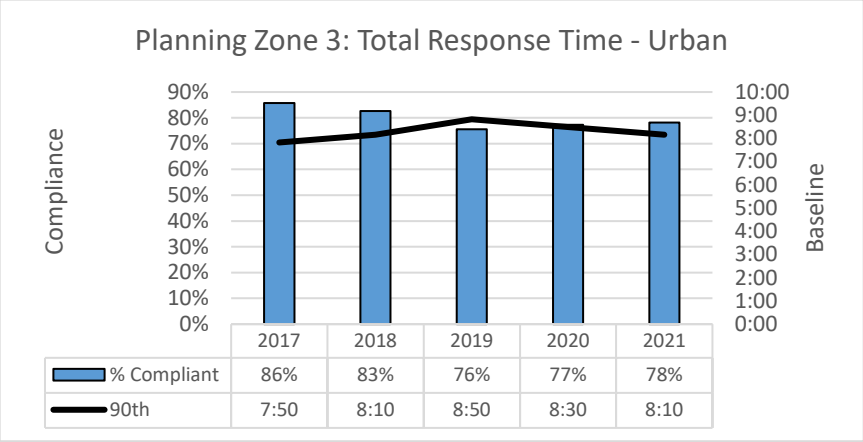
Distribution Factors Chart 11.0: PZ3 Baseline Performance

PZ3: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:32	1:29	1:38	1:33	1:26	1:34	1:00	0:29	**75.9%**
		n= 1567	n= 382	n= 331	n= 297	n= 292	n= 265			
Turnout Time		1:50	1:48	1:53	1:45	1:51	1:48	1:38	0:10	81.9%
		n= 1537	n= 370	n= 326	n= 289	n= 290	n= 262			
Travel Time 1st Unit	Urban	5:50	5:40	6:00	6:20	5:20	5:20	4:32	1:08	**54.6%**
		n= 1433	n= 357	n= 321	n= 286	n= 246	n= 223			
	Rural	7:10	6:40	7:00	9:50	7:50	6:50	5:32	1:08	**75.0%**
		n= 136	n= 20	n= 13	n= 12	n= 48	n= 43			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
Total Response Time 1st Unit	Urban	8:20	8:10	8:30	8:50	8:10	7:50	7:10	1:00	**78.2%**
		n= 1442	n= 363	n= 322	n= 287	n= 247	n= 223			
	Rural	10:00	8:20	10:40	11:50	10:50	9:00	8:10	0:10	80.0%
		n= 135	n= 20	n= 13	n= 12	n= 48	n= 42			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			

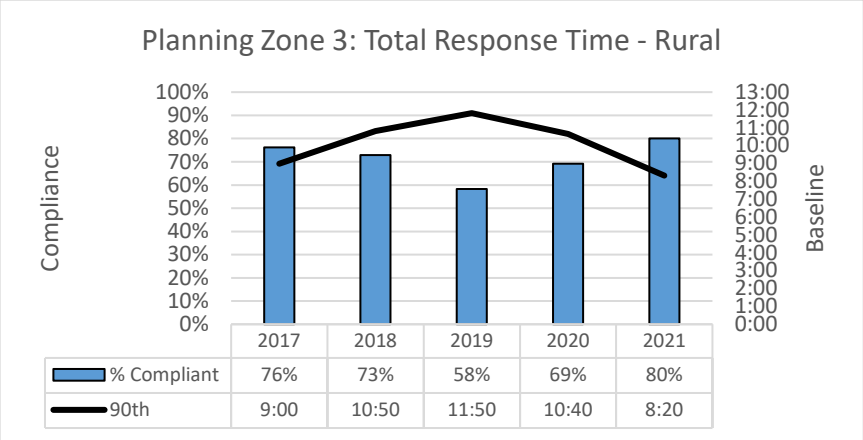
Distribution Factors Chart 11.1: PZ3 Simultaneous Call Volume

1-Year Delta	71%	Simultaneous Calls				
5-Year Delta	164%	2017	2018	2019	2020	2021
PZ3		2.4%	3.6%	4.1%	3.3%	4.3%
		11	20	21	17	24

Distribution Factors Chart 10.1: PZ3 1st Due Urban Compliance



Distribution Factors Chart 10.2: PZ3 1st Due Rural Compliance



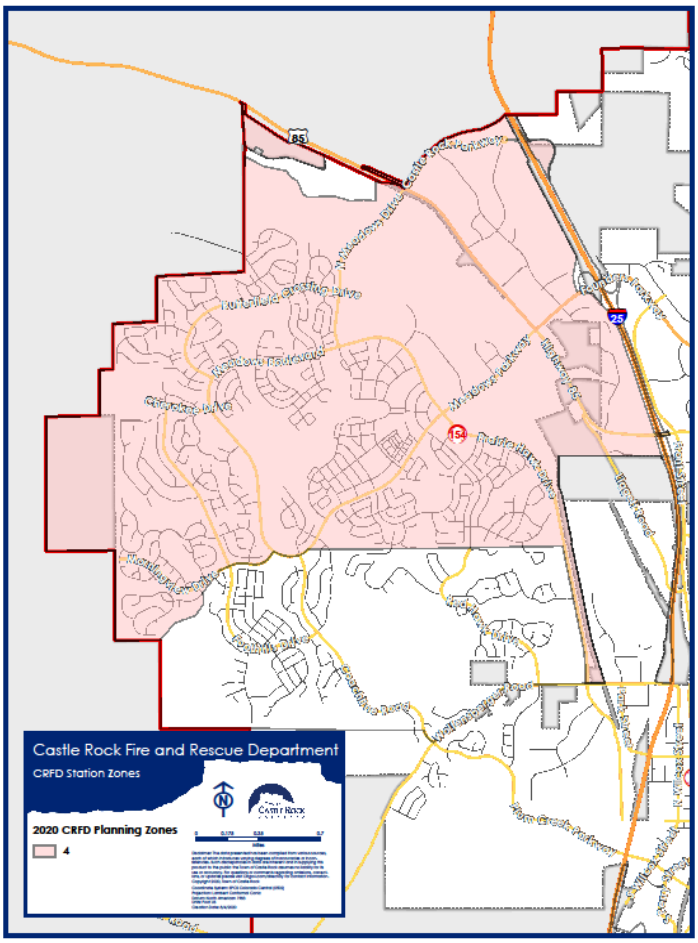
PZ3 Summary:

PZ3 has fluctuated between 468 and 564 calls for service annually with simultaneous call volumes between 2.4% and 4.3% since 2017. As previously stated in the Station 153 summary, responses to the rural population in PZ3 is challenged by extended drive times and some soft surface roads in the southern portions of the district.

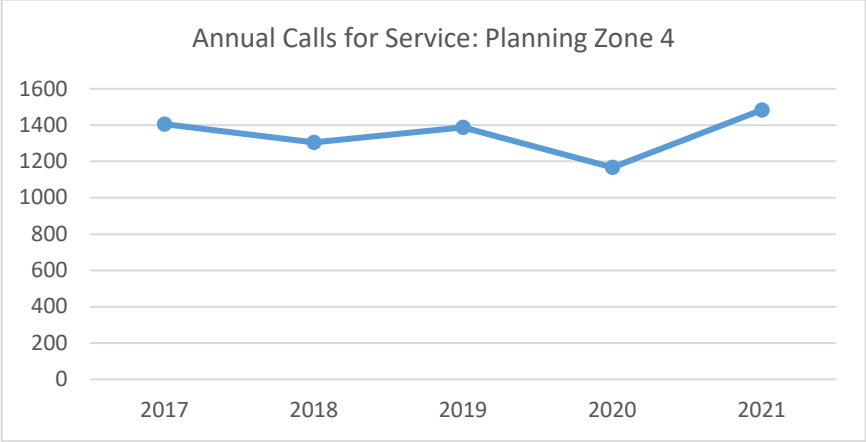
Planning Zone 4 (PZ4)

PZ4 covers 5.95 square miles and is the Department's most populous PZ with an estimated 19,998 (population density 3,361/mile2) and is 92.3% residential, 7.5% commercial, and 0.1% agricultural. PZ4 contains roughly 36% of the commercial square footage in the jurisdiction and has 165 lane miles. PZ4 includes The Meadows and The Pines at Castlegate neighborhoods. Additionally, this zone contains major retail areas within the Town: The Promenade and Outlets at Castle Rock. The residential construction in PZ4 is primarily lightweight with most homes built within the last 15 - 20 years with a median home value of $453,540. The average household income in PZ4 is $130,420. Additionally, there are an estimated 162 households below the national poverty level and 730 households with at least one person with a disability. PZ4 has three elementary schools, one middle school, one high school, Castle Rock Adventist Health Campus, The Outlets at Castle Rock, the Douglas County Justice Center, one large multi-story senior facility, several single-story senior facilities, four churches, portions of Interstate 25, State Highway 85 and a section of railroad on its eastern boundary.

Distribution Factors Map 10.0: Planning Zone 4



Distribution Factors Chart 11.0: PZ4 Incident Volume by Year



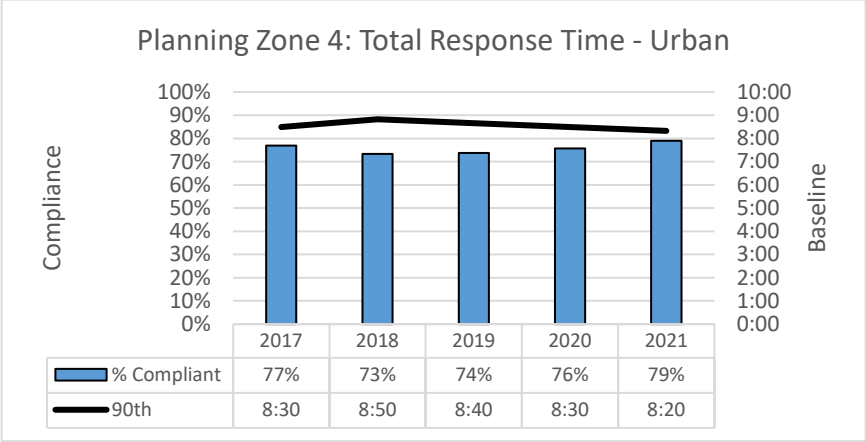
Distribution Factors Table 12.: PZ4 Baseline Performance

PZ4: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:36	1:35	1:41	1:21	1:31	1:40	1:00	0:35	72.1%
		n= 4102	n= 903	n= 768	n= 855	n= 764	n= 812			
Turnout Time		1:44	1:40	1:40	1:43	1:47	1:48	1:38	0:02	89.1%
		n= 4009	n= 854	n= 744	n= 852	n= 757	n= 802			
Travel Time 1st Unit	Urban	6:10	6:00	6:10	6:10	6:10	5:50	4:32	1:28	69.6%
		n= 2932	n= 687	n= 604	n= 589	n= 516	n= 536			
	Rural	5:10	5:20	4:50	5:00	5:10	5:30	5:32	-0:12	93.3%
		n= 1171	n= 210	n= 164	n= 267	n= 252	n= 278			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
Total Response Time 1st Unit	Urban	8:30	8:20	8:30	8:40	8:50	8:30	7:10	1:10	79.0%
		n= 2943	n= 695	n= 605	n= 591	n= 516	n= 536			
	Rural	7:30	7:10	7:20	7:10	7:30	7:50	8:10	-1:00	95.8%
		n= 1148	n= 214	n= 135	n= 267	n= 253	n= 279			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			

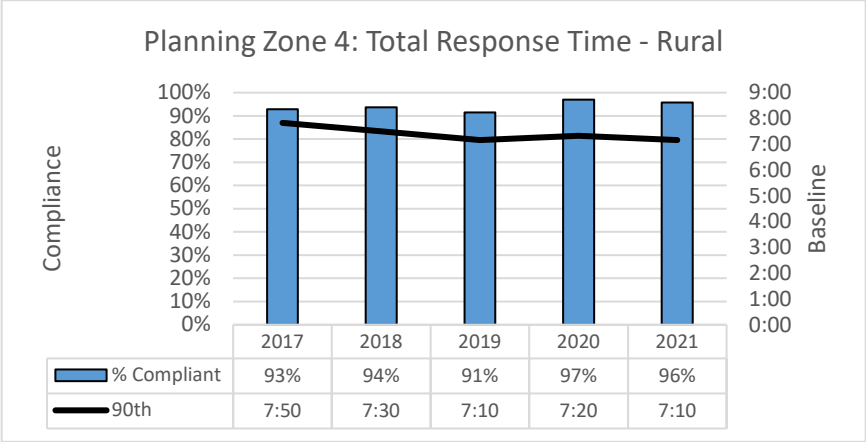
Distribution Factors Table 12.1: PZ4 Simultaneous Call Volume

1-Year Delta	50%	Simultaneous Calls				
5-Year Delta	-9%	2017	2018	2019	2020	2021
PZ4		9.8%	9.3%	7.5%	7.2%	8.5%
		138	121	104	84	126

Distribution Factors Chart 11.1: PZ4 1st Due Urban Compliance



Distribution Factors Chart 11.2: PZ4 1st Due Rural Compliance



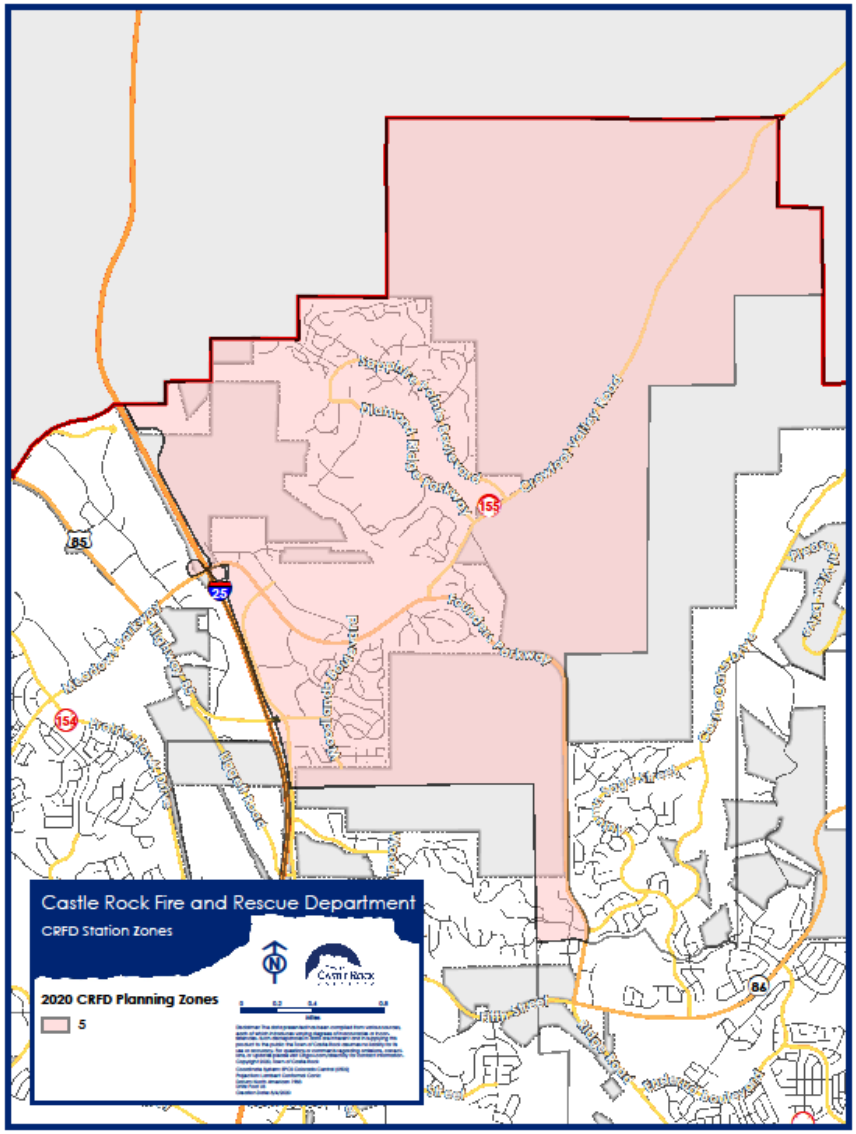
PZ4 Summary:

PZ4 has fluctuated between 1167 and 1405 calls for service annually with simultaneous call volumes between 7.0% and 9.8% since 2017. The department has been able to maintain high compliance in the rural population densities, but is challenged with maintaining compliance in the urban areas. This challenge is due to the location of several urban FMZs (15422, 15949, 15923) in relation to Station 154, along the western border of the jurisdiction and the southern border of the station district.

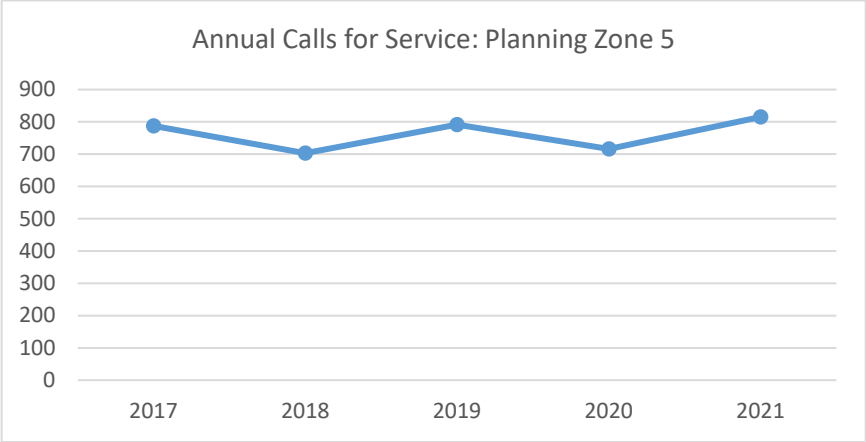
Planning Zone 5 (PZ5)

PZ5 covers 9.03 square miles with and estimated population of 7,704 (population density 853/mile2) and is 86.5% residential, 10.1% commercial, and 3.4% agricultural. PZ5 contains roughly 16% of the commercial square footage in the jurisdiction. PZ5 has 86 lane miles. PZ5 includes Diamond Ridge, Sapphire Point, Metzler Ranch, Maher Ranch, Brookwood, Silver Heights, and Echo Ridge neighborhoods. Residential construction varies from the 1970s to current lightweight methods, with a median home value of $552,193. The average household income in PZ5 is $166,857. Additionally, there are an estimated 145 households below the national poverty level and 413 households with at least one person with a disability. PZ5 has one elementary school, two multi-story senior care facilities, several “big box” retail stores, portions of Interstate 25, State Highway 86.

Distribution Factors Map 11.0: Planning Zone 5



Distribution Factors Chart 12.0: PZ5 Incident Volume by Year



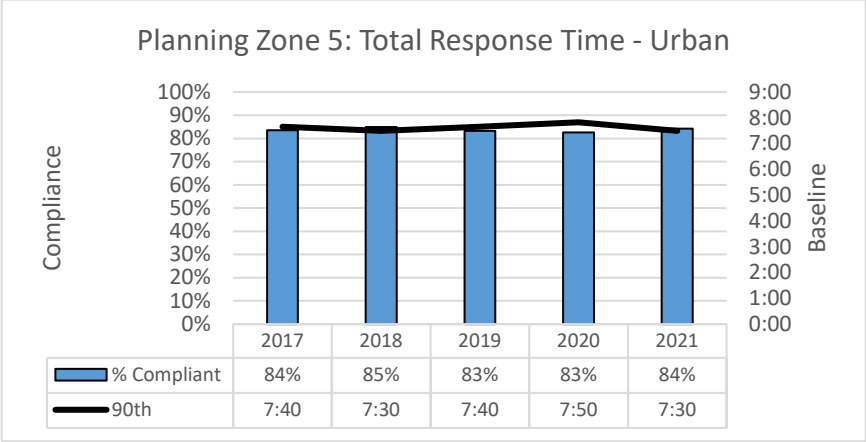
Distribution Factors Chart 13.0: PZ5 Baseline Performance

PZ5: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:29	1:26	1:32	1:22	1:29	1:29	1:00	0:26	**69.6%**
		n= 2531	n= 529	n= 486	n= 520	n= 456	n= 540			
Turnout Time		1:42	1:38	1:43	1:41	1:42	1:43	1:38	0:00	89.7%
		n= 2490	n= 507	n= 477	n= 519	n= 454	n= 533			
Travel Time 1st Unit	Urban	5:20	5:10	5:30	5:30	5:20	5:20	4:32	0:38	**71.9%**
		n= 1979	n= 399	n= 383	n= 419	n= 355	n= 423			
	Rural	6:50	7:00	6:40	6:40	6:30	7:00	5:32	1:28	**66.7%**
		n= 543	n= 123	n= 106	n= 101	n= 98	n= 115			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
Total Response Time 1st Unit	Urban	7:40	7:30	7:50	7:40	7:30	7:40	7:10	0:20	84.2%
		n= 1989	n= 405	n= 384	n= 420	n= 357	n= 423			
	Rural	9:00	9:10	9:00	8:50	8:50	9:30	8:10	1:00	83.2%
		n= 547	n= 125	n= 106	n= 101	n= 98	n= 117			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			

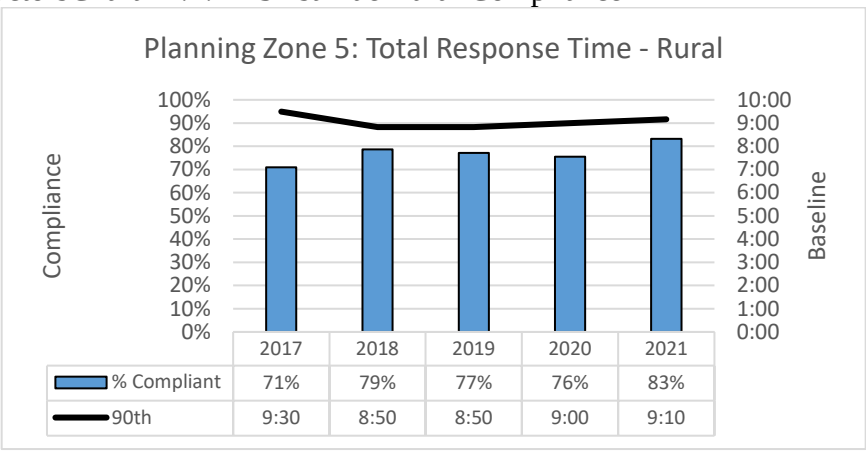
Distribution Factors Chart 13.1: PZ5 Simultaneous Call Volume

1-Year Delta	-5%	Simultaneous Calls				
5-Year Delta	-15%	2017	2018	2019	2020	2021
PZ5		6.1%	5.5%	4.6%	6.0%	5.0%
		48	39	36	43	41

Distribution Factors Chart 12.1: PZ5 1st Due Urban Compliance



Distribution FactorsChart 12.2: PZ5 2st Due Rural Compliance



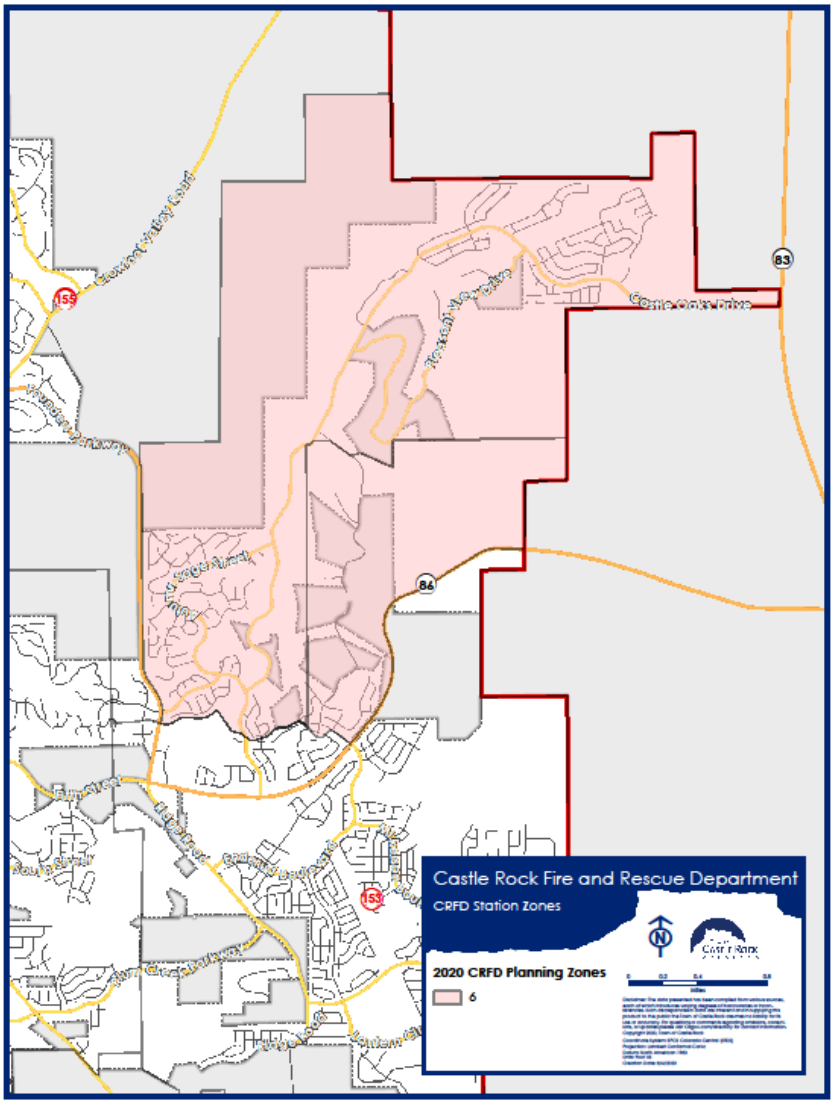
PZ5 Summary:

PZ5 has fluctuated between 703 and 815 calls for service annually with simultaneous call volumes between 4.6% and 6.1% since 2017. The department has been able to maintain comparative compliance numbers to other planning zones.

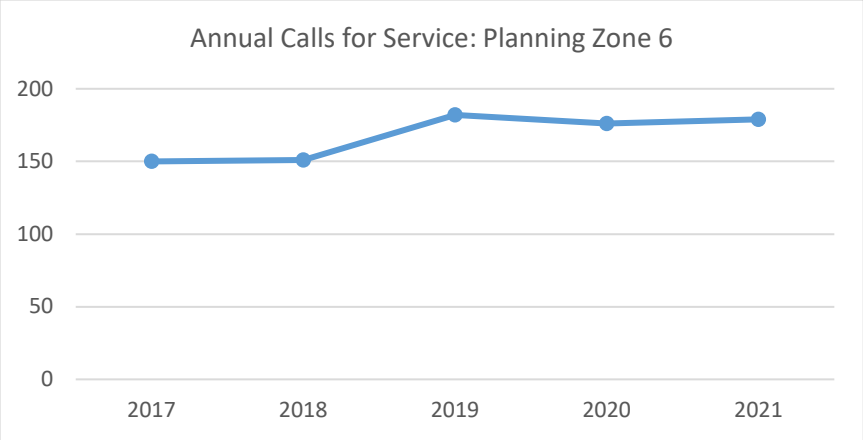
Planning Zone 6 (PZ6)

PZ6 covers 6.9 square miles with and estimated population of 7,270 (population density 1054/mile2) and is 92.5% residential, 0.2% commercial, and 7.4% agricultural. PZ6 contains less than 1% of the commercial square footage in the jurisdiction. PZ6 has 66 lane miles. PZ6 includes Castle Oaks, Terrain, Liberty Village, and Cobblestone Ranch neighborhoods. The construction in PZ6 is primarily lightweight, with most homes built within the last 15 - 20 years with a median home value of $530,395. The average household income in PZ6 is $159,481. Additionally, there are an estimated eight households below the national poverty level and 294 households with at least one person with a disability. PZ6 has one elementary school and is bordered to the south and west by State Highway 86 and east by State Highway 83.

Distribution Factors Map 12.0: Planning Zone 6



Distribution Factors Chart 13.0: PZ6 Incident Volume by Year



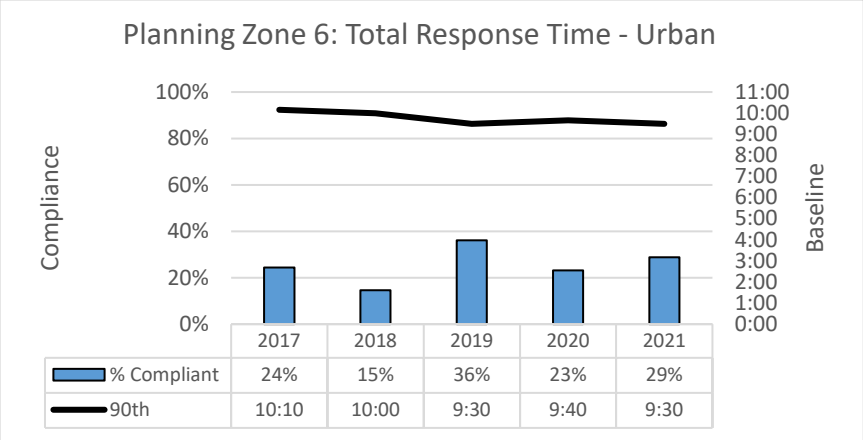
Distribution Factors Table 14.0: PZ6 Baseline Performance

PZ6: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:35	1:23	1:46	1:13	1:29	1:31	1:00	0:23	**77.1%**
		n= 550	n= 131	n= 126	n= 115	n= 81	n= 97			
Turnout Time		1:51	1:46	1:54	1:51	1:34	1:54	1:38	0:08	82.4%
		n= 540	n= 125	n= 122	n= 116	n= 81	n= 96			
Travel Time 1st Unit	Urban	7:40	7:10	7:00	7:30	7:50	7:50	4:32	2:38	**6.9%**
		n= 258	n= 58	n= 52	n= 61	n= 42	n= 45			
	Rural	9:50	8:30	10:10	10:00	9:40	10:10	5:32	2:58	**13.5%**
		n= 280	n= 69	n= 56	n= 65	n= 39	n= 51			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
Total Response Time 1st Unit	Urban	9:50	9:30	9:40	9:30	10:00	10:10	7:10	2:20	**28.8%**
		n= 258	n= 59	n= 52	n= 61	n= 41	n= 45			
	Rural	12:10	11:50	12:10	11:30	12:10	12:10	8:10	3:40	**61.1%**
		n= 292	n= 72	n= 74	n= 56	n= 39	n= 51			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			

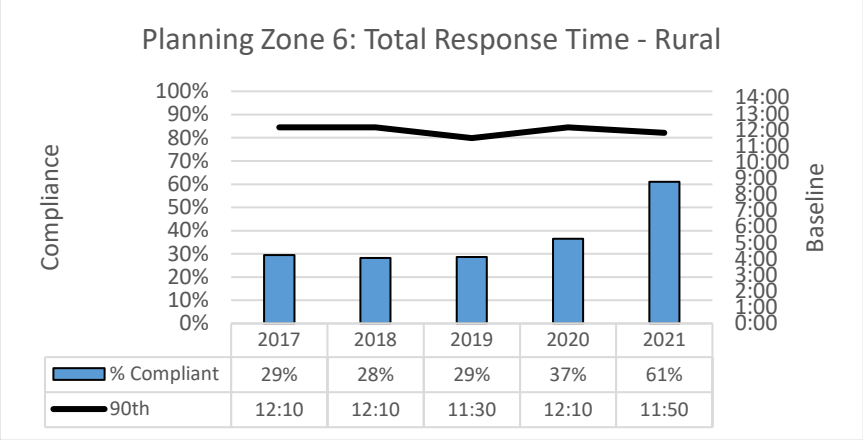
Distribution Factors Table 14.1: PZ6 Simultaneous Call Volume

1-Year Delta	0%	Simultaneous Calls				
5-Year Delta	-33%	2017	2018	2019	2020	2021
PZ6		2.0%	0.7%	3.8%	1.1%	1.1%
		3	1	7	2	2

Distribution Factors Chart 13.1: PZ6 1st Due Urban Compliance



Distribution Factors Chart 13.2: PZ6 1st Due Rural Compliance



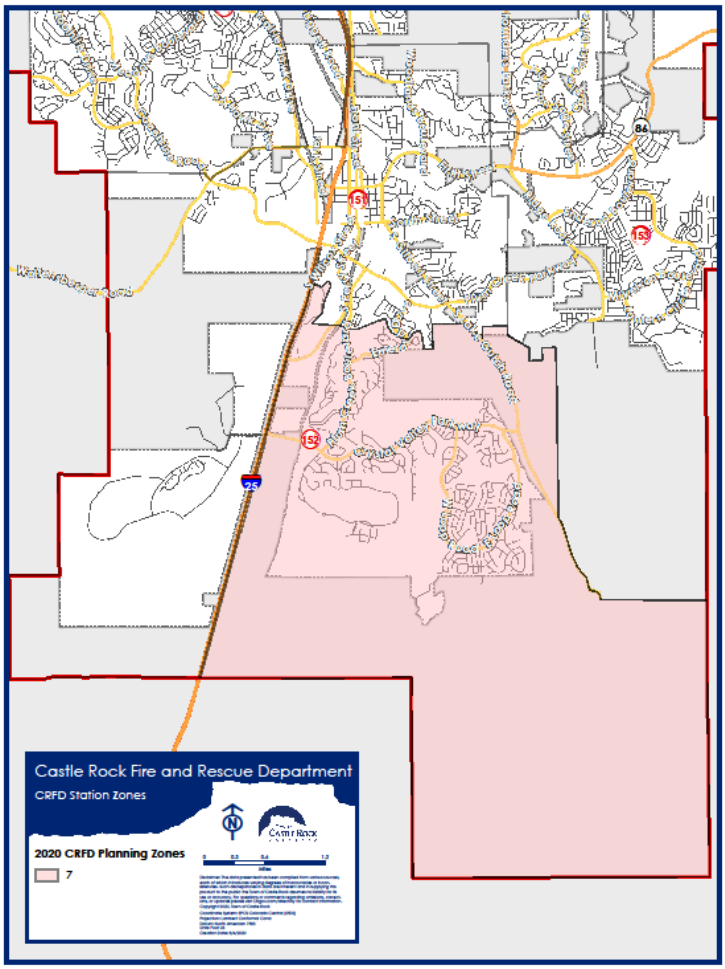
PZ6 Summary:

PZ6 has fluctuated between 150 and 182 calls for service annually with simultaneous call volumes between 0.7% and 3.8% since 2017. PZ6 has seen a steady increase in calls since 2011 that correlates with the residential growth in the area. Given its distance from any CRFD Station, fire management zone 15603 receives an automatic aid unit from Franktown Fire Protection District on all incidents. In 2019, with road and bridge improvements in the area, the department modified response plans replacing E153 with Q155 as a closer unit in FMZs 15617 and 15603. Even with that, PZ6 sees longer than typical response times. CRFD recognizes the increasing call volume and growth in PZ6 and monitors its response and performance metrics annually in an attempt to forecast the need for additional resources based on the performance thresholds in the 2021 Fire Master Plan.

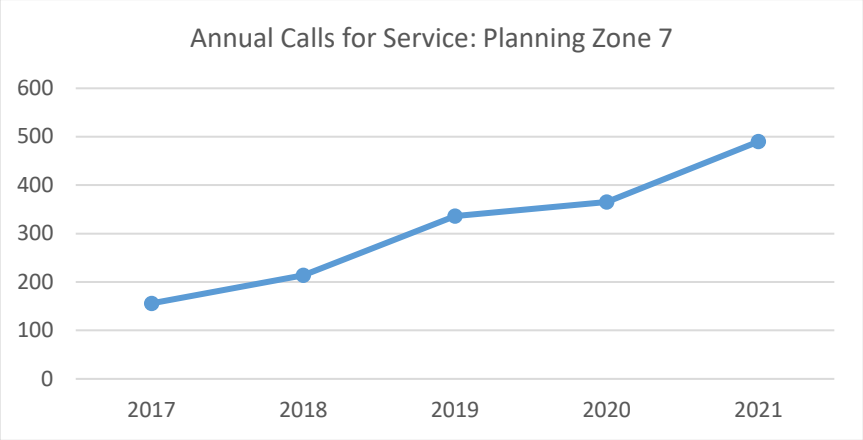
Planning Zone 7 (PZ7)

PZ7 covers 17.8 square miles with an estimated population of 8,075 (population density 454/mile2) and is 93.5% residential, 3.3% commercial, and 3.2% agricultural. PZ7 contains roughly 4% of the commercial square footage in the jurisdiction. PZ7 has 100 lane miles. PZ7 includes Crystal Valley Ranch, Heckendorf Ranch, The Lanterns, Ditmars Ranch, Bell Mountain Ranch, and Stone Cañon Ranch neighborhoods. The residential construction varies greatly from typical 1970's construction to current lightweight methods with a median home value of $714,113. The average household income in PZ7 is $188,045. Additionally, there are an estimated 30 households below the national poverty level and 347 households with at least one person with a disability. PZ7 is largely residential with one notable exception, a large satellite communication facility in the far southwest corner of the PZ. PZ7 is bordered to the west by a section of railroad running parallel to the east frontage road of Interstate 25. The Department has been monitoring growth in this PZ, and tracking performance. The Department has recognized that it cannot meet its established baselines in the most rural areas of PZ7.

Distribution Factors Map 13.0: Planning Zone 7



Distribution Factors Chart 14: PZ7 Incident Volume by Year



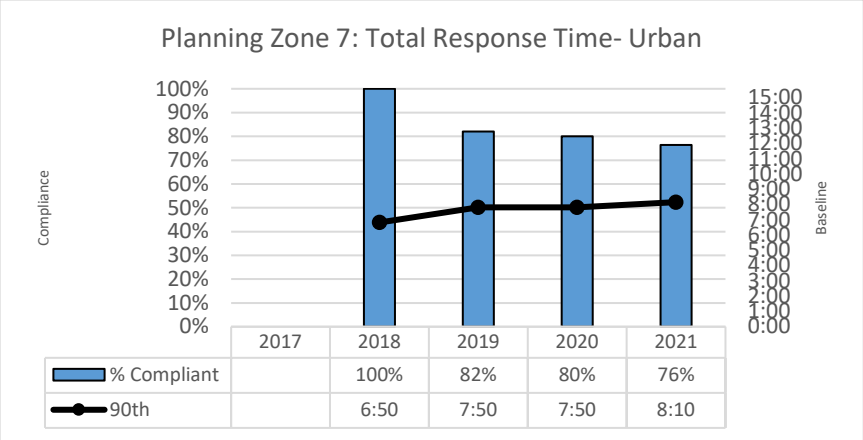
Distribution Factors Table 15.0: PZ7 Baseline Performance

PZ7: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:40	1:44	1:40	1:40	1:22	1:36	1:00	0:44	**68.4%**
		n= 944	n= 275	n= 223	n= 209	n= 141	n= 96			
Turnout Time		1:50	1:44	1:55	1:44	1:52	1:57	1:38	0:06	86.7%
		n= 940	n= 271	n= 219	n= 213	n= 141	n= 96			
Travel Time 1st Unit	Urban	5:50	6:00	5:40	5:50	5:00	N/A	4:32	1:28	**62.7%**
		n= 341	n= 110	n= 100	n= 112	n= 19	n= 0			
	Rural	9:10	8:50	8:30	8:10	9:30	11:00	5:32	3:18	**38.8%**
		n= 608	n= 165	n= 125	n= 102	n= 121	n= 95			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
Total Response Time 1st Unit	Urban	8:00	8:10	7:50	7:50	6:50	N/A	7:10	1:00	**76.4%**
		n= 341	n= 110	n= 100	n= 112	n= 19	n= 0			
	Rural	11:50	11:00	11:00	11:40	11:50	13:10	8:10	2:50	**54.4%**
		n= 613	n= 169	n= 125	n= 102	n= 122	n= 95			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			

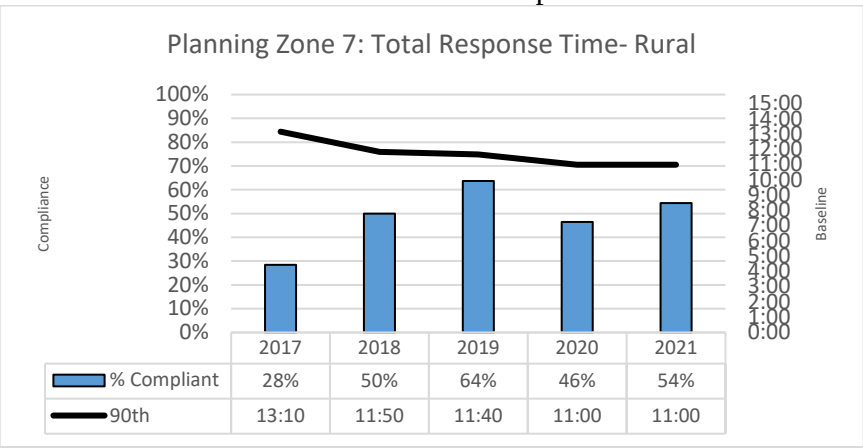
Distribution Factors Table 15.1: PZ7 Simultaneous Call Volume

1-Year Delta	9%	Simultaneous Calls				
5-Year Delta	300%	2017	2018	2019	2020	2021
PZ7		1.9%	1.4%	2.1%	3.0%	2.4%
		3	3	7	11	12

Distribution Factors Chart 14.1: PZ7 1st Due Urban Compliance



Distribution Factors Chart 14.2: PZ7 1st Due Rural Compliance



PZ7 Summary:

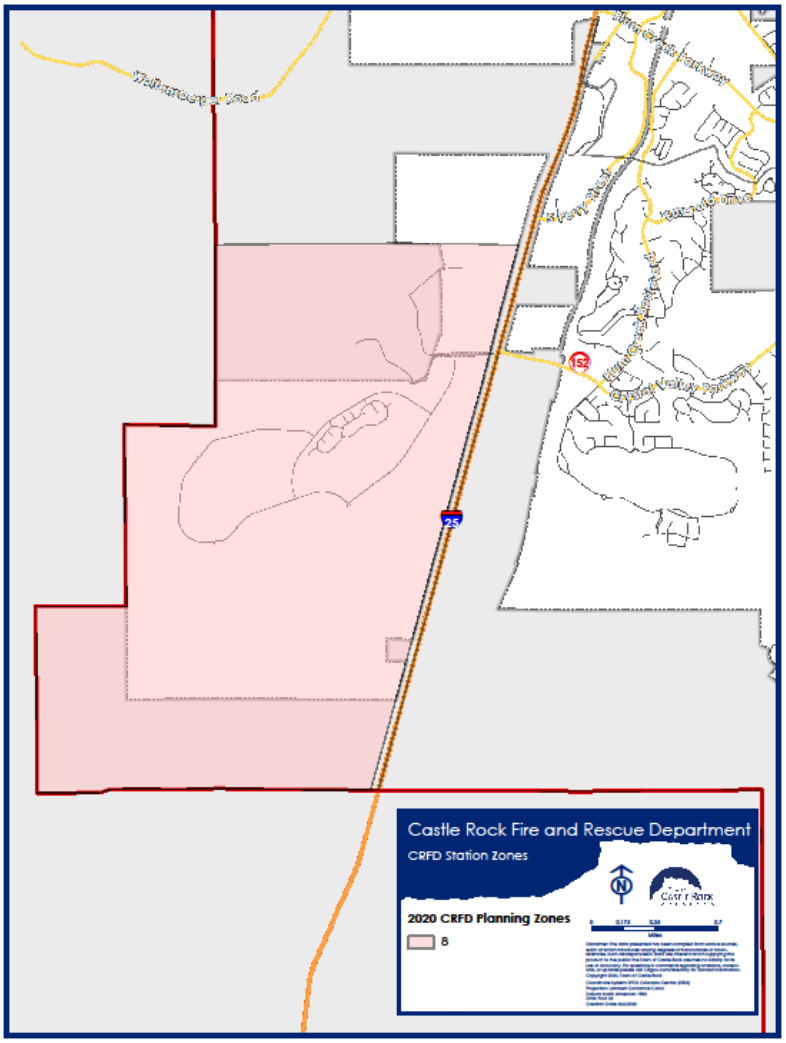
2018 saw significant changes in PZ7 with the addition of Station 152 in the northwestern portion of the PZ with access to two main thoroughfares and good access to expected residential development. With the opening of the station, the department reconfigured the Planning Zone boundaries to include portions of PZ1. These areas are better served given the location of Station 152. This added some urban population density to the PZ that were previously in PZ1.

Since the opening of Station 152, call volume and population has steadily increased. Compliance in the rural areas has improved, but remains low. This is primarily due to the large agricultural areas and distance from the fire station. The urban compliance has trended down since 2018 and no root cause investigation has been started. It is recommended that the department determine the root cause of the decreasing compliance.

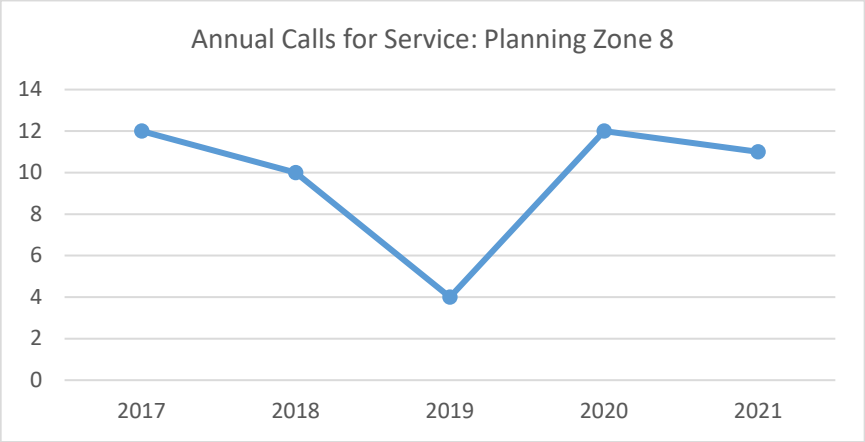
Planning Zone 8 (PZ8)

PZ8 covers 5.33 square miles with an estimated population of 243 (population density 46/mile2) and is 24.5% residential, 0.5% commercial, and 75.1% agricultural. PZ8 has 26 lane miles. PZ8 is largely undeveloped, covering Twin Oaks, Yucca Hills, and portions of Keene Ranch, all within unincorporated Douglas County. Yucca Hills has older homes and various lot sizes. Keene Ranch has larger, higher-priced homes on a minimum of 5 acre lots. Keene Ranch is a shared response area with Jackson 105 Fire, a mostly volunteer agency to the west, and Larkspur Fire Department to the south. Additionally, to access Keene Ranch, CRFD units must leave the jurisdiction before they can make entry into the neighborhood. PZ8 also contains a section of railroad that runs parallel to the west frontage road for Interstate 25. The median home value in PZ8 is $939,815. The average household income in PZ8 is $232,842. Additionally, there are an estimated 0 households below the national poverty level and 13 households with at least one person with a disability.

Distribution Factors Map 14.0: Planning Zone 8



Distribution Factors Chart 15.0: PZ 8 Incident Volume by Year



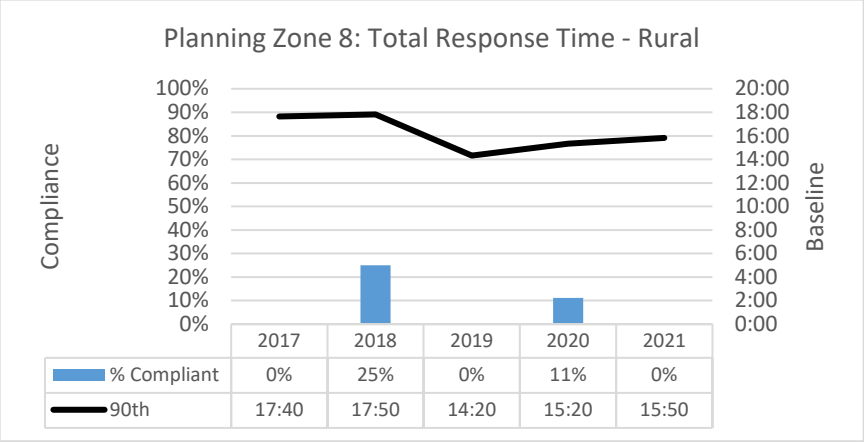
Distribution Factors Table 16.0: PZ8 Baseline Performance

PZ8: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:55	1:17	4:00	0:38	2:11	3:08	1:00	0:17	**66.7%**
		n= 34	n= 9	n= 9	n= 3	n= 8	n= 5			
Turnout Time		1:52	1:52	2:05	1:46	2:09	1:55	1:38	0:14	88.9%
		n= 34	n= 9	n= 8	n= 4	n= 8	n= 5			
Travel Time 1st Unit	Urban	N/A	N/A	N/A	N/A	N/A	N/A	4:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
	Rural	13:30	13:20	14:00	12:10	12:30	14:50	5:32	7:48	**0.0%**
		n= 34	n= 9	n= 9	n= 4	n= 7	n= 5			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
Total Response Time 1st Unit	Urban	N/A	N/A	N/A	N/A	N/A	N/A	7:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
	Rural	16:00	15:50	15:20	14:20	17:50	17:40	8:10	7:40	**0.0%**
		n= 35	n= 9	n= 9	n= 4	n= 8	n= 5			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			

Distribution Factors Table 16.1: PZ8 Simultaneous Call Volume

1-Year Delta	100%	Simultaneous Calls				
5-Year Delta	100%	2017	2018	2019	2020	2021
PZ8		0.0%	0.0%	0.0%	0.0%	0.0%
		0	0	0	0	0

Distribution Factors Chart 15.1: PZ8 1st Due Rural Compliance



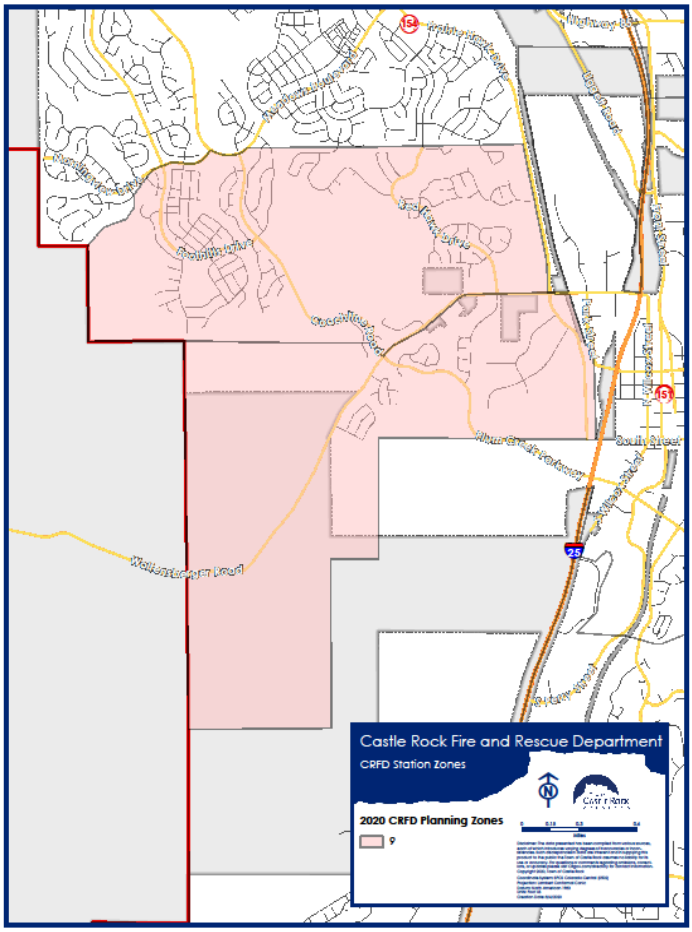
PZ8 Summary:

PZ8 has fluctuated between 4 and 12 calls for service annually with a simultaneous call volume of zero. The department recognizes that the response times in PZ8 exceed the stated baselines. However, given the call volume (maximum of 12 calls annually) and low population (353 residents), currently, there are no plans for a dedicated station. However, this planning zone has seen increasing interest by mixed use developers and the subject of a proposed I-25 interchange. The department will continue to monitor PZ8 for potential, proposed, or planned development that would change the PZ's risk assessment and/or profile.

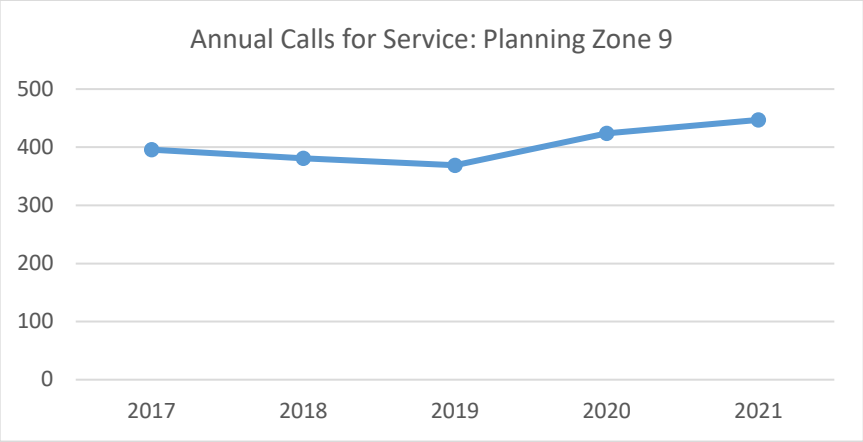
Planning Zone 9 (PZ9)

PZ9 covers 4.61 square miles with an estimated population of 8,114 (population density 1,760/mile2) and is 96.2% residential, 2.6% commercial, and 1.2% agricultural. PZ9 contains roughly 9% of the commercial square footage in the jurisdiction. PZ9 has 56 lane miles. PZ9 includes the Red Hawk, Castle Highlands, Castle Meadows, and the Reserve at Castle Highlands neighborhoods. The construction in PZ9 is primarily lightweight, with most homes built in the last 15-20 years with a median home value of $530,704. The average household income in PZ9 is $146,281. Additionally, there are an estimated 62 households below the national poverty level and 607 households with at least one person with a disability. PZ9 includes one elementary school, one large senior facility, a large multi-use indoor/outdoor recreation center and miles of soft-surface recreational trails. For several years, this PZ has met the minimum call volume requirements to consider a new fire station. However, given that the response times for the first arriving unit and effective response force are within the annually established baselines, the Department has elected not to build a fire station in this area yet. The Department will monitor call volume and performance quarterly and annually to identify trends that could negatively affect the residents in this area.

Distribution Factors Map 15.0: Planning Zone 9



Distribution Factors Chart 16.0: PZ9 Incident Volume by Year



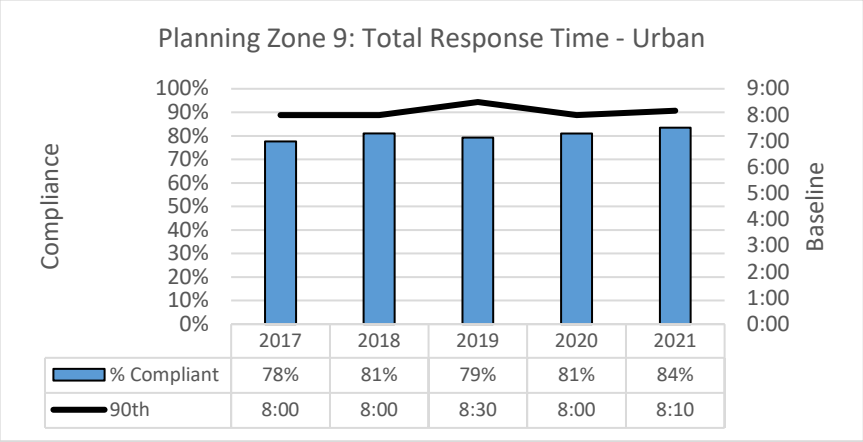
Distribution Factors Table 17.0: PZ9 Baseline Performance

PZ9: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		1:32	1:32	1:46	1:30	1:28	1:26	1:00	0:32	71.9%
		n= 1231	n= 285	n= 278	n= 231	n= 213	n= 224			
Turnout Time		1:45	1:43	1:43	1:42	1:44	1:47	1:38	0:05	86.2%
		n= 1206	n= 269	n= 271	n= 230	n= 213	n= 223			
Travel Time 1st Unit	Urban	5:30	5:30	5:20	5:40	5:30	5:40	4:32	0:58	71.8%
		n= 1204	n= 273	n= 273	n= 225	n= 210	n= 223			
	Rural	9:50	8:00	9:50	10:40	8:40	7:00	5:32	2:28	37.5%
		n= 24	n= 8	n= 5	n= 5	n= 5	n= 1			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
Total Response Time 1st Unit	Urban	8:10	8:10	8:00	8:30	8:00	8:00	7:10	1:00	83.5%
		n= 1211	n= 279	n= 273	n= 226	n= 210	n= 223			
	Rural	12:00	10:40	12:30	12:20	11:20	9:10	8:10	2:30	62.5%
		n= 24	n= 8	n= 5	n= 5	n= 5	n= 1			
	Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			

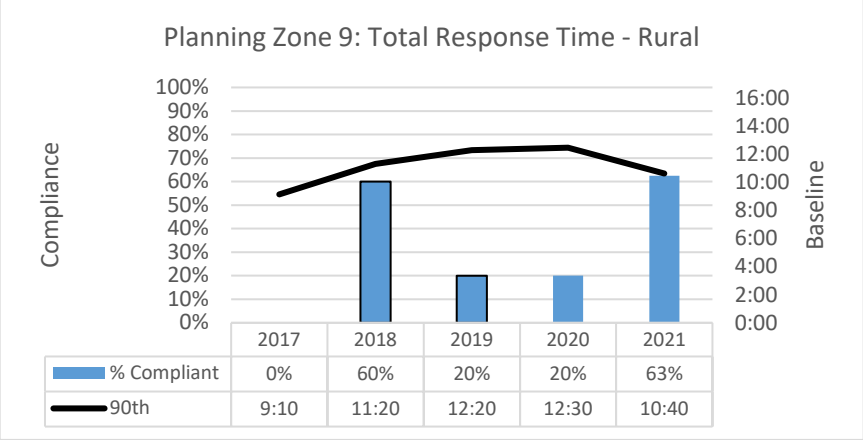
Distribution Factors Table 17.1: PZ9 Simultaneous Call Volume

1-Year Delta	33%	Simultaneous Calls				
5-Year Delta	78%	2017	2018	2019	2020	2021
PZ9		2.3%	2.1%	4.9%	2.8%	3.6%
		9	8	18	12	16

Distribution Factors Chart 16.1: PZ9 1st Due Urban Compliance



Distribution Factors Chart 16.2: PZ9 1st Due Rural Compliance



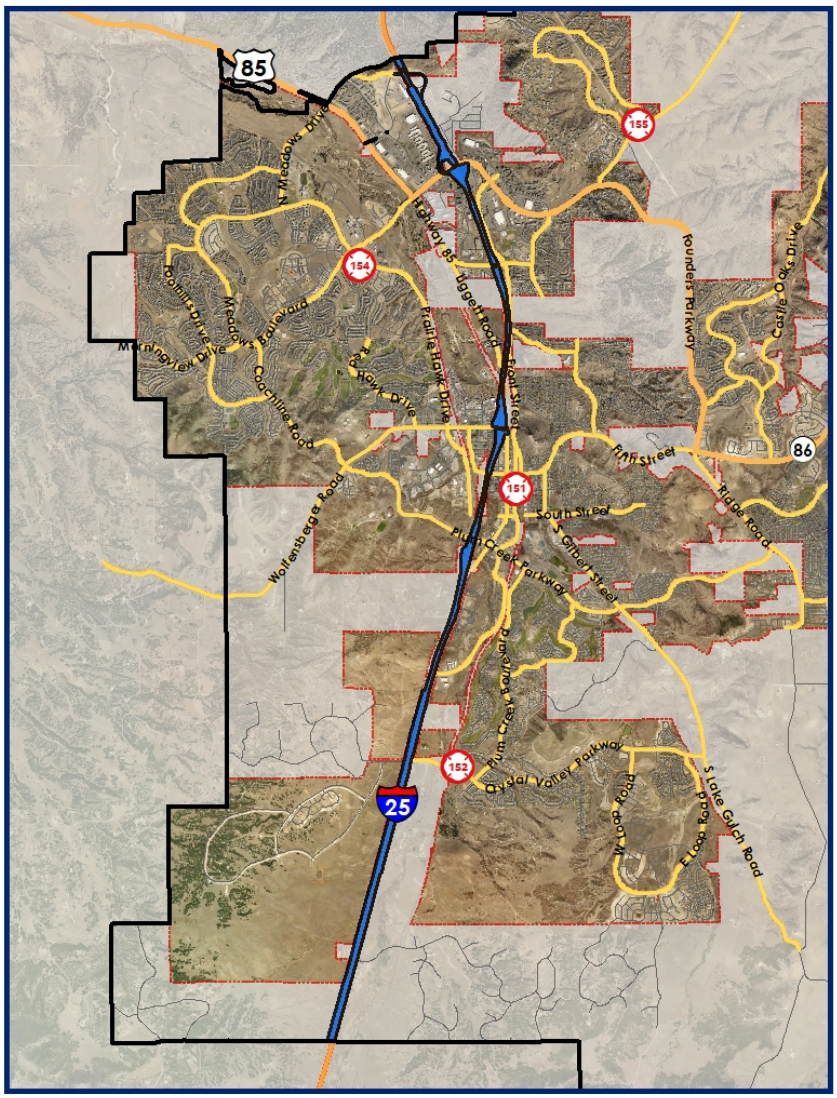
PZ9 Summary:

PZ9 has fluctuated between 369 and 447 calls for service annually with simultaneous call volumes between 1.4% and 4.9% since 2017. This planning zone has met the minimum annual call volume for planning a new station since 2008. However, given that the department has been able to maintain similar benchmark compliance in the Urban areas compared to other planning zones, no station is currently being planned. However, the department will continue to closely monitor the call volume, performance, and growth in this PZ to ensure additional resources are planned for accordingly. Additionally, as a result of Station 152, the department assigned the southern fire management zones (15924 & 15925) to Station 151 to help balance workload with Station 154.

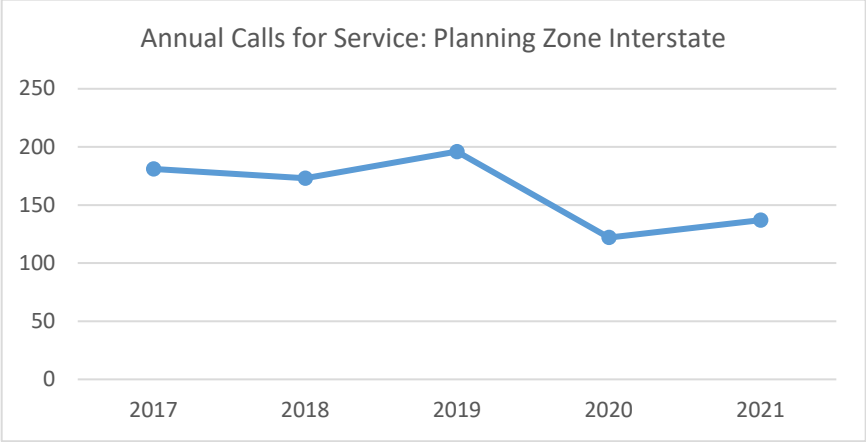
Interstate

CRFD includes 9 miles of interstate highway (I-25) with four access points (exits 181, 182, 184, 185) all with northbound and southbound access. To ensure the best possible responses, southbound I-25, north of exit 185, includes units from South Metro Fire and Rescue Authority (SMFRA). Two SMFRA stations (Stations 36 & 39) have easy access to southbound I-25. Likewise, Larkspur Fire Protection District (LFPD) co-responds northbound I-25 up to mile marker 181.

Distribution Factors Map 16.0: Interstate



Distribution Factors Chart 17.0: Interstate Incident Volume by Year



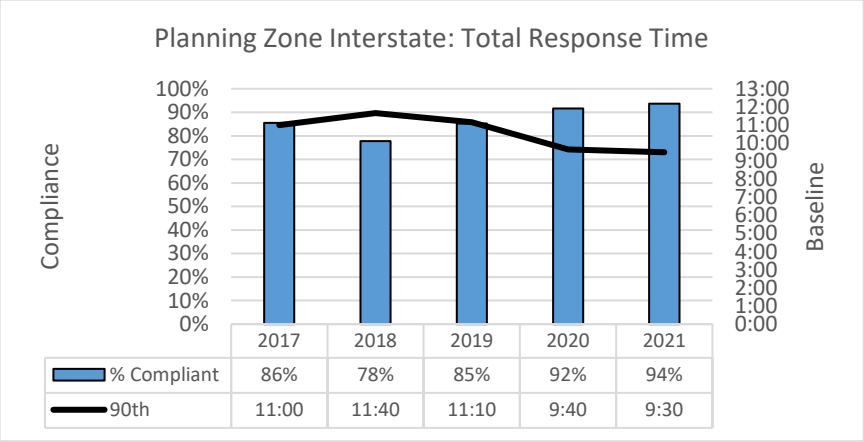
Distribution Factors Table 18.0: Interstate Baseline Performance

Interstate: 1st Due Baseline Performance		2017 - 2021	2021	2020	2019	2018	2017	Benchmark	2021 Delta	2021 Compliance
Alarm Handling		2:00	2:02	2:03	2:03	1:44	1:56	1:00	1:02	**44.8%**
		n= 726	n= 125	n= 107	n= 181	n= 148	n= 165			
Turnout Time		1:56	1:56	1:56	1:53	2:00	1:56	1:38	0:18	**75.2%**
		n= 720	n= 117	n= 101	n= 183	n= 154	n= 165			
Travel Time 1st Unit	Urban	N/A	N/A	N/A	N/A	N/A	N/A	4:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
	Rural	N/A	N/A	N/A	N/A	N/A	N/A	5:32	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
	Interstate	8:00	6:40	7:10	8:00	8:50	8:00	7:32	-0:52	95.0%
		n= 733	n= 121	n= 107	n= 181	n= 156	n= 168			
Total Response Time 1st Unit	Urban	N/A	N/A	N/A	N/A	N/A	N/A	7:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:10	N/A	N/A
		n= 0	n= 0	n= 0	n= 0	n= 0	n= 0			
	Interstate	11:00	9:30	9:40	11:10	11:40	11:50	10:10	-0:40	93.7%
		n= 744	n= 128	n= 107	n= 184	n= 157	n= 168			

Distribution Factors Table 18.1: Interstate Simultaneous Call Volume

1-Year Delta	25%	Simultaneous Calls				
5-Year Delta	-38%	2017	2018	2019	2020	2021
Interstate		4.4%	3.5%	1.5%	3.3%	3.6%
		8	6	3	4	5

Distribution Factors Chart 17.1: Interstate 1st Due Compliance



Interstate Summary:

The Interstate has fluctuated between 169 and 196 calls for service annually with simultaneous call volumes between 1.5% and 4.7% since 2015. Responses to highway incidents are challenging because there are limited access points, the individuals calling to report an incident rarely stop, and call processing tends to take longer to ensure an accurate location is provided. This is evident in the 2:00 call processing time. Travel time is entirely dependent on the road/weather conditions and how much traffic has already amassed. The department has little control on these conditions, yet continues to strive for improved services on the highway.

Distribution Summary

Based on internal and external stakeholder feedback at the end of 2017, the department has moved to reporting all performance against adopted benchmarks (performance goals). The department no longer reports call processing or turnout times based on the population density of the incident location. This is because the incident location has no impact on the call processing or turnout process with one notable exception. That exception is the call processing time for incidents on the interstate. The department has noticed a significant difference in call processing times for calls on the interstate (2:00 vs. 1:41). This is due to all calls being made from mobile phones, requiring the dispatcher to determine the location of the incident. Many times, the reporting party [caller] does not stop at the incident and cannot provide detailed or accurate incident information leading to additional questions by the dispatcher.

Since 2017, turnout times have remained fairly consistent, fluctuating only four seconds across 5 years. The turnout times are measured for all responses, except those that are initially dispatched as a non-emergent response (non-emergent lock-out, lift assist, other miscellaneous assist, etc.). Turnout times are published monthly by apparatus and shift allowing crews to compare their performance with others in their station and against the department benchmark.

Total response time for the 1st arriving unit (baselines) in the rural population densities have fluctuated between 10:00 and 9:10. Rural response time compliance is typically dependent on the location of the incident. If the incident is in planning zone 8, the southern portion of planning zone 3, or eastern portion of planning zone 6, the department recognizes it will likely exceed response time benchmarks and baselines due to distance. There are no plans for PZ8 or the southern portion of PZ3 due to the very low population and corresponding call volume. Response times and call volume in PZ6 are monitored regularly. In 2021, PZ6 received 179 calls for service, or 70% of the planning threshold and 49% of the operational threshold for planning a station based on the 2021 Fire Master Plan. In anticipation of continued growth in PZ6, the department has secured property and started the discussion and the initial phases of station needs and expects to open in the fourth quarter 2025.

Total response time for the 1st arriving unit (baselines) for the urban population densities has remained stable since 2017, only fluctuating ten seconds across five years. The department will continue to monitor its performance and compliance to selected benchmark performance standards monthly and all benchmark performance standards annually.

Concentration Factors

For the purpose of this document, Concentration shall be defined as the arrangement or spacing of multiple resources so that an effective response force (ERF) can arrive on scene within defined performance expectations (total response time). Concentration factors are factors that may influence the performance within a given concentration area.

To obtain a better understanding of the issues affecting concentration, the department reviewed the number of calls by service type (EMS, fire, HAZMAT, technical rescue and wildland urban interface) as well as the associated response times for the 1st arriving unit and the arrival of the ERF. These were reviewed by service type and geographic area - first the jurisdiction as a whole, second by station area, and lastly by station planning zone, if sufficient data was available. By reviewing the calls by service type and understanding the location and the frequency which they occur, an assessment may be completed to determine if and where there are any deficiencies in the current deployment model. All data tables may be found in their respective Appendices.

It is important to note that as data is increasingly sorted, the sample size becomes smaller and data becomes increasingly volatile. Thus, the sample size may not be sufficient for determining trends or forecasting. The Center for Public Safety Excellence (CPSE) offers a rule of thumb "that a sample size of approximately 400 is going to have an approximately 5 percent margin of error 95 percent of the time" (CPSE, 2016, p.87).

The department developed a critical task anslysis (CTA) for each incident type defined in the computer aided dispatch (CAD) system. The CTAs are the basis for determining the department's needed response plans which define the number and type of apparatus as well as the number of personnel for each call type. The response plans are synonymous with the 1st alarm or ERF. The department updated certain critical task analysis (CTA) in late 2021. Some changes were enacted immediately, while others require additional time to impement. The latest adopted CTAs may be found in Appendix B.

As noted in the Distribution Factors, there is little effect of population density on call processing or turnout time. As such, the call processing and turnout times in this section are not reported by population density.

To better summarize the factors affecting the arrival of the ERF (concentration), each service type is individually reviewed, looking at the annual compliance to stated benchmark performance goals.

Emergency Medical Service (EMS)

As with most if not all fire agencies, EMS is the highest frequency call type for CRFD. Annually, EMS represents roughly 64% of all calls for service. The EMS call type includes a broad spectrum of incidents to include, but are not limited to, emergent and non-emergent medical incidents, motor vehicle crashes (MVC), and mass casualty incidents (MCI). Incidents may receive a different effective response force (ERF) as defined by their specific CTA, found in Appendix B. Below are summaries of each EMS risk level defined by CRFD:

Low Risk EMS: *1 Medic (2 personnel)*
Low risk EMS incidents are medical assists at doctors' offices or a facility with a primary care physician or physician assistant. The effective response force is a single medic unit staffed with two personnel, and at least one paramedic. For the concentration factor analysis, only emergent responses are reviewed.

A detailed summary of the department performance may be found in Appendix D EMS Data Tables. Concentration Factor Table 1.0 provides an overview of the department's performance against adopted baselines for the last five years. Concentration Factors Table 2.0 provides a summary of low risk EMS call volume by station and planning zone.

Concentration Factors Table 1.0

EMS:	Rural ERF Compliance						Urban ERF Compliance					
Low Risk	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	67%	64%	74%	100%	100%	76%	67%	92%	79%	69%	88%	77%
Station 151	81%	83%	50%	100%	100%	79%	N/A	100%	67%	100%	N/A	89%
Station 152	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 153	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 154	64%	56%	88%	N/A	N/A	69%	N/A	71%	N/A	86%	87%	79%
Station 155	N/A	N/A	N/A	N/A	N/A	N/A	67%	91%	83%	50%	89%	73%

Concentration Factors Table 2.0

EMS: Low Risk	Rural ERF Responses						Urban ERF Responses					
	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	8	4	9	0	1	22	39	33	47	16	43	209
Station 151	1	3	3	0	1	8	0	0	0	0	0	0
Station 152	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 153	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 154	7	1	6	0	0	14	0	0	12	20	15	47
Station 155	0	0	0	0	0	0	39	33	35	27	28	162

Low risk, emergent EMS incidents in the rural population densities have fluctuated from as high as 18:00 (mutual aid response) to 4:00. Call volume in the rural areas has ranged from 0 to 9 calls per year with a total of 22 incidents. The department's performance for Low Risk emergent EMS incidents in the urban population densities has fluctuated from 6:50 to 8:20. Call volume in the urban areas ranges from 16 to 43 calls per year with a total of 209 incidents.

The dramatic change in rural baselines is in part due to the small sample size, less than 10 incidents per year and one incident requiring a mutual aid response. Another factor is an

increasing number of simultaneous calls requiring units to respond from stations further away than the primary stations.

Moderate Risk EMS: *1 Engine/Quint and 1 Medic (5 personnel)*
Moderate risk EMS incidents are the majority of the department's call volume and have increased from 2017 – 2021. Since 2017, ERF total response times have remained steady in both the rural and urban areas.

A detailed summary of the department's performance may be found in Appendix D EMS Data Tables. Concentration Factors Table 3.0 shows annual compliance compared to the CRFD's adopted baselines for Moderate Risk EMS incidents. Concentration Factors Table 4.0 provides a summary of moderate risk EMS call volume by station and planning zone.

Concentration Factors Table 3.0

EMS:	Rural ERF Compliance						Urban ERF Compliance					
Moderate Risk	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	80%	84%	85%	80%	81%	82%	80%	79%	83%	84%	85%	82%
Station 151	77%	92%	83%	89%	93%	87%	80%	83%	82%	84%	85%	83%
Station 152	N/A	49%	52%	41%	47%	47%	N/A	57%	71%	63%	64%	64%
Station 153	68%	74%	70%	83%	91%	77%	79%	79%	78%	79%	86%	80%
Station 154	93%	94%	93%	85%	93%	92%	80%	78%	81%	94%	84%	84%
Station 155	79%	90%	85%	80%	82%	83%	81%	75%	78%	79%	77%	78%
PZ1	80%	92%	93%	94%	97%	91%	94%	84%	84%	85%	85%	86%
PZ2	N/A	N/A	N/A	N/A	N/A	N/A	82%	87%	82%	76%	80%	81%
PZ3	86%	83%	85%	85%	88%	85%	86%	85%	83%	86%	88%	86%
PZ4	90%	94%	93%	94%	93%	93%	77%	76%	79%	83%	83%	80%
PZ5	79%	90%	85%	80%	83%	83%	81%	73%	78%	79%	80%	78%
PZ6	58%	50%	50%	47%	88%	59%	46%	47%	49%	29%	49%	44%
PZ7	34%	49%	84%	41%	47%	51%	N/A	64%	71%	63%	64%	66%
PZ8	0%	75%	16%	25%	0%	23%	N/A	N/A	N/A	N/A	N/A	N/A
PZ9	N/A	100%	88%	33%	50%	68%	88%	81%	86%	86%	89%	86%

The department recognizes the performance gaps for ERF arrival in PZ6, PZ7 & PZ8. The department has purchased property and begun the initial phases of station planning to address the performance gap in PZ6. With the opening of Station 152 in PZ7, the distribution (1st arrival) performance improved; however, there is still a concentration (ERF) performance gap. The department will closely monitor the call volume, ERF performance and unit hour utilization to determine the need for additional resources in Station 152. With respect to PZ8, given the extremely low frequency of calls (< 10 per year), there are no plans to address the extended response times in that planning zone.

Concentration Factors Table 4.0

EMS:	Rural ERF Responses						Urban ERF Responses					
Moderate Risk	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	574	578	539	469	561	2836	1700	1588	1825	1780	1994	8655
Station 151	220	161	169	135	152	900	616	612	651	573	633	3,094
Station 152	N/A	93	65	89	125	372	N/A	16	86	79	87	268
Station 153	63	46	19	30	24	197	204	220	261	283	297	1,197
Station 154	197	193	193	127	161	899	576	489	534	565	658	2,720
Station 155	94	85	93	88	99	468	304	251	293	280	319	1,376
PZ1	155	143	143	124	142	705	555	484	484	445	497	2,523
PZ2	N/A	N/A	N/A	N/A	N/A	N/A	61	39	39	63	65	288
PZ3	36	30	30	13	17	138	171	171	171	248	275	963
PZ4	197	172	172	127	161	854	411	251	251	419	518	1,714
PZ5	94	71	71	88	98	432	304	227	227	280	300	1,286
PZ6	20	12	12	17	8	65	33	30	30	35	41	154
PZ7	66	82	82	89	126	397	N/A	14	14	79	87	194
PZ8	3	4	4	8	5	21	N/A	N/A	N/A	N/A	N/A	N/A
PZ9	0	2	2	3	4	11	165	48	48	211	211	648

High Risk EMS: *1 Engine/Quint, 1 Medic and 1 Chief (6 personnel)*
High risk EMS incidents are those that require additional personnel to provide effective patient care (Medical Assist ECHO) or occur on the interstate requiring additional apparatus to provide early warning and scene safety. The frequency of these calls are relatively low, typically less than 50 per year. Additionally, given the duties of the battalion chief and their dynamic location, they may be responding from across the district causing a longer than normal response time. Furthermore, many Medical Assist ECHO incidents are reclassified after the initial dispatch as a Medical Assist CHARLIE or DELTA due to additional information gathered by the 911 call taker, leading to a longer response time for the battalion chief. Lastly, responses to the interstate are challenged by limited access points and heavy traffic approaching an crash scene. As previously discussed, the smaller the sample size, the more volatile the data, and therefore less reliable for planning or analysis. With that in mind, response times vary dramatically from year to year due to the low frequency.

Incidents on the interstate have been as high as 102 in 2017, but have decreased over the last several years, as low as 61 in 2020. A detailed summary of the department's performance may be found in Appendix D EMS Data Tables. Concentration Factors Table 5.0 shows annual compliance compared to the CRFD's adopted baselines for High Risk EMS incidents. Concentration Factors Table 6.0 provides a summary of high risk EMS call volume by station and planning zone.

Concentration Factors Table 5.0

EMS:	Rural ERF Compliance						Urban ERF Compliance					
High Risk	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	88%	88%	79%	100%	80%	87%	97%	89%	94%	91%	94%	93%
Station 151	75%	100%	80%	100%	100%	91%	96%	89%	100%	92%	100%	95%
Station 152	N/A	33%	75%	100%	50%	65%	N/A	N/A	100%	N/A	N/A	100%
Station 153	100%	N/A	N/A	100%	N/A	100%	100%	100%	86%	100%	83%	94%
Station 154	100%	100%	75%	N/A	100%	94%	100%	80%	91%	83%	91%	89%
Station 155	100%	100%	100%	100%	N/A	100%	100%	100%	100%	N/A	100%	100%
PZ1	75%	100%	80%	100%	100%	91%	95%	87%	100%	92%	100%	95%
PZ2	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%	N/A	N/A	100%	100%
PZ3	100%	N/A	N/A	50%	N/A	75%	100%	100%	83%	100%	83%	93%
PZ4	100%	100%	75%	N/A	100%	94%	100%	86%	89%	83%	88%	89%
PZ5	100%	100%	100%	100%	N/A	100%	100%	100%	100%	N/A	100%	100%
PZ6	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%	100%	100%	N/A	100%
PZ7	N/A	33%	75%	100%	50%	65%	N/A	N/A	100%	N/A	N/A	100%
PZ8	N/A	100%	N/A	N/A	N/A	100%	N/A	N/A	N/A	N/A	N/A	N/A
PZ9	N/A	100%	N/A	N/A	N/A	100%	N/A	80%	100%	N/A	100%	93%

Concentration Factors Table 5.1

EMS	Interstate ERF Compliance					
High Risk	2017	2018	2019	2020	2021	AVG
CRFD	90%	85%	84%	93%	91%	89%
Station 151	90%	88%	86%	95%	91%	90%
Station 152	N/A	73%	40%	50%	100%	66%
Station 153	N/A	N/A	N/A	N/A	N/A	N/A
Station 154	92%	83%	93%	100%	92%	92%
Station 155	82%	N/A	N/A	N/A	N/A	82%

Concentration Factors Table 6.0

EMS: High Risk	Rural ERF Responses						Urban ERF Responses					
	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	7	15	9	8	4	43	25	29	30	16	27	127
Station 151	3	8	3	2	1	17	16	15	9	9	13	62
Station 152	0	3	3	3	2	11	0	0	4	0	0	4
Station 153	1	0	0	3	0	4	2	4	5	2	4	17
Station 154	2	3	2	0	1	8	2	7	11	5	10	35
Station 155	1	1	1	0		3	5	3	1	0	0	9
PZ1	3	6	3	2	1	15	15	12	8	9	11	55
PZ2	N/A	N/A	N/A	N/A	N/A	0	1	1	0	0	1	3
PZ3	1	0	0	3	0	4	1	3	4	1	4	13
PZ4	2	3	2	0	1	8	2	4	9	5	7	27
PZ5	1	1	1	0	0	3	5	3	1	0	0	9
PZ6	0	1	2	3	4	10	1	1	1	1	0	4
PZ7	0	3	3	3	2	11	0	0	4	0	0	4
PZ8	0	1	0	0	0	1	N/A	N/A	N/A	N/A	N/A	0
PZ9	0	1	0	0	0	1	0	5	3	0	4	12

Concentration Factors Table 6.1

Interstate						
EMS: High Risk	2017	2018	2019	2020	2021	Total
CRFD	102	83	93	61	77	416
Station 151	75	49	46	44	57	271
Station 152	N/A	16	32	9	6	63
Station 153	N/A	N/A	N/A	N/A	N/A	N/A
Station 154	15	18	15	8	14	70
Station 155	12	0	0	0	0	12

EMS Concentration Summary:

As the department's analysis becomes more geographically specific, there are identified areas that the department cannot meet its adopted baselines, specifically within PZ6, PZ7 and PZ8, and closely monitors those planning zones. The department has purchased land and begun the initial phases of station planning in PZ6. However, the in-service date of the future Station 156 has yet to be determined, but is expected to be in the 2025 – 2026 timeframe. The department will continue to monitor its performance PZ6 against the thresholds outlined in the 2021 Fire Master Plan. The department opened Station 152 in 2018 to address the performance gap and growth in PZ7. This station houses an ALS engine company staffed with a minimum of three members. While this will not address the EMS ERF performance gap, it will close the distribution performance gap and provide ALS care while the medic unit is enroute. Furthermore, the department will monitor PZ7's performance thresholds as outlined in the 2021 Fire Master Plan to determine when

additional unit(s) will be needed. PZ8 is rural, remote, and has an extremely low annual call volume. Consequently, there are no plans for a dedicated station in that planning zone.

Even with EMS being the majority of the department's call volume, the Low and High risk EMS incidents are relatively low in volume and make it difficult to accurately trend performance or forecast needs. That said, trends for both low and high risk EMS generally follow the moderate risk EMS trends for call distribution and location.

In addition to reviewing the response times by planning zone, the department reviews the frequency and average time that all three medic units are committed to an incident. Concentration Factors Table 7.0 shows the frequency and average time of when all three medic units are committed, as well as the number of times an out of district medic arrived on-scene. The 13-minute increase in 2018 was due to a specific event. In April 2018, CRFD responded to a three-alarm wildland fire in the southern portion of the district during which a multi-house fire was reported in the northern part of the district. Both incidents required significant resources for an extended period of time.

Concentration Factor Table 7.0

	2017	2018	2019	2020	2021	avg. 17-21
Time (avg.)	14:47	27:23	14:32	15:42	15:41	14:32
Frequency	301	287	253	186	311	268
Out of District Aid Received	123	139	182	149	141	147

Additionally, Concentration Factors Table 8.0 shows the time of day and day of week that all medic units are committed since 2014. The green indicates the lowest frequency, increasing from yellow to orange and red indicating the highest frequency. Based on this data, the highest frequency of all medic units committed is between the hours of 09:00 and 19:00. CRFD addresses this by having the dispatch center notify on-duty crews of a resource depletion on the primary dispatch channel. Upon this notification, the Battalion Chief, or other chief officer, can monitor current resources and call volume or request an automatic aid medic unit be moved into the district for coverage.

Concentration Factor Table 8.0

	1 Mon	2 Tue	3 Wed	4 Thu	5 Fri	6 Sat	7 Sun	Total
00:00-00:59	1	1	0	0	1	6	2	11
01:00-01:59	5	1	1	2	1	0	5	15
02:00-02:59	1	5	0	0	2	3	0	11
03:00-03:59	1	0	0	1	3	0	2	7
04:00-04:59	0	0	3	0	3	1	0	7
05:00-05:59	1	0	4	1	2	0	1	9
06:00-06:59	2	4	1	3	1	0	2	13
07:00-07:59	9	2	4	3	8	5	3	34
08:00-08:59	9	10	7	8	12	2	3	51
09:00-09:59	18	11	24	13	14	15	8	103
10:00-10:59	9	37	25	24	21	16	11	143
11:00-11:59	24	25	28	25	23	14	13	152
12:00-12:59	28	32	23	20	26	22	19	170
13:00-13:59	20	25	25	19	27	26	29	171
14:00-14:59	14	28	15	27	25	27	14	150
15:00-15:59	23	21	20	22	21	15	22	144
16:00-16:59	26	20	18	25	23	11	5	128
17:00-17:59	24	20	17	19	23	14	17	134
18:00-18:59	27	24	22	23	23	25	12	156
19:00-19:59	13	20	11	16	24	24	3	111
20:00-20:59	13	8	6	12	25	10	8	82
21:00-21:59	11	13	9	10	13	8	5	69
22:00-22:59	8	9	6	6	6	6	2	43
23:00-23:59	1	2	5	3	3	8	0	22
Total	288	318	274	282	330	258	186	1,936

Concentration Factors: Fire

The department experiences a relatively low percentage of fire incidents, 1.7% annually since 2007. Because of this low call volume, the performance analysis and trending is difficult, and can almost be done on a call-by call basis. In fact, when elevating the ERF response, each incident is individually screened to ensure it meets the criteria. Additionally, each ERF time is reviewed for accuracy. If an ERF response includes confirmed erroneous or incorrect time values, it is excluded from the analysis. All Fire Suppression data tables may be found in the Appendix D Data Tables – Fire Suppression. Below is the summary and analysis of each fire risk level.

Fire Low Risk: *2 Suppression Companies (6 personnel)*
Low risk fire incidents account for 4.6% of all calls between 2017 – 2021. Low risk fire incident types and their response plans are listed below in Table X.X.

Concentration Factors Table X.X	
Incident Type	Effective Response Force
Down Power Line	1 Suppression Unit
Residential Fire Alarm	1 Suppression Unit
Alarm Reset	1 Suppression Unit
Arcing Transformer	1 Suppression Unit
Lightning Strike	2 Suppression Units
Commercial Alarm	2 Suppression Units (1st due emergent)
Smoke Investigation inside	2 Suppression Units
Passenger Car / Pick-up Fire	2 Suppression Units
Unattached Outbuilding Fire	2 Suppression, One Medic, 1 Chief

Incidents requiring two suppression units were selected to represent department compliance due to the number of responses. Between 2017 and 2021, CRFD was dispatched to 263 low risk fire suppression incidents. However, only 38 of those received an ERF. A detailed description of the Critical Task Analysis can be found in Appendix B: Critical Task Analysis . Concentration Factors Tables 9.0 and 10.0, shows the department's compliance to adopted benchmarks for both rural and urban population densities. The following table, Concentration Factors Table 11.0, details the annual call volume for low risk fire incidents. As evidenced by Table 11.0, the low frequency and small sample size makes performance trending and forecasting impractical. A detailed summary of the department annual response data for low risk fire incidents may be found in Appendix E: Fire Suppression Data Tables.

Concentration Factors Table 9.0

Low Risk: Fire	Rural ERF Compliance						Urban ERF Compliance					
	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	80%	80%	85%	80%	92%	83%	80%	93%	88%	81%	83%	85%
Station 151	100%	100%	100%	100%	71%	94%	57%	89%	86%	82%	92%	81%
Station 152	N/A	0%	67%	N/A	50%	33%	N/A	N/A	N/A	67%	N/A	N/A
Station 153	0%	100%	100%	0%	100%	60%	75%	100%	67%	100%	N/A	N/A
Station 154	100%	100%	83%	100%	100%	97%	100%	92%	100%	73%	67%	86%
Station 155	N/A	100%	100%	N/A	N/A	100%	100%	100%	100%	100%	100%	100%

Concentration Factors Table 10.0

Low Risk: Fire	Interstate ERF Compliance					
	2017	2018	2019	2020	2021	AVG
CRFD	50%	100%	100%	80%	100%	86%
Station 151	0%	100%	N/A	100%	100%	75%
Station 152	N/A	N/A	N/A	100%	N/A	100%
Station 153	N/A	N/A	N/A	N/A	N/A	N/A
Station 154	100%	N/A	100%	367%	N/A	189%
Station 155	N/A	N/A	N/A	N/A	N/A	N/A

Concentration Factors Table 11.0

Low Risk Fire ERF Incidents												
Fire: Low Risk	Rural ERF Responses						Urban ERF Responses					
	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	10	5	13	5	13	46	20	27	24	31	23	125
Station 151	4	0	2	3	4	9	7	9	7	11	13	34
Station 152	N/A	1	3	0	2	4	N/A	0	0	3	0	3
Station 153	2	2	1	1	3	6	4	1	6	2	0	13
Station 154	4	1	6	1	4	12	7	13	7	11	9	38
Station 155	0	1	1	0	0	2	2	4	4	4	1	14

Fire: Low Risk	Interstate ERF Responses					
	2017	2018	2019	2020	2021	Total
CRFD	3	2	1	5	2	13
Station 151	2	2	0	1	2	7
Station 152	N/A	0	0	1	0	1
Station 153	0	0	0	0	0	0
Station 154	1	0	1	3	0	5
Station 155	0	0	0	0	0	0

Fire: Moderate Risk: *3 Engines, 1 Quint, 2 Medics, and 2 Chiefs (18 Personnel)*

Moderate risk fires are fires that occur in single family residential structures and account for 0.3% of the call volume between 2017 - 2021. The department updated its ERF/CTA in July 2017, and this change added an additional (4th) suppression company to staff a dedicated rapid intervention team (RIT). The second medic company was re-assigned from RIT to that of patient care/transport or establishment of a medical group. Since the implementation of this change, the department has had 22 fires in which a full ERF arrived on scene. Prior to the July 2017 ERF/CTA change, there was one incident that received a full ERF. However, considering that those incidents no longer represent the department's deployment model, they are not included in Concentration Factors Tables 12.0 or 13.0.

As seen in the Concentration Factor Tables 12.0, the department's compliance to adopted benchmarks varies dramatically from year to year. This is due to the extremely low frequency of moderate risk structure fires that receive an ERF, as shown in Concentration Factors Table 13.0. A detailed summary of the department's annual response data,

including data prior to the ERF update of 7/1/2017 for moderate risk fire incidents, may be found in Appendix E: Fire Suppression Data Tables.

Concentration Factors Table 12.0

Moderate Risk: Fire	Rural ERF Compliance						Urban ERF Compliance					
	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	N/A	0%	N/A	N/A	N/A	0%	0.0%	0.0%	66.7%	40.0%	33.3%	28%
Station 151	N/A	0%	N/A	N/A	N/A	0%	0.0%	0.0%	100%	100%	100%	60%
Station 152	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	0%
Station 153	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	50.0%	33.3%	0.0%	21%
Station 154	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	0.0%	N/A	0.0%	100%	25%
Station 155	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	N/A	0.0%	0%

Concentration Factors Table 13.0

Moderate Risk Fire ERF Incidents												
Fire: Moderate Risk	Rural ERF Responses						Urban ERF Responses					
	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	0	1	0	0	0	1	2	5	3	5	6	21
Station 151	0	1	0	0	0	1	1	2	1	1	1	6
Station 152	N/A	0	0	0	0	0	N/A	0	0	0	2	2
Station 153	0	0	0	0	0	0	0	2	1	3	1	7
Station 154	0	0	0	0	0	0	1	1	0	1	1	4
Station 155	0	0	0	0	0	0	0	0	1	0	1	2

Fire: High Risk: *4 Engines, 1 Quint, 2 Medics, and 2 Chiefs (21 personnel)*
High risk fires are fires that occur in commercial occupancies or multi-family structures and account for 0.2% of the annual call volume. The department updated its ERF/CTA in July 2017, and this change added an additional (5th) suppression company to staff a dedicated rapid intervention team (RIT). The second medic company was re-assigned from RIT to that of patient care/transport or establishment of a medical group. Since the implementation of this change, the department has had seven fires in which a full ERF arrived on scene. Prior to the July 2017 ERF/CTA change, there were three incidents that received a full ERF. However, considering that those incidents no longer represent the department's deployment model, they are not included in Concentration Factors Tables 14.0 or 15.0 below.

As seen in the Concentration Factor Tables 14.0, the department's compliance to adopted benchmarks varies dramatically from year to year. This is due to the extremely low frequency of high risk structure fires that receive an ERF, as shown in Concentration Factors Table 15.0. A detailed summary of the department's annual response data, including data prior to the ERF update of 7/1/2017, for moderate risk fire incidents, may be found in Appendix E: Fire Suppression Data Tables.

Concentration Factors Table 14.0

High Risk: Fire	Rural ERF Responses						Urban ERF Responses					
	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	N/A	N/A	N/A	N/A	100%	N/A	50.0%	100%	100%	50.0%	100%	80.0%
Station 151	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%	100%	100%	100%
Station 152	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 153	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 154	N/A	N/A	N/A	N/A	100%	N/A	100%	100%	N/A	0.0%	N/A	66.7%
Station 155	N/A	N/A	N/A	N/A	N/A	N/A	0.0%	N/A	N/A	85.7%	N/A	42.9%

Concentration Factors Table 15.0

High Risk Fire ERF Incidents												
Fire: High Risk	Rural ERF Responses						Urban ERF Responses					
	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	0	0	0	0	1	0	2	4	1	2	1	9
Station 151	0	0	0	0	0	0	0	3	0	1	1	4
Station 152	N/A	0	0	0	0	0	N/A	0	0	0	0	0
Station 153	0	0	0	0	0	0	0	0	0	0	0	0
Station 154	0	0	0	0	1	0	1	1	0	1	0	3
Station 155	0	0	0	0	0	0	1	0	1	0	0	2

Fire Concentration Summary:

Fire incidents account for only 1.3% of CRFD's annual call volume since 2017. Because of that low call volume and small sample size, performance trending and forecasting is not practical and subject to a great deal of variation. As such, the department has elected to use a five-year time window for establishing baselines and benchmarks. However, even with a five-year time window, the sample size is still very low and thus introduces a great deal of volatility.

Conversely, one benefit of a small size is that all incidents may be individually reviewed. Annually, the department reviews all moderate and high risk fire suppression ERF incidents to evaluate performance and determine if there was significant deviation from the adopted baselines. The following incidents were excluded from the data analysis, as well as the reason for exclusion.

Furthermore, the department's Compliance Team conducts an evaluation of moderate and high risk structure fires to review actions taken, incident narrative, and after action reviews (when available) to determine compliance with standard operating guidelines and adopted CTAs. Based on the Compliance Team's latest review, they proposed the following changes to the existing response plans.

Recommendation	Status
Add new call type/response plan for APPLIANCE FIRE	Implemented
Add new call type/response plan for UNCONFIRMED STRUCTURE FIRE for both moderate and high risk categories.	Rejected

Incident Exclusion list

Incident Number	Discussion	Risk Level
2017	No data exclusions in 2017 (updated CTA July 1 2017)	
2018-0062	Arrival time for E153 (58:53) is not correct. E153 arrived at the same time as DVC151 (14:59) per review of audio file.	Moderate Risk
2018-1595	Incident occurred at the time as a multiple alarm	Moderate Risk
2018-1723	Reclassified from COMMERCIAL FIRE ALARM to COMMERCIAL STRUCTURE FIRE @ 14:54 after alarm receipt	High Risk
2018-3161	Arrival time for DVC151 (31:10) is not correct. DVC151 arrived at roughly 10:00 per review of the audio file.	Moderate Risk
2018-4924	No arrival time logged in CAD for Q151 to complete the ERF. However, Q151 was on scene for 68 minutes and received assignments per the report narrative.	Moderate Risk
2019-0867	Reclassified from an OUTBUILDING FIRE to a RESIDENTIAL STRUCTURE FIRE @ 2:44 after alarm receipt	Moderate Risk
2020	No incidents excluded in 2020	
2021-4265	Reclassified CAR FIRE to RESIDENTIAL STRUCTURE FIRE upon arrival if first suppression unit	Moderate Risk

Concentration Factors: HAZMAT

Hazardous Materials (HAZMAT) incidents are the third most frequent incident type accounting for 3.0% of the department's annual call volume after EMS and "Other" respectively since 2007. The majority of the HAZMAT incidents fall into the low and moderate risk categories. The department maintains an "operations level" of service with all personnel trained and certified to the State of Colorado HAZMAT Operations level. The department has a number of personnel trained and certified to the State of Colorado HAZMAT Technician level, and maintains automatic and mutual aid agreements with all surrounding agencies as well as those along the Front Range to ensure sufficient resources can be called upon as needed. The detailed CTAs are found in Appendix B.

HAZMAT Low Risk: *2 Suppression Units (6 personnel)*
Low risk HAZMAT incidents include LP/gas leak outside, environmental alarm, fuel spills less than 25 gallons, and carbon monoxide alarms with no symptoms and accounts for 1.1% of the department's call volume for the evaluation period. Low risk HAZMAT incidents only require a single unit response, therefore the 1st arriving unit is the ERF. A detailed description of the Critical Task Analysis can be found in Appendix B: Critical Task Analysis.

Between 2017 and 2021, CRFD was dispatched to 345 low risk HAZMAT incidents. Concentration Factors Table 16.0 shows the department's compliance to the adopted benchmarks for low risk HAZMAT incidents. Concentration Factors Table 17.0 details the annual call volume for low risk HAZMAT incidents. As evidenced by Table 17.0, the low frequency and small sample size makes performance trending and forecasting impractical. A detailed summary of the department's annual response data for low risk HAZMAT incidents may be found in Appendix F: HAZMAT Data Tables.

Concentration Factors Table 16.0

HAZMAT: Low Risk	Rural Compliance						Urban Compliance					
	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	75%	87%	70%	90%	77%	79%	52%	58%	69%	58%	44%	56%
Station 151	70%	75%	100%	100%	100%	89%	47%	80%	80%	44%	55%	61%
Station 152	N/A	100%	17%	100%	25%	60%	N/A	N/A	50%	100%	0%	50%
Station 153	100%	100%	33%	100%	N/A	83%	33%	57%	43%	56%	25%	43%
Station 154	78%	86%	88%	67%	78%	79%	58%	50%	64%	62%	30%	53%
Station 155	75%	100%	100%	100%	0%	75%	33%	44%	80%	60%	60%	56%

Concentration Factors Table 17.0

HAZMAT: Low Risk	Rural Responses						Urban Responses					
	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	24	15	23	19	17	98	33	39	50	70	48	240
Station 151	10	4	5	7	3	29	15	10	16	15	20	76
Station 152	N/A	2	6	2	4	14	N/A	N/A	2	2	1	5
Station 153	1	1	3	1	0	6	3	7	7	16	12	45
Station 154	9	7	8	6	9	39	12	13	14	26	10	75
Station 155	4	1	1	3	1	10	3	9	11	11	5	39

HAZMAT Moderate Risk: *2 Suppression Units, 1 Medic, and 1 Chief (9 personnel)*

Moderate risk HAZMAT incidents include fuel spills greater than 25 gallons, LP/Gas leak inside, LP/Gas line rupture or cut, chemical/biological investigations, and carbon monoxide alarms with symptoms, and account for 1.0% of the department call volume for the evaluation period. The ERF for inside LP/gas line rupture was selected for this analysis because it requires the greatest number of resources and has the highest number of responses. Between 2017 and 2021, CRFD was dispatched to 563 moderate risk HAZMAT incidents. However, only 289 of those received an ERF. A detailed description of the Critical Task Analysis can be found in Appendix B: Critical Task Analysis. Concentration Factors Table 18.0 shows the department's compliance to adopted benchmarks. The following table, Concentration Factors Table 19.0, details the annual call volume for moderate risk HAZMAT incidents. A detailed summary of the department's annual response data for high risk HAZMAT incidents may be found in Appendix F: HAZMAT Data Tables.

Concentration Factors Table 18.0

HAZMAT:	Rural ERF Compliance						Urban ERF Compliance					
Moderate Risk	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	78%	77%	94%	75%	88%	82%	92%	91%	84%	93%	84%	89%
Station 151	75%	0%	100%	100%	86%	72%	100%	100%	90%	86%	90%	93%
Station 152	N/A	75%	67%	60%	100%	75%	N/A	N/A	100%	100%	60%	87%
Station 153	67%	67%	N/A	67%	0%	50%	75%	100%	90%	100%	69%	87%
Station 154	100%	100%	100%	100%	100%	100%	88%	77%	73%	93%	100%	86%
Station 155	100%	N/A	N/A	100%	67%	89%	100%	100%	100%	100%	100%	100%

Concentration Factors Table 19.0

HAZMAT:	Rural ERF Responses						Urban ERF Responses					
Moderate Risk	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	9	13	17	12	24	75	37	32	57	45	43	214
Station 151	4	1	4	1	7	17	13	10	19	14	10	66
Station 152	N/A	4	3	5	7	19	N/A	0	3	1	5	9
Station 153	3	3	0	3	1	10	4	3	10	10	13	40
Station 154	1	5	10	2	6	24	16	13	22	14	11	76
Station 155	1	0	0	1	3	5	4	6	3	6	4	23

HAZMAT High Risk: *2 Suppression Companies, 1 HAZMAT, 1 Medic, and 1 Chief (12 personnel)*
High risk HAZMAT calls are very rare. These incidents are limited to a hazardous materials release. It is important to note that the stated ERF is intended to determine the level of entry and/or complexity of the incident. If an entry is required that necessitates Level A or B protective ensemble, additional resources (HAZMAT Task Force) must be called. Between 2017 and 2021, CRFD was dispatched to 19 high risk HAZMAT incidents. However, only one of those received an ERF. Concentration Factors Table 20.0 shows the department's compliance to adopted benchmarks for high risk HAZMAT incidents. The following table, Concentration Factors Table 21.0, details the annual call volume for high risk HAZMAT incidents. As evidenced by Table 21.0, the low frequency and small sample size makes performance trending and forecasting impractical. A detailed summary of the department annual response data for high risk HAZMAT incidents may be found in Appendix F: HAZMAT Data Tables.

Concentration Factors Table 20.0

HAZMAT: High Risk	Rural ERF Compliance						Urban ERF Compliance					
	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0%	0%
Station 151	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 152	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 153	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 154	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0%	0%
Station 155	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Concentration Factors Table 21.0

HAZMAT: High Risk	Rural ERF Responses						Urban ERF Responses					
	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	0	0	0	0	0	0	0	0	0	0	1	1
Station 151	0	0	0	0	0	0	0	0	0	0	0	0
Station 152	N/A	0	0	0	0	0	N/A	0	0	0	0	0
Station 153	0	0	0	0	0	0	0	0	0	0	0	0
Station 154	0	0	0	0	0	0	0	0	0	0	1	1
Station 155	0	0	0	0	0	0	0	0	0	0	0	0

HAZMAT Concentration Factors Summary:
The low call volume for all HAZMAT incidents makes it impractical for any trend or forecasting analysis. Annually, the department individually reviews all high risk HAZMAT ERF incidents to evaluate performance and determine if there was significant deviation from adopted baselines.

Incident Exclusion list

Incident Number	Discussion	Risk Level
2019-4260	Incident reclassified from FUEL SPILL to HAZMAT (UNKNOWN) at 2:33 after alarm receipt.	High Risk
2019-4844	After initial arrival, dues to conditions, units were instructed to respond non-emergent.	High Risk

Concentration Factors: Wildland

The wildland fire risk is pervasive throughout the jurisdiction, and is highly weather dependent. The region experiences sustained winds and low humidity year round. Because of the climate, the department responds to wildland fires through the year. Currently, there are four call types for wildland; outside smoke investigation, illegal/controlled burn, wildland fire [non-threatening], and wildland fire [threatening]. Effective March 1, 2022 the department will implement new wildland call types; outside smoke investigation, illegal/controlled burn, outside fire, small brush fire, large brush fire, and Wildland Interface Fire. Each of the current and pending indient types receive a different ERF, and are detailed in Appendix B: Critical Task Analysis.

Wildland Low Risk: 1 Suppression Company (3 personnel)

Low risk wildland incidents include outside smoke investigations and illegal/controlled burns, and accounts for 0.4% of the department call volume for the evaluation period. In July 2017, the department updated the Effective Response Force for low risk wildland fire incidents, decreasing the ERF to a single suppression company. This reduction was due to the frequency that the second suppression company was placed in service by on-scene resources prior to arrival. Between 2017 and 2021, CRFD responded (emergent) to 101 low risk wildland incidents. Concentration Factors Table 22.0 shows the department's compliance to adopted baselines for low risk wildland incidents. The following table, Concentration Factors Table 23.0, details the annual call volume for low risk wildland incidents. As evidenced by Table 23.0, the low frequency and small sample size makes performance trending and forecasting impractical. A detailed summary of the department's annual response data for low risk wildland incidents may be found in Appendix G: Wildland Suppression Data Tables.

Concentration Factors Table 22.0

Wildland: Low Risk	Rural Compliance						Urban Compliance					
	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	33%	50%	75%	N/A	25%	46%	64%	58%	54%	N/A	50%	56%
Station 151	40%	N/A	100%	N/A	50%	63%	75%	67%	50%	N/A	43%	59%
Station 152	N/A	N/A	100%	N/A	N/A	100%	N/A	N/A	100%	N/A	50%	75%
Station 153	100%	0%	0%	N/A	0%	25%	67%	N/A	50%	N/A	60%	59%
Station 154	0%	100%	100%	N/A	100%	75%	40%	0%	0%	N/A	75%	29%
Station 155	0%	N/A	N/A	N/A	N/A	0%	50%	0%	N/A	N/A	0%	17%

Concentration Factors Table 23.0

Wildland: Low Risk	Rural Incidents						Urban Incidents					
	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	9	2	4	4	5	24	11	12	13	15	26	77
Station 151	5	0	1	0	2	8	4	3	8	4	7	26
Station 152	N/A	0	1	1	0	2	N/A	0	2	0	2	4
Station 153	1	1	1	1	1	5	0	6	2	5	5	18
Station 154	2	1	1	1	2	7	5	2	1	4	8	20
Station 155	1	0	0	1	0	2	2	1	0	2	4	9

Wildland Moderate Risk: *2 Brush Trucks, 1 Engine, 1 Medic and 1 Chief (12 personnel)*
Moderate risk wildland fires are vegetation fires that do not immediately threaten structures or improvements and account for 0.3% of department call volume for the evaluation period. Between 2017 and 2021, CRFD responded (emergent) to 85 moderate risk wildland incidents, of which only 14 received a complete ERF. A detailed description of the Critical Task Analysis can be found in Appendix B: Critical Task Analysis . Concentration Factors Table 24.0 shows the department's compliance to adopted baselines for moderate risk wildland incidents. The following table, Concentration Factors Table 25.0, details the annual call volume for moderate risk wildland incidents. As evidenced by Table 25.0, the low frequency and small sample size makes performance trending and forecasting impractical. A detailed summary of the department's annual response data for moderate risk wildland incidents may be found in Appendix G: Wildland Suppression Data Tables.

Concentration Factors Table 24.0

Wildland: Moderate Risk	Rural ERF Compliance						Urban ERF Compliance					
	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	50%	0%	50%	N/A	100%	50%	100%	N/A	N/A	25%	0%	42%
Station 151	100%	0%	0%	N/A	100%	50%	N/A	N/A	N/A	25%	0%	13%
Station 152	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 153	N/A	0%	0%	N/A	N/A	0%	100%	N/A	0%	N/A	N/A	50%
Station 154	N/A	N/A	0%	N/A	N/A	0%	N/A	N/A	0%	N/A	N/A	0%
Station 155	0%	N/A	33%	N/A	N/A	17%	N/A	N/A	0%	N/A	N/A	0%

Concentration Factors Table 25.0

Wildland: Moderate Risk	Rural ERF Incidents						Urban ERF Incidents					
	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	1	2	2	0	2	7	2	0	0	4	1	7
Station 151	0	1	0	0	2	3	0	0	0	4	1	5
Station 152	N/A	0	0	0	0	0	N/A	0	0	0	0	0
Station 153	0	1	0	0	0	1	2	0	0	0	0	2
Station 154	0	0	1	0	0	1	0	0	0	0	0	0
Station 155	1	0	1	0	0	2	0	0	0	0	0	0

Wildland: High Risk: 2 Type VI Brush, 1 Engine or Type III Brush, 1 Medic, and 1 Chief (16 personnel)
High risk wildland fires are vegetation fires that immediately threaten structures or improvements and account for 0.1% of department call volume for the evaluation period. Between 2017 and 2021, CRFD responded (emergent) to 30 high risk wildland incidents, of which only four received a complete ERF. A detailed description of the Critical Task Analysis can be found in Appendix B: Critical Task Analysis . There was one high risk wildland incident during the evaluation period that received a complete ERF. A detailed summary of the department's annual response data for moderate risk wildland incidents may be found in Appendix G: Wildland Suppression Data Tables.

Concentration Factors Table 26.0

Wildland: High Risk	Rural ERF Compliance						Urban ERF Compliance					
	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	N/A	N/A	100%	50%	N/A	75%	N/A	0%	N/A	50%	N/A	25%
Station 151	N/A	N/A	N/A	100%	N/A	100%	N/A	0%	N/A	100%	N/A	50%
Station 152	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 153	N/A	N/A	100%	0%	N/A	50%	N/A	N/A	N/A	N/A	N/A	N/A
Station 154	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0%	N/A	0%
Station 155	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Concentration Factors Table 27.0

Wildland: High Risk	Rural ERF Incidents						Urban ERF Incidents					
	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	0	0	1	1	0	2	0	1	0	1	0	2
Station 151	0	0	0	1	0	1	0	1	0	1	0	2
Station 152	N/A	0	0	0	0	0	N/A	0	0	0	0	0
Station 153	0	0	1	0	0	1	0	0	0	0	0	0
Station 154	0	0	0	0	0	0	0	0	0	0	0	0
Station 155	0	0	0	0	0	0	0	0	0	0	0	0

Wildland Concentration Factors Summary:
The low call volume for all wildland fire incidents makes it impractical for any trend or forecasting analysis. Annually, the department individually reviews all moderate and high risk wildland ERF incidents to evaluate performance and determine if there was significant deviation from adopted baselines.

Incident Exclusion list

Incident Number	Discussion	Risk Level
2017-3087	Incident was reclassified from OUTSIDE SMOKE INVESTIGATION to BRUSH FIRE (NT) at 5:19 after alarm receipt	Moderate
2017-3213	Incident was reclassified from SMOKE INVESTIGATION to BRUSH FIRE (NT) at 4:41 after alarm receipt	Moderate
2017-5064	After initial arrival, due to conditions, units were instructed to respond non-emergent.	High
2018-2940	Incident was reclassified from multiple times due to conflicting information from reporting parties.	Moderate
2019-2772	Data entry error in CAD: units arrived to staging and were held until weather (lightning) cleared. CAD times reflect time release from staging, not arrival on-scene.	Moderate
2020-0236	Data entry error in CAD: CAD reports the final apparatus (BR39) arriving at 15:42. However, METCOM (the unit's primary dispatch center) has the unit arriving at 15:33, a nine-minute difference. This would have made the ERF arrival time 13 minutes instead of the reported 22 minutes.	High
2021-4123	After initial arrival, due to conditions, units were instructed to respond non-emergent.	High

Concentration Factors: Technical Rescue

As defined in Section D, Services Provided, technical rescue incidents include:

- Trench rescue
- Confined space rescue
- Building collapse
- High/low angle rope rescue
- Water/ice rescue
- Vehicle extrication

Generally speaking, technical rescue incidents are considered low frequency / high risk incidents. As such, they typically require multiple companies, special equipment and technical knowledge/expertise to effect rescues in the safest manner possible for both the victim and rescuers.

Technical Rescue Low Risk: *1 Suppression unit, 1 Medic unit, and 1 Chief (6 personnel)*
Low risk technical rescue incidents are typically dispatched as an entrapment or parties trapped in an elevator and received an emergent response, and account for less than 0.07% of the department call volume for the evaluation period. A detailed description of the Critical Task Analysis can be found in Appendix B: Critical Task Analysis. Concentration Factors Table 28.0 shows the department's compliance to adopted baselines for low risk technical rescue incidents. The following table, Concentration Factors Table 29.0, details the annual call volume for low risk technical rescue incidents. As evidenced by Table 29.0, the low frequency and small sample size makes performance trending and forecasting impractical. A detailed summary of the department's annual response data for low risk technical rescue incidents may be found in Appendix H: Technical Rescue Data Tables.

Concentration Factors Table 28.0

Tech Rescue:	Rural ERF incidents						Urban ERF Incidents					
Low Risk	2017	2018	2019	2020	2021	Total	2017	2018	2019	2020	2021	Total
CRFD	1	0	1	0	0	2	1	0	1	2	2	6
Station 151	1	0	0	0	0	1	0	0	0	2	0	2
Station 152	N/A	0	0	0	0	0	N/A	0	0	0	0	0
Station 153	0	0	0	0	0	0	1	0	0	0	1	2
Station 154	0	0	1	0	0	1	0	0	1	0	1	2
Station 155	0	0	0	0	0	0	0	0	0	0	0	0

Concentration Factors Table 29.0

Tech Rescue:	Rural ERF Compliance						Urban ERF Compliance					
Low Risk	2017	2018	2019	2020	2021	AVG	2017	2018	2019	2020	2021	AVG
CRFD	100%	N/A	100%	N/A	N/A	100%	100%	N/A	100%	100%	50%	88%
Station 151	100%	N/A	N/A	N/A	N/A	100%	N/A	N/A	N/A	100%	N/A	100%
Station 152	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 153	N/A	N/A	N/A	N/A	N/A	N/A	100%	N/A	N/A	N/A	100%	100%
Station 154	N/A	N/A	100%	N/A	N/A	100%	N/A	N/A	100%	N/A	0%	50%
Station 155	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Technical Rescue Moderate Risk: *1 Suppression Unit, 1 Medic, 1 Squad, and 1 Chief (9 personnel)*
Moderate risk technical rescue incidents include HI/LO angle rope rescue, extrication of victims from machinery, or extrication/rescue other, or MVC with extrication and accounts for 0.3% of the department's call volume for the evaluation period. Between 2017 and 2021, CRFD was dispatched to 97 moderate risk technical rescue incidents. However, only one of those received an ERF. The ERF for HI/LO angle rope rescue was selected because it was the only incident type that received an ERF during the evaluation period. A detailed description of all the Critical Task Analysis can be found in Appendix B: Critical Task Analysis . Concentration Factors Table 30.0 shows the department's compliance to adopted baselines for moderate risk technical rescue incidents. The following table, Concentration Factors Table 31.0, details the annual call volume for moderate risk technical rescue incidents. As evidenced by Table 31.0, the low frequency and small sample size makes performance trending and forecasting impractical. A detailed summary of the department's annual response data for low risk technical rescue incidents may be found in Appendix H: Technical Rescue Data Tables.

Concentration Factors Table 30.0

Tech Rescue: Moderate Risk	Rural						Urban					
	2016	2017	2018	2019	2020	Total	2016	2017	2018	2019	2020	Total
CRFD	0	0	0	0	0	0	0	0	0	0	1	1
Station 151	0	0	0	0	0	0	0	0	0	0	1	1
Station 152	0	0	0	0	0	0	0	0	0	0	0	0
Station 153	0	0	0	0	0	0	0	0	0	0	0	0
Station 154	0	0	0	0	0	0	0	0	0	0	0	0
Station 155	0	0	0	0	0	0	0	0	0	0	0	0

Concentration Factors Table 31.0

Tech Rescue: Moderate Risk	Rural						Urban					
	2016	2017	2018	2019	2020	AVG	2016	2017	2018	2019	2020	AVG
CRFD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%
Station 151	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	100%	100%
Station 152	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 153	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 154	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 155	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Technical Rescue High Risk:
High risk technical rescue incidents include any incidents that include dive, trench, confined space, collapse, or water/ice rescues. The ERF for these incidents vary depending on the type and complexity of the event and are detailed in the Appendix B: Critical Task Analysis . Between 2017 and 2020, there were no high risk technical rescue incidents that received an ERF.

Concentration Factors Table 32.0

Tech Rescue: High Risk	Rural						Urban					
	2016	2017	2018	2019	2020	AVG	2016	2017	2018	2019	2020	AVG
CRFD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 151	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 152	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 153	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 154	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Station 155	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Concentration Factors Table 33.0

Tech Rescue: High Risk	Rural						Urban					
	2016	2017	2018	2019	2020	Total	2016	2017	2018	2019	2020	Total
CRFD	0	0	0	0	0	0	0	0	0	0	0	0
Station 151	0	0	0	0	0	0	0	0	0	0	0	0
Station 152	N/A	N/A	0	0	0	0	N/A	N/A	0	0	0	0
Station 153	0	0	0	0	0	0	0	0	0	0	0	0
Station 154	0	0	0	0	0	0	0	0	0	0	0	0
Station 155	0	0	0	0	0	0	0	0	0	0	0	0

Technical Rescue Concentration Factors Summary:
As with other services, the low call volume for all technical rescue incidents makes it impractical for any trend or forecasting analysis. The department will monitor these incidents as they occur as they present a very low frequency and high risk service type.

Incident Exclusion list

Incident Number	Discussion	Risk Level
2020-1231	Incident was reclassified from a MEDICAL ASSIST 3:13 after the initial alarm receipt a HI/LO ANGLE RESCUE	Moderate
2020-1751	Incident was reclassified from a MEDICAL ASSIST after 14:23 the initial alarm receipt to a CONFINED SPACE RESCUE	High

Concentration Factor: Summary

Generally speaking, with the exception of EMS, CRFD does not have sufficient ERF call volume to generate an adequate sample size to perform statistically stable trending or forecasting analysis, even using a five-year time window. That said, CRFD will continue to evaluate and report all service and risk levels on an annual basis. Additionally, the department will review all moderate and high risk ERF incidents for Fire, HAZMAT, Technical Rescue, and Wildland to verify compliance to adopted performance standards, monitor potential trends, and report on an annual basis.

Reliability Factors

For the purpose of this study, "Reliability" shall be defined as the ability of the first due suppression company (engine or quint) to respond to calls within its primary response area or station district. Reliability is reported as a simple percentage (percent time assigned unit was first on scene in its district). Beyond reliability, the department examined the travel time delta, the difference in time between the in-station suppression unit and out-of-station suppression unit to gain a better understanding on the impact of units not being available for calls within their 1st due response area. In addition to the reliability and travel time delta, it is important to understand what units are responding in place of the first due company when that company is otherwise occupied. Lastly, the department examined each company's hourly utilization, or in other words, what percentage of each hour was a company engaged in an incident.

The following information details each of the department's suppression companies' reliability from 2017 through 2021. There are four tables and two charts for each apparatus. The first table shows the percentage of reliability by year and overall. The second table shows that travel time delta in minutes and seconds (MM:SS) with a chart depicting the five-year trend. The third is a chart showing the number of incidents within a station area that the 1st due unit was not the unit assigned to that station. The fourth table shows the unit hour utilization (UHU) for each apparatus by hour of the day. Green indicates lower UHUs while yellow and orange indicate higher UHUs. Red shows the highest UHU for that apparatus. The higher the UHU, the less reliable that unit is - due to being committed to other incidents. In addition, this UHU data is limited only to in-service or out of service. The department cannot track why a unit was out of service, i.e. calls, training, public education, maintenance, etc. Currently, the department is not aware of any automated method to account for a unit's non-emergent commit time.

Typical fire service UHU for medic units is between 25% and 30%. When a unit exceeds 30% UHU, then consideration must be given on how to reduce the UHU. This can be done by reassigning response zones to reduce call volume, adding an additional unit in that response zone, adding an additional unit in the overall service area, etc. In addition to medic unit UHU, the department is reviewing the frequency and average time that all three medic units are committed.

Quint 151

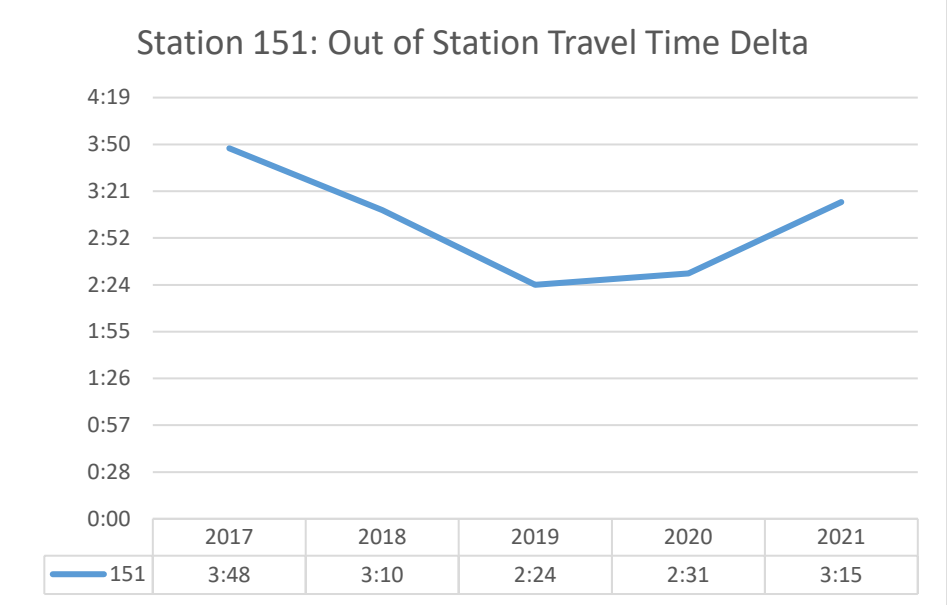
Quint 151 had an average reliability of 85.5% with an average UHU of 7.7% and average peak UHU of 10.5%. Quint 151's UHU has fluctuated from a low of 6.9% in 2020 to a high of 8.3% in 2017 as seen in Reliability Factors Table 4.0. Quint 151 receives primary support coming from Engine 152 when unavailable or committed. As seen in Section D: Distribution Factors, Station 151 had about 11.6% of its calls occurring simultaneously. When Quint 151 is not the first apparatus to arrive, the response time delta is about three minutes (3:01) as seen in Reliability Factors Table 2.0.

Reliability Factor Table 1.0: Q151 Reliability

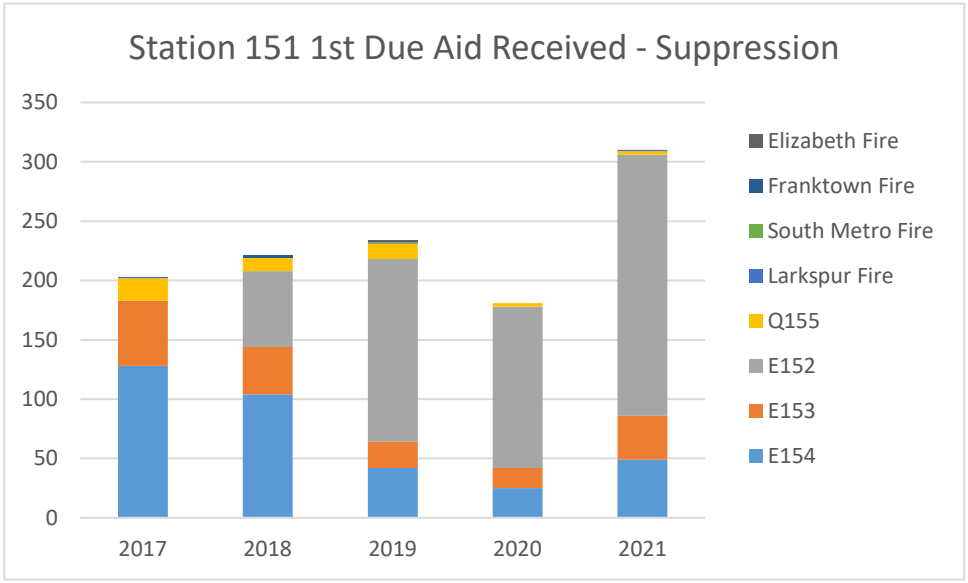
	2017	2018	2019	2020	2021	2017 - 2021
Q151	86.8%	84.5%	82.0%	88.6%	85.8%	85.5%

Reliability Factor Table 2.0: Travel Time Delta

	2017	2018	2019	2020	2021	2017 - 2021
151	3:48	3:10	2:24	2:31	3:15	3:01



Reliability Factor Table 3.0



Reliability Table 4.0: Q151 UHU

E/Q151	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Overall
2017	5.6%	3.6%	3.6%	2.5%	2.6%	4.5%	4.5%	7.1%	8.2%	12.5%	11.0%	10.7%	10.5%	12.3%	11.4%	15.2%	10.7%	10.2%	11.6%	9.4%	10.0%	9.1%	7.4%	5.2%	8.3%
2018	5.7%	4.8%	2.9%	2.9%	3.7%	2.8%	4.6%	6.7%	6.7%	10.1%	13.3%	12.6%	11.1%	11.6%	10.7%	10.0%	10.4%	12.1%	10.6%	9.4%	6.1%	9.1%	6.2%	6.5%	8.2%
2019	4.5%	3.6%	3.0%	3.7%	2.7%	3.3%	3.3%	6.1%	7.8%	7.7%	12.1%	12.3%	10.7%	11.3%	9.8%	11.3%	10.3%	9.9%	9.8%	8.0%	7.6%	8.3%	6.2%	5.2%	7.4%
2020	4.3%	4.9%	2.4%	2.6%	1.9%	3.1%	3.7%	4.3%	7.3%	7.7%	7.6%	9.1%	9.9%	12.0%	9.3%	12.1%	10.2%	9.3%	10.1%	9.1%	8.6%	7.8%	4.4%	4.7%	6.9%
2021	4.6%	4.4%	3.2%	3.7%	4.1%	3.0%	4.3%	7.1%	6.8%	7.2%	10.7%	12.9%	14.7%	13.3%	12.3%	8.9%	10.1%	10.3%	10.8%	9.6%	7.8%	7.7%	6.4%	4.1%	7.8%
17'-21'	4.9%	4.3%	3.0%	3.1%	3.0%	3.3%	4.0%	6.3%	7.4%	9.0%	12.1%	11.5%	11.4%	12.1%	10.7%	11.5%	10.3%	10.3%	10.6%	9.1%	8.0%	8.4%	6.1%	5.1%	7.7%

Engine 152

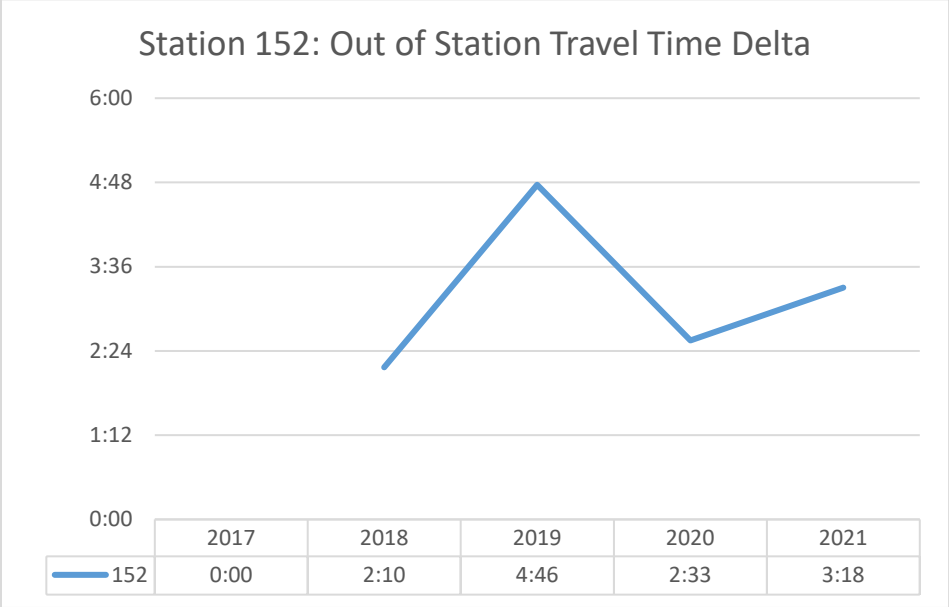
Engine 152 had an average reliability of 89.0% with an average UHU of 3.3% and average peak UHU of 4.6%. Engine 152 receives primary support coming from Quint 151 when unavailable or committed. As seen in Section D: Distribution Factors, Station 152 had about 2.5% of its calls occurring simultaneously. When Engine 152 is not the first apparatus to arrive, the response time delta is about three minutes (3:11) as seen in Reliability Factors Table 6.0.

Reliability Factor Table 5.0

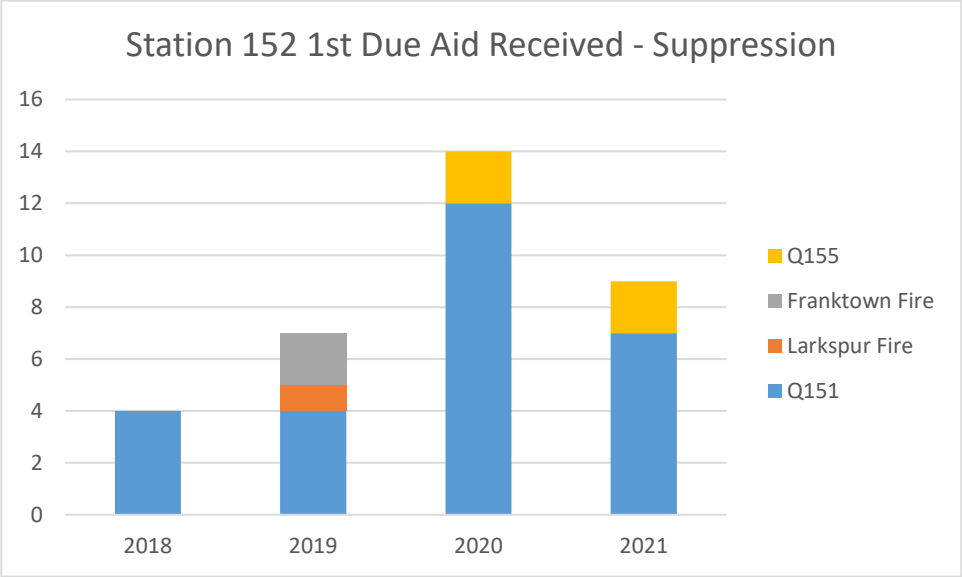
	2017	2018	2018	2020	2021	2017 - 2021
E152	N/A	87.7%	91.9%	98.4%	86.8%	89.0%

Reliability Factor Table 6.0: Travel Time Delta

	2017	2018	2018	2020	2021	2017 - 2021
152	N/A	2:10	4:46	2:33	3:15	3:11



Reliability Factor Table 7.0



Reliability Factor Table 8.0

E152	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Overall
2018	0.6%	0.8%	0.4%	0.1%	0.0%	0.9%	1.1%	1.1%	2.8%	1.8%	2.2%	3.0%	2.2%	2.6%	2.7%	3.2%	2.9%	2.4%	1.3%	2.4%	1.1%	1.4%	0.4%	1.2%	1.6%
2019	1.0%	2.1%	1.2%	0.6%	0.5%	2.1%	2.8%	2.5%	3.8%	4.3%	7.3%	4.0%	3.9%	5.2%	3.9%	4.1%	5.5%	4.3%	6.5%	4.1%	2.5%	2.5%	3.8%	1.6%	3.3%
2020	1.4%	1.5%	1.0%	1.3%	1.1%	1.3%	2.1%	1.5%	2.9%	3.0%	3.5%	4.3%	4.6%	4.0%	3.1%	5.6%	4.3%	2.6%	3.6%	2.8%	2.8%	3.5%	1.8%	1.9%	2.8%
2021	1.6%	1.1%	1.1%	0.9%	1.2%	1.1%	1.9%	2.2%	3.7%	6.2%	6.3%	7.4%	8.6%	5.9%	5.2%	5.0%	5.3%	3.7%	4.1%	3.8%	4.0%	3.7%	2.9%	2.1%	3.7%
17'-21'	1.3%	1.5%	1.1%	0.9%	1.0%	1.5%	2.3%	2.0%	3.4%	4.5%	5.7%	5.4%	5.7%	5.1%	4.0%	4.9%	5.0%	3.5%	4.7%	3.6%	3.1%	3.2%	2.8%	1.9%	3.3%

Engine 153

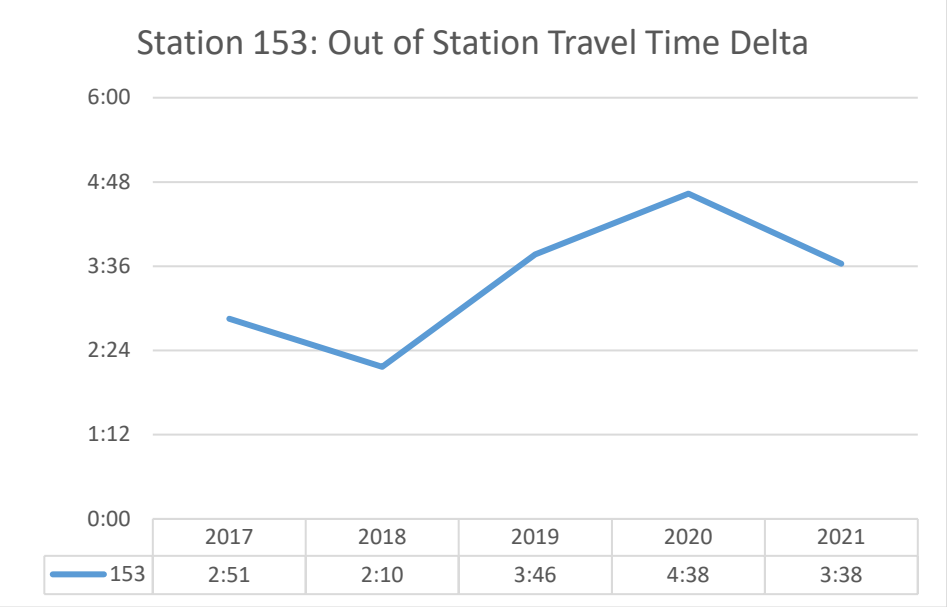
Engine 153 had an average reliability of 79.5% with an average UHU of 3.4% and average peak UHU of 4.5%. Engine 153's UHU has been fluctuating since 2017, as low as 2.9% in 2020 and as high as 4.1% in 2017, as seen in Reliability Factors Table 12.0. Engine 153 receives primary support coming from Quint 151 when unavailable or committed. As seen in Section D: Distribution Factors, Station 153 had about 4.8% of its call occurring simultaneously. When Engine 153 is not the first apparatus to arrive, the response time delta is just over three minutes (3:24) as seen in Reliability Factors Table 10.0.

Reliability Factor Table 9.0

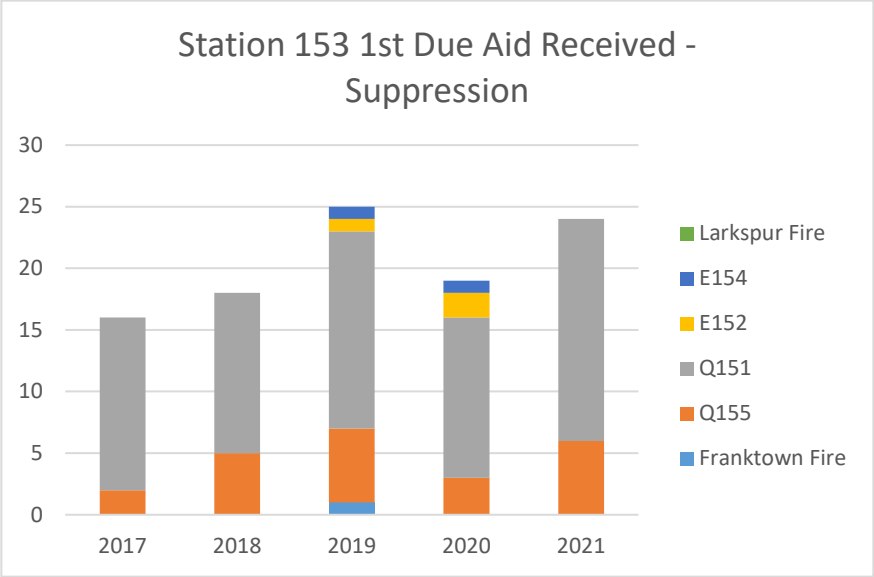
	2017	2018	2018	2020	2021	2017 - 2021
E153	84.4%	85.8%	76.4%	70.6%	80.5%	79.5%

Reliability Factor Table 10.0: Travel Time Delta

	2017	2018	2018	2020	2021	2017 - 2021
153	2:51	2:10	3:46	4:38	3:38	3:24



Reliability Factor Table 11.0



Reliability Factor Table 12.0

E153	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Overall
2017	2.4%	1.4%	2.5%	0.6%	0.9%	1.6%	1.9%	1.5%	4.7%	5.4%	3.4%	4.7%	7.1%	4.3%	4.3%	4.0%	4.6%	4.2%	4.1%	4.0%	3.7%	4.1%	3.5%	1.2%	3.3%
2018	2.5%	0.9%	1.4%	1.4%	1.1%	1.5%	0.7%	3.5%	7.9%	5.3%	13.5%	4.3%	4.4%	4.3%	6.5%	4.4%	5.3%	4.7%	4.7%	5.0%	3.3%	4.2%	3.2%	2.8%	4.1%
2019	1.2%	2.0%	1.7%	1.9%	1.1%	2.1%	2.4%	2.8%	3.3%	3.8%	4.5%	4.6%	2.8%	3.8%	5.8%	3.8%	5.4%	3.8%	5.9%	3.9%	3.9%	3.7%	2.2%	2.0%	3.3%
2020	1.8%	1.8%	2.2%	1.7%	1.2%	0.9%	1.6%	2.1%	3.1%	3.2%	3.2%	4.4%	3.4%	5.6%	3.3%	5.8%	3.9%	3.2%	4.8%	3.3%	2.5%	3.5%	1.8%	1.7%	2.9%
2021	1.6%	1.2%	1.5%	0.9%	1.3%	0.9%	1.8%	2.7%	4.1%	3.0%	4.9%	7.3%	4.3%	5.6%	5.1%	4.6%	3.3%	4.7%	4.0%	4.0%	1.9%	3.7%	2.1%	2.4%	3.2%
17'-21'	1.9%	1.5%	1.8%	1.3%	1.1%	1.4%	1.7%	2.5%	4.6%	4.1%	5.9%	5.3%	4.4%	4.7%	5.0%	4.5%	4.5%	4.1%	4.7%	4.0%	3.0%	3.8%	2.6%	2.0%	3.4%

Engine 154

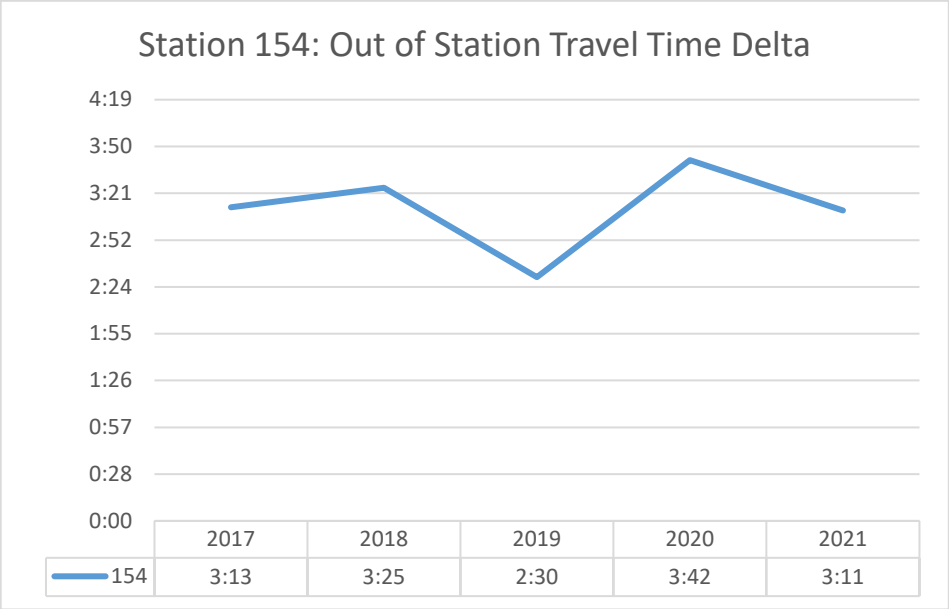
Engine 154 had an average reliability of 86.7% with an average UHU of 7.8% and average peak UHU of 10.7%. Engine 154 receives primary support coming from Quints 151 and 155 when unavailable or committed. As seen in Section D: Distribution Factors, Station 154 had 10.0% of its calls occurring simultaneously. When Engine 154 is not the first apparatus to arrive, the response time delta is just over three minutes (3:12) as seen in Reliability Factors Table 14.0.

Reliability Factor Table 13.0: E154 Reliability

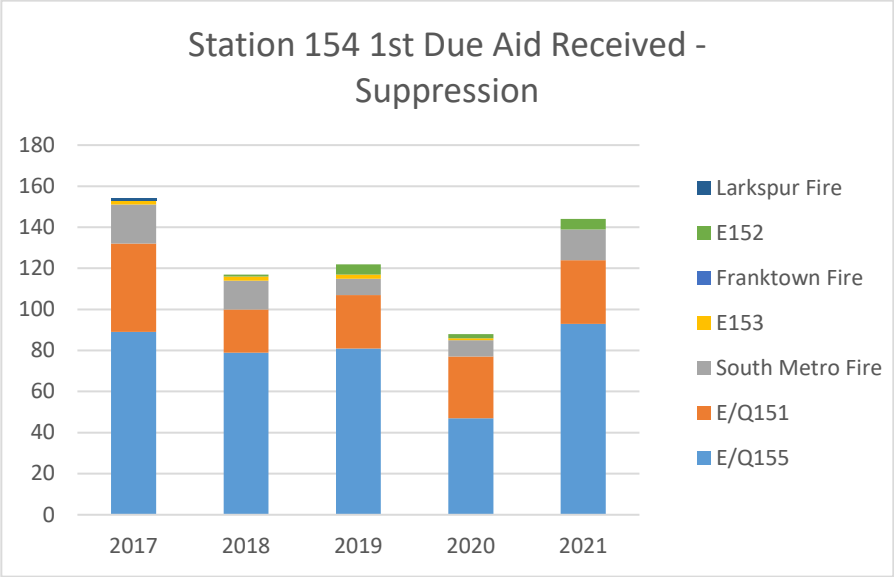
	2017	2018	2018	2020	2021	2017 - 2021
E154	85.6%	86.2%%	85.1%	87.9%	86.8%	86.3%

Reliability Factor Table 14.0 E154 Travel Time Delta

	2017	2018	2018	2020	2021	2017 - 2021
154	3:13	3:25	2:30	3:42	3:11	3:12



Reliability Factor Table 15.0: E154 Aid



Reliability Factor Table 16.0: E154 UHU

E154	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Overall
2017	4.5%	4.0%	3.2%	3.7%	3.9%	3.6%	5.4%	7.6%	9.2%	11.1%	11.7%	12.5%	12.6%	12.7%	14.4%	17.7%	11.9%	9.9%	13.3%	10.4%	9.0%	8.3%	7.3%	4.6%	8.9%
2018	4.5%	5.0%	2.5%	3.0%	3.3%	3.8%	4.3%	6.8%	9.5%	10.2%	17.9%	11.2%	14.2%	11.0%	11.4%	13.3%	12.6%	10.4%	10.5%	11.7%	8.9%	7.6%	5.5%	3.6%	8.4%
2019	3.3%	2.1%	3.6%	2.6%	3.7%	2.6%	3.3%	6.7%	8.6%	9.5%	9.5%	13.6%	13.8%	11.4%	12.5%	9.1%	10.1%	10.4%	10.9%	9.4%	7.5%	7.1%	4.9%	4.0%	7.5%
2020	4.1%	2.9%	3.7%	1.9%	2.6%	3.2%	4.2%	5.3%	7.1%	9.0%	6.7%	10.4%	8.4%	9.6%	10.2%	9.6%	9.3%	9.3%	8.0%	7.6%	7.0%	6.9%	6.7%	6.6%	6.7%
2021	5.1%	6.0%	3.7%	3.3%	2.8%	4.0%	3.7%	6.7%	7.9%	8.1%	11.1%	12.0%	10.8%	9.3%	10.1%	10.8%	8.7%	9.2%	9.0%	8.7%	7.7%	8.3%	7.2%	5.7%	7.5%
17'-21'	4.3%	4.0%	3.3%	2.9%	3.3%	3.4%	4.2%	6.6%	8.5%	9.6%	11.4%	11.9%	12.0%	10.9%	11.7%	12.1%	10.5%	9.8%	10.3%	9.6%	8.0%	7.8%	6.3%	4.9%	7.8%

Quint 155

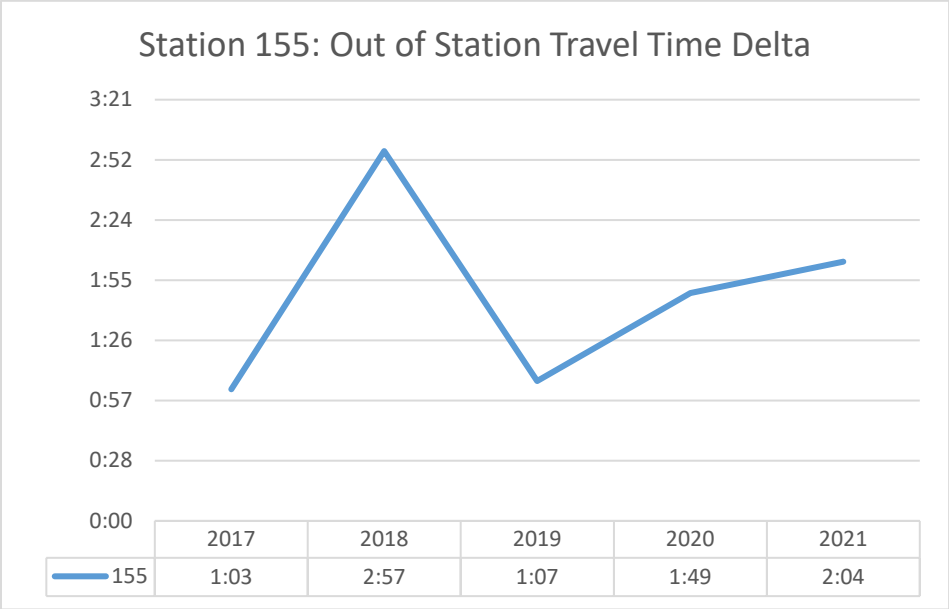
Quint 155 had an average reliability of 87.5% with an average UHU of 4.7% and average peak UHU of 6.8% as seen in Reliability Factors Table 19.0. Quint 155 receives primary support coming from Engine 154 when unavailable or committed. As seen in Section D: Distribution Factors, Station 155 had about 5.8% of its calls occurring simultaneously. When Quint 155 is not the first apparatus to arrive, the response time delta is almost 2two minutes (1:48) as seen in Reliability Factors Table 14.0.

Reliability Factor Table 17.0: Q155 Reliability

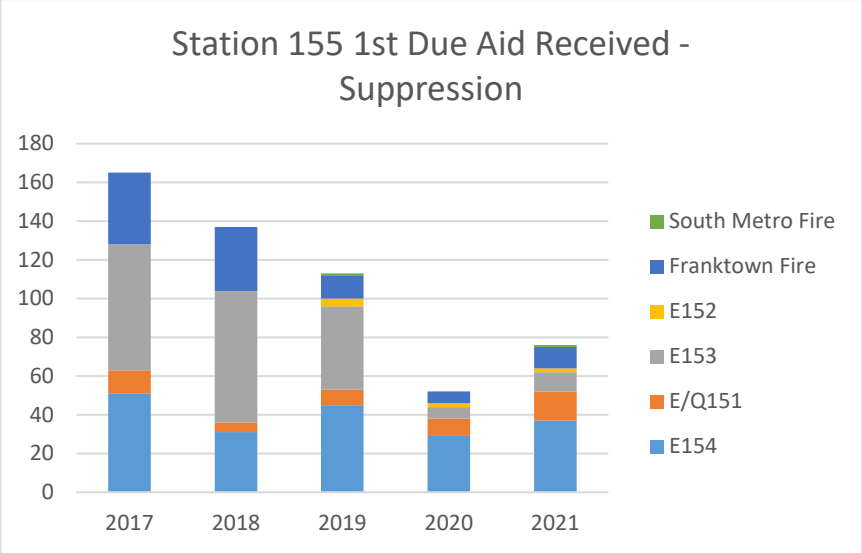
	2017	2018	2019	2020	2021	2017 - 2021
Q155	85.8%	92.0%	88.8%	87.7%	88.9%	88.6%

Reliability Factors Table 18.0: Q155 Travel Time Delta

	2017	2018	2019	2020	2021	2017 - 2021
155	1:03	2:57	1:07	1:49	2:04	1:48



Reliability Factor Table 19.0: Station 155 Aid



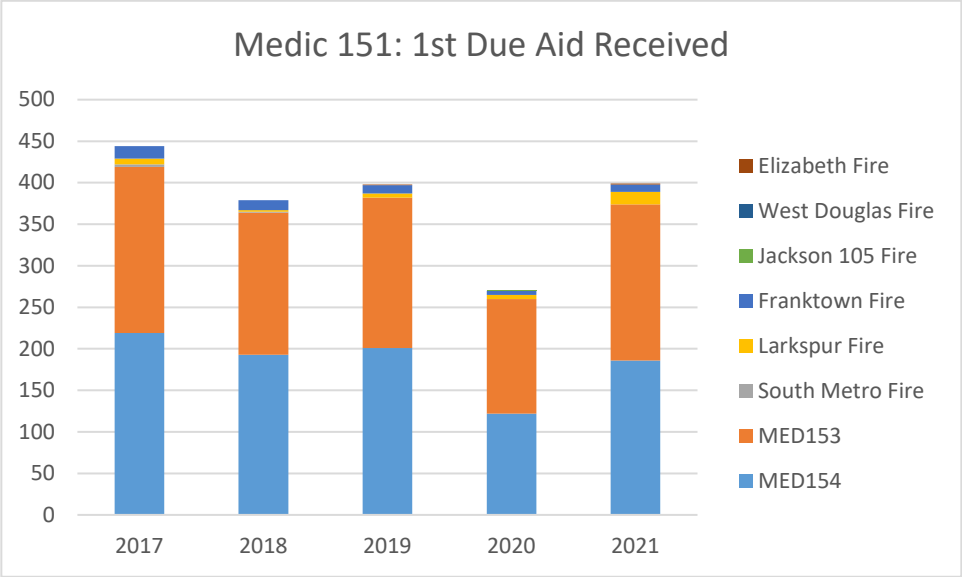
Reliability Factors Table 20.0: Q155 UHU

Q/E155	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Overall
2017	2.3%	0.9%	1.0%	0.9%	1.6%	2.0%	2.5%	2.8%	4.6%	7.5%	7.3%	6.7%	7.6%	7.1%	7.3%	7.7%	6.4%	7.4%	5.2%	6.2%	3.6%	3.9%	3.4%	3.3%	4.6%
2018	2.1%	2.4%	1.7%	1.9%	1.4%	2.0%	1.6%	4.6%	4.4%	7.9%	8.5%	8.5%	6.9%	6.7%	7.9%	5.4%	6.8%	5.7%	5.0%	5.9%	4.9%	6.1%	1.5%	2.2%	4.7%
2019	2.1%	1.6%	1.0%	1.5%	1.4%	2.3%	2.5%	3.1%	3.8%	6.8%	6.6%	6.6%	5.9%	9.0%	9.1%	7.1%	7.2%	6.7%	7.6%	6.1%	4.3%	4.2%	3.3%	2.1%	4.7%
2020	2.6%	1.3%	1.3%	1.9%	0.8%	2.0%	2.8%	3.6%	3.8%	6.2%	9.0%	8.0%	5.9%	7.8%	5.2%	5.9%	5.7%	5.7%	5.9%	5.1%	5.5%	3.5%	3.5%	3.6%	4.4%
2021	2.2%	2.1%	1.5%	2.4%	1.3%	0.9%	2.5%	4.3%	6.2%	6.0%	7.2%	9.1%	8.7%	9.3%	7.9%	6.6%	6.6%	6.8%	9.0%	5.9%	4.7%	3.2%	4.3%	2.9%	5.1%
17'-21'	2.4%	1.7%	1.3%	1.7%	1.3%	1.8%	2.4%	3.7%	4.6%	6.9%	7.7%	7.8%	7.0%	8.0%	7.5%	6.5%	6.5%	6.5%	6.5%	5.8%	4.6%	4.2%	3.2%	2.8%	4.7%

Medic 151

Medic 151 had an average UHU of 14.1% with an average peak UHU of 19.1%. Medic 151's UHU immediately dropped (as expected) with the addition of Medic 153 in mid-2013. However, after the initial drop with the addition of Medic 153, Medic 151's UHU has continued to rise from the low of 11.9% in 2014 to as high as 15.3% in 2021, the same UHU as in 2012 just before Medic 153 was placed in service. Medic 151 receives primary support coming from Medics 153 and 154 when unavailable or committed.

Reliability Factor Table 21.0 Medic 151 Aid



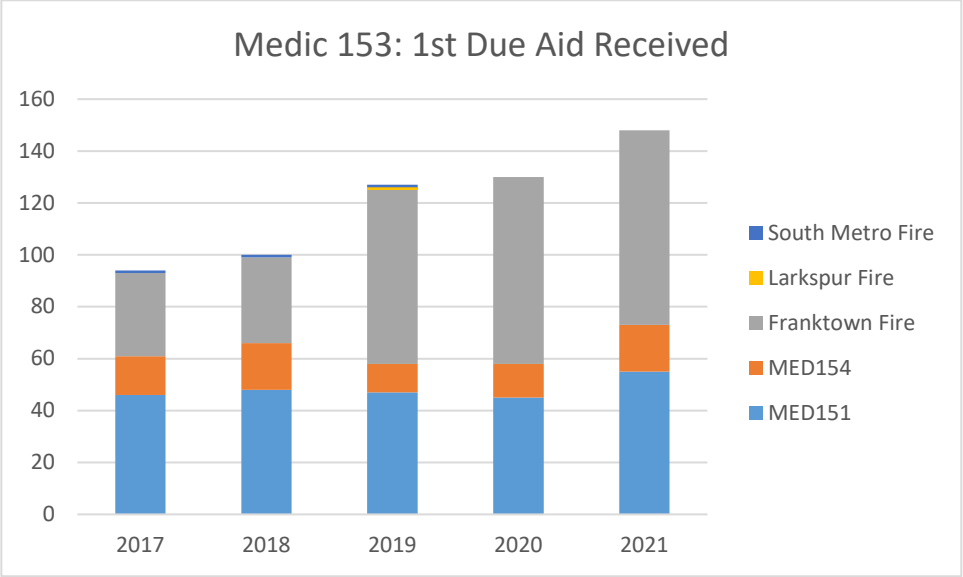
Reliability Factor Table 22.0 Medic 151 UHU

MED15	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Overall
2017	7.7%	6.7%	7.0%	4.0%	4.0%	6.0%	8.7%	11.3%	14.6%	18.8%	17.9%	24.6%	18.8%	19.7%	18.1%	23.2%	22.0%	16.6%	19.6%	19.2%	14.1%	14.3%	9.8%	8.4%	14.0%
2018	9.1%	6.9%	4.9%	5.9%	6.0%	4.7%	9.3%	11.1%	12.4%	15.7%	24.8%	18.0%	18.8%	21.5%	16.2%	16.6%	19.8%	19.4%	22.5%	17.0%	11.9%	15.0%	11.3%	9.5%	13.7%
2019	7.5%	7.6%	5.3%	5.1%	4.8%	6.7%	8.0%	12.1%	13.4%	17.9%	20.2%	22.4%	24.0%	23.2%	17.6%	16.8%	18.5%	19.3%	19.1%	16.3%	15.0%	16.2%	14.9%	9.1%	14.3%
2020	7.1%	7.7%	5.6%	5.4%	4.9%	6.3%	7.9%	8.5%	14.6%	14.8%	16.4%	15.1%	21.2%	21.1%	17.3%	17.5%	18.3%	13.7%	18.2%	16.6%	18.6%	17.0%	9.6%	9.4%	13.0%
2021	10.0%	8.4%	5.6%	6.5%	6.4%	5.2%	10.5%	13.3%	12.4%	18.5%	25.1%	19.1%	24.2%	22.1%	21.5%	19.4%	22.2%	21.8%	23.3%	17.0%	16.0%	16.5%	13.3%	8.8%	15.3%
17'-21'	8.3%	7.4%	5.7%	5.4%	5.2%	5.8%	8.9%	11.4%	13.5%	17.1%	20.9%	19.8%	21.4%	21.5%	18.1%	19.1%	20.2%	18.2%	20.6%	17.2%	15.1%	15.8%	11.8%	9.0%	14.1%

Medic 153

Medic 153 had an average UHU of 7.0%, with an average peak UHU of 9.9%. Medic 153's UHU has been fluctuating since 2016 with a low on 6.2% in 2020 and high of 8.1% in 2018, as seen in Reliability Factors Table 23.0. Medic 153 receives primary support coming from Medic 151. The majority of incidents with Medic 184 occur in FMZ 15603, where CRFD utilizes a mutual aid medic unit, due to distance from Station 153.

Reliability Factor Table 23.0 Medic 153 Aid



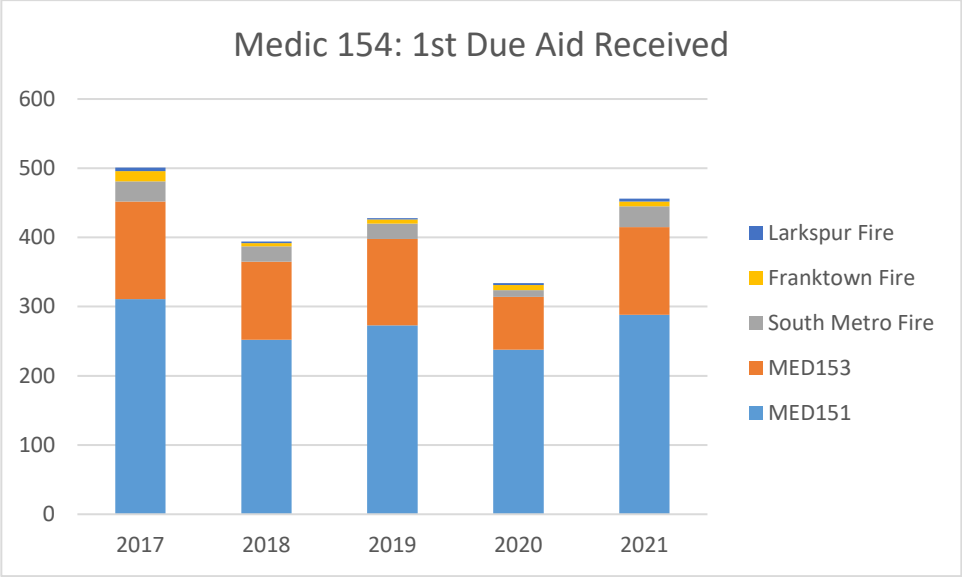
Reliability Factor Table 24.0 Medic 153 UHU

MED15	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Overall
2017	4.7%	2.7%	4.1%	2.2%	1.3%	2.6%	3.7%	4.1%	6.1%	11.0%	8.2%	10.6%	14.7%	12.4%	10.2%	6.8%	7.5%	7.4%	10.3%	9.1%	7.2%	6.4%	4.6%	3.4%	6.8%
2018	5.3%	2.1%	2.0%	3.5%	2.6%	2.3%	3.0%	6.5%	9.5%	10.7%	20.5%	12.1%	11.5%	12.0%	13.5%	13.0%	9.6%	11.1%	12.6%	7.9%	6.1%	7.3%	5.0%	4.0%	8.1%
2019	2.4%	3.2%	4.2%	2.5%	2.1%	4.5%	3.4%	5.3%	6.1%	7.2%	9.6%	12.1%	9.9%	10.7%	10.2%	10.5%	10.5%	10.6%	13.9%	8.0%	7.8%	5.9%	5.3%	4.3%	7.1%
2020	3.9%	4.0%	3.0%	3.3%	2.0%	2.2%	3.8%	3.8%	5.3%	4.3%	6.8%	12.7%	6.4%	10.4%	8.6%	10.2%	8.0%	8.1%	12.1%	7.0%	4.3%	9.4%	3.7%	3.9%	6.2%
2021	3.6%	2.8%	2.8%	2.2%	1.6%	2.5%	3.6%	6.2%	6.7%	8.2%	8.9%	10.8%	14.8%	7.3%	9.7%	12.2%	7.5%	10.7%	10.3%	7.2%	7.4%	7.7%	4.5%	5.3%	6.9%
17'-21'	4.0%	3.0%	3.2%	2.7%	1.9%	2.9%	3.5%	5.2%	6.7%	8.4%	10.8%	11.7%	11.5%	10.7%	10.4%	10.5%	8.6%	9.6%	12.1%	7.8%	6.6%	7.3%	4.7%	4.2%	7.0%

Medic 154

Medic 154 had an average UHU of 14.1%, with an average peak UHU of 19.3%. Medic 154's UHU saw a high in 2017 of 14.8%, but dropped in 2020 to 12.5% and returned to 14.5% in 2021, as seen in Reliability Factors Table 26.0. Medic 154 receives primary support coming from Medics 151 and 153 when unavailable or committed.

Reliability Factor Table 25.0 Medic 154 Aid



Reliability Factor Table 26.0 Medic 154 UHU

MED154	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	Overall
2017	7.2%	6.1%	5.1%	6.0%	5.3%	6.6%	9.7%	14.3%	16.4%	19.0%	21.1%	19.4%	20.3%	24.0%	25.9%	23.3%	18.5%	20.6%	20.6%	15.8%	15.0%	15.1%	12.0%	8.0%	14.8%
2018	7.5%	9.3%	6.7%	6.8%	4.3%	7.6%	6.5%	12.9%	14.3%	17.6%	23.3%	24.2%	20.4%	21.7%	21.5%	18.4%	17.8%	20.0%	18.6%	18.2%	16.6%	13.4%	8.8%	5.1%	14.5%
2019	6.3%	4.4%	6.6%	4.2%	5.6%	6.5%	8.6%	12.1%	15.2%	20.5%	17.3%	22.3%	20.1%	17.3%	25.0%	19.3%	16.7%	20.4%	23.7%	18.0%	13.2%	12.5%	11.1%	8.3%	14.1%
2020	7.3%	6.4%	5.1%	5.0%	5.3%	7.3%	9.0%	9.6%	10.6%	17.3%	14.2%	17.7%	18.7%	17.4%	18.5%	16.3%	15.4%	17.2%	16.5%	13.3%	15.4%	12.6%	11.0%	10.7%	12.5%
2021	9.4%	7.3%	6.7%	6.4%	6.3%	7.3%	7.3%	10.8%	13.0%	16.8%	25.4%	18.5%	24.6%	22.3%	20.6%	21.4%	18.3%	17.3%	16.8%	17.6%	15.4%	15.5%	12.3%	9.1%	14.5%
17'-21'	7.8%	6.7%	6.0%	5.7%	5.6%	7.1%	8.2%	11.3%	13.3%	18.4%	21.7%	20.5%	20.8%	20.8%	22.3%	19.3%	17.5%	19.2%	19.2%	16.6%	15.1%	13.8%	11.1%	8.2%	14.1%

F. Performance Objectives (Baselines and Benchmarks)

2021 Baseline performance statements

As defined in CPSE's Quality Improvement for the Fire and Emergency Services (2020), page 127, a baseline is "the measurement of actual performance in an organizational context; a usually initial set of critical observations or data used for comparison or a control. The activities that are currently in place to achieve the organization's goals and objectives". In short, a baseline is a statement of current performance objectives based on specific and relevant historical information or data.

The department annually reviews and updates its baselines for call processing time, turnout time, and total response times for the 1st arriving apparatus and EMS effective response force. As evident in the Concentration Factors, there are several service types that do not have sufficient call volume to provide a solid foundation for statistical analysis. For these services, Fire, HAZMAT, Wildland, and Technical Rescue, baselines are evaluated every five years and adjusted when appropriate.

Performance Baselines: Call Processing and Turnout

For 90% of all emergent incidents, Douglas County Regional Communications Center (DRCC)'s call processing time is 1:36, and Castle Rock Fire and Rescue Department's turnout time is 1:47.

Baseline	2017	2018	2019	2020	2021
Call Processing	1:38	1:31	1:27	1:40	1:36
Turnout	1:48	1:48	1:49	1:47	1:47

Performance Baselines: EMS

For 90 % of all emergency medical services (EMS) responses, the total response time for the arrival of the first-due unit, staffed with two firefighters, is 7 minutes and 50 seconds in urban areas, 9 minutes and 20 seconds in rural areas, and 11 minutes and zero seconds on interstate calls. The first due unit is capable of: assessing scene safety and establishing command; sizing-up the situation; conducting initial patient assessment; obtaining vitals and patient's medical history; initiating Advanced Life Support (ALS) care; and assisting transport personnel with packaging the patient in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

For 90 % of low risk emergency medical services (EMS) response incidents, the total response time for the arrival of the effective response force (ERF), consisting of a single medic unit staffed with two firefighters, is 7 minutes and 50 seconds in urban areas, and 8 minutes and 20 seconds in rural areas. The ERF is capable of: continued Advanced Live Support (ALS) treatment; and transport to a facility capable of providing appropriate ongoing care in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

For 90 % of moderate risk emergency medical services (EMS) response incidents, the total response time for the arrival of the effective response force (ERF), staffed with five firefighters and officers, is 9 minutes and 50 seconds in urban areas, and 11 minutes and 40 seconds in rural areas. The ERF is capable of: continued Advanced Live Support (ALS) treatment; and transport to a facility capable of providing appropriate ongoing care in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

For 90 % of high risk emergency medical services (EMS) response incidents, the total response time for the arrival of the effective response force (ERF), staffed with six firefighters and officers, is 11 minutes and 20 seconds in urban areas, 13 minutes and zero seconds in rural areas, and 13 minutes and 50 seconds on Interstate calls. The ERF is capable of continued Advanced Live Support (ALS) treatment and transport to a facility capable of providing appropriate ongoing care in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

Performance Baselines: Fire Suppression

For 90 % of all non-wildland fires, the total response time for the arrival of the first-due unit, staffed with three firefighters, is 7 minutes and 40 seconds in urban areas, 9 minutes and 50 seconds in rural areas, and 6 minutes and 50 seconds on interstate calls. The first due unit is capable of: providing 300 gallons of water and a pumping capacity of 1250 gallons per minute (gpm), initiating command; establishing the primary attack line capable of flowing a minimum of 150 gpm; and establishing an uninterrupted water source.

For 90 % of all low risk non-wildland fires, the total response time for the arrival of the effective response force (ERF), staffed with six firefighters and officers, is 12 minutes and 50 seconds in urban areas, 12 minutes and 20 seconds in rural areas, and 13 minutes and 30 seconds on Interstate calls. The ERF is capable of: establishing command, accountability and a safety officer; providing 2 in 2 out capability; investigate source; prepare for fire attack; providing an uninterrupted water supply; completing forcible entry; initiating ventilation; and providing triage, and initial treatment of victims if needed in accordance with CRFD standard operating guidelines.

For 90 % of all moderate risk non-wildland fires, the total response time for the arrival of the effective response force (ERF), staffed with 18 firefighters and officers, is a maximum of 16 minutes and 50 seconds in urban areas, and 15 minutes and 20 seconds in rural areas. The ERF is capable of: establishing command, accountability and a safety officer; providing 2 in 2 out capability; providing an uninterrupted water supply; advancing an attack line and a backup line for fire control of equal or greater size than the primary attack line; completing forcible entry; completing utility control; conducting victim search; initiating ventilation; provide a rapid intervention team (RIT); and providing triage, treatment, and transport of victims if needed in accordance with CRFD standard operating guidelines.

For 90 % of all high risk non-wildland fires, the total response time for the arrival of the effective response force (ERF), staffed with 21 firefighters and officers, is a maximum of 16 minutes and 30 seconds in urban areas, and 11 minutes and 40 seconds in rural areas. The ERF is capable of: establishing command, accountability and a safety officer; providing 2 in 2 out capability; providing an uninterrupted water supply; advancing an attack line and a backup line for fire control of equal or greater size than the primary attack line; completing forcible entry; completing utility control; conducting victim search; initiating ventilation; provide a rapid intervention team (RIT); and providing triage, treatment, and transport of victims if needed in accordance with CRFD standard operating guidelines.

Performance Baselines: HAZMAT

For 90 % of all hazardous materials response incidents, the total response time for the arrival of the first-due unit, staffed with three firefighters, is 9 minutes and 10 seconds in urban areas, 10 minutes and 50 seconds in rural areas, and 17 minutes and 20 seconds on interstate calls. The first due unit is capable of: establishing command; initial recon and atmospheric monitoring; determine the need for additional resources; begin establishing a hot, warm and cold zone; deny entry; isolate potential victims, in accordance with CRFD standard operating guidelines.

For 90 % of low risk hazardous materials response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of three firefighters, is 9 minutes and 50 seconds in urban areas, and 10 minutes and zero seconds in rural areas. No incidents were recorded on the interstate. The ERF is capable of: providing equipment, technical expertise, knowledge, skills, and abilities to mitigate or initiate mitigation of a hazardous materials incident, dependant on the complexity on the incident, in accordance with CRFD standard operating guidelines.

For 90 % of moderate risk hazardous materials response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of nine firefighters and officers, is 12 minutes 30 seconds in urban areas, and 14 minutes and 50 seconds in rural areas. No incidents were recorded on the interstate. The ERF is capable of: provide equipment, technical expertise, knowledge, skills, and abilities to mitigate or initiate mitigation of a hazardous materials incident, dependant on the complexity on the incident, in accordance with CRFD standard operating guidelines.

For 90 % of high risk hazardous materials response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of 12 firefighters and officers is a maximum of 17 minutes and 40 seconds in urban areas. No incidents were recorded in rural areas or on the interstate. The ERF is capable of: providing equipment, technical expertise, knowledge, skills, and abilities to mitigate or initiate mitigation of a hazardous materials incident, dependant on the complexity on the incident, in accordance with CRFD standard operating guidelines.

Performance Baselines: Wildland

For 90 % of all wildland fires, the total response time for the arrival of the first-due unit, staffed with three firefighters, is 8 minutes and 50 seconds in urban areas, 11 minutes and 50 seconds in rural areas, and 9 minutes and 50 seconds on interstate calls. The first due unit is capable of: providing 300 gallons of water, and a pumping capacity of 110 gallons per minute; initiating command; determine the location, size and initial attack plan; and initiating initial attack in accordance with CRFD standard operating guidelines.

For 90 % of all low risk wildland fires, the total response time for the arrival of the effective response force (ERF), staffed with three firefighters and officers, is 9 minutes and 50 seconds in urban areas, 12 minutes and 30 seconds in rural areas, and a maximum of 18 minutes and 40 seconds on interstate calls. The ERF is capable of: establishing command providing for accountability; determining the need for additionally resources; establishing a lookout; identifying safety zones and escape routes; providing an initial water supply; supporting initial fire attack operations in accordance with CRFD standard operating guidelines.

For 90 % of all moderate risk wildland fire response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of 12 firefighters and officers, is a maximum of 16 minutes and 30 seconds in urban areas, a maximum of 14 minutes and 40 seconds in rural areas, and a maximum of 9 minute and 30 seconds on the interstate. The ERF is capable of: establishing command providing for accountability; determining the need for additional resources; establishing a lookout; identifying safety zones and escape routes; providing an initial water supply; supporting initial fire attack operations in accordance with CRFD standard operating guidelines.

For 90 % of all high risk wildland fire response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of 16 firefighters and officers, is a maximum of 21 minutes and 10 seconds in urban areas and a maximum of 16 minutes and 10 seconds in rural areas. No incidents were recorded on the interstate. The ERF is capable of: establishing command; providing for accountability; determining the need for additional resources; establishing a lookout; identifying safety zones and escape routes; providing an initial water supply; supporting initial fire attack operations in accordance with CRFD standard operating guidelines.

Performance Baselines: Technical Rescue

For 90 % of all technical rescue incidents, the total response time for the arrival of the first-due unit, staffed with three firefighters, is 8 minutes and 50 seconds in urban areas, 9 minutes and 40 seconds in rural areas, and 9 minutes and 20 seconds on interstate calls. The first due unit is capable of: initiating command; determining the need for additional resources; denying entry; initial reconnaissance; atmospheric monitoring (if applicable); and providing triage and initial treatment of victims if needed without endangering response personnel in accordance with CRFD standard operating guidelines.

For 90 % of all low risk technical rescue incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of six firefighters and officers, is a maximum of 12 minutes and 10 seconds in all response areas. The ERF is capable of: establishing command providing for accountability, initiating patient contact; staging and apparatus set up; providing technical expertise, knowledge, skills and abilities during technical rescue incidents; and providing Advanced Life Support (ALS) treatment and transport in accordance with CRFD standard operating guidelines.

For 90 % of all moderate risk technical rescue HI/LO ANGLE RESCUE incident, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of nine firefighters and officers, is a maximum of 8 minutes and 50 seconds in rural areas. There were zero ERF incidents in urban or interstate areas. The ERF is capable of: establishing command providing for accountability, initiating patient contact; staging and apparatus set up; providing technical expertise, knowledge, skills and abilities during technical rescue incidents; and providing Advanced Life Support (ALS) treatment and transport in accordance with CRFD standard operating guidelines.

For 90 % of all technical rescue EXTRICATION incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of 14 firefighters and officers, is 19 minutes and 10 seconds in urban areas, 18 minutes and 20 seconds in rural areas, and 25 minutes and 40 seconds on the interstate. The ERF is capable of: establishing command providing for accountability; determining the need for additional resources; establish a safe area of operations; establish a rescue group and conduct stabilization/extrication operations; and provide Advanced Life Support (ALS) treatment and transport in accordance with CRFD standard operating guidelines.

There were no technical rescue TRENCH COLLAPSE incidents, between 2017 – 2021 that received an effective response force (ERF), staffed with a minimum of 19 firefighters and officers. The ERF is capable of: establishing command providing for accountability; determining the need for additional or specialized resources; providing technical expertise, knowledge, skills and abilities during technical rescue incidents; staging and apparatus set up; hazardous materials identification/mitigation (as needed) and air monitoring; establishment of a rescue group; and providing Advanced Life Support (ALS) treatment and transport in accordance with CRFD standard operating guidelines. There were no ERF trench collapse incidents during the evaluation period.

There were no technical rescue CONFINED SPACE incidents, between 2017 – 2021 that received an effective response force (ERF), staffed with a minimum of 19 firefighters and officers. The ERF is capable of: establishing command providing for accountability; determining the need for additional or specialized resources; providing technical expertise, knowledge, skills and abilities during technical rescue incidents; staging and apparatus set up; hazardous materials identification mitigation (as needed) and air monitoring; establishment of a rescue group; and providing Advanced Life Support (ALS) treatment and transport in accordance with CRFD standard operating guidelines. There were no ERF confined space incidents during the evaluation period.

There were no technical rescue BUILDING COLLAPSE incidents, between 2017 – 2021 that received an effective response force (ERF), staffed with a minimum of 22 firefighters and officers. The ERF is capable of: establishing command providing for accountability; determining the need for additional or specialized resources; providing technical expertise, knowledge, skills and abilities during technical rescue incidents; staging and apparatus set up; hazardous materials identification mitigation (as needed) and air monitoring; establishment of a rescue group; and providing Advanced Life Support (ALS) treatment and transport in accordance with CRFD standard operating guidelines. There were no ERF building collapse incidents during the evaluation period.

2017 – 2021 Benchmark Performance Statements

The following benchmarks are for the evaluation period on 2017 – 2021. As part of the 2021 update to the CRFD Standards of Cover and consistent with the Town of Castle Rock Town Council's direction to establish five-year benchmarks, Appendix C of this document establishes proposed benchmarks for the 2022 – 2026 evaluation cycle that shall take effect upon the adoption of this document.

As defined in CPSE's Quality Improvement for Fire and Emergency Services (2020), p. 127, a benchmark is "…defined as a standard from which something can be judged. Searching for the benchmark, or best practice, will help define superior performance of a product, service or process". In short, a benchmark is a statement of ideal performance, or a goal the department is striving to achieve.

The department annually reviews its benchmarks for call processing time, turnout time, and total response times for the 1st arriving apparatus and EMS effective response force, and updates them as needed. As evident in the Concentration Factors, there are several service types that do not have sufficient call volume to provide a solid foundation for statistical analysis. For these services, Fire, HAZMAT, Wildland, and Technical Rescue, benchmarks are evaluated every five years and adjusted when appropriate. While the baselines are based on the previous period's 90th percentile, the adopted benchmarks are based on 2013 – 2017 data and 80th percentile. There are two exceptions to this methodology; call processing time and turnout time. The call processing benchmark was established based on the Commission on Accreditation for Law Enforcement Agencies (CALEA) performance guidelines and in cooperation with the Douglas Regional Communication Center (DRCC). The benchmark for turnout time is based on the 80th percentile of all calls from November 1st, 2015 through December 31st, 2017. In November 2015, the department began using mobile data computers (MDC) in all primary apparatus. The MDCs are used for direct communications with DRCC and are linked to the computer automated dispatch (CAD) system. This would represent a relative 10% increase in performance. In the absence of a physical change to its operations or deployment (additional resources, stations, companies, or new technology), CRFD believes that this measured approach keeps the benchmarks realistic and achievable through changes in behavior and attitude.

Performance Benchmark: Call Processing and Turnout

For 90% of all emergent incidents, DRCC's call processing time shall be 1:00, and Castle Rock Fire and Rescue Department's turnout time shall be 1:38.

	Benchmark
Call Processing	1:00
Turnout	1:38

Performance Benchmarks: EMS

For 90% of all moderate and high risk Emergency Medical Services (EMS) responses, the total response time for the arrival of the first-due unit, staffed with two firefighters, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 10 seconds in rural areas, and 10 minutes and 10 seconds on interstate calls. The first due unit shall be capable of: assessing scene safety and establishing command; sizing-up the situation; conducting initial patient assessment; obtaining vitals and patient's medical history; initiating Advanced Life Support (ALS) care; and assisting transport personnel with packaging the patient in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

For 90% of low risk Emergency Medical Services (EMS) response incidents, the total response time for the arrival of the effective response force (ERF) of a single medic unit, staffed with two firefighters, shall be 7 minutes in all population densities. The ERF shall be capable of: continued Advanced Life Support (ALS) treatment; and transport to a facility capable of providing appropriate ongoing care in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

For 90% of moderate risk Emergency Medical Services (EMS) response incidents, the total response time for the arrival of the effective response force (ERF), staffed with five firefighters and officers, shall be 8 minutes and 40 seconds in urban areas, 10 minutes and 10 seconds in rural areas. The ERF shall be capable of: continued Advanced Life Support (ALS) treatment; and transport to a facility capable of providing appropriate ongoing care in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

For 90% of high risk Emergency Medical Services (EMS) response incidents, the total response time for the arrival of the effective response force (ERF), staffed with six firefighters and officers, shall be 12 minutes and 20 seconds in urban areas, 12 minutes and 40 seconds in rural areas, and 13 minutes and 30 seconds on interstate calls. The ERF shall be capable of: continued Advanced Life Support (ALS) treatment; and transport to a facility capable of providing appropriate ongoing care in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

Performance Benchmarks: Fire Suppression

For 90% of all non-wildland fires, the total response time for the arrival of the first-due unit, staffed with three firefighters, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 10 seconds in rural areas, and 10 minutes and 10 seconds on interstate calls. The first due unit shall be capable of: providing 300 gallons of water and a pumping capacity of 1250 gallons per minute (gpm), initiating command; establishing the primary attack line capable of flowing a minimum of 150 gpm; and establishing an uninterrupted water source.

For 90% of all low risk non-wildland fires, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of six firefighters and officers, shall be 6 minutes and 20 seconds in urban areas, 11 minutes and 20 seconds in rural areas, and 12 minutes on interstate calls. The ERF shall be capable of: establishing command, accountability and a safety officer; providing 2 in 2 out capability; investigating the source; preparing for fire attack; providing an uninterrupted water supply; maintaining a fire flow of 1500 gpm; completing forcible entry; initiating ventilation; and providing triage, and initial treatment of victims if needed in accordance with CRFD standard operating guidelines.

For 90% of all moderate risk non-wildland fires, the total response time for the arrival of the effective response force (ERF), staffed with 18 firefighters and officers, shall be 12 minutes in urban areas, and 14 minutes in rural areas. The ERF shall be capable of: establishing command, accountability and a safety officer; providing 2 in 2 out capability; investigating the source; providing an uninterrupted water supply; maintaining a fire flow of 1500 gpm; advancing an attack line and a backup line for fire control of equal or greater size than the primary attack line; completing forcible entry; completing utility control; conducting victim search; initiating ventilation; providing an rapid intervention team (RIT); and providing triage, treatment, and transport of victims if needed in accordance with CRFD standard operating guidelines.

For 90 % of all high risk non-wildland fires, the total response time for the arrival of the effective response force (ERF), staffed with 21 firefighters and officers, shall be 16 minutes and 20 seconds in urban areas, and 14 minutes in rural areas. The ERF shall be capable of: establishing command, accountability and a safety officer; providing 2 in 2 out capability; investigating the source; providing an uninterrupted water supply; maintaining a fire flow of 1500 gpm; advancing an attack line and a backup line for fire control of equal or greater size than the primary attack line; completing forcible entry; completing utility control; conducting victim search; initiating ventilation; providing an rapid intervention team (RIT); and providing triage, treatment, and transport of victims if needed in accordance with CRFD standard operating guidelines.

Performance Benchmarks: HAZMAT

For 90% of all hazardous materials response incidents, the total response time for the arrival of the first-due unit, staffed with three firefighters, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 10 seconds in rural areas, and 10 minutes and 10 seconds on interstate calls. The first due unit shall be capable of: establishing command; initial recon and atmospheric monitoring; determining the need for additional resources; begin establishing a hot, warm and cold zone; denying entry; isolating potential victims, in accordance with CRFD standard operating guidelines.

For 90% of low risk hazardous materials response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of six firefighters and officers, shall be 10 minutes and 40 seconds in urban areas, 11 minutes and 20 seconds in rural areas and 12 minutes on interstate calls. The ERF shall be capable of: providing the equipment, technical expertise, knowledge, skills, and abilities to initiate mitigation of a hazardous materials incident, dependant on the complexity of the incident; in accordance with CRFD standard operating guidelines.

For 90% of moderate risk hazardous materials response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of nine firefighters and officers, shall be 12 minutes and 20 seconds in urban areas, 13 minutes and 30 seconds in rural areas, and 12 minutes and 30 seconds on interstate calls. The ERF shall be capable of: providing the equipment, technical expertise, knowledge, skills, and abilities to initiate mitigation of a hazardous materials incident, dependant on the complexity of the incident, in accordance with CRFD standard operating guidelines.

For 90% of high risk hazardous materials response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of 12 firefighters and officers, shall be 13 minutes and 30 seconds in all population densities. The ERF shall be capable of: providing the equipment, technical expertise, knowledge, skills, and abilities to mitigate or initiate mitigation of a hazardous materials incident, dependant on the complexity of the incident, in accordance with CRFD standard operating guidelines.

Performance Benchmarks: Wildland

For 90 % of all wildland fire response incidents, the total response time for the arrival of the first-due unit, staffed with three firefighters, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 10 seconds in rural areas, and 10 minutes and 10 seconds on interstate calls. The first due unit shall be capable of: providing 300 gallons of water and a pumping capacity of 100 gallons per minute (GPM); initiating command; providing size-up; identify life safety concerns, developing an incident action plan (IAP); determining resource needs; establish lookouts, communications, escape routes and safety zones (LCES); and implement the IAP in accordance with CRFD standard operating guidelines.

For 90 % of all low risk wildland fire response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of three firefighters and officers, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 10 seconds in rural areas, and 10 minutes and 10 seconds on interstate calls. The ERF shall be capable of: establishing command; providing for accountability; determining the need for additional resources; establish lookouts, communications plan, escape routes, and safety zones (LCES); providing a water supply; support the IAP in accordance with CRFD standard operating guidelines.

For 90 % of all moderate risk wildland fire response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of 12 firefighters and officers, shall be 10 minutes and 30 seconds in urban areas and 11 minutes and 30 seconds in rural areas and 16 minutes on interstate calls. The ERF shall be capable of: establishing command; providing for accountability; determining the need for additional resources; establish lookouts, communications plan, escape routes, and safety zones (LCES); providing a water supply; support the IAP in accordance with CRFD standard operating guidelines.

For 90 % of all high risk wildland fire response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of 16 firefighters and officers, shall be 13 minutes and 30 seconds in urban areas and 16 minutes and 40 seconds in rural. The ERF shall be capable of: establishing command; providing for accountability; determining the need for additional resources; establish lookouts, communications plan, escape routes, and safety zones (LCES); providing a water supply; support the IAP in accordance with CRFD standard operating guidelines.

Performance Benchmarks: Technical Rescue

For 90 % of all technical rescue incidents, the total response time for the arrival of the first-due unit, staffed with three firefighters, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 10 seconds in rural areas, and 10 minutes and 10 seconds on interstate calls. The first due unit shall be capable of: initiating command; determining the need for additional resources; denying entry; initial reconnaissance; atmospheric monitoring (if applicable) and provide triage, initial treatment of victims (if needed) without endangering response personnel in accordance with CRFD standard operating guidelines.

For 90 % of all low risk technical rescue incidents, the total response time for the arrival of the effective response force (ERF), staffed with minimum of three firefighters and officers, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 10 seconds in rural areas. The ERF shall be capable of: establishing patient contact; staging and apparatus set up; providing technical expertise, knowledge, skills and abilities during technical rescue incidents; and providing Advanced Life Support (ALS) treatment and transport medical care in accordance with CRFD standard operating guidelines.

For 90 % of all moderate and high risk technical rescue incidents, the total response time for the arrival of the effective response force (ERF), staffed with minimum of 9 firefighters and officers, shall be 13 minutes and 30 seconds in urban areas, rural, and on interstate calls. The ERF shall be capable of: establishing patient contact; staging and apparatus set up; providing technical expertise, knowledge, skills and abilities during technical rescue incidents; and providing Advanced Life Support (ALS) treatment and transport medical care in accordance with CRFD standard operating guidelines.

G. Evaluation and Compliance Methodology

Evaluation Methodology

The department will monitor its performance and compliance monthly and annually in accordance with Administrative Directive 2011-05 Department Goals and Objectives Review. Monthly, the department will review and report, at a minimum, the following performance factors;

- Call processing time (by service type)
- Turnout time (station/company)
- 1st due total response time by population
- Moderate Risk EMS ERF total response time by population

Upon adoption of this document (2021 Standards of Cover), monthly reports shall include the number of incidents, the 90th percentile and percent compliance to adopted benchmarks (performance goals). As previously stated, Section F: Performance Objectives, the benchmarks are established at the 80th percentile from 2017- 2021. Monthly performance reports are distributed internally for all members to review and are made available to the Public Safety Commission, Town Manager and Town Council for review and comment.

Annually, the department completes a comprehensive review, evaluating all service types, risk levels and planning zones. This review will be conducted and presented as part of the department's Annual Retreat and support the Annual Compliance Report (ACR) submitted to the Commission on Fire Accreditation International (CFAI). Annually, the department reviews its performance, updates its baselines and reports on compliance to adopted benchmark statements based on the following criteria:

- Baselines based on the most current year's response data:
  - Call processing time
  - Turnout time
  - Performance thresholds: *as identified in the proposed 2021 Fire Master Plan*
  - Turnout time
  - EMS ERF (moderate risk)
- Performance compared to adopted benchmarks based on the 80th percentile from 2017 – 2021 response data:
  - Turnout time
  - 1st due total response time
  - EMS ERF (all risk)
  - Fire ERF (low & moderate risk)
  - HAZMAT ERF (low and moderate risk)
  - Wildland Fire (low risk)
  - Technical Rescue (low risk)
- The benchmark for call processing has been established in cooperation with Douglas Regional Communication Center (DRCC) and is based on the the CALEA standard of 60 seconds.
- The following incident types and risk levels, due to insufficient data to establish data-driven benchmarks, will be measured against a 16:00 benchmark.
  - Fire ERF (high risk)
  - Tech Rescue (moderate and high risk)

- HAZMAT ERF (high risk)
- Wildland (moderate and high risk

The annual performance and compliance reports are distributed to all members for review, presented to the department's executive staff and/or strategic planning team, Public Safety Commission, Town Manager, and Town Council. The Standards of Cover will be amended annually to include the most recent year's performance and progress on any recommendations contained within this Standards of Cover document. The amended Standards of Cover document will be presented to Town Council for review and adoption. This presentation shall include;

- Call volumes and trends
  - Jurisdiction
  - Stations
  - Planning zones
- Updated baselines and benchmarks
  - Cause of any significant changes (greater than 10% change)
- Identified service gaps
  - Recommended action (if any)

If at any time the Accreditation Manager determines the need, based on trends or a single event, to perform a detailed or root cause analysis, the results of that analysis will be presented to the Deputy Chief and Fire Chief as necessary.

Compliance Team / Responsibility

The department's compliance team will consist of a team leader, and at least three line members. Ideally, the line members would represent each shift and rank, but this is not mandatory.

The compliance team will convene at least annually to review selected low frequency / high risk incident types to determine:

- Compliance to performance standards
- Adherence to SOGs
- Effectiveness of critical task analysis (CTA)
- ERF assignments and utilization
- Data trends: identify areas of concern or needing further investigation

Based on the review process and result, the compliance team should make data-driven recommendations for improvement to the department's executive staff as appropriate.

Continuous Improvement Strategy

The continuous improvement strategy will be accomplished through the review of the data as provided by the compliance team to the command staff, and executive staff. These teams will recommend options or appropriate actions to be taken to address any deficiencies or forecasted change, growth or other identified external factors. These recommendations will

be made to the Fire Chief for consideration and implementation based on the Standards of Cover, Community Risk Assessment, Strategic Plan, and Self-Assessment Manual.

Subsequently, the Fire Chief will determine the most appropriate actions to be implemented based upon these documents, the Vision, Mission, and Values of the department and Town of Castle Rock. It is the expectation that these actions will result in improvements in the needed areas. When significant changes or actions are needed that may drastically change the level of service, the Fire Chief will provide this information to the Town Manager and, as necessary, Town Council, for review, consideration, and approval. The end result is that the department's overall ability to provide service to the community and customers should improve.

H. Conclusion and Recommendations

Conclusions

For the evaluation period (2017 – 2021), Castle Rock Fire and Rescue Department (CRFD) has sufficient call volume to adequately evaluate the 1st arriving apparatus in most planning zones. The notable exception is Planning Zone 8 (PZ8), with a maximum annual call volume of 12 calls per year and a total call volume of 49 calls for service since 2017. In recent years, the general trend for the annual calls for service has been increasing. However, the department experienced a decrease of roughly 8% in 2020 due to the COVID-19 pandemic. In addition to monitoring the total number of calls for service, CRFD monitors simultaneous incidents (an incident that occurs at the same time as another incident within the same station area or planning zone). When simultaneous incidents occur, they require resources to respond from further away resulting in longer response times.

CRFD's compliance with adopted first due arrival benchmarks fluctuates, primarily based on incident location and proximity of the primary apparatus. There are known service gaps within the jurisdiction, specifically portions of planning zone 6 (PZ6), portions of planning zone 7 (PZ7), and planning zone 8 (PZ8).

The area of concern in PZ6 is that it is a considerable distance from Stations 153 and 155, and the primary route for Station 155 includes a long hill and winding neighborhood streets. The primary route for Station 153 includes a soft surface (gravel) road that further slows apparatus responses. In 2019, due to road and bridge improvements, response plans were updated to have Station 155 respond to FMZs 15603 and 15617 in place of Station 153. Additionally, to help ensure the quickest response possible, CRFD maintains an automatic aid agreement with Franktown Fire Protection District who co-responds on any call for service in fire management zone (FMZ) 15603. In 2020, the whole of PZ6 generated 176 calls for service, 70 of which were in FMZ 15603. The department has secured property for a future fire station, Station 156, and is anticipated for completion between 2025 and 2026.

Within PZ7, CRFD opened a new fire station (Station 152), which improved 1st due responses throughout the majority of that planning zone. However, the far southern and eastern portions will still have an extended response time. These areas are primarily pasture lands with a small residential population and generates an average of 10 calls per year.

Historically, PZ8 has generated a maximum of 12 calls and is sparsely populated (total population 353) with large tracts of open land used for livestock.

Another planning zone that requires discussion is Planning Zone 9 (PZ9). Annually, PZ9 generates 403 calls for service (average), which exceeds the 2021 Master Plan's call volume threshold for consideration of a new fire station. However, the response performance within PZ9 is consistent with that throughout the rest of the jurisdiction, which in 2021, the urban total response time in PZ9 was 8:10 compared to 8:10 for the jurisdiction. There were too few calls in the rural population areas (24 calls in five years) to draw a conclusive comparison to the rest on the jurisdiction.

The Town of Castle Rock has experienced considerable growth over the last several years in both the commercial and residential sectors. That growth has translated into an increasing call volume in all service categories. Historically, apparatus unit hour utilization (UHU) increases with call volume. However, there are a couple factors that have affected the UHU trend. In 2018, the department opened Station 152 allowing the department to balance workloads for Stations 151, 153, and 154. Secondly, the overall decrease in calls for service in 2020 had a noticeable effect in unit hour utilization across the board with only Engine 153 and Quint 155 showing an increase of less than 1%.

Apparatus	Performance Threshold	2017 UHU	2021 UHU	Change (17' - 21')
Quint 151	29%	8.3%	7.8%	-0.5%
Engine 152		N/A	3.7%	N/A
Engine 153		3.3%	3.2%	-0.1%
Engine 154		8.9%	7.5%	-1.4%
Quint 155		4.6%	5.1%	+0.5%
Medic 151		14.0%	15.3%	+1.3%
Medic 153		6.8%	6.9%	+0.1%
Medic 154		14.8%	14.5%	-0.3%

When evaluating the Effective Response Force (ERF) by service type (EMS, fire, HAZMAT, wildland, technical rescue) and risk level (low, moderate, high), CRFD does not have sufficient call volume to generate a statistically valid sample size for trending or forecasting analysis with the exception of EMS.

Recommendations

The department's vision is "To be the best at providing emergency and prevention services". While striving "to be the best", the department must make changes, based on sound statistical data, that would allow for an improvement in the delivery of services and increased safety to the community as well as emergency responders. Understanding the current financial and political climate as well as the costs associated with any recommendation, the department reviewed each of the following recommendations to ensure they are consistent with community expectations, within the scope and reach of the department, and achievable with existing resources or plans. Therefore, the following recommendations are made based on the results of the Standards of Cover process:

- *Review, research and attempt to determine the root cause for the increased 1st arrival response times in Planning Zone 2 (PZ2).*
    - *Accreditation Manager: Pending*
- *Closely monitor Planning Zone 6 (PZ6) for growth, increasing calls for service and performance.*
    - *Accreditation Manager:* ***Ongoing at least annually***
- *Closely monitor Planning Zone 9 (PZ9) for growth, increasing calls for service and performance.*
    - *Accreditation Manager:* ***Ongoing at least annually***
- *Monitor the potential growth in Planning Zone 8 (PZ8) to anticipate changes that may drive the need for additional resources.*
    - *Accreditation Manager & Fire Chief:* ***Ongoing***
- *The department and governing body should adopt the proposed benchmarks for the next evaluation cycle (2022 - 2026). Proposed benchmark are detailed in Appendix C.*
    - *Fire Chief: Pending*

Finally, the department should provide an annual update to the Standards of Cover to the Public Safety Commission, Town Manager and Town Council that details call volumes and trends, updated baselines and benchmarks, and any service gaps and recommended action (if any).

Appendices, Exhibits and Attachments

Appendix A: Community Survey Definitions
Appendix B: Critical Task Analysis
Appendix C: Proposed 2022 – 2026 Benchmark Performance Statements
Appendix D: Emergency Medical Services Data Table
Appendix E: Fire Suppression Data Tables
Appendix F: Hazardous Materials Data Tables
Appendix G: Wildland Fire Suppression Data Tables
Appendix H: Technical Rescue Data Tables

Appendix A: Community Survey Definitions

Category	Description
Auto/Mutual Aid	expectations/concerns related to the use of and maintenance of automatic / mutual aid agreements
Code Enforcement / Development	expectations/concerns related to Fire and Life Safety Codes
Community involvement	visibility, public image, approachability, involvement with community events
Community Para-Medicine	expectations/concerns specific to community para-medicine
Consolidation	Fire Department merger and/or consolidation
Core service	relates to core services, fire suppression, ems, wildland, and special hazards
Cultural	ability to respond to a diverse community
Disaster preparedness	ability to respond to large scale incidents, special hazard readiness, emergency management, etc.
EMS	EMS specific concerns and expectations
Equipment/apparatus	expectations/concerns relating to equipment and apparatus
Fiscal responsibility	our ability to be fiscally responsible
Funding	expectations/concerns relating to changes in funding
Growth/development	expectations/concerns relating to growth and development
Health and Wellness	expectations/concerns relating to the health and wellness of fire department staff
None	no entry provided
Operational Security	expectations/concerns relating to scene control or operational security
Plan Development / Cohesion	expectations/concerns relating to the development and cohesion of Fire Department plans with the Town of Castle Rock
Professionalism	expectations/concerns relating to the professionalism of Department members
Public education	expectations/concerns relating to public education
Qualities	community expectations as they relate to traits and qualities that our personnel ought to possess
Resource Deployment	expectations/concerns relating to the deployment of resources throughout the jurisdiction
Resources	expectations/concerns relating to physical, financial, and personnel needs
Response time	expectations/concerns relating to timely responses to emergencies
Staffing	expectations/concerns relating to staffing
Support Services	expectations/concerns relating to operations support (logistics, EVT)
Training/education	expectations/concerns relating to training and education for our members
Wildfire	expectations/concerns relating to wildfire and potential for wildfire

Appendix B: Critical Task Analysis

This appendix details the latest review and update of CRFD's Critical Task Analysis (CTA). They are organized by service type (EMS, Fire, HAZMAT, Wildland, Technical Rescue, and Other Services) and risk level (low, moderate, and high).

Critical Task Analysis: EMS

Response Plan: Medical Assist; Clinic Response (Emergent) [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
Total # of Responding Personnel	2	Total # of Personnel Needed	2		

Response Plan: Medical Assist; Alpha (Non-Emergent) [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1	*	3
		Scene Safety	1	*	
		Documentation	1		
		Patient Assessment	1		
		Outside Scene Safety	1		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
Total # of Responding Personnel	5	Total # of Personnel Needed	5		

Response Plan: Medical Alarm (Emergent) [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Scene Safety	1		
		Patient Assessment	1		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
Total # of Responding Personnel	5	Total # of Personnel Needed	5		

Response Plan: Medical Assist; Bravo, Charlie, Delta (Emergent) [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1	*	3
		Scene Safety	1	*	
		Documentation	1		
		Patient Assessment	1		
		Outside Scene Safety	1		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
Total # of Responding Personnel	5	Total # of Personnel Needed	5		

Response Plan: Train Accident [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Scene Safety	1	*	
		Scene Triage	1	*	
		Hazards Mitigation	2		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Rail Safety	1		1
Total # of Responding Personnel	6	Total # of Personnel Needed	6		

Response Plan: MVC / Injury Crash [Moderate] - UPDATED 12/30/2021					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Scene Safety	1		
		Scene Triage	1	*	
		Initial Patient Triage	1	*	
		Hazards Mitigation	1		
2nd Due Suppression ADDED	3	Blocker	1		1
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
Total # of Responding Personnel	8	Total # of Personnel Needed	6		

Response Plan: Auto Ped or Auto Bike MVC [Moderate] - UPDATED 12/30/2021					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Scene Safety	1	*	
		Scene Triage	1	*	
		Extrication Equipment Operation	2		
		Hazards Mitigation	1	*	
2nd Due Suppression ADDED	3	Blocker	1		1
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Incident Command and Safety Officer	1		1
Total # of Responding Personnel	9	Total # of Personnel Needed	7		

Response Plan: Medical Assist; Echo [High]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initial Incident Command	1	*	3
		Scene Safety	1	*	
		Documentation	1		
		Patient Assessment	1		
		Secondary Caregiver	1		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Incident Command	1		1
		Scene Safety	1	*	
Total # of Responding Personnel	6	Total # of Personnel Needed	6		

Response Plan: MVC I25 [High] - UPDATED 12/30/2021					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Scene Safety	1		
		Scene Triage	1	*	
		Initial Patient Triage	1	*	
		Hazards Mitigation	1		
2nd Due Suppression (ADDED)	3	Blocker	1		1
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Advanced Warning	1		1
Total # of Responding Personnel	9	Total # of Personnel Needed	7		

Response Plan: MCI [High]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initial Incident Command	1		3
		Scene Triage	1	*	
		Extrication Equipment Operation	2	*	
		Hazards Mitigation	2	*	
2nd Due Suppression Apparatus	3	Extrication Group Supervisor	1		3
		Safety Line from Engine	2		
3rd Due Suppression Apparatus	3	Assist with patient care and/or extrication	3		3
1st Due Medic	2	Patient Triage	2		2
2nd Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
3rd Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
4th Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Incident Command and Safety Officer	1		1
2nd Due Chief	1	Scene Safety or Division/Group Supervisor	1		1
Total # of Responding Personnel	19	Total # of Personnel Needed	19		

Critical Task Analysis: Fire Suppression

Response Plan: Down Power Lines [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1		3
		Investigation for source	2		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Residential Fire Alarm [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Incident Command	1		3
		Safety Officer	1	*	
		Size up/determine need for additional resources	1	*	
		Investigation for Source	2		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Alarm Reset [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command Determine Additional Resources	1		3
		Scene Safety	1		
		Patient Assessment	1		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Arcing Transformer [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Investigation for source	1		
		Size up/determine need for additional resources	1		
		Accountability	1		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Commercial Fire Alarm [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Safety Officer	1	*	
		Size up/determine need for additional resources	1	*	
		Investigation for Source	2		
2nd Due Suppression Apparatus (Non-Emergent)	3	Support Investigation and Control Panel	2		3
		Secure FDC	1		
Total # of Responding Personnel	6	Total # of Personnel Needed	6		

Response Plan: Lightning Strike [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initial Size-up	1	*	3
		Investigation for damage/fire	2		
		Establishment of initial water supply (pump operator)	1		
		Prepare for Initial attack	1	*	
2nd Due Suppression Apparatus	3	Assist with Investigation for damage/fire	2		2
		Establish uninterrupted water supply	1	*	
Total # of Responding Personnel	6	Total # of Personnel Needed	5		

Response Plan: Smoke Investigation, Inside [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Safety Officer	1	*	
		Size Up/Determine need for additional resources	1	*	
		Investigation for Source	2		
		Prepare for fire attack	1	*	
2nd Due Suppression Apparatus	3	Secure Water Supply	1	*	3
		Assist with Investigation for Source	3		
Total # of Responding Personnel	6	Total # of Personnel Needed	6		

Response Plan: Passenger Car / Pick-Up Fire [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Establishment of initial water supply (pump operator)	1		
		Establishment of primary attack line	2		
		Position as attack engine	1	*	
2nd Due Suppression Apparatus	3	Assist with primary attack line	2		3
		Position as supply engine	1	*	
		Exposure protection	2	*	
Total # of Responding Personnel	6	Total # of Personnel Needed	6		

Response Plan: Unattached Outbuilding Fire, Hydranted [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Establishment of uninterrupted water supply (pump operator)	1		
		Establishment of primary attack line	2		
2nd Due Suppression Apparatus	3	Assist with primary attack line	2	*	3
		Establishment of secondary attack line	2		
		Establishment of secondary water supply (pump operator)	1	*	
		Exposure protection	2	*	
1st Due Medic Unit	2	Assist with primary attack line	2	*	2
		Search and rescue	2	*	
		Initial civilian EMS (triage, treatment, and transport)	2	*	
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	**9**	Total # of Personnel Needed	**9**		

Response Plan: Train Fire [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Establishment of initial water supply (pump operator)	1		
		Establishment of primary attack line	2		
		Position as attack engine	1	*	
1st Due Aerial	3	Assist with primary attack line	2		3
		Aerial Operations (as required)	1	*	
		Exposure protection	2	*	
1st Due Tender	1	Position for nurse operations or Tender Shuttle as required	1		1
1st Due Medic	2	Assist with primary attack line	2	*	2
		Initial civilian EMS (triage, treatment, and transport)	2	*	
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	10	Total # of Personnel Needed	10		

Response Plan: Appliance Fire [Low] - PROPOSED					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Establishment of uninterrupted water supply (pump operator)	1		
		Establishment of primary attack line	2		
1st Due Aerial Apparatus	3	Assist with primary attack line	2	*	3
		Search and rescue	2		
		Ventilation	1	*	
		Exposure protection	2	*	
1st Due Medic Unit	2	Assist with primary attack line	2	*	2
		Search and rescue	2	*	
		Initial civilian EMS (triage, treatment, and transport)	2	*	
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	9	Total # of Personnel Needed	9		

Response Plan: Commercial Carrier Fire [Moderate] - *PROPOSED*					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Establishment of initial water supply (pump operator)	1		
		Establishment of primary attack line	2		
		Position as attack engine	1	*	
2nd Due Suppression Apparatus	3	Assist with primary attack line	2		3
		Position as supply engine	1	*	
		Exposure protection	2	*	
1st Due HAZMAT (Proposed)	*3*	*Containment / Mitigation (as applicable)*	*2*		*3*
		Emergency Decon / Decon	*1*	*	
		Equipment / Supplies	*2*	*	
1st Due Medic	2	Initial civilian EMS (triage, treatment, and transport)	2	*	2
		Assist with primary attack line	2	*	
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
		Advanced Warning (as needed)	1	*	
Total # of Responding Personnel	12	Total # of Personnel Needed	12		

Response Plan: Unattached Outbuilding Fire, Unhydranted [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Establishment of uninterrupted water supply (pump operator)	1		
		Establishment of primary attack line	2		
2nd Due Suppression Apparatus	3	Assist with primary attack line	2		3
		Position as supply engine	1	*	
		Exposure protection	2	*	
		Pump operator as Water Supply Group Supervisor	1	*	
1st Due Medic Unit	2	Assist with primary attack line	2	*	2
		Search and rescue	2	*	
		Initial civilian EMS (triage, treatment, and transport)	2	*	
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
1st, 2nd, 3rd, and 4th Due Water Tenders	4	Water Supply Group Supervisor	4		4
		Uninterrupted water supply			
Total # of Responding Personnel	13	Total # of Personnel Needed	13		

Response Plan: Residential Structure Fire, Hydranted [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Engine	3	Initiate Command / Initial Size-up	1	*	3
		Establishment of initial water supply (pump operator)	1		
		Establishment of primary attack line	2		
2nd Due Engine	3	Assist with primary attack line	2	*	3
		Establishment of secondary attack line	2		
		Establishment of secondary water supply (pump operator)	1	*	
		Exposure protection	2	*	
3rd Due Engine	3	RIT/RIC	3		3
1st Due Aerial	3	Search and rescue or vertical ventilation	2	*	3
		Aerial device operator	1		
		Outside ventilation	1	*	
		Portable ground ladders	1	*	
1st Due Medic Unit	2	Assist with primary attack line	2	*	2
		Search and rescue	2	*	
		Initial civilian EMS (triage, treatment, and transport)	2	*	
2nd Due Medic Unit	2	Patient Care and Transport (as needed)	2		2
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
2nd Due Chief	1	Safety Officer or Division/Group Supervisor	1		1
Total # of Responding Personnel	18	Total # of Personnel Needed	18		

Response Plan: Residential Structure Fire, Unhydranted [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Engine	3	Initiate Command / Initial Size-up	1	*	3
		Establishment of initial water supply (pump operator)	1		
		Establishment of primary attack line	2		
		Position as attack engine	1	*	
2nd Due Engine	3	Assist with primary attack line	2		3
		Position as supply engine	1	*	
		Exposure protection	2	*	
		Pump operator as Water Supply Group Supervisor	1	*	
3rd Due Engine	3	RIT/RIC	3		3
1st Due Aerial	3	Search and rescue or vertical ventilation	2	*	3
		Aerial device operator	1		
		Outside ventilation	1	*	
		Portable ground ladders	1	*	
		Exposure protection	2	*	
1st Due Medic Unit	2	Assist with primary attack line	2	*	2
		Search and rescue	2	*	
		Initial civilian EMS (triage, treatment, and transport)	2	*	
2nd Due Medic	2	Patient Care and Transport (as needed)	2		2
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources		*	
		Accountability		*	
2nd Due Chief	1	Safety Officer or Division/Group Supervisor	1		1
3rd Due Chief	1	Water Supply Group Supervisor	1		1
1st, 2nd, 3rd, and 4th Due Water Tenders	4	Uninterrupted water supply	4		4
Total # of Responding Personnel	23	Total # of Personnel Needed	23		

Response Plan: Commercial Structure Fire, Hydranted [High]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Engine	3	Initiate Command / Initial Size-up	1	*	3
		Establishment of uninterrupted water supply (pump operator)	1		
		Establishment of primary attack line	2		
2nd Due Engine	3	Assist with primary attack line	2		3
		Establishment of secondary water supply (pump operator)	1	*	
		Supplement FDC (sprinkler/standpipe systems)	1	*	
3rd Due Engine	3	Establishment of secondary (backup) attack line	3		3
		Exposure protection	3	*	
4th Due Engine	3	RIT/RIC	3		3
1st Due Aerial	3	Search and rescue or vertical ventilation	2		3
		Aerial device operator	1		
		Outside ventilation	1	*	
		Portable ground ladders	1	*	
1st Due Medic Unit	2	Assist with primary attack line	2	*	2
		Search and rescue	2	*	
		Initial civilian EMS (triage, treatment, and transport)	2	*	
2nd Due Medic	2	Patient Care and Transport (as needed)	2		2
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
2nd Due Chief	1	Safety Officer or Division/Group Supervisor	1		1
Total # of Responding Personnel	21	Total # of Personnel Needed	21		

Response Plan: Commercial Structure Fire, HAZMAT [SPECIAL]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Engine	3	Initiate Command / Initial Size-up	1	*	3
		Establishment of uninterrupted water supply (pump operator)	1		
		Establishment of primary attack line	2		
2nd Due Engine	3	Assist with primary attack line	2		3
		Establishment of secondary water supply (pump operator)	1	*	
		Supplement FDC (sprinkler/standpipe systems)	1	*	
3rd Due Engine	3	Establishment of secondary (backup) attack line	3		3
		Exposure protection	3	*	
4th Due Engine	3	RIT/RIC	3		3
1st Due Aerial	3	Search and rescue or vertical ventilation	2		3
		Aerial device operator	1		
		Outside ventilation	1	*	
		Portable ground ladders	1	*	
1st Due HAZMAT	3	Research	1		3
		Complexity Analysis	1		
		Hazmat Group	1		
		Equipment / Supplies	1	*	
1st Due Medic Unit	2	Assist with primary attack line	2	*	2
		Search and rescue	2	*	
		Initial civilian EMS (triage, treatment, and transport)	2	*	
2nd Due Medic	2	Patient Care and Transport (as needed)	2		2
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
2nd Due Chief	1	Safety Officer or Division/Group Supervisor	1		1
Total # of Responding Personnel	24	Total # of Personnel Needed	24		

Critical Task Analysis: HAZMAT

Response Plan: LP/Gas Leak, Outside [Low]					
Unit	Crew Size	Task	Personnel needed *part time task		
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1		3
		Investigation for source	2		
		Accountability	1	*	
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Environmental Alarm [Low]					
Unit	Crew Size	Task	Personnel needed *part time task		
1st Due Suppression Apparatus	3	Incident Command	1		3
		Scene Safety	1		
		Atmospheric Monitoring	1		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: CO Alarm Asymptomatic [Low]					
Unit	Crew Size	Task	Personnel needed *part time task		
1st Due Suppression Apparatus	3	Incident Command	1		3
		Scene Safety	1		
		Atmospheric Monitoring	1		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Fuel Spill Less Than 25 Gallons [Low]					
Unit	Crew Size	Task	Personnel needed *part time task		
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Investigation for source	1		
		Mitigation	2		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: CO Alarm Symptomatic [Moderate]					
Unit	Crew Size	Task	Personnel needed *part time task		
1st Due Suppression Apparatus	3	Incident Command	1	*	3
		Scene Safety	1		
		Patient Assessment	1		
		Atmospheric Monitoring	1		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
Total # of Responding Personnel	5	Total # of Personnel Needed	5		

Response Plan: Chlorine Alarm [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1	*	3
		Scene Safety	1	*	
		Patient Assessment	1		
		Outside Scene Safety	1		
		Atmospheric Monitoring	1		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due HAZMAT	3	HAZMAT Investigation & Air Monitoring	3		3
Total # of Responding Personnel	8	Total # of Personnel Needed	8		

Response Plan: LP/Gas Leak, Inside [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Interior investigation for source	2		
		Establishment of initial water supply (pump operator)	1		
2nd Due Suppression Apparatus	3	Secure water supply	1	*	3
		Prepare for Initial attack	2		
		Assist with investigation for source	1		
1st Due Medic	2	Primary Caregiver	1		1
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Size up/determine need for additional or specialized resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	9	Total # of Personnel Needed	8		

Response Plan: Fuel Spill Greater Than 25 Gallons [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Investigation for source	1	*	
		Containment	1		
		Assess need for emergency Decon	1	*	
		Area Isolation	1	*	
1st Due HAZMAT	3	Containment / Mitigation (as applicable)	1		3
		Emergency Decon / Decon	2		
		Equipment / Supplies	1	*	
1st Due Bureau (non-emergent**)	1**	Code Enforcement	1	*	1**
		HAZMAT Billing	1	*	
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Size up/determine need for additional or specialized resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	7	Total # of Personnel Needed	7		

Response Plan: Gas Line Rupture [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Investigation for source	2		
		Establishment of initial water supply (pump operator)	1		
2nd Due Suppression Apparatus	3	Secure water supply	1	*	3
		Prepare for Initial attack	2		
		Assist with investigation for source	1		
1st Due Medic	2	Primary Caregiver	1		1
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Size up/determine need for additional or specialized resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	9	Total # of Personnel Needed	8		

Response Plan: Chemical / Biological Investigation [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Investigation for source	1		
		Containment	1		
		Assess need for emergency Decon	1	*	
		Area Isolation	1		
1st Due HAZMAT	3	Containment / Mitigation (as applicable)	1		3
		Emergency Decon / Decon	2		
		Supplies and Equipment	1	*	
1st Due Bureau (non-emergent**)	1**	Determine need for investigation	1	*	1**
		Evidence Collection	1	*	
		Law enforcement liaison	1		
Total # of Responding Personnel	6	Total # of Personnel Needed	6		

Response Plan: HAZMAT [High] - PROPOSED					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Initiate Command / Initial Size-up	1	*	3
		Product Identification	1	*	
		Recon / Atmospheric Monitoring	1		
		Victim Isolation	1		
		Area Isolation	1		
2nd Due Suppression Apparatus	3	Containment / Mitigation (as applicable)	1	*	3
		Emergency Decon / Decon	2		
		Establish Water Supply (as applicable)	1	*	
1st Due HAZMAT	3	Research	1		3
		Complexity Analysis	1		
		Hazmat Group	1		
		Equipment / Supplies	1	*	
1st Due Medic Unit	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
2nd Due Medic (PROPOSED)	2	Medical Group	1		2
		Rehab / Recovery	1		
1st Due Bureau (non-emergent**)	1**	Determine need for investigation	1	*	1**
		Evidence Collection	1	*	
		Law enforcement liaison	1		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Size up/determine need for additional or specialized resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	14	Total # of Personnel Needed	14		

Critical Task Analysis: Wildland Fire Suppression

Response Plan: Illegal/Controlled Burn [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Safety Officer	1	*	
		Size up/determine need for additional resources	1	*	
		Investigation Source and Extinguishment	2		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Smoke Investigation, Outside [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Safety Officer	1	*	
		Size up/determine need for additional resources	1	*	
		Investigation for Source	2		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Outside Fire [Low] - PROPOSED					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Safety Officer	1	*	
		Size up/determine need for additional resources	1	*	
		Investigation for Source	2		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Small Brush Fire [Moderate] - PROPOSED					
Unit	Crew Size	Task	Personnel needed *part time task		
1st Due Brush	3	Primary Investigation	1	*	3
		Determine Location, Size of Fire and Tactical Plan	1	*	
		Fire Attack	3		
1st Due Engine / Type III	3	Water Supply	1	*	3
		Fire Attack	3		
1st Due Medic	2	Initial civilian EMS (triage, treatment, and transport)	2	*	2
		Lookout (as needed)	2	*	
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
		Safety Officer - LCES	1	*	
		Obtain Spot Weather	1	*	
Total # of Responding Personnel	9	Total # of Personnel Needed	9		

Response Plan: Brush Fire, Non-Threatening (NT) [Moderate] - Archived					
Unit	Crew Size	Task	Personnel needed *part time task		
1st Due Brush	3	Primary Investigation	1	*	3
		Determine Location, Size of Fire and Tactical Plan	1	*	
		Fire Attack	3		
2nd Due Brush	3	Fire Attack	3		3
1st Due Engine	3	Water Supply	1		3
		Additional Personnel may be reassigned by I.C.	2	*	
1st Due Medic	2	Initial civilian EMS (triage, treatment, and transport)	2	*	2
		Lookout (as needed)	2	*	
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
		Safety Officer - LCES	1	*	
		Obtain Spot Weather	1	*	
Total # of Responding Personnel	12	Total # of Personnel Needed	12		

Response Plan: Brush Fire, Threatening (T) [High]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Engine	3	Structure Protection (as needed)	3		3
		Water Supply (as needed)	1	*	
		Additional Personnel may be reassigned by I.C.	2	*	
2nd Due Engine or CAFS	3	Structure Protection	3		3
1st Due Brush	3	Primary Investigation	1	*	3
		Determine Location, Size of Fire and Tactical Plan	1	*	
		Fire Attack	3		
2nd Due Brush	3	Fire Attack	3		3
1st Due Medic	2	Initial civilian EMS (triage, treatment, and transport)	2	*	2
		Lookout (as needed)	2	*	
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
		Safety Officer - LCES	1	*	
		Obtain Spot Weather	1	*	
2nd Due Chief	1	Safety Officer or Division/Group Supervisor	1		1
Total # of Responding Personnel	16	Total # of Personnel Needed	16		

Response Plan: Large Brush Fire, [Moderate] - PROPOSED					
Unit	Crew Size	Task	Personnel needed *part time task		
1st Due Brush	3	Primary Investigation	1	*	3
		Determine Location, Size of Fire and Tactical Plan	1	*	
		Fire Attack	3		
2nd Due Brush	3	Fire Attack	3		3
3rd Due Brush	3	Fire Attack	3		3
1st Due Engine	3	Water Supply	1		3
		Additional Personnel may be reassigned by I.C.	2	*	
1st Due Medic	2	Fire Attack (as needed)	2	*	2
		Medial Group (as needed)	2	*	
2nd Due Medic	2	Initial civilian EMS (triage, treatment, and transport)	2	*	2
		Lookout (as needed)	2	*	
1st due Tender		Water Supply	1		
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
		Safety Officer - LCES	1	*	
		Obtain Spot Weather	1	*	
2nd Due Chief	1	Division Supervisor (as needed)	1		1
		Senior Advisor (as needed)	1	*	
1st Bureau (non-emergent)	1	Investigation	1	*	1
		UAV / UAS support	1	*	
Total # of Responding Personnel	19	Total # of Personnel Needed	18		

Response Plan: Wildland Interface Fire [High] - PROPOSED					
Unit	Crew Size	Task	Personnel needed *part time task		
1st Due Brush	3	Primary Investigation	1	*	3
		Determine Location, Size of Fire and Tactical Plan	1	*	
		Fire Attack	3		
2nd Due Brush	3	Fire Attack	3		3
3rd Due Brush	3	Fire Attack	3		3
1st Due Engine	3	Structure Protection (as needed)	3		3
		Water Supply (as needed)	1	*	
		Additional Personnel may be reassigned by I.C.	2	*	
2nd Due Engine / Type III / CAFS	3	Structure Protection	3		3
1st due Tender	1	Water Supply	1		1
1st Due Medic	2	Fire Attack (as needed)	2	*	2
		Mecial Group (as needed)	2	*	
2nd Due Medic	2	Initial civilian EMS (triage, treatment, and transport)	2	*	2
		Lookout (as needed)	2	*	
1st Due Chief	1	Incident Command	1		1
		Size up/determine need for additional resources	1	*	
		Accountability	1	*	
		Safety Officer - LCES	1	*	
		Obtain Spot Weather	1	*	
2nd Due Chief	1	Safety Officer or Division/Group Supervisor	1		1
1st Bureau (non-emergent)	1	Investigation	1	*	1
		UAV / UAS support	1	*	
Total # of Responding Personnel	23	Total # of Personnel Needed	23		

Critical Task Analysis: Technical Rescue

Response Plan: Elevator Rescue Non-Emergent Response [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Victim Locate / Contact	1	*	
		Victim Rescue	2		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Entrapment [Low] - UPDATED 12/30/2021					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Initiate Command / Initial Size-up / IAP	1	*	3
		Establish Perimeter, Isolate and Deny Entry	1	*	
		Victim Locate / Contact	1		
		Equipment Set-up / Staging	1	*	
		Life Safety, Hazard Analysis/Control	2		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Determine need for additional resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	6	Total # of Personnel Needed	6		

Response Plan: Dive 2 / Recovery [Moderate] - UPDATED					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Initial incident command / Size-Up / IAP	1	*	3
		Victim Locate	1		
		Haul Team	2		
		Equipment Set-up / Staging	1	*	
1st Due Dive Rescue	3	Victim Recovery	3		3
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Determine need for additional resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	7	Total # of Personnel Needed	7		

Response Plan: Hi/Lo Angle Rescue [Moderate] - UPDATED					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Initiate command / Size-Up / IAP	1	*	3
		Victim Locate / Contact	1	*	
		Establish perimeter, isolate	1	*	
		Equipment Set-up / Staging	1	*	
		Life Safety, Hazard analysis/Control	2	*	
1st Due Aerial	3	Additional Equipment Needs	1	*	3
		Rigging Team	2	*	
		Litter Team	2		
		Rescue Group	1		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Size up/determine need for additional or specialized resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	9	Total # of Personnel Needed	9		

Response Plan: MVC: Multiple Injury / Extrication [Moderate] UPDATED					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Initial Incident Command / Size-Up / IAP	1	*	3
		Scene Safety	1		
		Scene Triage	1	*	
		Initial Patient Triage	1		
		Hazards Mitigation	1		
2nd Due Suppression	3	Blocker	1		1
1st Due Advanced Extrication	3	Extrication equipment operation	2		2
		Rescue Group	1		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
2st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Determine Need for Additional resources	1	*	
		Accountability	1	*	
Total # of Responding Personnel	14	Total # of Personnel Needed	11		

Response Plan: Ice Rescue, Human Victim [High] - PROPOSED					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Initial incident command / Size-Up / IAP	1	*	3
		Victim Locate / Contact	1	*	
		Victim Rescue	1		
		Haul Team	2		
		Equipment Set-up / Staging	1	*	
2nd Due Suppression	3	Haul Team	2		3
		Back-Up	1		
1st Due Squad	3	Victim Rescue	1		3
		Haul Team	2		
		Gather additional equipment and personnel	1	*	
1st Due Dive Rescue	3	Victim Rescue	3		3
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
2nd Due Medic (PROPOSED)	*2*	*Medical Group*	*1*		*2*
		Rehab/Recovery	*1*		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Determine need for additional resources	1	*	
		Accountability	1	*	
2nd Due Chief	1	Scene Safety or Division/Group Supervisor	1		1
Total # of Responding Personnel	18	Total # of Personnel Needed	18		

Response Plan: Dive 3 / Drowning [High]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Initial Incident Command / Size-Up / IAP	1	*	3
		Victim Locate / Contact	1	*	
		Victim Rescue	1		
		Haul Team	2		
		Equipment Setup/Staging	1	*	
2nd Due Suppression	3	Haul Team	2		3
		Back-Up	1		
1st Due Squad	3	Victim Search and Rescue	1		3
		Haul Team	2		
		Gather Additional Equipment and Personnel	1	*	
1st Due Dive Rescue	3	Victim Rescue	3		3
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
2nd Due Medic	2	Medical Group	1		2
		Rehab/Recovery	1		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Determine need for additional resources	1	*	
		Accountability	1	*	
2nd Due Chief	1	Scene Safety or Division/Group Supervisor	1		1
Total # of Responding Personnel	18	Total # of Personnel Needed	18		

Response Plan: Trench Collapse [High] - PROPOSED					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Initiate Command / Initial Size-up / IAP	1	*	3
		Establish Perimeter, Isolate and Deny Entry	1	*	
		Initial Atmospheric Monitoring	1	*	
		Victim Locate / Contact	1	*	
		Ladder Access	1	*	
		Ground Pad Placement	1	*	
		Life Safety, Hazard Analysis/Control	2	*	
2nd Due Suppression	3	Panel Team	2	*	3
		Shoring Team	2	*	
1st Due Aerial	3	Additional Equipment Needs	1		3
		Rigging Team	2	*	
		Litter Team	2		
1st Due Squad & Collapse Trailer	3	Additional Equipment Needs	1	*	3
		Stabilization / Cut Table	2		
		Rescue Group	1		
1st Due HAZMAT	3	Hazardous Materials Identification	1	*	3
		Air Monitoring	1		
		Hazardous Materials Mitigation	2		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
2nd Due Medic	*2*	*Medical Group*	*1*		*2*
		Rehab / Recovery	*1*		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Determine need for additional resources	1	*	
		Accountability	1	*	
2nd Due Chief	1	Safety Officer or Division / Group Supervisor	1		1
Total # of Responding Personnel	21	Total # of Personnel Needed	21		

Response Plan: Confined Space Rescue [High]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Initiate Command / Initial Size-up / IAP	1	*	3
		Establish Perimeter, Isolate and Deny Entry	1	*	
		Atmospheric Monitoring	1	*	
		Victim Locate / Contact	1	*	
		Life Safety, Hazard Analysis/Control	2	*	
2nd Due Suppression	3	Entry	2	*	3
		Search	2	*	
		Rescue	2	*	
3nd Due Suppression	3	Rapid Intervention Team	3		3
1st Due Aerial	3	Additional Equipment Needs	1		3
		Rigging Team	2	*	
		Haul Team	2		
1st Due HAZMAT	3	Hazardous Materials Identification	1	*	3
		Air Monitoring	1		
		Hazardous Materials Mitigation	2		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
2nd Due Medic (PROPOSED)	*2*	*Medical Group*	*1*		*2*
		Rehab / Recovery	*1*		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Determine Need For Additional Resources	1	*	
		Accountability	1	*	
2nd Due Chief	1	Safety Officer or Division Group Supervisor	1		1
Total # of Responding Personnel	21	Total # of Personnel Needed	21		

Response Plan: Building Collapse [High] - PROPOSED					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Initiate Command / Initial Size-up / IAP	1	*	3
		Establish Perimeter, Isolate and Deny Entry	1	*	
		Atmospheric Monitoring	1	*	
		Victim Locate / Contact	1	*	
		Life Safety, Hazard Analysis/Control	2	*	
2nd Due Suppression	3	Search	2	*	3
		Building Stabilization (if needed)	3	*	
3nd Due Suppression	3	Rapid Intervention Team	3		3
1st Due Aerial	3	Additional Equipment Needs	1		3
		Rigging Team	2	*	
		Litter Team	2		
1st Due Squad & Collapse Trailer	3	Additional Equipment Needs	1	*	3
		Stabilization / Cut Table	2		
		Rescue Group	1		
1st Due Hazmat	3	Hazardous Materials Identification	1	*	3
		Air Monitoring	1		
		Hazardous Materials Mitigation	2		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
2nd Due Medic (Proposed)	*2*	*Medical Group*	*1*		*2*
		Rehab / Recovery	*1*		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Determine need for additional resources	1	*	
		Accountability	1	*	
2nd Due Chief	1	Safety Officer or Division / Group Supervisor	1		1
Total # of Responding Personnel	24	Total # of Personnel Needed	24		

Critical Task Analysis: Other

Response Plan: Lock-Out, In Non-Emergent Response [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Verify Vehicle Ownership	1	*	
		Unlock Vehicle	2		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Lock-Out, Immediate Response [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Verify Vehicle Ownership	1	*	
		Unlock Vehicle	2		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Water Shut-Off Non-Emergent [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Incident Command	1		3
		Scene Safety	1	*	
		Determine Need for Additional Resources	1	*	
		Investigate Source & Control	2		
Total # of Responding Personnel	3	Total # of Personnel Needed	3		

Response Plan: Explosion No Fire [Moderate]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression	3	Incident Command	1	*	3
		Scene Safety	1	*	
		Determine Need for Additional Resources	1	*	
		Investigate Source & Control	2		
2nd Due Suppression	3	Entry	2	*	3
		Search	2	*	
		Rescue	2	*	
3rd Due Suppression	3	Rapid Intervention Team	3		3
1st Due Aerial	3	Additional Equipment Needs	1		3
		Rigging Team	2	*	
		Litter Team	2		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Scene Safety	1	*	1
		Incident Command	1		
		Determine need for additional resources	1	*	
		Accountability	1	*	
2nd Due Chief	1	Scene Safety or Division/Group Supervisor	1		1
Total # of Responding Personnel	16	Total # of Personnel Needed	16		

Response Plan: Aircraft Alert 1 or Alert 2 [Low]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Suppression Apparatus	3	Stand-By / Stage	3		3
1st Due Brush	3	Stand-by / Stage	3		3
Total # of Responding Personnel	6	Total # of Personnel Needed	6		

Response Plan: Aircraft Alert 3 [High]					
Unit	Crew Size	Task	Personnel needed	*part time task	
1st Due Engine	3	Initial Incident Command	1	*	3
		Scene Safety	1		
		Scene Triage	1	*	
		Initial Patient Triage	1	*	
		Fire Control/ Hazards Mitigation	2		
2nd Due Suppression Apparatus	3	Water Supply	1		3
		Rescue Support	2		
1st Due Brush	3	Remote Access	1		3
		Fire Control / Hazard Mitigation	2		
1st Due Medic	2	Primary Caregiver	1		2
		Documentation	1	*	
		Primary Transporting Medic Driver	1		
1st Due Chief	1	Incident Command	1		1
		Accountability	1	*	
2nd Due Chief	1	Safety Officer of Division/Group Supervisor	1		1
Red Leader One	3	Fire Control	2		3
		Specialty Apparatus	1		
Total # of Responding Personnel	16	Total # of Personnel Needed	16		

Appendix C: PROPOSED (2022 – 2026) Benchmark Performance Statements

As defined in the Quality Improvement for Fire and Emergency Services p.127 a benchmark is "…defined as a standard from which something can be judged. Searching for the benchmark, or best practice, will help define superior performance of a product, service or process". In short, a benchmark is a statement of ideal performance, or a goal the department is striving to achieve.

Per the direction of the Town of Castle Rock Town Council, the department evaluates and adjusts its performance benchmark every five years, unless baseline performance meets or exceeds a given benchmark. CRFD established its proposed benchmarks based on the 80th percentile for each service type and risk level where adequate data was available using data collected between 2017 – 2021.

There are two exceptions to this methodology; call processing time and low frequency ERF incidents. The call processing benchmark was established based on the Commission on Accreditation for Law Enforcement Agencies (CALEA) performance guidelines and in cooperation with the Douglas Regional Communication Center (DRCC), and has adopted a 60 second (1:00) benchmark. Given the low frequency of certain ERF incident types, the department evaluated ERF response times across multiple incident types between 2017 – 2021 and recommends adopting a 16 minute (16:00) ERF benchmark for the following incident type and risk levels:

- Structure fires – high risk.
- HAZMAT - high risk
- Wildland fires – moderate and high risk
- Technical Rescue - moderate and high risk

In the absence of a physical change to its operations or deployment (additional resources, stations, companies, or new technology), CRFD believes that this measured approach keeps the benchmarks realistic and achievable through changes in behavior and attitude.

Performance Benchmark: Call Processing and Turnout - PROPOSED

For 90% of all emergent incidents, DRCC's call processing time shall be 1:00, and Castle Rock Fire and Rescue Department's turnout time shall be 1:30.

	Benchmark
Call Processing	1:00
Turnout	1:30

Performance Benchmarks: EMS - PROPOSED

For 90% of all moderate and high risk Emergency Medical Services (EMS) responses, the total response time for the arrival of the first-due unit, staffed with two firefighters, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 20 seconds in rural areas, and 9 minutes and 10 seconds on interstate calls. The first due unit shall be capable of: assessing scene safety and establishing command; sizing-up the situation; conducting initial patient assessment; obtaining vitals and patient's medical history; initiating Advanced Life Support (ALS) care; and assisting transport personnel with packaging the patient in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

For 90% of low risk Emergency Medical Services (EMS) response incidents, the total response time for the arrival of the effective response force (ERF) of a single medic unit, staffed with two firefighters, shall be 7 minutes in all population densities. The ERF shall be capable of: continued Advanced Life Support (ALS) treatment; and transport to a facility capable of providing appropriate ongoing care in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

For 90% of moderate risk Emergency Medical Services (EMS) response incidents, the total response time for the arrival of the effective response force (ERF), staffed with five firefighters and officers, shall be 8 minutes and 20 seconds in urban areas, 9 minutes and 30 seconds in rural areas. The ERF shall be capable of: continued Advanced Life Support (ALS) treatment; and transport to a facility capable of providing appropriate ongoing care in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

For 90% of high risk Emergency Medical Services (EMS) response incidents, the total response time for the arrival of the effective response force (ERF), staffed with six firefighters and officers, shall be 9 minutes and 50 seconds in urban areas, 11 minutes and 30 seconds in rural areas, and 11 minutes and 20 seconds on interstate calls. The ERF shall be capable of: continued Advanced Life Support (ALS) treatment; and transport to a facility capable of providing appropriate ongoing care in accordance with both CRFD standard operating guidelines and current Denver Metropolitan EMS Protocols.

Performance Benchmarks: Fire Suppression - PROPOSED

For 90% of all non-wildland fires, the total response time for the arrival of the first-due unit, staffed with three firefighters, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 20 seconds in rural areas, and 9 minutes and 10 seconds on interstate calls. The first due unit shall be capable of: providing 300 gallons of water and a pumping capacity of 1250 gallons per minute (gpm), initiating command; establishing the primary attack line capable of flowing a minimum of 150 gpm; and establishing an uninterrupted water source.

For 90% of all low risk non-wildland fires, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of three firefighters and officers, shall be 11 minutes and 10 seconds in urban areas, 11 minutes and 50 seconds in rural areas, and 13 minutes on interstate calls. The ERF shall be capable of: establishing command, accountability and a safety officer; providing 2 in 2 out capability; investigating the source; preparing for fire attack; providing an uninterrupted water supply; maintaining a fire flow of 1500 gpm; completing forcible entry; initiating ventilation; and providing triage and initial treatment of victims if needed in accordance with CRFD standard operating guidelines.

For 90% of all moderate risk non-wildland fires, the total response time for the arrival of the effective response force (ERF), staffed with 18 firefighters and officers, shall be 15 minutes and 20 seconds in both urban and rural areas. The ERF shall be capable of: establishing command, accountability and a safety officer; providing 2 in 2 out capability; investigating the source; providing an uninterrupted water supply; maintaining a fire flow of 1500 gpm; advancing an attack line and a backup line for fire control of equal or greater size than the primary attack line; completing forcible entry; completing utility control; conducting victim search; initiating ventilation; providing a rapid intervention team (RIT); and providing triage, treatment, and transport of victims if needed in accordance with CRFD standard operating guidelines.

For 90 % of all high risk non-wildland fires, the total response time for the arrival of the effective response force (ERF), staffed with 21 firefighters and officers, shall be 16 minutes and zero seconds in both urban and rural areas. The ERF shall be capable of: establishing command, accountability and a safety officer; providing 2 in 2 out capability; investigating the source; providing an uninterrupted water supply; maintaining a fire flow of 1500 gpm; advancing an attack line and a backup line for fire control of equal or greater size than the primary attack line; completing forcible entry; completing utility control; conducting victim search; initiating ventilation; providing a rapid intervention team (RIT); and providing triage, treatment, and transport of victims if needed in accordance with CRFD standard operating guidelines.

Performance Benchmarks: HAZMAT – PROPOSED

For 90% of all hazardous materials response incidents, the total response time for the arrival of the first-due unit, staffed with three firefighters, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 20 seconds in rural areas, and 9 minutes and 10 seconds on interstate calls. The first due unit shall be capable of: establishing command; initial recon and atmospheric monitoring; determining the need for additional resources; begin establishing a hot, warm and cold zone; denying entry; isolating potential victims, in accordance with CRFD standard operating guidelines.

For 90% of low risk hazardous materials response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of three firefighters and officers, shall be 8 minutes and 40 seconds in urban areas, 8 minutes and 30 seconds in rural areas and the interstate. The ERF shall be capable of: providing the equipment, technical expertise, knowledge, skills, and abilities to initiate mitigation of a hazardous materials incident, dependant on the complexity of the incident; in accordance with CRFD standard operating guidelines.

For 90% of moderate risk hazardous materials response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of nine firefighters and officers, shall be 11 minutes and 40 seconds in urban areas, and 13 minutes in rural areas and 16 minutes on the interstate. The ERF shall be capable of: providing the equipment, technical expertise, knowledge, skills, and abilities to initiate mitigation of a hazardous materials incident, dependant on the complexity of the incident, in accordance with CRFD standard operating guidelines.

For 90% of high risk hazardous materials response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of 12 firefighters and officers, shall be 16 minutes in all population densities. The ERF shall be capable of: providing the equipment, technical expertise, knowledge, skills, and abilities to mitigate or initiate mitigation of a hazardous materials incident, dependant on the complexity of the incident, in accordance with CRFD standard operating guidelines.

Performance Benchmarks: Wildland - PROPOSED

For 90 % of all wildland fire response incidents, the total response time for the arrival of the first-due unit, staffed with three firefighters, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 20 seconds in rural areas, and 9 minutes and 10 seconds on interstate calls. The first due unit shall be capable of: providing 300 gallons of water and a pumping capacity of 100 gallons per minute (GPM); initiating command; providing size-up; identify life safety concerns, developing an incident action plan (IAP); determining resource needs; establish lookouts, communications, escape routes and safety zones (LCES); and implement the IAP in accordance with CRFD standard operating guidelines.

For 90 % of all low risk wildland fire response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of three firefighters and officers, shall be 8 minutes and 50 seconds in urban areas, 10 minutes and 20 seconds in rural areas and on the interstate. The ERF shall be capable of: establishing command; providing for accountability; determining the need for additional resources; establish lookouts, communications plan, escape routes, and safety zones (LCES); providing a water supply; support the IAP in accordance with CRFD standard operating guidelines.

For 90 % of all moderate risk wildland fire response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of 16 firefighters and officers, shall be 16 minutes in all population areas. The ERF shall be capable of: establishing command; providing for accountability; determining the need for additional resources; establish lookouts, communications plan, escape routes, and safety zones (LCES); providing a water supply; support the IAP in accordance with CRFD standard operating guidelines.

For 90 % of all high risk wildland fire response incidents, the total response time for the arrival of the effective response force (ERF), staffed with a minimum of 19 firefighters and officers, shall be 16 minutes in all population areas. The ERF shall be capable of: establishing command; providing for accountability; determining the need for additional resources; establish lookouts, communications plan, escape routes, and safety zones (LCES); providing a water supply; support the IAP in accordance with CRFD standard operating guidelines.

Performance Benchmarks: Technical Rescue - PROPOSED

For 90 % of all technical rescue incidents, the total response time for the arrival of the first-due unit, staffed with three firefighters, shall be 7 minutes and 10 seconds in urban areas, 8 minutes and 20 seconds in rural areas, and 9 minutes and 10 seconds on interstate calls. The first due unit shall be capable of: initiating command; determining the need for additional resources; denying entry; initial reconnaissance; atmospheric monitoring (if applicable) and provide triage, initial treatment of victims (if needed) without endangering response personnel in accordance with CRFD standard operating guidelines.

For 90 % of all low risk technical rescue incidents, the total response time for the arrival of the effective response force (ERF), staffed with minimum of six firefighters and officers, shall be 8 minutes and 50 seconds in all population areas. The ERF shall be capable of: establishing patient contact; staging and apparatus set up; providing technical expertise, knowledge, skills and abilities during technical rescue incidents; and providing Advanced Life Support (ALS) treatment and transport in accordance with CRFD standard operating guidelines.

For 90 % of all moderate and high risk technical rescue incidents, the total response time for the arrival of the effective response force (ERF), staffed with minimum of seven firefighters and officers, shall be 16 minutes in all population areas. The ERF shall be capable of: establishing patient contact; staging and apparatus set up; providing technical expertise, knowledge, skills and abilities during technical rescue incidents; and providing Advanced Life Support (ALS) treatment and transport in accordance with CRFD standard operating guidelines.

Appendix D: Emergency Medical Services Data Tables

The following data tables detail the department's Emergency Medical Service (EMS) performance from 2017 – 2021 against adopted standards by risk level (low, moderate, and high);

- Low Risk
  - Jurisdiction (CRFD)
  - Station (151, 154, 155)
- Moderate Risk
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)
  - Planning Zone (PZ1, PZ2, PZ3, PZ4, PZ5, PZ6, PZ7, PZ8, PZ9)
- High Risk
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)
  - Planning Zone (PZ1, PZ2, PZ3, PZ4, PZ5, PZ6, PZ7, PZ8, PZ9, Interstate)

EMS Low Risk: CRFD

CRFD									
EMS: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:28	1:23	2:14	1:04	0:58	1:28	1:00
			n= 229	n= 44	n= 45	n= 56	n= 36	n= 48	
Turnout			1:20	1:20	1:05	1:14	1:34	1:37	1:38
			n= 222	n= 42	n= 43	n= 55	n= 36	n= 46	
Travel Time	1st Due	Rural	5:30	2:01	N/A	5:30	3:40	11:40	4:22
			n= 21	n= 1	n= 0	n= 9	n= 4	n= 7	
		Urban	6:00	5:40	5:40	0:00	5:30	6:20	
			n= 209	n= 43	n= 47	n= 47	n= 32	n= 40	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	8:20	4:00	N/A	7:00	8:20	18:00	7:00
			n= 22	n= 1	n= 0	n= 9	n= 4	n= 8	
		Urban	7:50	7:10	7:50	6:50	7:50	8:20	
			n= 209	n= 43	n= 47	n= 47	n= 32	n= 40	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

Return to EMS Concentration Factors

EMS Low Risk: Station 151

Station 151									
EMS: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:54	0:48	N/A	1:54	0:36	0:56	1:00
			n= 8	n= 1	n= 0	n= 3	n= 3	n= 1	
Turnout			1:45	1:08	N/A	1:19	1:45	0:58	1:38
			n= 8	n= 1	n= 0	n= 3	n= 3	n= 1	
Travel Time	1st Due	Rural	5:10	2:10	N/A	5:10	3:40	3:40	4:22
			n= 8	n= 1	n= 0	n= 3	n= 3	n= 1	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	7:00	4:00	N/A	7:00	5:20	5:30	7:00
			n= 8	n= 1	n= 0	n= 3	n= 3	n= 1	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Low Risk: Station 154

Station 154									
EMS: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:34	1:30	1:36	2:07	N/A	1:21	1:00
			n= 60	n= 15	n= 20	n= 18	n= 0	n= 7	
Turnout			1:10	1:20	1:05	1:10	0:08	1:18	1:38
			n= 58	n= 13	n= 20	n= 17	n= 1	n= 7	
Travel Time	1st Due	Rural	5:50	N/A	N/A	5:30	2:00	11:40	4:22
			n= 13	n= 0	n= 0	n= 6	n= 1	n= 6	
		Urban	6:00	8:50	6:00	4:10	N/A	N/A	
			n= 47	n= 15	n= 20	n= 12	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	13:10	N/A	N/A	6:30	8:20	18:00	7:00
			n= 14	n= 0	n= 0	n= 6	n= 1	n= 7	
		Urban	8:00	10:50	8:00	6:40	N/A	N/A	
			n= 76	n= 14	n= 50	n= 12	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Low Risk: Station 155

Station 155									
EMS: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:23	1:19	2:18	0:51	0:58	1:33	1:00
			n= 161	n= 28	n= 25	n= 35	n= 33	n= 40	
Turnout			1:21	1:21	1:15	1:14	1:29	1:41	1:38
			n= 156	n= 28	n= 23	n= 35	n= 32	n= 38	
Travel Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	4:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	6:00	5:40	5:40	5:10	5:30	6:20	
			n= 172	n= 38	n= 27	n= 35	n= 32	n= 40	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	7:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	7:40	7:10	7:40	6:50	7:50	8:20	
			n= 162	n= 28	n= 27	n= 35	n= 32	n= 40	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: CRFD

CRFD									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing		Urban	1:26	1:26	1:29	1:18	1:26	1:30	1:00
		Rural	1:31	1:29	1:40	1:24	1:27	1:36	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
Turnout		Urban	1:40	1:38	1:40	1:41	1:42	1:40	1:38
		Rural	1:40	1:33	1:43	1:36	1:46	1:43	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
Travel Time	1st Due	Urban	5:40	5:40	5:30	5:40	5:40	5:30	4:32
		Rural	6:50	6:50	7:10	6:30	6:50	7:10	5:32
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	ERF	Rural	7:50	7:40	7:40	8:00	8:10	10:10	7:32
		Urban	9:40	10:00	9:50	8:20	9:00	8:30	6:02
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Response Time	1st Due	Urban	7:50	7:50	7:00	7:50	7:50	7:50	7:10
			n= 8855	n= 1989	n= 1774	n= 1816	n= 1580	n= 1696	
		Rural	9:00	8:50	9:30	8:30	9:00	9:30	8:10
			n= 2713	n= 559	n= 469	n= 538	n= 574	n= 573	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	9:50	9:30	9:40	9:50	10:00	10:10	8:40
			n= 6847	n= 1570	n= 1424	n= 1407	n= 1251	n= 1648	
		Rural	11:40	12:10	12:00	10:30	11:30	12:00	10:10
			n= 2052	n= 432	n= 351	n= 418	n= 456	n= 552	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Station 151

Station 151									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:31	1:36	1:31	1:21	1:31	1:32	1:00
			n= 3898	n= 777	n= 702	n= 815	n= 772	n= 832	
Turnout			1:45	1:39	1:44	1:44	1:46	1:45	1:38
			n= 3836	n= 750	n= 690	n= 803	n= 769	n= 824	
Travel Time	1st Due	Urban	5:20	5:30	5:20	5:10	5:20	5:30	4:32
			n= 3067	n= 632	n= 570	n= 646	n= 605	n= 614	
		Rural	6:30	5:20	5:20	5:30	5:20	8:00	5:32
			n= 835	n= 152	n= 135	n= 168	n= 160	n= 220	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	7:50	7:30	7:20	8:00	7:50	8:30	6:02
			n= 2943	n= 612	n= 555	n= 616	n= 578	n= 582	
		Rural	8:40	7:30	8:30	8:10	7:50	10:50	7:32
			n= 805	n= 150	n= 135	n= 156	n= 155	n= 209	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	7:30	7:40	7:30	7:30	7:30	7:40	7:10
			n= 3073	n= 633	n= 569	n= 648	n= 608	n= 615	
		Rural	8:40	7:00	8:10	7:00	7:40	10:40	8:10
			n= 837	n= 152	n= 135	n= 169	n= 161	n= 220	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	9:40	9:20	9:30	9:40	9:40	10:30	8:40
			n= 2944	n= 612	n= 554	n= 617	n= 579	n= 582	
		Rural	10:40	8:50	10:20	9:10	9:50	12:40	10:10
			n= 806	n= 150	n= 135	n= 156	n= 156	n= 209	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Station 152

Station 152									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:27	1:35	1:27	1:22	1:14	N/A	1:00
			n= 645	n= 211	n= 167	n= 150	n= 117	n= 0	
Turnout			1:44	1:40	1:45	1:40	1:52	N/A	1:38
			n= 640	n= 208	n= 164	n= 151	n= 117	n= 0	
Travel Time	1st Due	Urban	5:40	6:00	5:40	5:50	5:00	N/A	4:32
			n= 264	n= 86	n= 78	n= 84	n= 16	n= 0	
		Rural	8:40	8:50	8:20	7:30	9:20	N/A	5:32
			n= 367	n= 122	n= 89	n= 65	n= 91	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	10:20	9:00	10:40	11:00	9:50	N/A	6:02
			n= 256	n= 83	n= 78	n= 79	n= 16	n= 0	
		Rural	12:10	12:20	12:30	11:00	12:10	N/A	7:32
			n= 363	n= 124	n= 87	n= 62	n= 90	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	7:40	8:00	7:30	7:40	6:50	N/A	7:10
			n= 265	n= 87	n= 78	n= 84	n= 16	n= 0	
		Rural	11:00	11:10	10:30	10:20	11:40	N/A	8:10
			n= 369	n= 123	n= 89	n= 65	n= 92	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	10:00	11:40	12:20	12:40	11:20	N/A	8:40
			n= 256	n= 83	n= 78	n= 79	n= 16	n= 0	
		Rural	14:10	14:20	14:30	12:40	14:30	N/A	10:10
			n= 365	n= 124	n= 87	n= 64	n= 90	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Station 153

Station 153									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:21	1:14	1:33	1:11	1:16	1:25	1:00
			n= 1439	n= 319	n= 310	n= 279	n= 265	n= 266	
Turnout			1:42	1:43	1:49	1:43	1:39	1:39	1:38
			1421	n= 314	n= 302	n= 277	n= 264	n= 264	
Travel Time	1st Due	Urban	6:20	5:50	6:00	6:30	7:10	6:30	4:32
			n= 1258	n= 294	n= 282	n= 261	n= 218	n= 203	
		Rural	9:50	6:30	9:10	11:20	8:40	11:00	5:32
			n= 181	n= 24	n= 30	n= 19	n= 46	n= 62	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	8:00	7:30	8:10	8:20	9:00	8:00	6:02
			n= 1220	n= 290	n= 278	n= 246	n= 208	n= 198	
		Rural	11:40	8:40	11:10	12:10	11:10	13:20	7:32
			n= 176	n= 23	n= 29	n= 18	n= 45	n= 61	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	8:30	8:00	8:30	8:30	8:50	8:30	7:10
			n= 1260	n= 295	n= 283	n= 261	n= 218	n= 203	
		Rural	12:10	8:20	11:30	12:50	11:00	14:30	8:10
			n= 181	n= 24	n= 30	n= 19	n= 46	n= 62	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	10:00	9:20	10:20	10:00	10:30	9:40	8:40
			n= 1221	n= 290	n= 279	n= 246	n= 208	n= 198	
		Rural	13:40	10:10	12:40	13:20	13:40	15:20	10:10
			n= 176	n= 23	n= 29	n= 18	n= 45	n= 61	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Station 154

Station 154									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:29	1:25	1:32	1:18	1:28	1:34	1:00
			n= 3670	n= 812	n= 690	n= 722	n= 678	n= 768	
Turnout			1:36	1:32	1:36	1:36	1:37	1:38	1:38
			n= 3602	n= 777	n= 671	n= 722	n= 670	n= 762	
Travel Time	1st Due	Urban	5:40	5:40	5:40	5:40	5:50	5:30	4:32
			n= 2813	n= 655	n= 565	n= 531	n= 488	n= 574	
		Rural	4:50	4:30	4:40	4:40	4:50	5:30	5:32
			n= 870	n= 161	n= 127	n= 192	n= 193	n= 197	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	8:10	8:00	8:00	8:20	9:00	8:00	6:02
			n= 2719	n= 643	n= 551	n= 517	n= 462	n= 546	
		Rural	7:10	7:10	6:30	5:50	7:30	8:00	7:32
			n= 834	n= 158	n= 124	n= 183	n= 186	n= 183	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	8:00	8:00	7:50	8:00	8:10	7:50	7:10
			n= 2814	n= 655	n= 565	n= 532	n= 488	n= 574	
		Rural	6:50	6:40	6:40	6:30	7:00	7:30	8:10
			n= 870	n= 161	n= 127	n= 192	n= 193	n= 197	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	10:00	9:30	9:50	10:00	11:00	9:40	8:40
			n= 2721	n= 644	n= 551	n= 517	n= 463	n= 546	
		Rural	8:50	8:50	8:50	7:40	9:40	9:00	10:10
			n= 834	n= 158	n= 124	n= 183	n= 186	n= 183	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Station 155

Station 155									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:26	1:23	1:29	1:22	1:26	1:27	1:00
			n= 1896	n= 418	n= 365	n= 383	n= 332	n= 398	
Turnout			1:38	1:37	1:40	1:36	1:40	1:36	1:38
			n= 1866	n= 404	n= 358	n= 382	n= 331	n= 391	
Travel Time	1st Due	Urban	5:20	5:30	5:30	5:20	5:10	5:00	4:32
			n= 1441	n= 319	n= 279	n= 291	n= 248	n= 304	
		Rural	4:40	6:10	6:20	6:50	6:40	7:00	5:32
			n= 455	n= 99	n= 88	n= 93	n= 82	n= 93	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	9:00	8:50	8:50	9:10	9:10	8:50	6:02
			n= 1377	n= 308	n= 266	n= 276	n= 240	n= 287	
		Rural	9:00	10:00	8:50	8:30	7:50	10:10	7:32
			n= 421	n= 94	n= 80	n= 84	n= 77	n= 86	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	7:20	7:30	7:30	7:30	7:10	7:10	7:10
			n= 1443	n= 319	n= 279	n= 291	n= 250	n= 304	
		Rural	8:50	8:20	9:00	8:50	8:50	9:20	8:10
			n= 456	n= 99	n= 88	n= 93	n= 82	n= 94	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	10:50	10:30	10:30	11:00	11:00	10:50	8:40
			n= 1377	n= 308	n= 266	n= 276	n= 240	n= 287	
		Rural	11:20	12:10	11:00	10:50	10:10	12:10	10:10
			n= 421	n= 94	n= 80	n= 84	n= 77	n= 86	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Planning Zone 1

Planning Zone 1									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:31	1:36	1:28	1:21	1:30	1:33	1:00
			n= 3230	n= 631	n= 564	n= 657	n= 672	n= 706	
Turnout			1:44	1:39	1:48	1:44	1:46	1:44	1:38
			n= 3178	n= 610	n= 556	n= 645	n= 669	n= 698	
Travel Time	1st Due	Urban	5:20	5:30	5:10	5:10	5:10	5:40	4:32
			n= 2509	n= 497	n= 443	n= 495	n= 521	n= 553	
		Rural	4:40	4:40	4:50	4:50	4:30	4:20	5:32
			n= 737	n= 142	n= 124	n= 163	n= 153	n= 155	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	7:40	7:30	7:20	7:40	7:50	8:20	6:02
			n= 2395	n= 477	n= 429	n= 471	n= 496	n= 522	
		Rural	7:10	7:00	7:00	7:50	7:50	6:50	7:32
			n= 714	n= 141	n= 123	n= 153	n= 149	n= 148	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	7:30	7:40	7:30	7:20	7:20	7:40	7:10
			n= 2512	n= 497	n= 441	n= 496	n= 524	n= 554	
		Rural	6:50	6:40	7:00	6:50	6:50	6:50	8:10
			n= 739	n= 142	n= 124	n= 164	n= 154	n= 155	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	9:40	9:20	9:30	9:30	9:40	10:30	8:40
			n= 2396	n= 477	n= 428	n= 472	n= 497	n= 522	
		Rural	9:00	8:10	9:00	9:00	9:50	9:00	10:10
			n= 724	n= 151	n= 123	n= 153	n= 149	n= 148	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Planning Zone 2

Planning Zone 2									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:27	1:19	1:30	1:04	1:34	1:31	1:00
			n= 302	n= 64	n= 62	n= 73	n= 42	n= 61	
Turnout			1:42	1:39	1:41	1:45	1:37	1:48	1:38
			n= 298	n= 62	n= 59	n= 74	n= 42	n= 61	
Travel Time	1st Due	Urban	6:00	6:30	6:50	5:20	5:50	5:20	4:32
			n= 305	N= 65	n= 62	n= 75	n= 42	n= 61	
		Rural	N/A	N/A	N/A	N/A	N/A	N/A	5:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	8:20	8:10	8:20	8:40	7:00	8:10	6:02
			n= 295	n= 65	n= 61	n= 69	n= 40	n= 60	
		Rural	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	8:10	8:20	9:20	7:30	8:10	7:40	7:10
			306	n= 65	n= 63	n= 75	n= 42	n= 61	
		Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	10:10	10:00	10:40	10:10	8:50	10:40	8:40
			n= 295	n= 65	n= 61	n= 69	n= 40	n= 60	
		Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Planning Zone 3

Planning Zone 3									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:21	1:14	1:31	1:14	1:16	1:22	1:00
			n= 1195	n= 290	n= 258	n= 222	n= 220	n= 205	
Turnout			1:42	1:43	1:49	1:42	1:40	1:40	1:38
			n= 1181	n= 286	n= 252	n= 220	n= 219	n= 204	
Travel Time	1st Due	Urban	5:30	5:30	5:30	6:10	5:20	5:10	4:32
			n= 1091	n= 272	n= 247	n= 215	n= 187	n= 170	
		Rural	6:50	6:40	7:00	11:20	7:40	6:50	5:32
			n= 106	n= 17	n= 13	n= 7	n= 33	n= 36	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	7:40	6:40	7:10	7:50	9:00	7:20	6:02
			n= 1059	n= 270	n= 244	n= 202	n= 178	n= 165	
		Rural	8:40	10:30	7:50	11:30	8:40	7:40	7:32
			n= 104	16	n= 13	n= 7	n= 32	n= 36	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	7:40	7:40	7:40	8:00	7:40	7:10	7:10
			n= 1094	n= 273	n= 248	n= 215	n= 188	n= 170	
		Rural	10:00	8:20	10:40	12:10	9:20	9:00	8:10
			n= 105	n= 17	n= 13	n= 7	n= 33	n= 35	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	9:30	8:40	9:20	9:40	10:20	9:20	8:40
			n= 1060	n= 270	n= 245	n= 202	n= 178	n= 165	
		Rural	11:10	11:20	10:40	12:20	11:10	10:30	10:10
			n= 103	n= 16	n= 13	n= 7	n= 32	n= 35	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Planning Zone 4

Planning Zone 4									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:31	1:25	1:34	1:18	1:30	1:40	1:00
			n= 2998	n= 673	n= 544	n= 621	n= 557	n= 603	
Turnout			1:37	1:33	1:36	1:38	1:39	1:39	1:38
			n= 2941	n= 643	n= 528	n= 622	n= 550	n= 598	
Travel Time	1st Due	Urban	5:50	5:50	5:40	5:50	6:00	5:40	4:32
			n= 2141	n= 515	n= 419	n= 431	n= 367	n= 409	
		Rural	4:50	4:30	4:40	4:40	4:50	5:30	5:32
			n= 870	n= 161	n= 127	n= 192	n= 193	n= 197	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	8:20	8:00	8:00	8:10	9:20	8:30	6:02
			n= 2061	n= 504	n= 406	n= 418	n= 347	n= 386	
		Rural	7:10	7:10	6:30	5:50	7:30	8:00	7:32
			n= 834	n= 158	n= 124	n= 183	n= 186	n= 183	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	8:00	8:00	7:50	8:10	8:20	8:00	7:10
			n= 2142	n= 515	n= 419	n= 432	n= 367	n= 409	
		Rural	6:50	6:40	6:40	6:30	7:00	7:30	8:10
			n= 870	n= 161	n= 127	n= 192	n= 193	n= 197	
		Interstate	N/A	N/A	N/A		N/A	N/A	N/A
			n= 0	n= 0	n= 0	n=	n= 0	n= 0	
	ERF	Urban	10:10	9:40	10:10	9:50	11:10	10:10	8:40
			n= 2062	n= 505	n= 406	n= 418	n= 347	n= 386	
		Rural	8:50	8:50	8:50	7:40	9:10	9:30	10:10
			n= 834	n= 158	n= 124	n= 183	n= 186	n= 183	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Planning Zone 5

Planning Zone 5									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:26	1:23	1:29	1:23	1:26	1:27	1:00
			n= 1874	n= 398	n= 365	n= 381	n= 332	n= 398	
Turnout			1:38	1:37	1:40	1:36	1:40	1:36	1:38
			n= 1844	n= 384	n= 358	n= 380	n= 331	n= 391	
Travel Time	1st Due	Urban	5:10	5:10	5:30	5:20	5:10	5:00	4:32
			n= 1422	n= 300	n= 279	n= 291	n= 248	n= 304	
		Rural	6:40	6:10	6:20	6:40	6:40	7:00	5:32
			n= 452	n= 98	n= 88	n= 91	n= 82	n= 93	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	9:00	8:50	8:50	9:10	9:10	8:50	6:02
			n= 1358	n= 289	n= 266	n= 276	n= 240	n= 287	
		Rural	9:00	9:50	8:50	8:20	7:50	10:10	7:32
			n= 419	n= 93	n= 80	n= 83	n= 77	n= 86	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	7:20	7:20	7:30	7:30	7:10	7:10	7:10
			n= 1424	n= 300	n= 279	n= 291	n= 250	n= 304	
		Rural	8:50	8:20	9:00	8:50	8:50	9:20	8:10
			n= 453	n= 98	n= 88	n= 91	n= 82	n= 94	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	10:50	10:30	10:30	11:00	11:00	10:50	8:40
			n= 1358	n= 289	n= 266	n= 276	n= 240	n= 287	
		Rural	11:20	11:50	11:00	10:50	10:10	12:10	10:10
			n= 419	n= 93	n= 80	n= 83	n= 77	n= 86	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Planning Zone 6

Planning Zone 6									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:18	1:11	1:45	0:58	1:15	1:29	1:00
			n= 259	n= 49	n= 52	n= 59	n= 45	n= 54	
Turnout			1:38	1:33	1:53	1:44	1:27	1:37	1:38
			n= 256	n= 48	n= 50	n= 59	n= 45	n= 54	
Travel Time	1st Due	Urban	7:30	6:50	6:50	7:40	7:50	7:40	4:32
			n= 186	n= 41	n= 35	n= 46	n= 31	n= 33	
		Rural	10:50	5:30	10:40	11:00	10:50	13:00	5:32
			n= 72	n= 8	n= 17	n= 14	n= 13	n= 20	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	8:40	8:20	10:40	8:30	8:30	8:20	6:02
			n= 180	n= 39	n= 34	n= 44	n= 30	n= 33	
		Rural	12:20	11:30	12:20	12:10	12:30	13:30	7:32
			n= 68	n= 8	n= 16	n= 12	n= 13	n= 19	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	9:30	9:20	9:10	9:20	9:50	10:00	7:10
			n= 185	n= 41	n= 35	n= 46	n= 30	n= 33	
		Rural	12:50	7:20	12:20	12:50	13:40	15:00	8:10
			n= 72	n= 8	n= 17	n= 14	n= 13	n= 20	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	11:00	10:20	12:10	10:30	10:30	10:10	8:40
			n= 180	n= 39	n= 34	n= 44	n= 30	n= 33	
		Rural	14:20	12:20	14:30	13:20	14:20	15:50	10:10
			n= 68	n= 8	n= 16	n= 12	n= 13	n= 19	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Planning Zone 7

Planning Zone 7									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:28	1:35	1:27	1:21	1:14	1:31	1:00
			n= 702	n= 211	n= 167	n= 147	n= 108	n= 69	
Turnout			1:46	1:40	1:45	1:40	1:52	1:51	1:38
			n= 696	n= 208	n= 164	n= 148	n= 108	n= 68	
Travel Time	1st Due	Urban	5:40	6:00	5:40	5:50	5:00	N/A	4:32
			n= 264	n= 86	n= 78	n= 84	n= 16	n= 0	
		Rural	9:10	8:50	8:20	7:30	9:20	11:00	5:32
			n= 436	n= 123	n= 89	n= 65	n= 91	n= 68	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	10:20	9:50	10:40	11:00	9:50	N/A	6:02
			n= 256	n= 83	n= 78	n= 79	n= 16	n= 0	
		Rural	12:20	12:10	12:30	11:00	12:10	14:10	7:32
			n= 429	n= 125	n= 87	n= 62	n= 90	n= 65	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	7:40	8:00	7:30	7:40	6:50	N/A	7:10
			n= 265	n= 87	n= 78	n= 84	n= 16	n= 0	
		Rural	11:40	11:10	10:30	10:20	11:40	13:00	8:10
			n= 439	n= 124	n= 89	n= 65	n= 92	n= 69	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	12:00	11:40	12:20	12:40	11:20	N/A	8:40
			n= 256	n= 83	n= 78	n= 79	n= 16	n= 0	
		Rural	14:20	14:10	14:30	12:40	14:30	15:30	10:10
			n= 429	n= 125	n= 87	n= 62	n= 90	n= 65	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Planning Zone 8

Planning Zone 8									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:51	1:05	4:00	0:38	2:11	1:12	1:00
			n= 24	n= 5	n= 8	n= 3	n= 5	n= 3	
Turnout			1:52	1:52	2:05	1:46	1:52	1:42	1:38
			n= 23	n= 5	n= 7	n= 3	n= 5	n= 3	
Travel Time	1st Due	Urban	N/A	N/A	N/A	N/A	N/A	N/A	4:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Rural	14:00	12:10	14:00	12:10	11:20	14:50	5:32
			n= 24	n= 5	n= 8	n= 3	n= 5	n= 3	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	N/A	N/A	N/A	N/A	N/A	N/A	6:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Rural	15:00	18:00	14:00	13:00	7:40	17:00	7:32
			n= 22	n= 4	n= 8	n= 3	n= 4	n= 3	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	N/A	N/A	N/A	N/A	N/A	N/A	7:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Rural	15:20	14:20	15:20	14:20	13:20	17:40	8:10
			n= 24	n= 5	n= 8	n= 3	n= 5	n= 3	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	N/A	N/A	N/A	N/A	N/A	N/A	8:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Rural	18:30	19:50	15:20	14:40	29:10	18:30	10:10
			n= 23	n= 4	n= 8	n= 3	n= 5	n= 3	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS Moderate Risk: Planning Zone 9

Planning Zone 9									
EMS: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:28	1:30	1:45	1:25	1:23	1:20	1:00
			n= 937	n= 214	n= 214	n= 180	n= 164	n= 165	
Turnout			1:37	1:36	1:37	1:38	1:37	1:31	1:38
			n= 921	n= 205	n= 211	n= 178	n= 163	n= 164	
Travel Time	1st Due	Urban	5:00	5:20	5:20	5:10	5:30	5:30	4:32
			n= 925	n= 210	n= 211	n= 176	n= 163	n= 165	
		Rural	9:00	8:00	9:00	9:50	5:50	N/A	5:32
			n= 11	n= 4	n= 3	n= 2	n= 2	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	7:30	6:20	7:20	9:10	8:40	6:50	6:02
			n= 911	n= 209	n= 210	n= 175	n= 157	n= 160	
		Rural	9:40	9:30	9:40	N/A	6:00	N/A	7:32
			n= 9	n= 4	n= 3	n= 0	n= 2	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Urban	7:40	7:30	7:50	7:30	7:40	7:50	7:10
			n= 927	n= 211	n= 211	n= 177	n= 163	n= 165	
		Rural	11:10	10:40	12:00	11:10	7:50	N/A	8:10
			n= 11	n= 4	n= 3	n= 2	n= 2	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Urban	9:30	9:00	9:10	10:50	10:10	8:50	8:40
			n= 912	n= 209	n= 210	n= 175	n= 158	n= 160	
		Rural	12:20	11:10	12:20	N/A	8:00	N/A	10:10
			n= 9	n= 4	n= 3	n= 0	n= 2	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: CRFD

CRFD									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing		Rural	2:33	2:33	2:35	2:29	2:48	1:59	1:00
		Urban	2:28	3:08	2:21	2:22	2:22	2:21	
		Interstate	2:00	2:05	2:07	2:03	1:41	1:51	
Turnout		Rural	1:41	1:25	1:34	1:36	1:48	1:48	1:38
		Urban	1:40	1:45	1:40	1:36	1:42	1:39	
		Interstate	1:55	1:47	1:16	1:52	1:59	1:58	
Travel Time	1st Due	Rural	9:00	8:40	10:50	8:40	9:00	8:20	5:32
			n= 351	n= 63	n= 80	n= 68	n= 76	n= 64	
		Urban	7:50	8:10	8:00	7:40	7:40	7:40	4:32
			n= 1022	n= 214	n= 249	n= 188	n= 191	n= 180	
		Interstate	11:00	8:50	10:00	11:20	11:20	11:10	7:32
			n= 574	n= 97	n= 84	n= 121	n= 123	n= 149	
	ERF	Rural	11:50	9:10	9:40	1:20	10:20	16:40	10:02
			n= 52	n= 5	n= 8	n= 14	n= 17	n= 8	
		Urban	9:20	8:00	7:00	9:40	11:00	7:40	9:42
			n= 161	n= 34	n= 22	n= 36	n= 36	n= 33	
		Interstate	11:30	9:50	10:00	13:20	12:20	10:30	10:52
			n= 362	n= 70	n= 54	n= 63	n= 79	n= 96	
Total Response Time	1st Due	Rural	9:00	8:40	10:50	8:40	9:00	8:20	8:10
			n= 351	n= 63	n= 80	n= 68	n= 76	n= 64	
		Urban	7:50	8:10	8:00	7:40	7:40	7:40	7:10
			n= 1022	n= 214	n= 249	n= 188	n= 191	n= 180	
		Interstate	11:10	8:50	10:00	11:20	11:20	11:10	10:10
			n= 574	n= 97	n= 84	n= 121	n= 123	n= 149	
	ERF	Rural	13:00	12:50	12:30	13:40	14:10	18:20	12:40
			n= 52	n= 5	n= 8	n= 14	n= 17	n= 8	
		Urban	11:20	10:40	11:40	11:50	12:40	9:20	12:20
			n= 161	n= 34	n= 22	n= 36	n= 36	n= 33	
		Interstate	13:50	12:20	12:10	14:10	14:00	13:30	13:30
			n= 362	n= 70	n= 54	n= 63	n= 79	n= 96	

EMS High Risk: Station 151

Station 151									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:22	2:35	2:29	2:33	2:01	2:00	1:00
			n= 854	n= 152	n= 158	n= 169	n= 161	n= 214	
Turnout			1:52	1:39	1:50	1:46	1:58	1:55	1:38
			n= 818	n= 132	n= 149	n= 164	n= 161	n= 212	
Travel Time	1st Due	Rural	5:00	5:20	4:50	5:20	7:20	4:50	5:32
			n= 112	n= 15	n= 27	n= 23	n= 19	n= 28	
		Urban	5:00	5:10	5:10	4:50	4:30	5:20	4:32
			n= 353	n= 62	n= 78	n= 62	n= 76	n= 75	
		Interstate	7:40	6:00	6:50	8:00	7:40	8:20	7:32
			n= 392	n= 72	n= 54	n= 84	n= 68	n= 114	
	ERF	Rural	11:20	6:30	4:50	12:40	7:50	16:40	10:02
			n= 22	n= 2	n= 2	n= 5	n= 9	n= 4	
		Urban	7:40	6:30	6:50	7:20	11:40	8:30	9:42
			n= 78	n= 15	n= 12	n= 10	n= 18	n= 23	
		Interstate	10:40	9:50	10:00	13:00	11:40	10:30	10:52
			n= 264	n= 56	n= 42	n= 44	n= 50	n= 72	
Total Response Time	1st Due	Rural	7:20	7:00	7:00	7:00	10:10	6:20	8:10
			n= 112	n= 15	n= 27	n= 23	n= 19	n= 28	
		Urban	7:20	7:40	7:50	6:50	6:50	8:00	7:10
			n= 359	n= 66	n= 78	n= 63	n= 77	n= 75	
		Interstate	10:50	8:30	9:40	12:00	10:30	12:30	10:10
			n= 398	n= 75	n= 54	n= 86	n= 69	n= 114	
	ERF	Rural	12:40	7:20	7:30	:15:00	10:00	18:20	12:40
			n= 22	n= 2	n= 2	n= 5	n= 9	n= 4	
		Urban	9:20	7:40	9:20	9:10	13:20	9:20	12:20
			n= 78	n= 15	n= 12	n= 10	n= 18	n= 23	
		Interstate	13:20	11:50	11:40	14:10	13:40	13:30	13:30
			n= 264	n= 56	n= 42	n= 44	n= 50	n= 72	

EMS High Risk: Station 152

Station 152									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:19	3:02	1:21	1:57	1:41	N/A	1:00
			n= 123	n= 27	n= 33	n= 30	n= 33	n= 0	
Turnout			1:43	1:25	1:52	1:47	1:40	N/A	1:38
			n= 121	n= 26	n= 30	n= 31	n= 34	n= 0	
Travel Time	1st Due	Rural	8:40	7:40	11:00	7:10	7:30	N/A	5:32
			n= 53	n= 16	n= 15	n= 12	n= 10	n= 0	
		Urban	6:10	7:10	5:30	4:20	4:30	N/A	4:32
			n= 25	n= 7	n= 10	n= 6	n= 2	n= 0	
		Interstate	9:40	5:10	14:00	9:40	9:40	N/A	7:32
			n= 46	n= 3	n= 7	n= 12	n= 24	n= 0	
	ERF	Rural	10:50	9:10	9:40	10:50	14:20	N/A	10:02
			n= 12	n= 2	n= 3	n= 4	n= 3	n= 0	
		Urban	9:20	N/A	N/A	9:20	N/A	N/A	9:42
			n= 4	n= 0	n= 0	n= 4	n= 0	n= 0	
		Interstate	16:50	5:50	18:00	17:30	12:20	N/A	10:52
			n= 21	n= 1	n= 4	n= 5	n= 11	n= 0	
Total Response Time	1st Due	Rural	11:10	10:10	12:40	13;00	9:50	N/A	8:10
			n= 54	n= 17	n= 15	n= 12	n= 10	n= 0	
		Urban	8:00	11:40	7:00	6:40	6:40	N/A	7:10
			n= 26	n= 8	n= 10	n= 6	n= 2	n= 0	
		Interstate	14:00	9:40	17:40	14:00	12:40	N/A	10:10
			n= 47	n= 3	n= 8	n= 12	n= 24	n= 0	
	ERF	Rural	14:10	12:50	11:40	13:40	16:10	N/A	12:40
			n= 12	n= 2	n= 3	n= 4	n= 3	n= 0	
		Urban	12:10	N/A	N/A	12:10	N/A	N/A	12:20
			n= 4	n= 0	n= 0	n= 4	n= 0	n= 0	
		Interstate	19:10	7:50	19:40	19:20	14:00	N/A	13:30
			n= 20	n= 1	n= 3	n= 5	n= 11	n= 0	

EMS High Risk: Station 153

Station 153									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:25	3:18	3:10	1:47	2:06	1:48	1:00
			n= 177	n= 34	n= 58	n= 27	n= 35	n= 23	
Turnout			1:41	1:55	1:43	1:36	1:27	1:42	1:38
			n= 165	n= 32	n= 53	n= 26	n= 33	n= 21	
Travel Time	1st Due	Rural	10:00	5:20	10:40	10:10	6:50	7:10	5:32
			n= 31	n= 3	n= 11	n= 2	n= 6	n= 9	
		Urban	6:10	5:40	5:10	6:10	9:40	5:00	4:32
			n= 147	n= 30	n= 48	n= 26	n= 29	n= 14	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	8:40	N/A	7:50	N/A	N/A	8:40	10:02
			n= 3	n= 0	n= 2	n= 0	n= 0	n= 1	
		Urban	9:40	10:30	6:40	11:10	8:40	6:50	9:42
			n= 24	n= 6	n= 4	n= 7	n= 5	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	12:20	7:30	12:20	12:50	9:10	10:30	8:10
			n= 31	n= 3	n= 11	n= 2	n= 6	n= 9	
		Urban	8:30	8:10	7:40	8:40	12:40	7:10	7:10
			n= 147	n= 31	n= 48	n= 26	n= 28	n= 14	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	12:30	N/A	12:30	N/A	N/A	11:30	12:40
			n= 3	n= 0	n= 2	n= 0	n= 0	n= 1	
		Urban	11:40	13:10	7:50	13:00	10:30	8:50	12:20
			n= 24	n= 6	n= 4	n= 7	n= 5	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: Station 154

Station 154									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:14	2:47	2:10	2:05	2:11	2:07	1:00
			n= 539	n= 110	n= 106	n= 105	n= 119	n= 99	
Turnout			1:43	1:48	1:36	1:39	1:43	1:44	1:38
			n= 509	n= 93	n= 98	n= 105	n= 115	n= 98	
Travel Time	1st Due	Rural	5:40	6:00	4:30	4:50	4:20	5:20	5:32
			n= 95	n= 18	n= 12	n= 18	n= 29	n= 18	
		Urban	6:20	6:30	6:30	6:20	5:30	6:00	4:32
			n= 342	n= 79	n= 73	n= 66	n= 62	n= 62	
		Interstate	7:40	7:00	7:30	7:40	7:50	7:40	7:32
			n= 110	n= 18	n= 22	n= 22	n= 30	n= 18	
	ERF	Rural	7:40	6:00	N/A	11:20	7:40	7:10	10:02
			n= 11	n= 1	n= 0	n= 4	n= 4	n= 2	
		Urban	10:50	9:50	10:50	9:10	11:00	5:50	9:42
			n= 40	n= 11	n= 6	n= 11	n= 10	n= 2	
		Interstate	10:10	10:10	9:20	9:40	14:10	9:10	10:52
			n= 66	n= 13	n= 8	n= 14	n= 18	n= 13	
Total Response Time	1st Due	Rural	7:20	7:20	6:20	6:30	7:30	7:10	8:10
			n= 95	n= 18	n= 12	n= 18	n= 29	n= 18	
		Urban	8:40	9:00	8:40	9:40	7:50	7:40	7:10
			n= 342	n= 79	n= 73	n= 66	n= 62	n= 62	
		Interstate	10:30	14:20	9:20	10:10	12:10	9:50	10:10
			n= 112	n= 19	n= 22	n= 23	n= 30	n= 18	
	ERF	Rural	9:20	6:40	N/A	13:00	8:50	9:20	12:40
			n= 11	n= 1	n= 0	n= 4	n= 4	n= 2	
		Urban	12:40	11:50	13:10	11:20	12:40	7:30	12:20
			n= 40	n= 11	n= 6	n= 11	n= 10	n= 2	
		Interstate	13:00	12:40	11:20	12:20	15:10	11:10	13:30
			n= 66	n= 13	n= 8	n= 14	n= 18	n= 13	

EMS High Risk: Station 155

Station 155									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:18	1:40	1:22	2:46	3:01	2:26	1:00
			n= 222	n= 40	n= 55	n= 39	n= 33	n= 55	
Turnout			1:44	1:46	1:41	1:34	1:47	1:49	1:38
			n= 211	n= 34	n= 54	n= 38	n= 32	n= 53	
Travel Time	1st Due	Rural	6:40	5:40	7:00	6:00	6:10	8:20	5:32
			n= 58	n= 10	n= 15	n= 13	n= 12	n= 8	
		Urban	5:10	5:00	5:30	5:30	5:00	4:40	4:32
			n= 147	n= 30	n= 40	n= 27	n= 21	n= 29	
		Interstate	7:30	N/A	N/A	N/A	N/A	7:30	7:32
			n= 17	n= 0	n= 0	n= 0	n= 0	n= 17	
	ERF	Rural	7:30	N/A	6:40	7:30	7:00	7:10	10:02
			n= 4	n= 0	n= 1	n= 1	n= 1	n= 1	
		Urban	9:40	4:30	N/A	10:30	6:00	6:50	9:42
			n= 15	n= 2	n= 0	n= 4	n= 3	n= 6	
		Interstate	12:40	N/A	N/A	N/A	N/A	12:40	10:52
			n= 11	n= 0	n= 0	n= 0	n= 0	n= 11	
Total Response Time	1st Due	Rural	8:50	7:50	9:00	8:40	8:30	10:10	8:10
			n= 59	n= 10	n= 15	n= 13	n= 12	n= 9	
		Urban	7:10	7:20	7:10	6:40	7:00	7:10	7:10
			n= 148	n= 30	n= 40	n= 27	n= 22	n= 29	
		Interstate	10:20	N/A	N/A	N/A	N/A	10:20	10:10
			n= 17	n= 0	n= 0	n= 0	n= 0	n= 17	
	ERF	Rural	10:00	N/A	7:40	9:00	10:00	7:40	12:40
			n= 4	n= 0	n= 1	n= 1	n= 1	n= 1	
		Urban	11:10	6:30	N/A	11:50	8:00	9:20	12:20
			n= 15	n= 2	n= 0	n= 4	n= 3	n= 6	
		Interstate	14:30	N/A	N/A	N/A	N/A	14:30	13:30
			n= 11	n= 0	n= 0	n= 0	n= 0	n= 11	

EMS High Risk: Planning Zone 1

Planning Zone 1									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:45	3:04	2:29	3:10	2:41	2:19	1:00
			n= 395	n= 68	n= 87	n= 72	n= 77	n= 91	
Turnout			1:43	1:35	1:39	1:46	1:48	1:41	1:38
			n= 367	n= 55	n= 81	n= 66	n= 76	n= 89	
Travel Time	1st Due	Rural	4:30	5:20	4:30	5:20	4:30	4:20	5:32
			n= 103	n= 15	n= 25	n= 23	n= 15	n= 25	
		Urban	4:50	5:10	5:40	4:40	4:30	5:00	4:32
			n= 301	n= 57	n= 63	n= 51	n= 63	n= 67	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	11:20	6:30	4:50	12:40	5:30	16:40	10:02
			n= 20	n= 2	n= 2	n= 5	n= 7	n= 4	
		Urban	7:40	6:30	6:50	7:20	11:40	8:30	9:42
			n= 70	n= 13	n= 12	n= 9	n= 15	n= 21	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	7:00	7:00	6:50	7:00	7:40	6:00	8:10
			n= 103	n= 15	n= 25	n= 23	n= 15	n= 25	
		Urban	7:10	7:40	7:50	6:50	6:40	7:10	7:10
			n= 292	n= 57	n= 63	n= 51	n= 64	n= 57	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	12:40	7:20	7:30	15:00	9:20	18:20	12:40
			n= 20	n= 2	n= 2	n= 5	n= 7	n= 4	
		Urban	9:20	7:40	9:20	9:10	13:20	9:20	12:20
			n= 70	n= 13	n= 12	n= 9	n= 15	n= 21	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: Planning Zone 2

Planning Zone 2									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			3:14	1:47	3:28	3:16	3:46	3:14	1:00
			n= 29	n= 3	n= 4	n= 7	n= 7	n= 8	
Turnout			1:43	1:39	1:43	1:43	2:03	1:44	1:38
			n= 29	n= 3	n= 4	n= 7	n= 7	n= 8	
Travel Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	5:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	5:20	4:10	4:40	6:00	6:40	5:20	4:32
			n= 29	n= 3	n= 4	n= 7	n= 7	n= 8	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	6:40	2:50	N/A	N/A	3:10	6:40	9:42
			n= 4	n= 1	n= 0	n= 0	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	8:00	6:30	7:40	7:40	8:50	8:30	7:10
			n= 29	n= 3	n= 4	n= 7	n= 7	n= 8	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	12:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	9:00	4:40	N/A	N/A	6:00	9:00	12:20
			n= 4	n= 1	n= 0	n= 0	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: Planning Zone 3

Planning Zone 3									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:26	3:18	3:21	1:47	2:06	2:08	1:00
			n= 149	n= 32	n= 44	n= 24	n= 32	n= 17	
Turnout			1:42	1:55	1:32	1:36	1:27	1:51	1:38
			n= 140	n= 30	n= 40	n= 23	n= 30	n= 17	
Travel Time	1st Due	Rural	6:50	5:20	5:20	5:50	6:50	6:50	5:32
			n= 18	n= 2	n= 4	n= 1	n= 5	n= 6	
		Urban	6:10	5:20	5:00	6:10	9:40	4:50	4:32
			n= 132	n= 29	n= 41	n= 23	n= 27	n= 12	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	8:40	N/A	7:50	N/A	N/A	8:40	10:02
			n= 3	n= 0	n= 2	n= 0	n= 0	n= 1	
		Urban	9:40	10:30	6:40	11:10	8:40	5:40	9:42
			n= 20	n= 6	n= 3	n= 6	n= 4	n= 1	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	10:30	7:30	12:20	10:00	9:10	10:50	8:10
			n= 15	n= 2	n= 4	n= 1	n= 2	n= 6	
		Urban	8:40	8:10	7:40	8:40	12:40	7:00	7:10
			n= 133	n= 30	n= 41	n= 23	n= 27	n= 12	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	12:30	N/A	12:03	N/A	N/A	11:30	12:40
			n= 3	n= 0	n= 2	n= 0	n= 0	n= 1	
		Urban	11:40	13:10	7:50	13:00	10:30	6:50	12:20
			n= 20	n= 6	n= 3	n= 6	n= 4	n= 1	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: Planning Zone 4

Planning Zone 4									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:22	1:50	2:04	1:52	2:23	2:03	1:00
			n= 339	n= 69	n= 62	n= 73	n= 75	n= 60	
Turnout			1:36	1:59	1:29	1:27	1:32	1:37	1:38
			n= 318	n= 57	n= 58	n= 73	n= 71	n= 59	
Travel Time	1st Due	Rural	4:50	6:00	4:30	4:50	4:20	5:20	5:32
			n= 95	n= 18	n= 12	n= 18	n= 29	n= 18	
		Urban	6:30	6:50	6:30	6:02	6:30	5:40	4:32
			n= 243	n= 54	n= 51	n= 48	n= 47	n= 43	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	7:40	6:00	N/A	11:20	7:40	7:10	10:02
			n= 11	n= 1	n= 0	n= 4	n= 4	n= 2	
		Urban	10:50	12:50	10:50	12:30	11:00	5:50	9:42
			n= 32	n= 8	n= 6	n= 9	n= 7	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	7:20	7:20	6:20	6:30	7:30	7:10	8:10
			n= 95	n= 18	n= 12	n= 18	n= 29	n= 18	
		Urban	8:40	9:40	8:30	10:00	8:30	7:40	7:10
			n= 252	n= 54	n= 51	n= 57	n= 47	n= 43	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	9:20	6:40	N/A	13:00	8:50	9:20	12:40
			n= 11	n= 1	n= 0	n= 4	n= 4	n= 2	
		Urban	12:40	16:00	13:10	14:10	12:40	7:30	12:20
			n= 32	n= 8	n= 6	n= 9	n= 7	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: Planning Zone 5

Planning Zone 5									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:18	1:40	1:22	2:46	3:01	2:49	1:00
			n= 205	n= 40	n= 55	n= 39	n= 33	n= 38	
Turnout			1:44	1:46	1:41	1:34	1:47	1:48	1:38
			n= 194	n= 34	n= 54	n= 38	n= 32	n= 36	
Travel Time	1st Due	Rural	6:40	5:40	7:00	6:00	6:10	8:20	5:32
			n= 58	n= 10	n= 15	n= 13	n= 12	n= 8	
		Urban	5:10	5:00	5:30	5:30	5:00	5:40	4:32
			n= 147	n= 30	n= 40	n= 27	n= 21	n= 29	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	7:30	N/A	6:40	7:30	7:00	7:10	10:02
			n= 4	n= 0	n= 1	n= 1	n= 1	n= 1	
		Urban	9:40	4:30	N/A	10:30	6:50	6:50	9:42
			n= 15	n= 2	n= 0	n= 4	n= 3	n= 6	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	8:50	7:50	9:00	8:40	8:30	10:10	8:10
			n= 59	n= 10	n= 15	n= 13	n= 12	n= 9	
		Urban	7:10	7:20	7:10	6:40	7:10	7:10	7:10
			n= 148	n= 30	n= 40	n= 27	n= 22	n= 29	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	10:00	N/A	7:40	9:00	10:00	7:40	12:40
			n= 4	n= 0	n= 1	n= 1	n= 1	n= 1	
		Urban	11:10	6:30	N/A	11:50	8:00	9:20	12:20
			n= 15	n= 2	n= 0	n= 4	n= 3	n= 6	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: Planning Zone 6

Planning Zone 6									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:45	1:14	2:52	1:08	1:40	0:58	1:00
			n= 26	n= 2	n= 14	n= 3	n= 3	n= 4	
Turnout			1:38	1:17	1:43	1:12	1:10	1:25	1:38
			n= 25	n= 2	n= 13	n= 3	n= 3	n= 4	
Travel Time	1st Due	Rural	10:40	4:10	11:20	10:10	5:40	7:10	5:32
			n= 12	n= 1	n= 7	n= 1	n= 1	n= 2	
		Urban	6:50	5:50	6:50	6:10	10:30	6:10	4:32
			n= 15	n= 1	n= 7	n= 3	n= 2	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	8:10	N/A	5:00	6:00	8:10	6:50	9:42
			n= 4	n= 0	n= 1	n= 1	n= 1	n= 1	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	12:50	6:30	14:00	12:50	8:30	9:00	8:10
			n= 12	n= 1	n= 7	n= 1	n= 1	n= 2	
		Urban	8:20	7:50	8:30	7:20	8:00	8:10	7:10
			n= 14	n= 1	n= 7	n= 3	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	12:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	9:30	N/A	7:40	7:40	9:30	8:50	12:20
			n= 4	n= 0	n= 1	n= 1	n= 1	n= 1	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: Planning Zone 7

Planning Zone 7									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:21	2:39	2:21	1:57	2:45	1:48	1:00
			n= 81	n= 24	n= 25	n= 16	n= 12	n= 4	
Turnout			1:34	1:22	1:34	1:54	1:27	2:48	1:38
			n= 79	n= 23	n= 24	n= 17	n= 12	n= 3	
Travel Time	1st Due	Rural	8:40	7:40	11:00	7:10	7:30	8:00	5:32
			n= 57	n= 16	n= 15	n= 12	n= 10	n= 4	
		Urban	6:10	7:10	5:30	4:20	4:30	N/A	4:32
			n= 25	n= 7	n= 10	n= 6	n= 2	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	10:50	9:10	9:40	10:50	14:20	N/A	10:02
			n= 15	n= 2	n= 6	n= 4	n= 3	n= 0	
		Urban	9:20	N/A	N/A	9:20	N/A		9:42
			n= 4	n= 0	n= 0	n= 4	n= 0	n=	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	11:00	10:10	12:40	13:00	9:50	10:50	8:10
			n= 58	n= 17	n= 15	n= 12	n= 10	n= 4	
		Urban	8:00	11:40	7:00	6:40	6:40	N/A	7:10
			n= 26	n= 8	n= 10	n= 6	n= 2	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	14:10	12:50	11:40	13:40	16:10	N/A	12:40
			n= 12	n= 2	n= 3	n= 4	n= 3	n= 0	
		Urban	12:10	N/A	N/A	12:10	N/A	N/A	12:20
			n= 4	n= 0	n= 0	n= 4	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: Planning Zone 8

Planning Zone 8									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			4:00	N/A	4:00	N/A	1:06	N/A	1:00
			n= 5	n= 0	n= 2	n= 0	n= 3	n= 0	
Turnout			1:52	N/A	0:45	N/A	1:52	N/A	1:38
			n= 4	n= 0	n= 1	n= 0	n= 3	n= 0	
Travel Time	1st Due	Rural	11:20	N/A	8:00	N/A	11:20	N/A	5:32
			n= 5	n= 0	n= 2	n= 0	n= 3	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	4:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	7:50	N/A	N/A	N/A	7:50	N/A	10:02
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	9:42
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	13:20	N/A	9:10	N/A	13:20	N/A	8:10
			n= 5	n= 0	n= 2	n= 0	n= 3	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	7:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	10:00	N/A	N/A	N/A	10:00	N/A	12:40
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	12:20
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: Planning Zone 9

Planning Zone 9									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:34	3:05	2:21	1:06	2:51	2:34	1:00
			n= 117	n= 30	n= 33	n= 14	n= 21	n= 19	
Turnout			1:38	1:39	1:45	1:36	1:42	1:19	1:38
			n= 105	n= 22	n= 32	n= 13	n= 20	n= 18	
Travel Time	1st Due	Rural	4:30	N/A	N/A	N/A	4:30	N/A	5:32
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	
		Urban	5:20	4:50	6:00	4:40	5:00	6:30	4:32
			n= 116	n= 30	n= 33	n= 13	n= 21	n= 19	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	5:50	N/A	N/A	N/A	5:50	N/A	10:02
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	
		Urban	10:10	7:10	N/A	8:50	15:30	N/A	9:42
			n= 12	n= 4	n= 0	n= 3	n= 5	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	6:40	N/A	N/A	N/A	6:40	N/A	8:10
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	
		Urban	8:10	8:20	8:40	6:40	7:40	9:10	7:10
			n= 118	n= 31	n= 33	n= 14	n= 21	n= 19	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	7:50	N/A	N/A	N/A	7:50	N/A	12:40
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	
		Urban	11:50	9:10	N/A	11:00	16:50	N/A	12:20
			n= 12	n= 4	n= 0	n= 3	n= 5	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

EMS High Risk: Planning Zone Interstate

Planning Zone Interstate									
EMS: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:00	2:05	2:07	2:03	1:41	1:51	1:00
			n= 562	n= 95	n= 83	n= 119	n= 117	n= 148	
Turnout			1:55	1:47	1:56	1:52	1:59	1:58	1:38
			n= 556	n= 91	n= 76	n= 121	n= 120	n= 148	
Travel Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	5:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	4:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	7:40	6:00	7:30	8:00	8:40	8:00	7:32
			n= 565	n= 93	n= 83	n= 118	n= 122	n= 149	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	9:42
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	11:30	9:50	10:00	13:20	12:20	10:30	10:52
			n= 335	n= 70	n= 54	n= 63	n= 79	n= 69	
Total Response Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	7:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	11:00	8:50	10:00	11:20	11:20	11:10	10:10
			n= 574	n= 97	n= 84	n= 121	n= 123	n= 149	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	12:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	12:20
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	13:50	12:20	12:10	15:10	14:00	13:30	13:30
			n= 362	n= 70	n= 54	n= 63	n= 79	n= 96	

Appendix E: Fire Suppression Data Tables

The following data tables detail the department's fire suppression performance from 2017 - 2021 against adopted standards by risk level (low, moderate, and high) and three different planning levels;

- Low Risk:
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)

    NOTE: Insufficient data planning zone analysis
- Moderate Risk:
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)

    NOTE: Insufficient data planning zone analysis
- High Risk:
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)

    NOTE: Insufficient data planning zone analysis

Fire: Low Risk CRFD

CRFD									
Fire: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing		Rural	1:30	1:41	1:29	1:42	1:15	1:23	1:00
		Urban	1:44	1:59	2:12	1:29	1:24	1:42	
		Interstate	1:40	1:37	1:40	1:24	1:44	3:16	
Turnout		Rural	2:01	1:49	2:08	2:02	2:00	2:06	1:38
		Urban	2:02	1:59	2:08	2:04	2:00	2:01	
		Interstate	1:45	2:49	2:21	1:41	1:45	2:39	
Travel Time	1st Due	Rural	7:20	7:10	9:50	7:20	7:40	7:10	5:32
		Urban	6:50	7:00	7:00	6:50	6:30	6:30	4:32
		Interstate	6:40	6:40	6:40	8:10	7:30	9:20	7:32
	ERF	Rural	10:40	10:40	10:30	13:20	10:30	9:50	9:42
		Urban	10:20	10:20	10:30	9:50	10:20	10:20	9:22
		Interstate	10:50	6:50	12:00	6:50	10:00	10:30	10:22
Total Response Time	1st Due	Rural	9:50	10:00	11:50	10:50	9:50	9:40	8:10
			n= 334	n= 66	n= 57	n= 73	n= 66	n= 72	
		Urban	9:30	9:50	9:30	9:30	9:00	9:30	7:10
			n= 955	n= 196	n= 208	n= 182	n= 182	n= 187	
		Interstate	9:20	8:50	8:40	11:20	9:20	12:40	10:10
			n= 30	n= 6	n= 6	n= 3	n= 9	n= 6	
	ERF	Rural	12:20	12:50	13:20	15:30	12:40	12:50	12:20
			n= 46	n= 13	n= 5	n= 13	n= 5	n= 10	
		Urban	12:50	13:20	12:50	12:20	11:10	12:50	12:00
			n= 125	n= 23	n= 31	n= 24	n= 27	n= 20	
		Interstate	13:30	9:00	14:20	7:40	12:00	13:30	13:00
			n= 13	n= 2	n= 5	n= 1	n= 3	n= 2	

Fire: Low Risk Station 151

Station 151									
Fire: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:45	2:18	1:43	1:35	1:22	2:13	1:00
			n= 412	n= 84	n= 73	n= 76	n= 97	n= 82	
Turnout			2:04	2:02	2:07	2:02	1:58	2:08	1:38
			n= 406	n= 79	n= 72	n= 77	n= 96	n= 82	
Travel Time	1st Due	Rural	5:50	5:40	6:40	4:30	5:00	6:40	5:32
			n= 86	n= 16	n= 15	n= 17	n= 19	n= 19	
		Urban	6:10	6:40	6:00	5:40	6:30	6:40	4:32
			n= 298	n= 53	n= 57	n= 59	n= 70	n= 59	
		Interstate	8:10	6:40	5:20	8:10	7:30	9:20	7:32
			n= 17	n= 4	n= 1	n= 1	n= 6	n= 5	
	ERF	Rural	8:10	7:10	9:00	4:40	N/A	8:10	9:42
			n= 13	n= 4	n= 3	n= 2	n= 0	n= 4	
		Urban	10:50	9:00	10:30	10:50	18:40	13:10	9:22
			n= 47	n= 13	n= 11	n= 7	n= 9	n= 7	
		Interstate	10:40	6:50	10:40	N/A	10:00	10:30	10:22
			n= 7	n= 2	n= 1	n= 0	n= 3	n= 1	
Total Response Time	1st Due	Rural	8:20	8:20	9:00	7:20	7:30	11:00	8:10
			n= 86	n= 16	n= 15	n= 17	n= 19	n= 19	
		Urban	9:00	9:40	9:00	8:00	8:40	9:40	7:10
			n= 310	n= 66	n= 57	n= 59	n= 70	n= 58	
		Interstate	11:20	8:50	6:30	11:20	9:20	12:40	10:10
			n= 17	n= 4	n= 1	n= 1	n= 6	n= 5	
	ERF	Rural	11:00	8:40	11:40	7:10	N/A	11:00	12:20
			n= 13	n= 4	n= 3	n= 2	n= 0	n= 4	
		Urban	13:10	11:30	12:40	13:40	21:00	15:10	12:00
			n= 47	n= 13	n= 11	n= 7	n= 9	n= 7	
		Interstate	13:30	N/A	11:50	N/A	12:00	13:30	13:00
			n= 5	n= 0	n= 1	n= 0	n= 3	n= 1	
If Incident count (n=) is less than 10, a maximum time is reported									

Fire: Low Risk Station 152

Station 152									
Fire: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:19	2:19	2:38	2:27	1:29	N/A	1:00
			n= 61	n= 19	n= 18	n= 14	n= 10	n= 0	
Turnout			2:01	1:43	2:11	1:17	2:00	N/A	1:38
			n= 57	n= 15	n= 18	n= 14	n= 10	n= 0	
Travel Time	1st Due	Rural	9:40	8:50	13:50	8:50	9:40	N/A	5:32
			n= 39	n= 12	n= 7	n= 11	n= 9	n= 0	
		Urban	6:30	9:20	5:50	5:10	N/A	N/A	4:32
			n= 15	n= 4	n= 10	n= 1	n= 0	n= 0	
		Interstate	4:30	3:50	3:30	2:40	4:30	N/A	7:32
			n= 5	n= 1	n= 2	n= 1	n= 1	n= 0	
	ERF	Rural	20:20	14:30	N/A	20:20	10:30	N/A	9:42
			n= 6	n= 2	n= 0	n= 3	n= 1	n= 0	
		Urban	13:20	N/A	13:20	N/A	N/A	N/A	9:22
			n= 3	n= 0	n= 3	n= 0	n= 0	n= 0	
		Interstate	10:50	N/A	10:50	N/A	N/A	N/A	10:22
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	12:40	10:50	16:30	14:10	12:50	N/A	8:10
			n= 42	n= 14	n= 7	n= 12	n= 9	n= 0	
		Urban	10:40	12:00	9:00	7:20	N/A	N/A	7:10
			n= 15	n= 4	n= 10	n= 1	n= 0	n= 0	
		Interstate	8:20	8:20	5:50	4:00	7:20	N/A	10:10
			n= 5	n= 1	n= 2	n= 1	n= 1	n= 0	
	ERF	Rural	23:20	16:30	N/A	23:20	12:40	N/A	12:20
			n= 6	n= 2	n= 0	n= 3	n= 1	n= 0	
		Urban	16:10	N/A	16:10	N/A	N/A	N/A	12:00
			n= 3	n= 0	n= 3	n= 0	n= 0	n= 0	
		Interstate	13:00	N/A	13:00	N/A	N/A	N/A	13:00
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported									

Fire: Low Risk Station 153

Station 153									
Fire: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:46	1:41	1:51	1:58	1:46	1:40	1:00
			n= 156	n= 33	n= 28	n= 34	n= 27	n= 34	
Turnout			2:01	1:52	2:24	2:03	1:49	1:55	1:38
			n= 144	n= 27	n= 28	n= 31	n= 26	n= 32	
Travel Time	1st Due	Rural	10:10	7:10	11:40	12:20	9:20	8:20	5:32
			n= 36	n= 6	n= 4	n= 8	n= 7	n= 11	
		Urban	7:30	7:10	7:20	8:50	7:00	6:10	4:32
			n= 114	n= 22	n= 24	n= 26	n= 20	n= 22	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	11:20	10:40	10:30	10:20	9:10	11:20	9:42
			n= 9	n= 3	n= 1	n= 1	n= 2	n= 2	
		Urban	9:50	N/A	7:40	12:00	6:20	9:50	9:22
			n= 13	n= 0	n= 2	n= 6	n= 1	n= 4	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	11:40	10:00	14:50	15:20	11:40	11:30	8:10
			n= 39	n= 9	n= 4	n= 8	n= 7	n= 11	
		Urban	10:00	9:50	9:30	10:20	9:40	10:40	7:10
			n= 117	n= 24	n= 24	n= 27	n= 20	n= 22	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	13:20	11:50	13:20	12:20	11:10	13:20	12:20
			n= 12	n= 6	n= 1	n= 1	n= 2	n= 2	
		Urban	14:00	N/A	10:10	15:00	8:00	14:00	12:00
			n= 13	n= 0	n= 2	n= 6	n= 1	n= 4	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported									

Fire: Low Risk Station 154

Station 154									
Fire: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:39	1:41	2:11	1:27	1:23	1:30	1:00
			n= 478	n= 95	n= 103	n= 87	n= 89	n= 104	
Turnout			2:00	1:55	1:58	1:50	2:04	2:05	1:38
			n= 464	n= 86	n= 98	n= 87	n= 89	n= 104	
Travel Time	1st Due	Rural	5:40	6:30	5:40	5:40	5:00	5:20	5:32
			n= 123	n= 17	n= 15	n= 33	n= 20	n= 38	
		Urban	7:00	6:30	7:30	7:20	6:20	6:50	4:32
			n= 339	n= 73	n= 83	n= 51	n= 67	n= 65	
		Interstate	6:40	N/A	6:40	6:10	6:00	4:10	7:32
			n= 7	n= 0	n= 3	n= 1	n= 2	n= 1	
	ERF	Rural	8:50	N/A	5:00	13:20	8:50	7:00	9:42
			n= 14	n= 0	n= 1	n= 6	n= 1	n= 6	
		Urban	10:20	10:40	9:40	7:30	10:20	9:20	9:22
			n= 37	n= 9	n= 1	n= 7	n= 13	n= 7	
		Interstate	12:00	N/A	12:00	6:50	N/A	6:00	10:22
			n= 5	n= 0	n= 3	n= 1	n= 0	n= 1	
Total Response Time	1st Due	Rural	8:10	8:40	7:50	8:30	8:00	7:50	8:10
			n= 124	n= 18	n= 15	n= 33	n= 20	n= 38	
		Urban	10:00	9:20	10:10	10:20	9:10	10:00	7:10
			n= 344	n= 77	n= 83	n= 52	n= 67	n= 65	
		Interstate	8:40	5:10	8:40	7:10	8:10	6:10	10:10
			n= 8	n= 1	n= 3	n= 1	n= 2	n= 1	
	ERF	Rural	10:20	N/A	7:40	16:30	10:20	8:50	12:20
			n= 12	n= 0	n= 1	n= 6	n= 1	n= 4	
		Urban	13:00	17:30	12:50	11:30	11:10	11:40	12:00
			n= 47	n= 9	n= 11	n= 7	n= 13	n= 7	
		Interstate	14:20	N/A	14:20	7:40	N/A	7:30	13:00
			n= 5	n= 0	n= 3	n= 1	n= 0	n= 1	
If Incident count (n=) is less than 10, a maximum time is reported									

Fire: Low Risk Station 155

Station 155									
Fire Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:32	2:14	1:54	1:19	1:09	1:32	1:00
			n= 202	n= 33	n= 40	n= 46	n= 36	n= 47	
Turnout			2:02	1:57	2:01	2:09	1:48	2:00	1:38
			n= 199	n= 32	n= 38	n= 46	n= 36	n= 47	
Travel Time	1st Due	Rural	7:10	12:20	6:00	6:20	6:30	7:10	5:32
			n= 33	n= 9	n= 6	n= 3	n= 11	n= 4	
		Urban	6:10	7:10	6:30	5:30	6:10	5:30	4:32
			n= 169	n= 24	n= 34	n= 43	n= 26	n= 42	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	9:30	N/A	N/A	5:40	9:30	N/A	9:42
			n= 2	n= 0	n= 0	n= 1	n= 1	n= 0	
		Urban	9:20	3:40	7:00	9:20	9:40	5:40	9:22
			n= 15	n= 1	n= 4	n= 4	n= 4	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	9:40	15:30	9:00	9:40	8:20	9:40	8:10
			n= 33	n= 9	n= 6	n= 3	n= 11	n= 4	
		Urban	8:50	10:10	9:20	8:00	8:00	8:40	7:10
			n= 170	n= 25	n= 34	n= 43	n= 25	n= 43	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	12:10	N/A	N/A	8:20	12:10	N/A	12:20
			n= 2	n= 0	n= 0	n= 1	n= 1	n= 0	
		Urban	10:50	6:10	9:30	12:00	10:50	8:30	12:00
			n= 15	n= 1	n= 4	n= 4	n= 4	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported									

Fire: Moderate Risk CRFD

CRFD										
Fire: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017* Nov - Dec	2017* Jan - Oct	Benchmark
Call Processing		Rural	1:22	2:45	0:34	1:22	0:48	0:55		1:00
		Urban	1:34	2:16	1:36	1:02	1:34	1:49		
Turnout		Rural	1:45	1:44	1:04	1:54	1:29	1:45		1:38
		Urban	2:09	1:47	2:05	1:49	3:08	2:02		
Travel Time	1st Due	Rural	7:40	7:30	6:20	6:00	6:00	7:40		5:32
		Urban	5:40	5:40	5:10	4:50	4:50	5:10		4:32
	ERF	Rural	13:40	N/A	N/A	N/A	13:40	N/A	N/A	11:22
		Urban	14:40	13:30	16:00	14:40	17:40	11:10	17:00	9:22
Total Response Time	1st Due	Rural	10:00	9:50	8:10	8:20	12:10	10:00		8:10
			n= 15	n= 5	n= 1	n= 2	n= 3	n= 4		
		Urban	8:00	7:40	7:40	9:30	8:20	8:00		7:10
			n= 75	n= 15	n= 17	n= 11	n= 17	n= 15		
	ERF	Rural	15:20	N/A	N/A	N/A	15:20	N/A	N/A	14:00
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	n= 0	
		Urban	16:50	15:30	17:50	16:50	19:30	12:30	18:50	12:00
			n= 22	n= 6	n= 5	n= 2	n= 5	n= 4	n= 1	
If Incident count (n=) is less than 10, a maximum time is reported										
Note*: November 1, 2017 response plans were updated to include an additional (3rd) engine company to fulfill the RIT function										

Fire: Moderate Risk Station 151

Station 151									
Fire: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017[1] Jan - Jun	Benchmark
Call Processing			1:34	2:47	1:01	1:22	1:34	1:49		1:00
			n= 23	n= 5	n= 1	n= 3	n= 6	n= 8		
Turnout			2:01	1:29	1:14	2:31	2:21	1:45		1:38
			n= 23	n= 5	n= 1	n= 3	n= 6	n= 8		
Travel Time	1st Due	Rural	7:40	7:30	N/A	N/A	6:50	7:40		5:32
			n= 5	n= 1	n= 0	n= 0	n= 1	n= 3		
		Urban	5:20	5:00	2:30	3:40	5:20	5:40		4:32
			n= 17	n= 4	n= 1	n= 2	n= 5	n= 5		
	ERF	Rural	13:40	N/A	N/A	N/A	13:40	N/A	N/A	11:22
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	n= 0	
		Urban	12:50	10:00	8:40	9:20	12:50	11:10	N/A	9:22
			n= 6	n= 1	n= 1	n= 1	n= 2	n= 1	n= 0	
Total Response Time	1st Due	Rural	10:00	9:50	N/A	N/A	8:20	10:00		8:10
			n= 5	n= 1	n= 0	n= 0	n= 1	n= 3		
		Urban	8:00	7:30	4:50	6:00	8:20	8:00		7:10
			n= 17	n= 4	n= 1	n= 2	n= 5	n= 5		
	ERF	Rural	15:20	N/A	N/A	N/A	15:20	N/A	N/A	14:00
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	n= 0	
		Urban	14:50	11:20	10:30	11:10	14:50	12:20	N/A	12:00
			n= 6	n= 1	n= 1	n= 1	n= 2	n= 1	n= 0	

Note 1: 7/1/2017 response plans were updated to include an additional (3rd) engine company to fulfill the RIT function

If Incident count (n=) is less than 10, a maximum time is reported

Fire: Moderate Risk Station 152

Station 152									
Fire: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017[1] Jan - Jun	Benchmark
Call Processing			2:45	2:45	0:35	0:57	0:48	N/A		1:00
			n= 8	n= 4	n= 2	n= 1	n= 1	n= 0		
Turnout			3:00	3:00	1:10	1:54	1:29	N/A		1:38
			n= 8	n= 4	n= 2	n= 1	n= 1	n= 0		
Travel Time	1st Due	Rural	6:20	5:30	6:20	6:20	3:00	N/A		5:32
			n= 5	n= 2	n= 1	n= 1	n= 1	n= 0		
		Urban	3:00	3:00	2:50	N/A	N/A	N/A		4:32
			n= 3	n= 2	n= 1	n= 0	n= 0	n= 0		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	13:30	13:30	N/A	N/A	N/A	N/A	N/A	9:22
			n= 2	n= 2	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	9:40	9:40	8:10	8:20	5:10	N/A		8:10
			n= 5	n= 2	n= 1	n= 1	n= 1	n= 0		
		Urban	5:20	5:40	4:30	N/A	N/A	N/A		7:10
			n= 3	n= 2	n= 1	n= 0	n= 0	n= 0		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	15:50	15:50	N/A	N/A	N/A	N/A	N/A	12:00
			n= 2	n= 2	n= 0	n= 0	n= 0	n= 0	n= 0	
Note 1: 7/1/2017 response plans were updated to include an additional (3rd) engine company to fulfill the RIT function										
If Incident count (n=) is less than 10, a maximum time is reported										

Fire: Moderate Risk Station 153

Station 153										
Fire: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017[1] Jan - Jun	Benchmark
Call Processing			1:14	1:14	2:09	0:43	1:02	1:58		1:00
			n= 24	n= 3	n= 5	n= 3	n= 9	n= 4		
Turnout			2:38	1:29	2:04	1:42	3:23	2:09		1:38
			n= 24	n= 3	n= 5	n= 3	n= 9	n= 4		
Travel Time	1st Due	Rural	11:00	N/A	N/A	N/A	11:00	N/A		5:32
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0		
		Urban	5:30	5:40	5:30	4:20	6:50	4:40		4:32
			n= 23	n= 3	n= 5	n= 3	n= 8	n= 4		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	17:40	12:10	16:00	10:40	17:40	N/A	N/A	9:22
			n= 7	n= 1	n= 3	n= 1	n= 2	n= 0	n= 0	
Total Response Time	1st Due	Rural	12:10	N/A	N/A	N/A	12:10	N/A		8:10
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0		
		Urban	7:40	7:40	8:20	6:30	9:00	7:40		7:10
			n= 23	n= 3	n= 5	n= 3	n= 8	n= 4		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	19:30	14:10	17:50	11:50	19:30	N/A	N/A	12:00
			n= 7	n= 1	n= 3	n= 1	n= 2	n= 0	n= 0	
Note 1: 7/1/2017 response plans were updated to include an additional (3rd) engine company to fulfill the RIT function										
If Incident count (n=) is less than 10, a maximum time is reported										

Fire: Moderate Risk Station 154

Station 154										
Fire: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017[1] Jan - Jun	Benchmark
Call Processing			1:36	2:16	1:28	1:16	1:38	1:36		1:00
			n= 26	n= 5	n= 7	n= 4	n= 5	n= 5		
Turnout			1:53	1:36	3:04	1:26	1:53	1:37		1:38
			n= 25	n= 4	n= 7	n= 4	n= 5	n= 5		
Travel Time	1st Due	Rural	4:40	4:40	N/A	N/A	N/A	N/A		5:32
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0		
		Urban	9:10	6:10	3:50	9:10	13:10	5:40		4:32
			n= 25	n= 4	n= 7	n= 4	n= 5	n= 5		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	11:00	8:40	11:00	N/A	10:40	10:40	N/A	9:22
			n= 4	n= 1	n= 1	n= 0	n= 1	n= 1	n= 0	
Total Response Time	1st Due	Rural	7:00	7:00	N/A	N/A	N/A	N/A		8:10
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0		
		Urban	8:20	8:20	7:40	11:20	7:00	12:40		7:10
			n= 23	n= 4	n= 7	n= 4	n= 3	n= 5		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	12:50	10:40	12:50	N/A	12:30	12:30	N/A	12:00
			n= 4	n= 1	n= 1	n= 0	n= 1	n= 1	n= 0	
Note 1: 7/1/2017 response plans were updated to include an additional (3rd) engine company to fulfill the RIT function										
If Incident count (n=) is less than 10, a maximum time is reported										

Fire: Moderate Risk Station 155

Station 155									
Fire: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017[1] Jan - Jun	Benchmark
Call Processing			1:25	1:25	1:36	0:58	0:33	0:55		1:00
			n= 11	n= 3	n= 3	n= 2	n= 1	n= 2		
Turnout			1:44	1:44	1:29	1:13	1:06	1:44		1:38
			n= 11	n= 3	n= 3	n= 2	n= 1	n= 2		
Travel Time	1st Due	Rural	5:10	5:10	N/A	N/A	N/A	2:40		5:32
			n= 2	n= 1	n= 0	n= 0	n= 0	n= 1		
		Urban	7:20	5:10	5:10	7:20	4:40	4:20		4:32
			n= 9	n= 2	n= 3	n= 2	n= 1	n= 1		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	14:40	12:30	N/A	14:40	N/A	N/A	N/A	9:22
			n= 2	n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	7:10	7:10	N/A	N/A	N/A	5:20		8:10
			n= 2	n= 1	n= 0	n= 0	n= 0	n= 1		
		Urban	9:30	7:30	7:40	9:30	6:10	6:40		7:10
			n= 9	n= 2	n= 3	n= 2	n= 1	n= 1		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	16:50	14:30	N/A	16:50	N/A	N/A	N/A	12:00
			n= 2	n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
Note 1: 7/1/2017 response plans were updated to include an additional (3rd) engine company to fulfill the RIT function										
If Incident count (n=) is less than 10, a maximum time is reported										

Fire: High Risk CRFD

CRFD										
Fire: High Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017 Jan - Jun	Benchmark
Call Processing		Rural	2:12	1:17	1:12	0:55	0:41	1:10		1:00
		Urban	1:30	1:19	1:54	2:55	1:30	1:05		
Turnout		Rural	1:52	1:29	0:59	1:13	1:33	1:52		1:38
		Urban	1:57	1:33	1:30	2:38	1:46	2:08		
Travel Time	1st Due	Rural	5:00	4:30	3:10	4:50	3:50	5:00		5:32
		Urban	5:20	4:50	4:30	8:20	5:00	6:10		4:32
	ERF	Rural	9:20	N/A	N/A	N/A	N/A	N/A	N/A	11:22
		Urban	14:50	9:10	14:50	9:30	12:10	14:50	11:30	13:42
Total Response Time	1st Due	Rural	9:20	6:40	6:20	9:20	6:00	8:00		8:10
			n= 7	n= 2	n= 2	n= 1	n= 1	n= 1		
		Urban	8:30	7:30	7:40	10:40	7:40	8:30		7:10
			n= 43	n= 11	n= 5	n= 7	n= 12	n= 8		
	ERF	Rural	11:40	11:40	N/A	N/A	N/A	N/A	N/A	14:00
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	16:30	10:30	16:30	10:30	14:20	16:40	13:40	16:20
			n= 9	n= 1	n= 2	n= 1	n= 5	n= 2	n= 2	
If Incident count (n=) is less than 10, a maximum time is reported										
Note 1: ERF increased on 7/1/2017 adding an additional engine company to perform the RIT role as part of the initial alarm										

Fire: High Risk Station 151

Station 151										
Fire: High Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017 Jan - Jun	Benchmark
Call Processing			1:35	1:29	1:54	2:55	1:35	1:04		1:00
			n= 23	n= 6	n= 5	n= 4	n= 5	n= 3		
Turnout			1:57	2:48	1:30	2:38	1:57	1:36		1:38
			n= 23	n= 5	n= 5	n= 4	n= 5	n= 4		
Travel Time	1st Due	Rural	4:50	N/A	2:00	4:50	N/A	N/A		5:32
			n= 2	n= 0	n= 1	n= 1	n= 0	n= 0		
		Urban	4:50	5:20	4:30	4:40	4:50	5:50		4:32
			n= 21	n= 5	n= 4	n= 3	n= 5	n= 4		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	11:50	9:10	9:20	N/A	11:50	N/A	N/A	13:42
			n= 5	n= 1	n= 1	n= 0	n= 3	n= 0	n= 0	
Total Response Time	1st Due	Rural	9:20	N/A	4:20	9:20	N/A	N/A		8:10
			n= 2	n= 0	n= 1	n= 1	n= 0	n= 0		
		Urban	7:40	8:10	7:40	9:20	7:40	7:40		7:10
			n= 22	n= 6	n= 4	n= 3	n= 5	n= 4		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	14:10	10:30	14:10	N/A	14:10	N/A	N/A	16:20
			n= 8	n= 1	n= 4	n= 0	n= 3	n= 0	n= 0	
Note 1: ERF increased on 7/1/2017 adding an additional engine company to perform the RIT role as part of the initial alarm										
If Incident count (n=) is less than 10, a maximum time is reported										

Fire: High Risk Station 152

Station 152										
Fire: High Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017 Jan - Jun	Benchmark
Call Processing			N/A	N/A	N/A	N/A	N/A	N/A		1:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
Turnout			N/A	N/A	N/A	N/A	N/A	N/A		1:38
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
Travel Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A		5:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
		Urban	N/A	N/A	N/A	N/A	N/A	N/A		4:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13:42
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A		8:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
		Urban	N/A	N/A	N/A	N/A	N/A	N/A		7:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16:20
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Note 1: ERF increased on 7/1/2017 adding an additional engine company to perform the RIT role as part of the initial alarm										
If Incident count (n=) is less than 10, a maximum time is reported										

Fire: High Risk Station 153

Station 153										
Fire: High Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017 Jan - Jun	Benchmark
Call Processing			N/A	N/A	N/A	N/A	N/A	N/A		1:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
Turnout			N/A	N/A	N/A	N/A	N/A	N/A		1:38
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
Travel Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A		5:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
		Urban	N/A	N/A	N/A	N/A	N/A	N/A		4:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13:42
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A		8:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
		Urban	N/A	N/A	N/A	N/A	N/A	N/A		7:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16:20
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Note 1: ERF increased on 7/1/2017 adding an additional engine company to perform the RIT role as part of the initial alarm										
If Incident count (n=) is less than 10, a maximum time is reported										

Fire: High Risk Station 154

Station 154										
Fire: High Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017 Jan - Jun	Benchmark
Call Processing			1:19	1:19	2:12	2:07	1:05	1:10		1:00
			n= 22	n= 7	n= 2	n= 1	n= 8	n= 4		
Turnout			1:02	1:30	0:59	1:43	2:51	2:08		1:38
			n= 22	n= 7	n= 2	n= 1	n= 8	n= 4		
Travel Time	1st Due	Rural	5:00	4:30	3:10	N/A	3:50	5:00		5:32
			n= 5	n= 2	n= 1	n= 0	n= 1	n= 1		
		Urban	6:10	4:00	2:30	4:40	6:20	6:10		4:32
			n= 16	n= 5	n= 1	n= 1	n= 6	n= 3		
	ERF	Rural	9:20	9:20	N/A	N/A	N/A	N/A	N/A	11:22
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	14:50	N/A	14:50	N/A	12:10	10:30	N/A	13:42
			n= 2	n= 0	n= 1	n= 0	n= 1	n= 1	n= 0	
Total Response Time	1st Due	Rural	8:00	6:40	6:20	N/A	6:00	8:00		8:10
			n= 5	n= 2	n= 1	n= 0	n= 1	n= 1		
		Urban	8:30	6:40	4:20	8:30	8:40	8:30		7:10
			n= 16	n= 5	n= 1	n= 1	n= 6	n= 3		
	ERF	Rural	11:40	11:40	N/A	N/A	N/A	N/A	N/A	14:00
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	16:30	N/A	16:30	N/A	14:20	12:40	N/A	16:20
			n= 2	n= 0	n= 1	n= 0	n= 1	n= 1	n= 0	
Note 1: ERF increased on 7/1/2017 adding an additional engine company to perform the RIT role as part of the initial alarm										
If Incident count (n=) is less than 10, a maximum time is reported										

Fire: High Risk Station 155

Station 155										
Fire: High Risk			2017 - 2021	2021	2020	2019	2018	2017[1] Jul - Dec	2017 Jan - Jun	Benchmark
Call Processing			1:17	N/A	N/A	1:02	1:17	0:42		1:00
			n= 5	n= 0	n= 0	n= 3	n= 1	n= 1		
Turnout			2:08	N/A	N/A	2:08	1:18	1:38		1:38
			n= 5	n= 0	n= 0	n= 3	n= 1	n= 1		
Travel Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A		5:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
		Urban	8:20	N/A	N/A	8:10	4:50	4:10		4:32
			n= 5	n= 0	n= 0	n= 3	n= 1	n= 1		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	14:50	N/A	N/A	9:30	**N/A**	14:50	N/A	13:42
			n= 1	n= 0	n= 0	n= 1	**n= 0**	n= 1	n= 0	
Total Response Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A		8:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
		Urban	10:40	N/A	N/A	10:40	7:20	6:30		7:10
			n= 5	n= 0	n= 0	n= 3	n= 1	n= 1		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	16:40	N/A	N/A	10:30	**N/A**	16:40	N/A	16:20
			n= 2	n= 0	n= 0	n= 1	**n= 0**	n= 1	n= 0	
Note 1: ERF increased on 7/1/2017 adding an additional engine company to perform the RIT role as part of the initial alarm										
If Incident count (n=) is less than 10, a maximum time is reported										

Appendix F: Hazardous Materials Data Tables

The following data tables detail the department's hazardous materials performance from 2017 - 2021 against adopted standards by risk level (low, moderate, and high) and three different planning levels;

- Low Risk:
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)

    NOTE: Insufficient data planning zone analysis
- Moderate Risk:
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)

    NOTE: Insufficient data planning zone analysis
- High Risk:
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)

    NOTE: Insufficient data planning zone analysis

HAZMAT: Low Risk CRFD

CRFD									
HAZMAT: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:56	2:03	1:46	1:32	2:09	1:47	1:00
			n= 345	n= 67	n= 89	n= 71	n= 59	n= 59	
Turnout			1:53	2:03	1:52	1:52	1:56	1:46	1:38
			n= 340	n= 65	n= 87	n= 70	n= 58	n= 60	
Travel Time	1st Due	Rural	7:40	8:50	5:50	9:50	6:40	7:00	5:32
			n= 96	n= 16	n= 18	n= 23	n= 15	n= 24	
		Urban	7:00	8:30	6:30	7:00	6:10	6:50	4:32
			n= 233	n= 47	n= 68	n= 47	n= 38	n= 33	
		Interstate	6:50	5:50	3:40	6:20	5:30	8:20	7:32
			n= 14	n= 3	n= 2	n= 1	n= 4	n= 4	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:42
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	8:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:22
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	10:00	11:20	8:50	11:10	8:50	10:00	8:10
			n= 98	n= 17	n= 19	n= 23	n= 15	n= 24	
		Urban	9:50	12:30	9:10	9:40	9:40	9:30	7:10
			n= 236	n= 48	n= 69	n= 48	n= 38	n= 33	
		Interstate	9:10	8:10	6:10	9:10	8:20	10:40	10:10
			n= 14	n= 3	n= 2	n= 1	n= 4	n= 4	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	11:20
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	10:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:00
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: Low Risk Station 151

Station 151									
HAZMAT: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:09	2:26	1:55	1:27	2:20	2:20	1:00
			n= 111	n= 26	n= 23	n= 20	n= 15	n= 27	
Turnout			1:58	2:13	2:18	1:56	2:02	1:48	1:38
			n= 110	n= 24	n= 22	n= 20	n= 16	n= 28	
Travel Time	1st Due	Rural	5:20	5:20	4:40	8:00	8:40	7:40	5:32
			n= 29	n= 3	n= 7	n= 5	n= 4	n= 10	
		Urban	6:50	8:30	7:00	7:00	3:50	6:50	4:32
			n= 74	n= 19	n= 15	n= 15	n= 10	n= 15	
		Interstate	8:20	5:50	3:40	N/A	5:30	8:20	7:32
			n= 9	n= 3	n= 1	n= 0	n= 1	n= 4	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:42
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	8:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:22
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	10:00	7:20	7:30	6:50	11:20	10:40	8:10
			n= 29	n= 3	n= 7	n= 5	n= 4	n= 10	
		Urban	9:40	10:30	9:50	9:20	7:20	9:20	7:10
			n= 75	n= 20	n= 15	n= 15	n= 10	n= 15	
		Interstate	10:40	8:10	6:10	N/A	8:20	10:40	10:10
			n= 9	n= 3	n= 1	n= 0	n= 1	n= 4	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	11:20
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	10:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:00
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: Low Risk Station 152

Station 152									
HAZMAT: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:31	1:13	1:26	1:46	2:00	N/A	1:00
			n= 21	n= 6	40 5	n= 8	n= 2	n= 0	
Turnout			1:36	1:35	1;22	1:44	1:33	N/A	1:38
			n= 18	n= 5	n= 3	n= 8	n= 2	n= 0	
Travel Time	1st Due	Rural	8:50	8:50	4:10	10:00	5:00	N/A	5:32
			n= 13	n= 4	n= 1	n= 6	n= 2	n= 0	
		Urban	11:20	11:20	4:40	10:30	N/A	N/A	4:32
			n= 5	n= 1	n= 2	n= 2	n= 0	n= 0	
		Interstate	6:20	N/A	N/A	6:20	N/A	N/A	7:32
			n= 1	n= 0	n= 0	n= 1	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:42
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	8:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:22
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	11:20	11:20	6:50	15:30	7:10	N/A	8:10
			n= 14	n= 4	n= 2	n= 6	n= 2	n= 0	
		Urban	13:20	12:40	6:40	13:20	N/A	N/A	7:10
			n= 5	n= 1	n= 2	n= 2	n= 0	n= 0	
		Interstate	9:10	N/A	N/A	9:10	N/A	N/A	10:10
			n= 1	n= 0	n= 0	n= 1	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	11:20
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	10:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:00
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: Low Risk Station 153

Station 153									
HAZMAT: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:48	2:26	1:07	1:23	4:14	1:08	1:00
			n= 50	n= 12	n= 16	n= 10	n= 8	n= 4	
Turnout			1:48	2:03	1:48	1:28	1:45	1:41	1:38
			n= 49	n= 11	n= 17	n= 10	n= 7	n= 4	
Travel Time	1st Due	Rural	11:20	N/A	4:40	11:20	3:10	5:50	5:32
			n= 6	n= 0	n= 1	n= 3	n= 1	n= 1	
		Urban	7:10	7:30	7:20	6:50	5:40	5:50	4:32
			n= 45	n= 12	n= 16	n= 7	n= 7	n= 3	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:42
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	8:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:22
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	15:00	N/A	6:40	15:00	6:50	7:50	8:10
			n= 6	n= 0	n= 1	n= 3	n= 1	n= 1	
		Urban	10:10	12:30	14:10	9:50	9:40	8:10	7:10
			n= 45	n= 12	n= 16	n= 7	n= 7	n= 3	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	11:20
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	10:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:00
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: Low Risk Station 154

Station 154									
HAZMAT: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:38	1:38	1:53	1:22	1:50	1:13	1:00
			n= 117	n= 18	n= 33	n= 22	n= 23	n= 21	
Turnout			1:52	2:09	1:55	1:52	1:53	1:41	1:38
			n= 116	n= 19	n= 32	n= 22	n= 22	n= 21	
Travel Time	1st Due	Rural	7:00	8:30	6:50	7:50	6:40	7:00	5:32
			n= 38	n= 8	n= 6	n= 8	n= 7	n= 9	
		Urban	7:00	7:30	6:20	7:00	7:00	6:50	4:32
			n= 73	n= 10	n= 25	n= 14	n= 12	n= 12	
		Interstate	5:20	N/A	0:10	N/A	5:20	N/A	7:32
			n= 4	n= 0	n= 1	n= 0	n= 3	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:42
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	8:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:22
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	8:50	10:40	8:50	10:40	8:50	9:10	8:10
			n= 39	n= 9	n= 6	n= 8	n= 7	n= 9	
		Urban	9:50	12:20	9:00	9:04	9:40	9:30	7:10
			n= 74	n= 10	n= 26	n= 14	n= 12	n= 12	
		Interstate	7:10	N/A	1:20	N/A	7:10	N/A	10:10
			n= 4	n= 0	n= 1	n= 0	n= 3	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	11:20
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	10:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:00
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: Low Risk Station 155

Station 155									
HAZMAT: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:22	3:04	1:35	2:20	1:55	2:40	1:00
			n= 48	n= 6	n= 13	n= 11	n= 11	n= 7	
Turnout			1:50	1:25	1:49	1:41	2:45	2:15	1:38
			n= 47	n= 6	n= 13	n= 10	n= 11	n= 7	
Travel Time	1st Due	Rural	6:40	12:30	3:50	1:00	1:20	6:40	5:32
			n= 10	n= 1	n= 3	n= 1	n= 1	n= 4	
		Urban	6:10	8:30	4:50	7:10	6:10	8:10	4:32
			n= 36	n= 5	n= 10	n= 9	n= 9	n= 3	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:42
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	8:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:22
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	8:40	14:10	6:40	1:30	3:30	8:40	8:10
			n= 10	n= 1	n= 3	n= 1	n= 1	n= 4	
		Urban	9:50	12:30	8:00	9:40	9:50	11:10	7:10
			n= 37	n= 5	n= 10	n= 10	n= 9	n= 3	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	11:20
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	10:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:00
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: Moderate Risk CRFD

CRFD									
HAZMAT: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing		Rural	1:44	1:47	1:53	1:13	1:33	1:26	1:00
		Urban	1:38	1:00	1:50	1:26	1:57	1:28	
		Interstate	3:02	1:43	0:17	N/A	N/A	N/A	
Turnout		Rural	1:51	1:51	1:44	1:48	1:49	2:39	1:38
		Urban	2:02	2:11	1:52	1:57	2:09	2:10	
		Interstate	2:06	2:06	1:26	N/A	N/A	N/A	
Travel Time	1st Due	Rural	8:10	7:00	8:40	6:50	9:40	8:00	5:32
		Urban	6:00	6:10	0:00	6:30	5:30	5:30	4:32
		Interstate	4:30	4:30	N/A	N/A	N/A	N/A	7:32
	ERF	Rural	13:20	13:30	12:00	11:10	13:20	14:10	10:52
		Urban	10:50	10:40	9:50	11:00	10:50	11:00	9:42
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:52
Total Response Time	1st Due	Rural	10:40	10:00	11:10	9:20	12:10	11:10	8:10
			n= 134	n= 34	n= 27	n= 30	n= 25	n= 18	
		Urban	8:50	9:00	8:30	9:10	8:30	7:50	7:10
			n= 426	n= 84	n= 98	n= 107	n= 66	n= 71	
		Interstate	17:20	9:40	17:20	N/A	N/A	N/A	10:10
			n= 2	n= 1	n= 1	n= 0	n= 0	n= 0	
	ERF	Rural	14:50	12:20	14:40	13:00	14:50	16:50	13:30
			n= 75	n= 24	n= 12	n= 17	n= 13	n= 9	
		Urban	12:30	12:50	12:10	13:00	12:20	12:20	12:20
			n= 214	n= 43	n= 45	n= 57	n= 32	n= 37	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

HAZMAT: Moderate Risk Station 151

Station 151									
HAZMAT: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:28	1:21	2:14	1:29	1:06	1:26	1:00
			n= 148	n= 30	n= 26	n= 36	n= 25	n= 31	
Turnout			2:09	2:03	2:02	2:01	2:09	2:15	1:38
			n= 147	n= 30	n= 25	n= 36	n= 25	n= 31	
Travel Time	1st Due	Rural	8:00	5:30	8:30	8:10	3:50	9:10	5:32
			n= 34	n= 11	n= 2	n= 8	n= 4	n= 9	
		Urban	6:30	7:50	6:50	6:30	5:40	7:00	4:32
			n= 113	n= 19	n= 23	n= 28	n= 21	n= 22	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	15:00	15:00	10:30	9:40	15:40	14:10	10:52
			n= 17	n= 7	n= 1	n= 4	n= 1	n= 4	
		Urban	9:50	9:00	10:30	11:30	7:50	10:00	9:42
			n= 66	n= 10	n= 14	n= 19	n= 10	n= 13	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	10:20	8:00	10:20	9:50	17:50	12:20	8:10
			n= 35	n= 11	n= 2	n= 8	n= 5	n= 9	
		Urban	9:00	9:50	9:00	9:30	7:40	9:30	7:10
			n= 114	n= 19	n= 24	n= 28	n= 21	n= 22	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	16:50	16:50	12:30	10:50	17:50	16:50	13:30
			n= 17	n= 7	n= 1	n= 4	n= 1	n= 4	
		Urban	12:20	11:20	12:30	13:00	9:50	11:00	12:20
			n= 66	n= 10	n= 14	n= 19	n= 10	n= 13	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: Moderate Risk Station 152

Station 152									
HAZMAT: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:47	2:05	1:45	1:10	1:29	N/A	1:00
			n= 48	n= 16	n= 15	n= 12	n= 5	n= 0	
Turnout			1:55	2:06	1:32	2:28	1:51	N/A	1:38
			n= 48	n= 16	n= 15	n= 12	n= 5	n= 0	
Travel Time	1st Due	Rural	7:40	7:30	8:30	7:40	10:00	N/A	5:32
			n= 29	n= 9	n= 11	n= 5	n= 4	n= 0	
		Urban	7:30	4:10	7:30	11:40	3:40	N/A	4:32
			n= 18	n= 6	n= 4	n= 7	n= 1	n= 0	
		Interstate	4:30	N/A	4:30	N/A	N/A	N/A	7:32
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
	ERF	Rural	12:10	11:30	12:00	12:10	13:20	N/A	10:52
			n= 19	n= 7	n= 5	n= 3	n= 4	n= 0	
		Urban	10:50	10:50	7:10	10:40	N/A	N/A	9:42
			n= 9	n= 5	n= 1	n= 3	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	10:50	10:40	11:10	9:50	11:30	N/A	8:10
			n= 29	n= 9	n= 11	n= 5	n= 4	n= 0	
		Urban	9:50	6:30	9:50	16:40	6:40	N/A	7:10
			n= 18	n= 6	n= 4	n= 7	n= 1	n= 0	
		Interstate	17:20	9:40	17:20	N/A	N/A	N/A	10:10
			n= 2	n= 1	n= 1	n= 0	n= 0	n= 0	
	ERF	Rural	14:40	13:30	14:40	13:40	14:50	N/A	13:30
			n= 19	n= 7	n= 5	n= 3	n= 4	n= 0	
		Urban	12:50	12:50	8:40	12:00	N/A	N/A	12:20
			n= 9	n= 5	n= 1	n= 3	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: Moderate Risk Station 153

Station 153									
HAZMAT: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:47	1:43	2:15	1:13	1:33	1:44	1:00
			n= 101	n= 26	n= 26	n= 20	n= 15	n= 14	
Turnout			2:11	2:11	2:17	2:03	2:33	2:24	1:38
			n= 100	n= 26	n= 26	n= 20	n= 14	n= 14	
Travel Time	1st Due	Rural	9:40	7:00	9:10	6:20	10:00	7:30	5:32
			n= 18	n= 3	n= 4	n= 3	n= 5	n= 3	
		Urban	6:40	7:10	6:10	6:50	8:50	6:40	4:32
			n= 82	n= 23	n= 22	n= 17	n= 9	n= 11	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	14:10	13:30	17:50		12:50	14:10	10:52
			n= 10	n= 1	n= 3	n= 0	n= 3	n= 3	
		Urban	11:10	12:30	9:10	11:00	10:10	11:40	9:42
			n= 40	n= 13	n= 10	n= 10	n= 3	n= 4	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	12:10	9:00	11:40	9:20	13:10	10:00	8:10
			n= 18	n= 3	n= 4	n= 3	n= 5	n= 3	
		Urban	9:30	9:30	9:10	9:30	7:50	9:10	7:10
			n= 83	n= 23	n= 22	n= 17	n= 10	n= 11	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	16:10	15:20	19:30	N/A	14:50	16:10	13:30
			n= 10	n= 1	n= 3	n= 0	n= 3	n= 3	
		Urban	13:30	14:20	11:30	12:20	11:40	14:10	12:20
			n= 40	n= 13	n= 10	n= 10	n= 3	n= 4	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: Moderate Risk Station 154

Station 154									
HAZMAT: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:42	1:40	2:03	1:18	2:11	1:26	1:00
			n= 204	n= 35	n= 42	n= 58	n= 34	n= 35	
Turnout			1:49	1:43	1:42	1:47	2:04	2:03	1:38
			n= 202	n= 34	n= 41	n= 58	n= 34	n= 35	
Travel Time	1st Due	Rural	5:20	5:30	5:20	4:50	8:40	4:50	5:32
			n= 42	n= 7	n= 8	n= 13	n= 9	n= 5	
		Urban	5:30	5:20	6:00	6:00	5:20	5:00	4:32
			n= 164	n= 29	n= 35	n= 45	n= 25	n= 30	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	8:10	8:10	7:40	7:40	8:20	6:40	10:52
			n= 24	n= 6	n= 2	n= 10	n= 5	n= 1	
		Urban	11:10	9:10	10:50	10:50	12:40	11:20	9:42
			n= 76	n= 11	n= 14	n= 22	n= 13	n= 16	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	7:20	6:30	8:00	7:10	10:40	6:10	8:10
			n= 42	n= 7	n= 8	n= 13	n= 9	n= 5	
		Urban	8:10	7:50	7:50	9:10	8:40	7:30	7:10
			n= 164	n= 29	n= 35	n= 45	n= 25	n= 30	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	10:20	10:20	9:20	9:30	11:40	8:00	13:30
			n= 24	n= 6	n= 2	n= 10	n= 5	n= 1	
		Urban	13:00	11:10	11:30	13:00	14:30	13:10	12:20
			n= 76	n= 11	n= 14	n= 22	n= 13	n= 16	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: Moderate Risk Station 155

Station 155									
HAZMAT: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:40	1:43	1:29	1:40	1:28	1:55	1:00
			n= 57	n= 11	n= 15	n= 11	n= 11	n= 9	
Turnout			1:47	1:42	1:50	1:35	1:49	1:48	1:38
			n= 56	n= 11	n= 15	n= 11	n= 10	n= 9	
Travel Time	1st Due	Rural	9:20	9:20	7:10	12:00	5:00	6:50	5:32
			n= 10	n= 4	n= 2	n= 1	n= 2	n= 1	
		Urban	5:50	6:40	5:40	6:30	8:30	5:20	4:32
			n= 46	n= 7	n= 12	n= 10	n= 9	n= 8	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	16:00	16:00	10:20	N/A	N/A	7:50	10:52
			n= 5	n= 3	n= 1	n= 0	n= 0	n= 1	
		Urban	9:00	10:20	9:20	7:00	8:10	6:30	9:42
			n= 23	n= 4	n= 6	n= 3	n= 6	n= 4	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	9:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	13:00	13:00	10:00	15:30	7:50	8:00	8:10
			n= 10	n= 4	n= 2	n= 1	n= 2	n= 1	
		Urban	8:30	9:00	7:50	8:50	8:00	8:30	7:10
			n= 47	n= 7	n= 13	n= 10	n= 9	n= 8	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	16:30	16:30	13:00	N/A	N/A	9:00	13:30
			n= 5	n= 3	n= 1	n= 0	n= 0	n= 1	
		Urban	11:10	11:30	11:10	9:30	10:00	8:00	12:20
			n= 23	n= 4	n= 6	n= 3	n= 6	n= 4	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	12:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: High Risk CRFD

CRFD									
HAZMAT: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing		Rural	1:48	N/A	N/A	1:15	N/A	1:48	1:00
		Urban	2:14	2:14	1:09	N/A	2:24	2:05	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
Turnout		Rural	1:49	N/A	N/A	1:01	N/A	1:49	1:38
		Urban	2:04	1:32	1:39	N/A	2:44	2:04	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
Travel Time	1st Due	Rural	4:20	N/A	N/A	3:10	N/A	2:50	5:32
		Urban	5:10	4:40	3:20	N/A	2:50	7:30	4:32
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:52
		Urban	14:50	14:50	N/A	N/A	N/A	N/A	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
Total Response Time	1st Due	Rural	7:00	N/A	N/A	7:00	N/A	6:10	8:10
			n= 4	n= 0	n= 0	n= 2	n= 0	n= 2	
		Urban	7:50	7:00	6:10	N/A	5:50	11:30	7:10
			n= 13	n= 4	n= 1	n= 0	n= 2	n= 6	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	17:40	17:40	N/A	N/A	N/A	N/A	
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

HAZMAT: High Risk Station 151

Station 151									
HAZMAT: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:24	1:03	N/A	1:15	2:24	1:13	1:00
			n= 7	n= 2	n= 0	n= 2	n= 1	n= 2	
Turnout			1:25	1:17	N/A	1:01	0:32	1:25	1:38
			n= 7	n= 2	n= 0	n= 2	n= 1	n= 2	
Travel Time	1st Due	Rural	3:10	N/A	N/A	3:10	N/A	N/A	5:32
			n= 2	n= 0	n= 0	n= 2	n= 0	n= 0	
		Urban	4:40	4:40	N/A	N/A	0:20	4:00	4:32
			n= 5	n= 2	n= 0	n= 0	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	5:10	N/A	N/A	5:10	N/A	N/A	8:10
			n= 2	n= 0	n= 0	n= 2	n= 0	n= 0	
		Urban	7:00	7:00	N/A	N/A	3:20	6:40	7:10
			n= 5	n= 2	n= 0	n= 0	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: High Risk Station 152

Station 152									
HAZMAT: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			N/A	N/A	N/A	N/A	N/A	N/A	1:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Turnout			N/A	N/A	N/A	N/A	N/A	N/A	1:38
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Travel Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	5:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	4:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	7:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: High Risk Station 153

Station 153									
HAZMAT: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			0:18	N/A	N/A	N/A	0:18	0:13	1:00
			n= 2	n= 0	n= 0	n= 0	n= 1	n= 1	
Turnout			2:44	N/A	N/A	N/A	2:44	0:14	1:38
			n= 2	n= 0	n= 0	n= 0	n= 1	n= 1	
Travel Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	5:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	5:10	N/A	N/A	N/A	2:50	5:10	4:32
			n= 2	n= 0	n= 0	n= 0	n= 1	n= 1	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	5:50	N/A	N/A	N/A	5:50	5:30	7:10
			n= 2	n= 0	n= 0	n= 0	n= 1	n= 1	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: High Risk Station 154

Station 154									
HAZMAT: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:14	2:14	N/A	N/A	N/A	1:48	1:00
			n= 6	n= 2	n= 0	n= 0	n= 0	n= 4	
Turnout			2:04	1:32	N/A	N/A	N/A	2:04	1:38
			n= 6	n= 2	n= 0	n= 0	n= 0	n= 4	
Travel Time	1st Due	Rural	2:50	N/A	N/A	N/A	N/A	2:50	5:32
			n= 1	n= 0	n= 0	n= 0	n= 0	n= 1	
		Urban	7:30	3:00	N/A	N/A	N/A	7:30	4:32
			n= 4	n= 2	n= 0	n= 0	n= 0	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	14:50	14:50	N/A	N/A	N/A	N/A	
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	6:10	N/A	N/A	N/A	N/A	6:10	8:10
			n= 2	n= 0	n= 0	n= 0	n= 0	n= 2	
		Urban	11:30	6:30	N/A	N/A	N/A	11:30	7:10
			n= 4	n= 2	n= 0	n= 0	n= 0	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	17:40	17:40	N/A	N/A	N/A	N/A	
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

HAZMAT: High Risk Station 155

Station 155									
HAZMAT: High Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:32	N/A	1:09	1:13	N/A	1:32	1:00
			n= 3	n= 0	n= 1	n= 1	n= 0	n= 1	
Turnout			1:39	N/A	1:39	1:33	N/A	1:22	1:38
			n= 3	n= 0	n= 1	n= 1	n= 0	n= 1	
Travel Time	1st Due	Rural	4:20	N/A	N/A	4:20	N/A	N/A	5:32
			n= 1	n= 0	n= 0	n= 1	n= 0	n= 0	
		Urban	5:00	N/A	3:20	N/A	N/A	5:00	4:32
			n= 2	n= 0	n= 1	n= 0	n= 0	n= 1	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	7:00	N/A	N/A	7:00	N/A	N/A	8:10
			n= 1	n= 0	n= 0	n= 1	n= 0	n= 0	
		Urban	7:50	N/A	6:10	N/A	N/A	7:50	7:10
			n= 2	n= 0	n= 1	n= 0	n= 0	n= 1	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

Appendix G: Wildland Fire Suppression Data Tables

The following data tables detail the department's wildland fire suppression performance from 2017– 2021 against adopted standards by risk level (low, moderate, and high) and three different planning levels;

- Low Risk:
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)

    NOTE: Insufficient data planning zone analysis

- Moderate Risk:
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)

    NOTE: Insufficient data planning zone analysis

- High Risk:
  - Jurisdiction (CRFD)
  - Station (151, 152, 153, 154, 155)

    NOTE: Insufficient data planning zone analysis

Wildland: Low Risk CRFD

CRFD									
Wildland: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:59	2:19	3:15	3:10	3:45	1:44	1:00
			n= 99	n= 30	n= 18	n= 17	n= 14	n= 20	
Turnout			1:57	2:05	1:53	2:04	1:55	2:08	1:38
			n= 100	n= 30	n= 19	n= 17	n= 13	n= 21	
Travel Time	1st Due	Rural	8:40	11:10	11:40	5:20	5:40	8:40	5:32
			n= 23	n= 5	n= 4	n= 4	n= 1	n= 9	
		Urban	6:30	6:30	6:30	6:40	8:50	5:40	4:32
			n= 77	n= 26	n= 15	n= 13	n= 12	n= 11	
		Interstate	4:10	N/A	N/A	N/A	3:30	4:10	7:32
			n= 2	n= 0	n= 0	n= 0	n= 1	n= 1	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	12:30	14:00	12:30	8:40	13:20	10:30	8:10
			n= 24	n= 5	n= 4	n= 4	n= 2	n= 9	
		Urban	9:50	9:50	9:40	8:50	10:50	9:10	7:10
			n= 77	n= 26	n= 15	n= 13	n= 12	n= 11	
		Interstate	18:40	N/A	N/A	N/A	7:00	18:40	10:10
			n= 2	n= 0	n= 0	n= 0	n= 1	n= 1	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Effective July 1 2017 Effective Response Force for all Low Risk Wildland Fire incidents was reduced to a single suppression company.									

Wildland: Low Risk Station 151

Station 151									
Wildland: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:56	2:19	4:40	2:58	1:52	1:44	1:00
			n= 34	n= 9	n= 3	n= 9	n= 4	n= 9	
Turnout			2:05	2:18	1:51	2:04	1:45	2:11	1:38
			n= 36	n= 9	n= 4	n= 9	n= 4	n= 10	
Travel Time	1st Due	Rural	8:40	6:30	N/A	2:30	N/A	8:40	5:32
			n= 8	n= 2	n= 0	n= 1	n= 0	n= 5	
		Urban	7:20	6:50	9:30	7:20	8:50	5:40	4:32
			n= 26	n= 7	n= 4	n= 8	n= 3	n= 4	
		Interstate	4:10	N/A	N/A	N/A	3:30	4:10	7:32
			n= 2	n= 0	n= 0	n= 0	n= 1	n= 1	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	10:30	8:50	N/A	4:40	N/A	10:30	8:10
			n= 8	n= 2	n= 0	n= 1	n= 0	n= 5	
		Urban	9:00	9:00	16:20	8:00	10:50	8:20	7:10
			n= 26	n= 7	n= 4	n= 8	n= 3	n= 4	
		Interstate	18:40	N/A	N/A	N/A	7:00	18:40	10:10
			n= 2	n= 0	n= 0	n= 0	n= 1	n= 1	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

Wildland: Low Risk Station 152

Station 152									
Wildland: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:10	2:10	2:06	2:09	N/A	N/A	1:00
			n= 6	n= 2	n= 1	n= 3	n= 0	n= 0	
Turnout			1:48	1:24	1:48	1:20	N/A	N/A	1:38
			n= 6	n= 2	n= 1	n= 3	n= 0	n= 0	
Travel Time	1st Due	Rural	5:10	N/A	5:00	5:10	N/A	N/A	5:32
			n= 2	n= 0	n= 1	n= 1	n= 0	n= 0	
		Urban	4:40	4:40	N/A	2:40	N/A	N/A	4:32
			n= 5	n= 2	n= 0	n= 3	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	8:50	N/A	8:50	7:00	N/A	N/A	8:10
			n= 2	n= 0	n= 1	n= 1	n= 0	n= 0	
		Urban	8:20	8:20	N/A	5:10	N/A	N/A	7:10
			n= 4	n= 2	n= 0	n= 2	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

Wildland: Low Risk Station 153

Station 153									
Wildland: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:33	2:25	2:33	3:29	3:45	1:43	1:00
			n= 22	n= 6	n= 6	n= 3	n= 6	n= 1	
Turnout			1:55	1:53	1:37	2:27	1:57	1:13	1:38
			n= 22	n= 6	n= 6	n= 3	n= 6	n= 1	
Travel Time	1st Due	Rural	11:40	11:10	12:00	5:20	5:40	5:00	5:32
			n= 5	n= 1	n= 1	n= 1	n= 1	n= 1	
		Urban	6:30	6:00	7:10	6:00	8:40	N/A	4:32
			n= 18	n= 5	n= 5	n= 2	n= 6	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	14:00	14:00	12:30	8:40	13:20	7:50	8:10
			n= 5	n= 1	n= 1	n= 1	n= 1	n= 1	
		Urban	10:30	10:00	9:40	10:30	10:30	N/A	7:10
			n= 18	n= 5	n= 5	n= 2	n= 6	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

Wildland: Low Risk Station 154

Station 154									
Wildland: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			3:15	2:09	3:15	3:10	2:59	4:25	1:00
			n= 26	n= 9	n= 5	n= 2	n= 3	n= 7	
Turnout			1:53	2:09	1:53	1:30	1:35	2:08	1:38
			n= 25	n= 9	n= 5	n= 2	n= 2	n= 7	
Travel Time	1st Due	Rural	3:50	3:50	3:50	3:20	N/A	6:30	5:32
			n= 6	n= 2	n= 1	n= 1	n= 0	n= 2	
		Urban	9:20	9:20	6:30	4:00	9:30	5:50	4:32
			n= 20	n= 8	n= 4	n= 1	n= 2	n= 5	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	0 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	9:50	6:20	7:40	5:10	3:00	9:50	8:10
			n= 7	n= 2	n= 1	n= 1	n= 1	n= 2	
		Urban	10:30	11:00	9:10	8:40	11:40	10:30	7:10
			n= 20	n= 8	n= 4	n= 1	n= 2	n= 5	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

Wildland: Low Risk Station 155

Station 155									
Wildland: Low Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			3:09	3:09	1:15	N/A	3:45	1:12	1:00
			n= 11	n= 4	n= 3	n= 0	n= 1	n= 3	
Turnout			2:06	2:06	2:12	N/A	1:45	1:57	1:38
			n= 11	n= 4	n= 3	n= 0	n= 1	n= 3	
Travel Time	1st Due	Rural	7:50	N/A	6:50	N/A	N/A	7:50	5:32
			n= 2	n= 0	n= 1	n= 0	n= 0	n= 1	
		Urban	6:20	6:20	5:10	N/A	3:20	5:00	4:32
			n= 9	n= 4	n= 2	n= 0	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	10:20	N/A	10:10	N/A	N/A	10:20	8:10
			n= 2	n= 0	n= 1	n= 0	n= 0	n= 1	
		Urban	9:50	9:50	7:20	N/A	8:50	7:20	7:10
			n= 9	n= 4	n= 2	n= 0	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	

Wildland: Moderate Risk CRFD

CRFD									
Wildland: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing		Rural	2:46	2:46	1:38	2:22	1:49	4:09	1:00
		Urban	2:51	2:34	4:00	2:05	2:51	2:29	
		Interstate	1:53	1:53	N/A	0:57	0:35	1:05	
Turnout		Rural	2:34	2:21	2:34	3:06	2:09	3:27	1:38
		Urban	2:30	2:34	2:30	2:42	2:53	2:06	
		Interstate	2:32	1:56	N/A	0:48	2:32	1:03	
Travel Time	1st Due	Rural	7:30	4:20	7:30	8:00	7:50	9:20	5:32
		Urban	6:40	6:30	6:00	6:10	7:50	6:10	4:32
		Interstate	8:30	5:20	N/A	8:30	5:10	4:10	7:32
	ERF	Rural	14:40	8:50	N/A	8:10	12:40	9:50	8:52
		Urban	14:40	14:40	14:40	N/A	N/A	9:20	7:52
		Interstate	7:20	7:20	N/A	N/A	N/A	N/A	13:22
Total Response Time	1st Due	Rural	10:50	7:30	9:40	10:20	9:10	11:50	8:10
			n= 27	n= 3	n= 4	n= 8	n= 5	n= 7	
		Urban	8:50	7:50	8:30	10:20	11:10	9:20	7:10
			n= 48	n= 6	n= 14	n= 7	n= 9	n= 12	
		Interstate	9:50	9:10	N/A	9:50	8:10	7:10	10:10
			n= 7	n= 3	n= 0	n= 2	n= 1	n= 1	
	ERF	Rural	14:40	10:10	N/A	10:50	14:40	13:00	11:30
			n= 6	n= 2	n= 0	n= 1	n= 2	n= 1	
		Urban	16:30	16:20	16:30	N/A	N/A	12:00	10:30
			n= 9	n= 1	n= 4	n= 0	n= 0	n= 2	
		Interstate	9:30	9:30	N/A	N/A	N/A	N/A	16:00
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported									

Wildland: Moderate Risk Station 151

Station 151									
Wildland: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:46	2:46	4:13	1:11	2:10	4:04	1:00
			n= 31	n= 8	n= 6	n= 4	n= 7	n= 6	
Turnout			2:30	2:34	2:33	1:36	2:32	2:06	1:38
			n= 31	n= 8	n= 5	n= 4	n= 8	n= 6	
Travel Time	1st Due	Rural	9:20	4:00	N/A	1:50	5:40	9:20	5:32
			n= 12	n= 6	n= 0	n= 1	n= 2	n= 3	
		Urban	4:00	3:30	3:30	4:00	4:40	3:40	4:32
			n= 15	n= 3	n= 6	n= 1	n= 3	n= 2	
		Interstate	8:30	5:20	N/A	8:30	5:10	4:10	7:32
			n= 6	n= 2	n= 0	n= 2	n= 1	n= 1	
	ERF	Rural	12:30	8:50	N/A	N/A	12:30	N/A	8:52
			n= 3	n= 2	n= 0	n= 0	n= 1	n= 0	
		Urban	14:40	14:40	14:40	N/A	N/A	N/A	7:52
			n= 5	n= 1	n= 4	n= 0	n= 0	n= 0	
		Interstate	7:20	7:10	N/A	N/A	N/A	N/A	13:22
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	11:50	7:30	N/A	4:20	8:10	11:50	8:10
			n= 9	n= 3	n= 0	n= 1	n= 2	n= 3	
		Urban	6:40	6:10	6:40	6:20	8:20	5:40	7:10
			n= 15	n= 3	n= 6	n= 1	n= 3	n= 2	
		Interstate	9:50	9:10	N/A	9:50	8:10	7:10	10:10
			n= 6	n= 2	n= 0	n= 2	n= 1	n= 1	
	ERF	Rural	14:40	10:10	N/A	N/A	14:40	N/A	11:30
			n= 3	n= 2	n= 0	n= 0	n= 1	n= 0	
		Urban	16:30	16:20	16:30	N/A	N/A	N/A	10:30
			n= 9	n= 1	n= 4	n= 0	n= 0	n= 0	
		Interstate	9:30	9:30	N/A	N/A	N/A	N/A	16:00
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported									

Wildland: Moderate Risk Station 152

Station 152									
Wildland: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:14	N/A	1:38	2:14	0:54	N/A	1:00
			n= 7	n= 0	n= 2	n= 4	n= 1	n= 0	
Turnout			3:06	N/A	2:34	3:06	0:21	N/A	1:38
			n= 9	n= 0	n= 3	n= 5	n= 1	n= 0	
Travel Time	1st Due	Rural	5:50	N/A	5:50	4:30	5:30	N/A	5:32
			n= 5	n= 0	n= 2	n= 2	n= 1	n= 0	
		Urban	1:40	N/A	1:40	1:20	N/A	N/A	4:32
			n= 3	n= 0	n= 1	n= 2	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	7:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	9:40	N/A	9:40	7:20	6:40	N/A	8:10
			n= 5	n= 0	n= 2	n= 2	n= 1	n= 0	
		Urban	4:40	N/A	2:00	4:40	N/A	N/A	7:10
			n= 3	n= 0	n= 1	n= 2	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	11:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	10:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	16:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported									

Wildland: Moderate Risk Station 153

Station 153									
Wildland: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:54	2:26	1:23	2:54	0:50	3:01	1:00
			n= 16	n= 1	n= 2	n= 5	n= 2	n= 6	
Turnout			2:01	1:43	2:06	1:19	1:54	2:01	1:38
			n= 17	n= 1	n= 2	n= 5	n= 2	n= 7	
Travel Time	1st Due	Rural	8:00	N/A	7:30	8:00	7:00	6:00	5:32
			n= 6	n= 0	n= 1	n= 2	n= 1	n= 2	
		Urban	6:10	3:10	3:50	6:10	3:30	7:50	4:32
			n= 11	n= 1	n= 1	n= 3	n= 1	n= 5	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	12:40	N/A	N/A	N/A	12:40	N/A	8:52
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	
		Urban	9:20	N/A	N/A	N/A	N/A	9:20	7:52
			n= 2	n= 0	n= 0	n= 0	n= 0	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	9:50	N/A	9:40	9:50	9:10	8:00	8:10
			n= 5	n= 0	n= 1	n= 2	n= 1	n= 1	
		Urban	10:20	6:10	7:10	10:20	6:20	11:00	7:10
			n= 11	n= 1	n= 1	n= 3	n= 1	n= 5	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	14:40	N/A	N/A	N/A	14:40	N/A	11:30
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	
		Urban	12:00	N/A	N/A	N/A	N/A	12:00	10:30
			n= 9	n= 0	n= 0	n= 0	n= 0	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	16:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported									

Wildland: Moderate Risk Station 154

Station 154									
Wildland: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:51	1:16	2:15	1:30	2:51	4:09	1:00
			n= 17	n= 2	n= 4	n= 2	n= 5	n= 4	
Turnout			2:20	2:13	2:22	1:12	2:53	2:08	1:38
			n= 14	n= 2	n= 3	n= 2	n= 5	n= 2	
Travel Time	1st Due	Rural	7:40	4:20	N/A	7:40	4:20	1:00	5:32
			n= 4	n= 1	n= 0	n= 1	n= 1	n= 1	
		Urban	6:20	N/A	6:20	2:40	7:50	3:20	4:32
			n= 12	n= 0	n= 4	n= 1	n= 4	n= 3	
		Interstate	2:50	2:50	N/A	N/A	N/A	N/A	7:32
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	7:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	10:20	6:50	N/A	10:20	6:50	5:10	8:10
			n= 4	n= 1	n= 0	n= 1	n= 1	n= 1	
		Urban	8:30	N/A	8:30	4:20	11:10	5:20	7:10
			n= 12	n= 0	n= 4	n= 1	n= 4	n= 3	
		Interstate	5:40	5:40	N/A	N/A	N/A	N/A	10:10
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	11:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	10:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	16:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported									

Wildland: Moderate Risk Station 155

Station 155									
Wildland: Moderate Risk			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:05	2:05	2:04	1:20	0:51	2:12	1:00
			n= 12	n= 2	n= 3	n= 2	n= 1	n= 4	
Turnout			2:21	0:45	2:21	1:46	1:45	3:17	1:38
			n= 12	n= 2	n= 3	n= 2	n= 1	n= 4	
Travel Time	1st Due	Rural	7:00	N/A	3:50	6:40	N/A	7:00	5:32
			n= 5	n= 0	n= 1	n= 2	n= 0	n= 2	
		Urban	6:30	6:30	5:40	N/A	3:50	4:10	4:32
			n= 6	n= 1	n= 2	n= 0	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	9:50	N/A	N/A	8:10	N/A	9:50	8:52
			n= 2	n= 0	n= 0	n= 1	n= 0	n= 1	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	7:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	13:22
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	11:10	N/A	6:00	9:20	N/A	11:10	8:10
			n= 5	n= 0	n= 1	n= 2	n= 0	n= 2	
		Urban	9:20	7:50	9:20	N/A	6:30	7:10	7:10
			n= 7	n= 2	n= 2	n= 0	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	13:00	N/A	N/A	10:50	N/A	13:00	11:30
			n= 2	n= 0	n= 0	n= 1	n= 0	n= 1	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	10:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	16:00
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported									

Wildland: High Risk CRFD

CRFD									
Wildland: High Risk			2017 - 2021	2021	2020	2019	2018	2017* Post CTA Update	2017* Pre CTA Update
Call Processing		Rural	2:05	1:23	2:04	1:04	N/A	N/A	
		Urban	1:22	1:01	2:00	1:43	1:08	1:18	
		Interstate	2:33	N/A	N/A	2:33	N/A	1:14	
Turnout		Rural	1:28	1:28	1:03	1:21	N/A	N/A	
		Urban	2:17	2:25	2:00	1:17	2:20	2:15	
		Interstate	1:45	N/A	N/A	1:45	N/A	1:23	
Travel Time	1st Due	Rural	9:50	6:40	7:50	9:50	N/A	N/A	
		Urban	5:40	2:30	6:00	5:20	4:50	9:50	
		Interstate	5:10	N/A	N/A	4:40	N/A	5:10	
	ERF	Rural	14:10	N/A	13:50	14:10	N/A	N/A	N/A
		Urban	21:10	N/A	21:10	N/A	12:00	N/A	N/A
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Response Time	1st Due	Rural	11:50	8:40	10:00	11:50	N/A	N/A	
			n= 7	n= 3	n= 2	n= 2	n= 0	n= 0	
		Urban	8:20	5:40	8:00	7:30	8:20	12:00	
			n= 11	n= 2	n= 6	n= 3	n= 3	n= 6	
		Interstate	9:00	N/A	N/A	9:00	N/A	7:50	
			n= 1	n= 0	n= 0	n= 1	n= 0	n= 2	
	ERF	Rural	16:10	N/A	15:20	16:10	N/A	N/A	N/A
			n= 2	n= 0	n= 1	n= 1	n= 0	n= 0	n= 0
		Urban	21:10	N/A	21:10	N/A	14:00	N/A	N/A
			n= 3	n= 0	n= 2	n= 0	n= 1	n= 0	n= 0
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0

If Incident count (n=) is less than 10, a maximum time is reported

Note *: July 1, 2017 response plans were updated to reflect the 2017 Standards of Cover Critical Task Analysis, adding a second Chief Officer to serve as a dedicated Safety Officer or Group/Division Supervisor.

Wildland: High Risk Station 151

Station 151										
Wildland: High Risk			2017 - 2021	2021	2020	2019	2018	2017* Post CTA Update	2017* Pre CTA Update	Benchmark
Call Processing			1:23	1:23	2:05	N/A	0:34	1:14		1:00
			n= 12	n= 4	n= 3	n= 0	n= 2	n= 3		
Turnout			2:00	2:21	2:00	N/A	1:34	1:49		1:38
			n= 11	n= 4	n= 2	n= 0	n= 2	n= 3		
Travel Time	1st Due	Rural	7:50	3:50	7:50	N/A	N/A	N/A		5:32
			n= 3	n= 2	n= 1	n= 0	n= 0	n= 0		
		Urban	3:50	2:30	3:50	N/A	3:50	3:50		4:32
			n= 7	n= 2	n= 2	n= 0	n= 2	n= 1		
		Interstate	5:10	N/A	N/A	N/A	N/A	5:10		7:32
			n= 2	n= 0	n= 0	n= 0	n= 0	n= 2		
	ERF	Rural	13:50	N/A	13:50	N/A	N/A	N/A	N/A	14:02
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	n= 0	
		Urban	12:00	N/A	9:00	N/A	12:00	N/A	N/A	10:52
			n= 2	n= 0	n= 1	n= 0	n= 1	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	10:00	5:40	10:00	N/A	N/A	N/A		8:10
			n= 3	n= 2	n= 1	n= 0	n= 0	n= 0		
		Urban	6:40	5:50	6:20	N/A	4:40	6:40		7:10
			n= 4	n= 2	n= 2	n= 0	n= 2	n= 1		
		Interstate	8:50	N/A	N/A	N/A	N/A	7:50		10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 2		
	ERF	Rural	15:50	N/A	15:50	N/A	N/A	N/A	N/A	16:40
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	n= 0	
		Urban	14:00	N/A	10:30	N/A	14:00	N/A	N/A	13:30
			n= 2	n= 0	n= 1	n= 0	n= 1	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported										
Note *: July 1, 2017 response plans were updated to reflect the 2017 Standards of Cover Critical Task Analysis, adding a second Chief Officer to serve as a dedicated Safety Officer or Group/Division Supervisor.										

Wildland: High Risk Station 152

Station 152										
Wildland: High Risk			2017 - 2021	2021	2020	2019	2018	2017* Post CTA Update	2017* Pre CTA Update	Benchmark
Call Processing			N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0		1:00
Turnout			N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n=		1:38
Travel Time	1st Due	Rural	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n=		5:32
		Urban	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n=		4:32
		Interstate	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n=		7:32
	ERF	Rural	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	14:02
		Urban	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	10:52
		Interstate	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A
Total Response Time	1st Due	Rural	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0		8:10
		Urban	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0		7:10
		Interstate	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0		10:10
	ERF	Rural	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	16:40
		Urban	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	13:30
		Interstate	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A n= 0	N/A
If Incident count (n=) is less than 10, a maximum time is reported										
Note *: July 1, 2017 response plans were updated to reflect the 2017 Standards of Cover Critical Task Analysis, adding a second Chief Officer to serve as a dedicated Safety Officer or Group/Division Supervisor.										

Wildland: High Risk Station 153

Station 153										
Wildland: High Risk			2017 - 2021	2021	2020	2019	2018	2017* Post CTA Update	2017* Pre CTA Update	Benchmark
Call Processing			1:04	N/A	0:10	1:04	N/A	N/A		1:00
			n= 4	n= 0	n= 1	n= 3	n= 0	n= 0		
Turnout			2:17	N/A	1:03	2:17	N/A	N/A		1:38
			n= 4	n= 0	n= 1	n= 3	n= 0	n=		
Travel Time	1st Due	Rural	9:50	N/A	6:50	9:50	N/A	N/A		5:32
			n= 3	n= 0	n= 1	n= 2	n= 0	n=		
		Urban	4:20	N/A	N/A	4:20	N/A	N/A		4:32
			n= 1	n= 0	n= 0	n= 1	n= 0	n=		
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A		7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n=		
	ERF	Rural	14:10	N/A	N/A	14:10	N/A	N/A	N/A	14:02
			n= 1	n= 0	n= 0	n= 1	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	11:50	N/A	8:10	11:50	N/A	N/A		8:10
			n= 3	n= 0	n= 1	n= 2	n= 0	n= 0		
		Urban	7:20	N/A	N/A	7:20	N/A	N/A		7:10
			n= 1	n= 0	n= 0	n= 1	n= 0	n= 0		
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A		10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
	ERF	Rural	16:10	N/A	N/A	16:10	N/A	N/A	N/A	16:40
			n= 1	n= 0	n= 0	n= 1	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n=	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported										
Note *: July 1, 2017 response plans were updated to reflect the 2017 Standards of Cover Critical Task Analysis, adding a second Chief Officer to serve as a dedicated Safety Officer or Group/Division Supervisor.										

Wildland: High Risk Station 154

Station 154										
Wildland: High Risk			2017 - 2021	2021	2020	2019	2018	2017* Post CTA Update	2017* Pre CTA Update	Benchmark
Call Processing			2:33	N/A	2:00	2:33	N/A	1:03		1:00
			n= 9	n= 0	n= 4	n= 2	n= 0	n= 3		
Turnout			2:15	N/A	1:36	1:45	N/A	2:15		1:38
			n= 9	n= 0	n= 4	n= 2	n= 0	n= 3		
Travel Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A		5:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
		Urban	6:00	N/A	6:00	5:20	N/A	4:00		4:32
			n= 8	n= 0	n= 4	n= 1	n= 0	n= 3		
		Interstate	4:40	N/A	N/A	4:40	N/A	N/A		7:32
			n= 1	n= 0	n= 0	n= 1	n= 0	n= 0		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	21:10	N/A	21:10	N/A	N/A	N/A	N/A	10:52
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A		8:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
		Urban	8:00	N/A	8:00	6:10	N/A	7:00		7:10
			n= 5	n= 0	n= 4	n= 1	n= 0	n= 3		
		Interstate	9:00	N/A	N/A	9:00	N/A	N/A		10:10
			n= 1	n= 0	n= 0	n= 1	n= 0	n= 0		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	22:10	N/A	22:10	N/A	N/A	N/A	N/A	13:30
			n= 1	n=	n= 1	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported										
Note *: July 1, 2017 response plans were updated to reflect the 2017 Standards of Cover Critical Task Analysis, adding a second Chief Officer to serve as a dedicated Safety Officer or Group/Division Supervisor.										

Wildland: High Risk Station 155

Station 155										
Wildland: High Risk			2017 - 2021	2021	2020	2019	2018	2017* Post CTA Update	2017* Pre CTA Update	Benchmark
Call Processing			1:43	0:35	N/A	1:43	1:08	1:18		1:00
			n= 5	n= 1	n= 0	n= 1	n= 1	n= 2		
Turnout			2:20	1:28	N/A	0:45	2:20	1:44		1:38
			n= 5	n= 1	n= 0	n= 1	n= 1	n= 2		
Travel Time	1st Due	Rural	6:40	6:40	N/A	N/A	N/A	N/A		5:32
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0		
		Urban	9:50	N/A	N/A	5:10	4:50	9:50		4:32
			n= 4	n= 0	n= 0	n= 1	n= 1	n= 2		
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A		7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14:02
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	8:40	8:40	N/A	N/A	N/A	N/A		8:10
			n= 1	n= 1	n= 0	n= 0	n= 0	n= 0		
		Urban	12:00	N/A	N/A	7:30	8:20	12:00		7:10
			n= 4	n= 0	n= 0	n= 1	n= 1	n= 2		
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A		10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0		
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16:40
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If Incident count (n=) is less than 10, a maximum time is reported										
Note *: July 1, 2017 response plans were updated to reflect the 2017 Standards of Cover Critical Task Analysis, adding a second Chief Officer to serve as a dedicated Safety Officer or Group/Division Supervisor.										

Appendix H: Technical Rescue Data Tables

The following data tables detail the department's technical rescue performance from 2017– 2021 against adopted standards by risk level (low, moderate, and high) and three different planning levels;

- Tech Rescue: Low Risk
  - Jurisdiction (CRFD)

    NOTE: Insufficient data for station or planning zone analysis

- Tech Rescue: Moderate Risk – Extrication
  - Jurisdiction (CRFD)

    NOTE: Insufficient data for station or planning zone analysis

- Tech Rescue: High Risk – Building Collapse
  - Jurisdiction (CRFD)

    NOTE: Insufficient data for station or planning zone analysis

- Tech Rescue: High Risk – Confined Space
  - Jurisdiction (CRFD)

    NOTE: Insufficient data for station or planning zone analysis

- Tech Rescue: High Risk – Trench Rescue
  - Jurisdiction (CRFD)

    NOTE: Insufficient data for station or planning zone analysis

Technical Rescue: Low Risk

CRFD									
Tech Rescue: Low Risk (emergent)			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:50	3:55	1:15	2:50	0:38	1:30	1:00
			n= 21	n= 7	n= 4	n= 4	n= 2	n= 4	
Turnout			1:21	1:17	1:26	1:41	1:16	1:15	1:38
			n= 21	n= 6	n= 4	n= 4	n= 3	n= 4	
Travel Time	1st Due	Rural	5:50	5:50	N/A	0:02	5:20	4:40	5:32
			n= 6	n= 3	n= 0	n= 1	n= 1	n= 1	
		Urban	6:10	4:10	5:10	4:00	6:50	6:10	4:32
			n= 16	n= 4	n= 4	n= 3	n= 2	n= 3	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	7:20	N/A	N/A	6:00	N/A	7:20	6:12
			n= 2	n= 0	n= 0	n= 1	n= 0	n= 1	
		Urban	8:50	8:50	3:30	5:20	N/A	6:10	
			n= 6	n= 2	n= 2	n= 1	n= 0	n= 1	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	9:40	9:40	N/A	4:30	7:20	6:10	8:10
			n= 6	n= 3	n= 0	n= 1	n= 1	n= 1	
		Urban	8:10	6:30	7:00	5:40	8:30	8:10	7:10
			n= 15	n= 4	n= 4	n= 3	n= 1	n= 3	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	8:50	N/A	N/A	7:30	N/A	8:50	8:50
			n= 2	n= 0	n= 0	n= 1	n= 0	n= 1	
		Urban	11:20	11:20	6:00	7:00	N/A	7:30	
			n= 6	n= 2	n= 2	n= 1	n= 0	n= 1	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

Tech Rescue: Moderate Risk – Rope Rescue

CRFD									
Tech Rescue: Moderate: Rope			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			2:00	N/A	2:00	1:39	1:48	3:31	1:00
			n= 10	n= 0	n= 1	n= 3	n= 4	n= 2	
Turnout			1:44	N/A	1:31	3:03	1:44	1:23	1:38
			n= 10	n= 0	n= 1	n= 3	n= 4	n= 2	
Travel Time	1st Due	Rural	8:40	N/A	N/A	4:20	8:40	N/A	5:32
			n= 4	n= 0	n= 0	n= 1	n= 3	n= 0	
		Urban	6:20	N/A	4:00	4:00	3:40	6:20	4:32
			n= 6	n= 0	n= 1	n= 2	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	3:40	N/A	N/A	N/A	3:40	N/A	10:52
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	11:50	N/A	N/A	6:10	11:50	N/A	8:10
			n= 4	n= 0	n= 0	n= 1	n= 3	n= 0	
		Urban	10:20	N/A	7:30	7:40	5:50	10:20	7:10
			n= 6	n= 0	n= 1	n= 2	n= 1	n= 2	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	8:50	N/A	N/A	N/A	8:50	N/A	13:30
			n= 1	n= 0	n= 0	n= 0	n= 1	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

Tech Rescue: Moderate Risk – Extrication

CRFD									
Tech Rescue: MVC: Extrication			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:47	1:46	2:16	1:36	1:42	1:38	1:00
			n= 646	n= 126	n= 98	n= 144	n= 128	n= 150	
Turnout			1:50	1:44	1:51	1:41	1:52	1:50	1:38
			n= 633	n= 117	n= 96	n= 146	n= 127	n= 147	
Travel Time	1st Due	Rural	6:40	6:50	6:40	6:40	6:30	5:40	5:32
			n= 186	n= 36	n= 29	n= 32	n= 39	n= 50	
		Urban	5:00	5:10	5:00	5:10	4:50	4:40	4:32
			n= 326	n= 69	n= 50	n= 79	n= 56	n= 72	
		Interstate	8:30	7:30	7:10	7:40	9:10	10:10	7:32
			n= 141	n= 23	n= 21	n= 34	n= 35	n= 28	
	ERF	Rural	16:30	5:50	10:40	16:30	17:40	14:40	13:22
			n= 11	n= 1	n= 2	n= 4	n= 2	n= 2	
		Urban	16:30	10:10	8:30	18:20	16:30	14:20	
			n= 17	n= 5	n= 1	n= 3	n= 4	n= 4	
		Interstate	22:50	7:20	13:30	24:00	17:20	13:30	
			n= 17	n= 1	n= 2	n= 5	n= 4	n= 5	
Total Response Time	1st Due	Rural	9:00	10:00	8:50	8:50	9:00	7:50	8:10
			n= 184	n= 36	n= 29	n= 31	n= 39	n= 49	
		Urban	7:30	7:50	8:10	7:20	6:50	7:10	7:10
			n= 327	n= 69	n= 50	n= 79	n= 56	n= 73	
		Interstate	10:50	10:00	8:50	10:50	12:40	13:40	10:10
			n= 141	n= 23	n= 20	n= 34	n= 36	n= 28	
	ERF	Rural	18:20	11:20	13:00	18:20	19:20	16:50	16:00
			n= 11	n= 1	n= 2	n= 4	n= 2	n= 2	
		Urban	19:10	13:20	10:00	20:40	19:10	16:50	
			n= 17	n= 5	n= 1	n= 3	n= 4	n= 4	
		Interstate	25:40	9:20	15:40	25:50	19:10	16:30	
			n= 16	n= 1	n= 2	n= 5	n= 4	n= 4	
If the incident count (n=) is less than 10, a maximum time is reported									

Tech Rescue: High Risk – Building Collapse

CRFD									
Tech Rescue: High Risk - Collapse			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			3:35	N/A	2:13	N/A	N/A	3:35	1:00
			n= 4	n= 0	n= 2	n= 0	n= 0	n= 2	
Turnout			2:04	N/A	0:43	N/A	N/A	2:04	1:38
			n= 4	n= 0	n= 2	n= 0	n= 0	n= 2	
Travel Time	1st Due	Rural	6:40	N/A	3:20	N/A	N/A	6:40	5:32
			n= 3	n= 0	n= 1	n= 0	n= 0	n= 2	
		Urban	0:40	N/A	0:40	N/A	N/A	N/A	4:32
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	12:30	N/A	4:30	N/A	N/A	12:20	8:10
			n= 2	n= 0	n= 1	n= 0	n= 0	n= 1	
		Urban	3:00	N/A	3:00	N/A	N/A	N/A	7:10
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

Tech Rescue: High Risk - Confined Space

CRFD									
Tech Rescue: High Risk - ConSpace			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			3:18	N/A	3:18	N/A	N/A	N/A	1:00
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
Turnout			0:00	N/A	0:00	N/A	N/A	N/A	1:38
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
Travel Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	5:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	12:00	N/A	12:00	N/A	N/A	N/A	4:32
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	N/A	N/A	N/A	N/A	N/A	N/A	8:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	15:20	N/A	15:20	N/A	N/A	N/A	7:10
			n= 1	n= 0	n= 1	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

Tech Rescue: High Risk – Trench Rescue

CRFD									
Tech Rescue: High Risk - Trench			2017 - 2021	2021	2020	2019	2018	2017	Benchmark
Call Processing			1:16	N/A	N/A	N/A	N/A	1:16	1:00
			n= 1	n= 0	n= 0	n= 0	n= 0	n= 1	
Turnout			0:20	N/A	N/A	N/A	N/A	0:20	1:38
			n= 1	n= 0	n= 0	n= 0	n= 0	n= 1	
Travel Time	1st Due	Rural	4:00	N/A	N/A	N/A	N/A	4:00	5:32
			n= 1	n= 0	n= 0	n= 0	n= 0	n= 1	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	4:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	7:32
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	10:52
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
Total Response Time	1st Due	Rural	5:40	N/A	N/A	N/A	N/A	5:40	8:10
			n= 1	n= 0	n= 0	n= 0	n= 0	n= 1	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	7:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	10:10
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
	ERF	Rural	N/A	N/A	N/A	N/A	N/A	N/A	13:30
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Urban	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
		Interstate	N/A	N/A	N/A	N/A	N/A	N/A	
			n= 0	n= 0	n= 0	n= 0	n= 0	n= 0	
If the incident count (n=) is less than 10, a maximum time is reported									

Appendix I: Program Outcome Summary

This section summarizes the adopted performance outputs and outcomes for various program the Castle Rock Fire and Rescue Department provides. This section shall be updated at least annually are part of CRFDs annual program appraisal process.

Criterion 5A: Prevention Program

- Building plan reviews are completed within the 10-day allotted timeframe 95% of the time

	2017	2018	2018	2020	2021
Plan Review	94%	96%	98%	97%	98%
	1391	1193	1181	1302	1394

Note: Injuries and fatality outcomes due to fire are detailed in Criterion 5E Fire Suppression and 5K Wildland Fire Program

Criterion 5B: Public Education Program

- Periodic assessment of the demographics that make up the community within the district, allows for up-to-date educational opportunities

Risk/Year	2017	2018	2019	2020	2021
Safer Senior	N/A	-33%	+2%	+8%	-31%
	136	91	93	100	69
PulsePoint	N/A	N/A	N/A	5205	6034
	N/A	N/A	N/A	N/A	+16%

Criterion 5C: Fire Investigation, Origin, and Cause Program

- It is the goal of the Fire Investigation, Origin, and Cause program to provide a definitive cause for 95% of the investigations conducted.
- The goal of the Fire Investigation, Origin, and Cause program is to receive a conviction in 100% of cases filed with the District Attorney or Municipal Court for cases involving an incendiary cause, or referral to the Youth Fire Education Program where applicable.
- In cases of Hazardous Material spill investigations, the program goal is to ensure the spiller has properly cleaned up and disposed of any waste materials in accordance with the IFC, and to seek cost recovery as allowed by CRS 95 % of the time. (2022 goal)

	2017	2018	2019	2020	2021	17-21
Total	**28**	**32**	**27**	**34**	**36**	**157**
Incendiary	10	1	1	16	11	39
Accidental	12	28	24	18	12	94
Unknown	6	3	2	0	1	12
Compliance	85%	91%	93%	100%	97%	92%

Summons/Case	2	2	4	6	6	20
Conviction	1	2	4	6	6	19
Compliance	50%	100%	100%	100%	100%	95%

Criterion 5D: Domestic Preparedness Program

- Develop and maintain open and active relationships and partnerships with local, regional, and state public safety partners, non-governmental organizations, local businesses, and community groups.
- Ensure that all document that comprise the comprehensive emergency management program are updated at least every five years.

	1-2 yrs	2-4 yrs	>4 yrs
EOP		2019	
COOP			2017
Recovery Plan			N/A
LHMP	2021		

Criterion 5E: Fire Suppression Program

- Confine 100% of structure fires to the building of origin and 70% of structure fires to the room of origin.
- Limit civilian and responder injuries and fatalities to zero

	Outcome Compliance				
Building or Floor	100%	70%	100%	100%	100%
Room or Object	64%	39%	50%	43%	80%

	Injury / Fatality				
	2017	2018	2019	2020	2021
Civilian Injury	1	1	0	2	2
Fire Service Injury	1	0	1	0	1
Civilian Fatality	0	0	0	0	0
Fire Service Fatality	0	0	0	0	0

Criterion 5F: Emergency Medical Services (EMS) Program

- Assess and establish a program that can report to us the data and evidence that our treatment modalities increase the chances of positive outcomes in overall patient care
- Stroke alerts: 90% are identified in the field and 80% or greater are not stood down
- STEMI: 90% identified in the field and first patient contact to balloon time is 70 minutes or less
- Maintain a 3.8 or high average score on all QA/QI review
- CRFD cardiac arrest save rate, (as validated by Colorado CARES) is equal to or exceeds the national average.

	Outcome				
	2017	2018	2019	2020	2021
Stroke Alert	N/A	N/A	N/A	N/A	97%
EMS to Balloon Time (avg)	N/A	N/A	N/A	N/A	73 min
70 min compliance	N/A	N/A	N/A	N/A	26%
CRFD Save Rate	N/A	N/A	N/A	N/A	17%
National Average	N/A	N/A	N/A	N/A	8.6%
QA/QI Score	3.88	3.98	3.97	3.98	3.96

Criterion 5G: Technical Rescue Program

- Limit civilian fatalities to zero on all technical rescue incidents
- Limit responder injuries and fatalities to zero on all technical rescue incidents
- Maintain the appropriate level of training for each member, per discipline and equipment available in each station

	Outcome Performance				
	2017	2018	2019	2020	2021
Civilian Fatalities	0	0	0	0	0
Responder Injuries	0	0	0	0	0
Responder Fatalities	0	0	0	0	0
Tech Rescue Training	*TBD*	*TBD*	*TBD*	*TBD*	*TBD*

Criterion 5H: Hazardous Materials (HAZMAT) Program

- Contain 90% of all non-carbon monoxide related hazardous material releases prior to a negative impact to the environment, community, or population.
  - Community: Evacuation >3 hours; use of resources or service interruption >2 hours; road closure >1 hour
  - Environment: Release of any HAZMAT into a storm drain, waterway or unrecoverable permeable soil
  - Population: Any injury, illness or death related to an immediate or prolonged exposure

	Outcomes				
	2017	2018	2019	2020	2021
Overall	N/A	85%	79%	79%	83%
Community	N/A	4	9	11	7
Environment	N/A	-	1	2	1
Population	N/A	-	-	-	-

Criterion 5K: Wildland Fire Program

- Limit civilian and responder injuries and fatalities to zero, regardless of wildland fire incident type or size.
- Contain all non-threatening brush fires to 10 acres or less 90% of the time
- Contain all threatening brush fires to zero loss of fixed residential and commercial structures

	Outcome Performance				
	2017	2018	2019	2020	2021
Injury	0	0	0	0	0
Fatalities	0	0	0	0	0
<10 acres	94%	100%	100%	100%	100%
Structure	94%	100%	100%	94%	100%

Criterion 11B: Wellness & Fitness Programs

- Increase general health and wellness awareness through regular departmental physicals and access to mental health resources.
    - Maintain a 100% “Fit for Duty” based on department annual physicals
    - Ensure continued access to preventative / recuperative (physical therapy) health resources
    - Ensure continued access to mental health resources

	2017	2018	2019	2020	2021
Fit for Duty	99%	97%	99%	100%	100%
PT Health Resources	N/A	N/A	N/A	N/A	291
Mental Health Visits	N/A	N/A	22	49	37