



Eagle Mountain



Community Risk Assessment

Eagle Mountain City

UFA has three stations within Eagle Mountain City covering a total of 51.4 square miles with a population of 61,686 as of 2024 and responded to 5,047 calls for service from 2022-2024.

| Municipality | Population | Population Percentage of UFA | Square Miles | Population Density per Sq Mile | Classification | Value of Structures Protected |
|-----------------------|------------|------------------------------|--------------|--------------------------------|----------------|-------------------------------|
| Eagle Mountain | 61,686 | 12.85 % | 51.4 | 1,179 | Urban | \$3.2B |

Eagle Mountain City has increased its population from 43,623 in 2020 to 61,686 in 2024, showing an increase of 41.41% over a four-year timeframe.

Eagle Mountain City Station Information

| Station 251 | |
|------------------------|---|
| Owner | UFSA |
| Opened | 2024 |
| Address | 3726 North Pony Express Parkway |
| Staffing and Apparatus | <ul style="list-style-type: none"> 4 Person - Medic Engine 251 (Type 1/3) Cross-Staffed - Medic Ambulance 251 |

| Station 252 | |
|------------------------|---|
| Owner | UFSA |
| Opened | 1999 |
| Address | 3785 East Pony Express Parkway |
| Staffing and Apparatus | <ul style="list-style-type: none"> 4 Person - Medic Engine 252 (Type 1) Cross-Staffed - Medic Ambulance 252 |

| Station 253 | |
|--------------------|----------------------|
| Owner | UFSA |
| Opened | 2024 |
| Address | 1208 Mid Valley Road |

| | |
|------------------------|--|
| Staffing and Apparatus | <ul style="list-style-type: none"> • 4 Person - Medic Ladder 253 (Type 1) • 2 Person - Medic Ambulance 253 • Cross-Staffed - WTT 253 (Type 1) • Cross-Staffed - Engine 6253 (Type 6) |
|------------------------|--|

Surrounding UFA and Automatic/Mutual Aid Response Stations

Surrounding fire stations and fire departments that are within an eight-minute response to Eagle Mountain City are:

| Station Number | City Location | Staffing |
|----------------|------------------|---|
| Station 261 | Saratoga Springs | <ul style="list-style-type: none"> • 2 Person - Ladder 261 (Type 1) • 2 Person - Medic Ambulance 261 • Cross-Staffed - Brush 261 (Type 6) • Cross-Staffed - A/L 261 |
| Station 262 | Saratoga Springs | <ul style="list-style-type: none"> • 2 Person - Engine 262 (Type 1) • 2 Person - Medic Ambulance 262 • Cross-Staffed - Brush 262 (Type 6) • Seasonal - Brush 263 (Type 3) |

Eagle Mountain City – Incidents by Dispatch Type

| | CY 2022 | CY 2023 | CY 2024 |
|--------------------------|--------------|--------------|--------------|
| Fire Suppression | 45 3% | 32 1.9% | 50 2.7% |
| EMS | 1108 73.1% | 1240 72.6% | 1299 71.3% |
| HazMat | 40 2.6% | 49 2.9% | 66 3.7% |
| Service Call | 23 1.5% | 42 2.5% | 29 1.6% |
| Good Intent | 186 12.3% | 180 10.5% | 167 9.2% |
| False Call | 111 7.3% | 161 9.4% | 205 11.2% |
| Natural Condition | 2 0.1% | 0 0% | 2 0.1% |
| Other Situation | 1 0.1% | 4 0.2% | 5 0.3% |
| Unknown | 0 0% | 0 0% | 0 0% |
| Total | 1516 100% | 1708 100% | 1823 100% |

Table 1 - Incidents by Dispatch Type

Eagle Mountain City – 2022-2024 Dispatch and Response Times – Emergent First Due

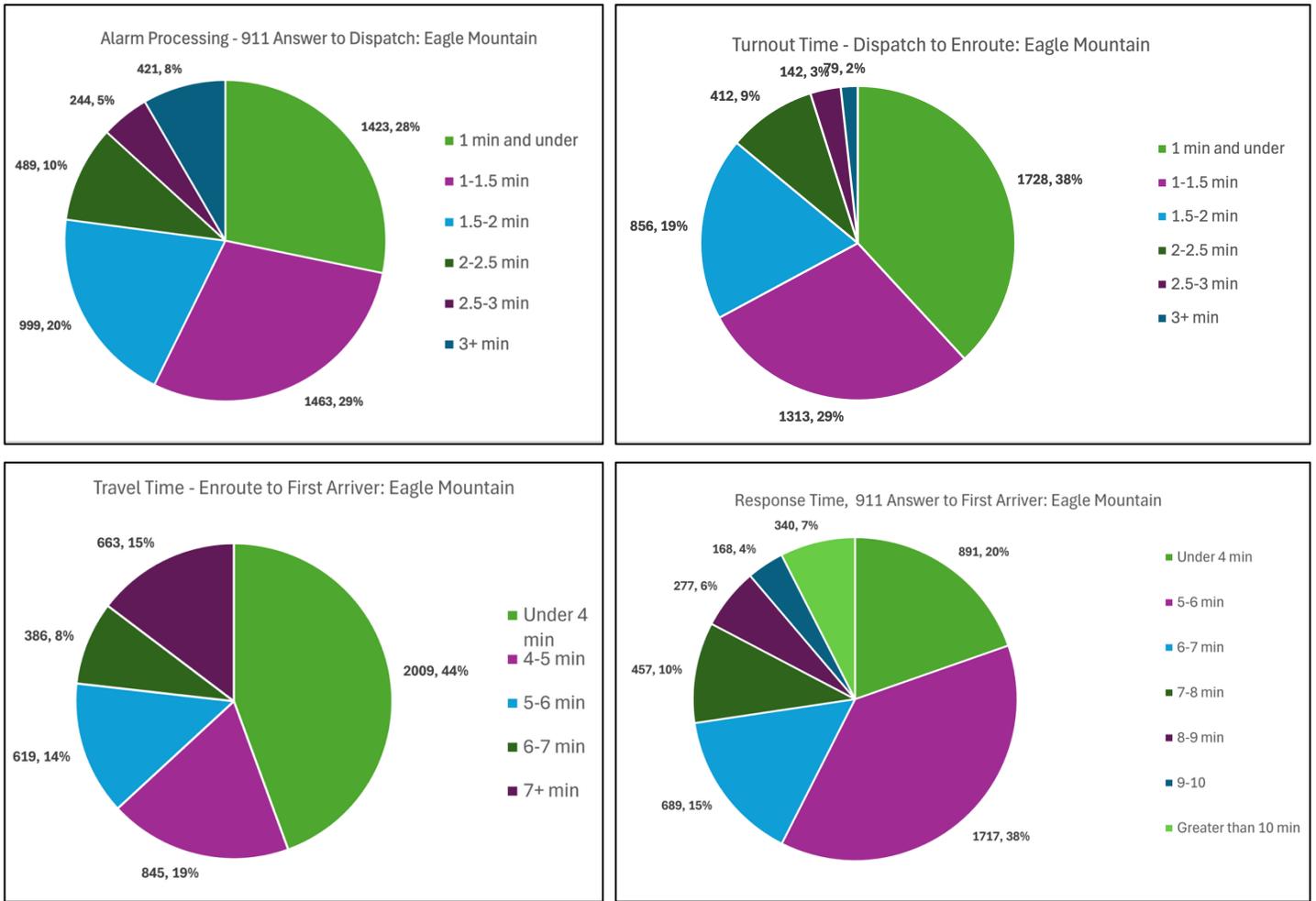


Chart 1 - Dispatch and Response Times

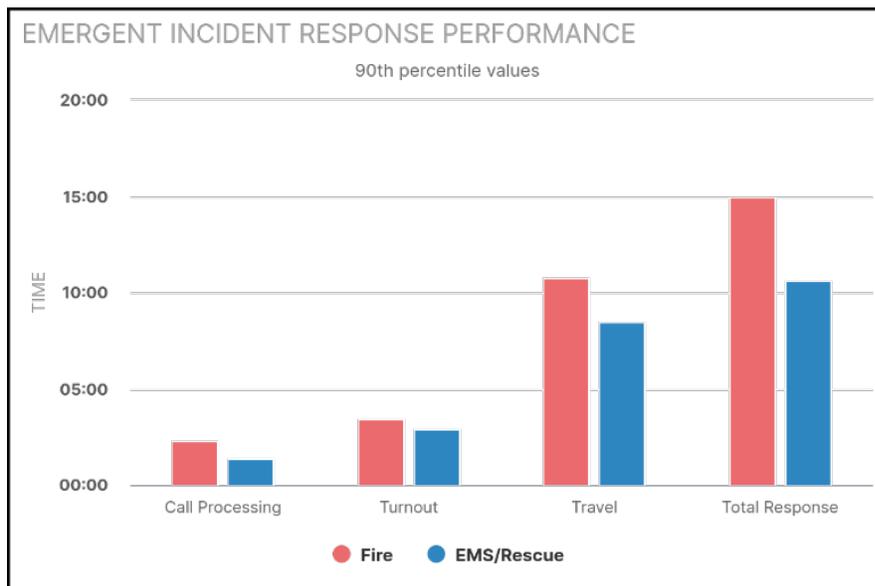


Chart 2 - Emergent Incident Response Performance

| Urban | Call Processing Fire | Turnout Time: Fire | Travel Time: Fire | Total Response Fire | Call Processing: EMS | Turnout Time: EMS | Travel Time: EMS | Total Response: EMS |
|----------------------------|----------------------|--------------------|-------------------|---------------------|----------------------|-------------------|------------------|---------------------|
| Eagle Mountain 2022 | 2:22 | 2:54 | 9:58 | 12:49 | 1:34 | 2:42 | 09:00 | 11:45 |
| Eagle Mountain 2023 | 1:13 | 3:27 | 11:03 | 13:46 | 0:48 | 2:50 | 8:27 | 10:54 |
| Eagle Mountain 2024 | 1:18 | 3:00 | 9:29 | 11:40 | 0:44 | 3:01 | 8:14 | 10:34 |
| UFA Urban 2022-2024 | 2:43 | 2:20 | 7:17 | 10:51 | 2:15 | 2:06 | 6:11 | 9:11 |
| UFA Rural 2022-2024 | 2:59 | 2:22 | 14:56 | 17:48 | 2:51 | 2:18 | 14:29 | 18:22 |
| NFPA 1710 | 1:04 | 1:20 | 4:00 | 6:24 | 1:00 | 1:00 | 4:00 | 6:00 |

Table 2 – Emergent Response Times, 90th percentile values

Eagle Mountain City – 2022-2024 Total Response Time

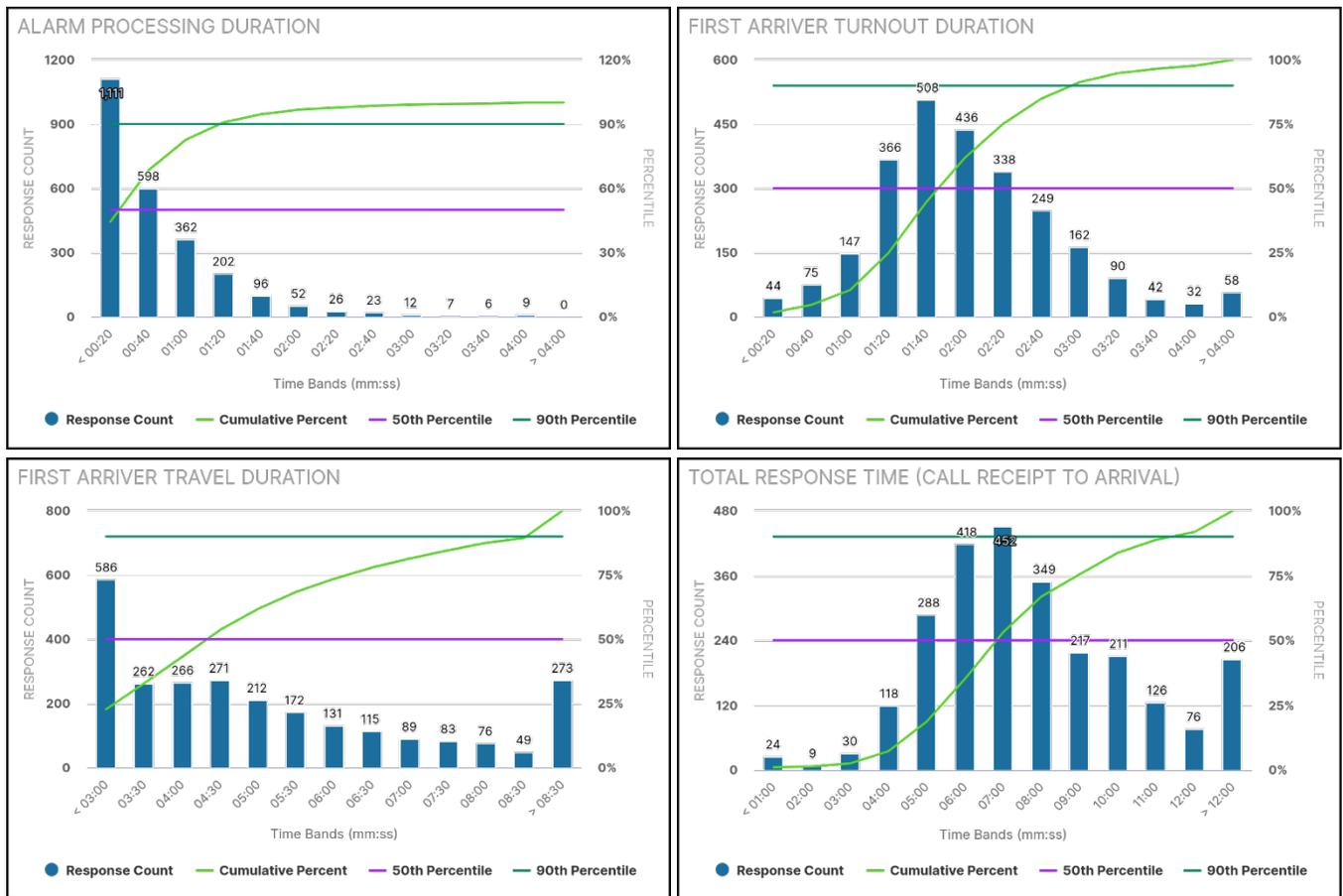


Chart 3 - Turnout and Travel Times

The charts above illustrate alarm processing, turnout, travel, and total response times for all units responding to service calls within Eagle Mountain City (90th percentile).

Eagle Mountain:2022-2024 Incidents by Time of Day

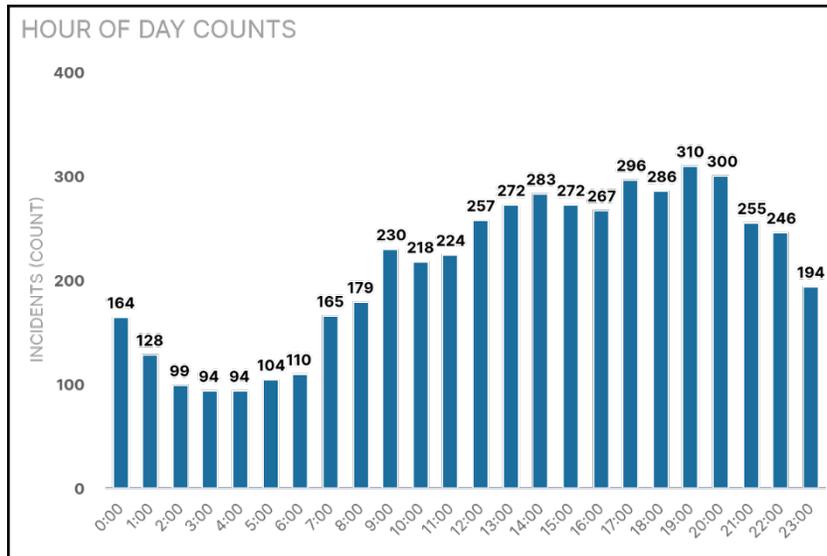


Chart 4 – Incidents by Time of Day

This table demonstrates the incidents by time of day and the time of greatest demand within Eagle Mountain for all service calls.

Eagle Mountain City– 2022-2024 Incidents by Day of Week

This chart presents incident volume by day of the week and demonstrates that demand peaks on Monday, with relatively consistent call volume throughout the remainder of the week.

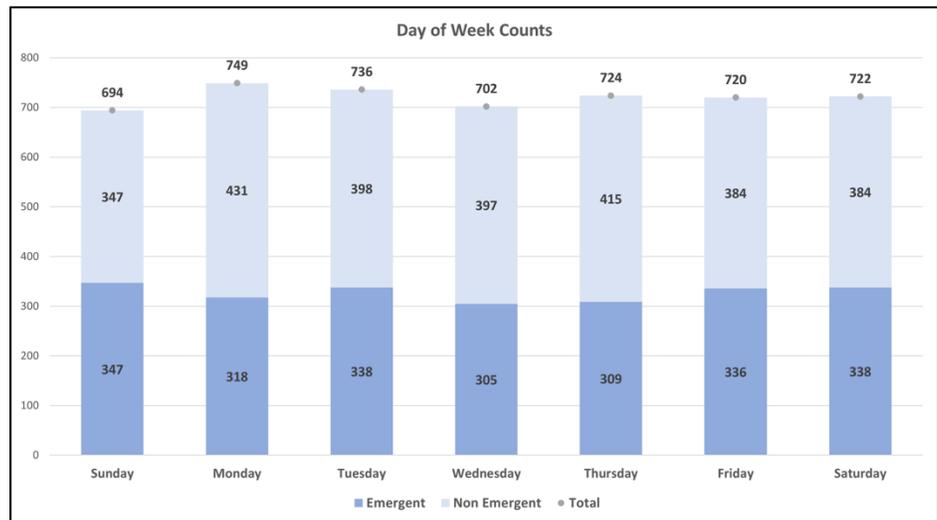


Chart 5 – Incidents by Day of Week

Eagle Mountain City – 2022-2024 EMS Calls and Ambulance Transports

| Total EMS Calls | Total Ambulance Transports | % Of EMS Calls Requiring Transport |
|-----------------|----------------------------|------------------------------------|
| 3,647 | 2,176 | 60% |

Table 3 - EMS Calls and Ambulance Transports

Eagle Mountain City – 2022-2024 EMS Incidents by Dispatch Type

| EMS Call Type | Incident Count |
|-------------------|----------------|
| Sick Person | 689 |
| Heart Problem | 282 |
| Fall | 249 |
| Breathing Problem | 240 |
| Seizure | 216 |

Table 4 - Top 5 Medical Calls

Eagle Mountain City – 2022-2024 Fire Incidents by Dispatch Type

| NFIRS Description | Incident Count | % of Incidents |
|-------------------------|----------------|----------------|
| Structure Fire | 35 | 27.56% |
| Natural Vegetation Fire | 30 | 23.62% |
| Outside Rubbish Fire | 32 | 25.20% |
| Vehicle Fire | 12 | 9.45% |

| NFIRS Description | Incident Count | % of Incidents |
|----------------------|----------------|----------------|
| Special Outside Fire | 4 | 3.15% |
| Fire, Other | 13 | 10.24% |
| Mobile Property Fire | 1 | 0.79% |
| Total | 127 | 100% |

Table 5 - Incidents by Dispatch Type

Eagle Mountain City – Building Occupancy Classification and Risk Categories

| Occupancy Classification | Low | Moderate | High | Max | Total |
|----------------------------------|--------------|-------------|------------|-----------|--------------|
| Agriculture | 0 | 0 | 0 | 0 | 0 |
| Assembly | 0 | 0 | 0 | 0 | 0 |
| Commercial | 25 | 27 | 8 | 0 | 60 |
| Education | 11 | 2 | 4 | 2 | 19 |
| Government | 1 | 1 | 0 | 0 | 2 |
| Hazardous | 12 | 0 | 0 | 0 | 12 |
| Healthcare | 0 | 0 | 0 | 0 | 0 |
| High Rise | 0 | 0 | 0 | 0 | 0 |
| Industrial | 0 | 0 | 2 | 0 | 2 |
| Mixed Use | 0 | 0 | 0 | 0 | 0 |
| Residential ** | 8716 | 257 | 21 | 0 | 8994 |
| Single Family Residential | 4268 | 4054 | 487 | 9 | 8818 |
| Multi-family Residential | 20 | 32 | 48 | 12 | 112 |
| Unclassified/Storage | 37 | 19 | 32 | 0 | 88 |
| Utility and Miscellaneous | 0 | 0 | 0 | 0 | 0 |
| Total | 13090 | 4392 | 602 | 23 | 18107 |

**** Residential includes single family and multi-family. Breakdowns for those are in a separate row.**

**** Residential includes manufactured homes and unclassified so multi-family and single family may not add up to residential.**

Building Size / Considerations

| | |
|--|--|
| Nonresidential low: 1 - 4,999 sq ft | Residential low: 1 – 1,999 sq ft. |
| Nonresidential moderate: 5,000 – 9,999 sq ft | Residential moderate: 2,000 – 3,999 sq ft. |
| Nonresidential high: 10,000 – 99,999 sq ft | Residential high: 4,000 – 9,999 |
| Nonresidential max: ≥ 100,000 sq ft | Residential max: ≥ 10,000 |

Table 6 – Building Occupancy and Risk Categories

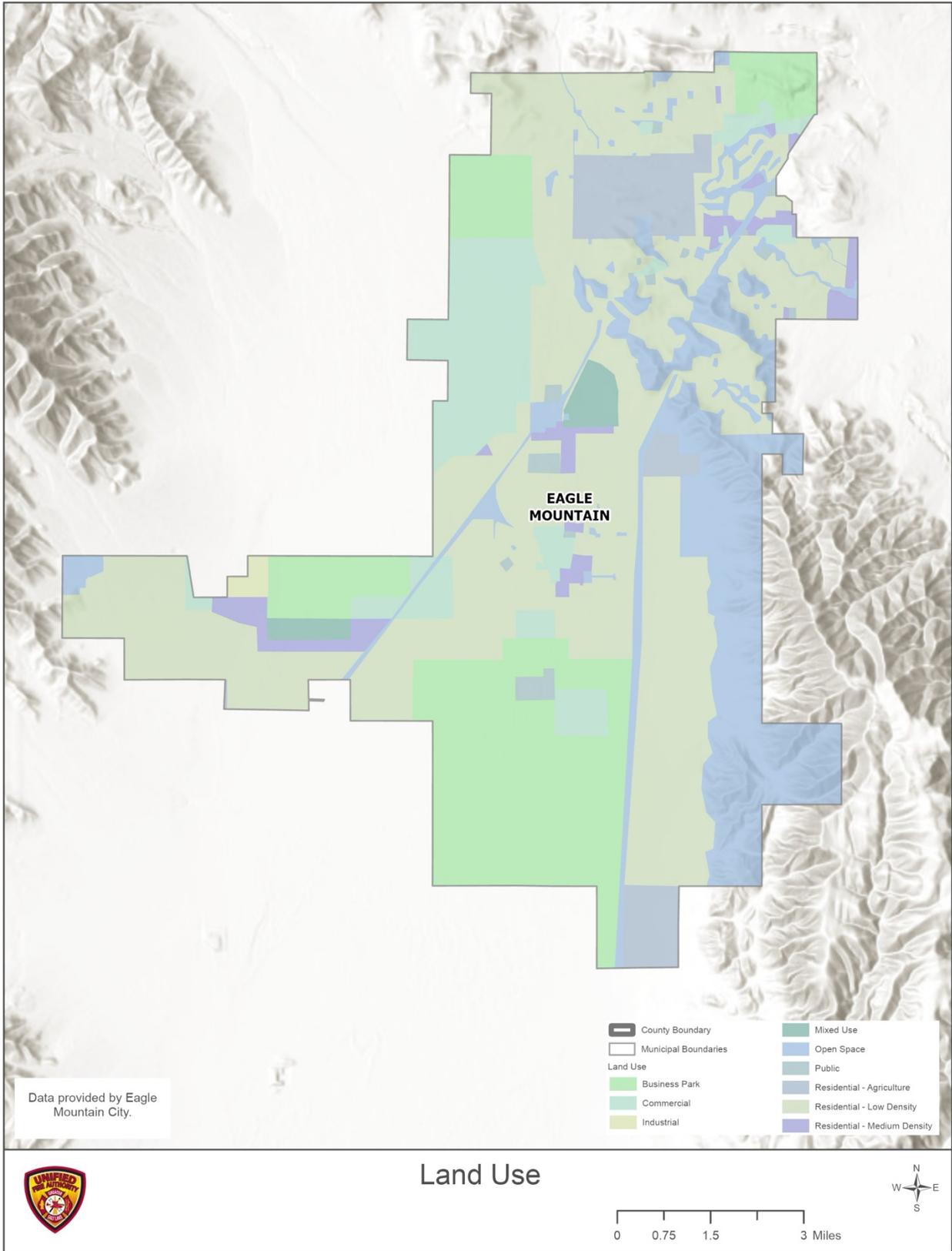
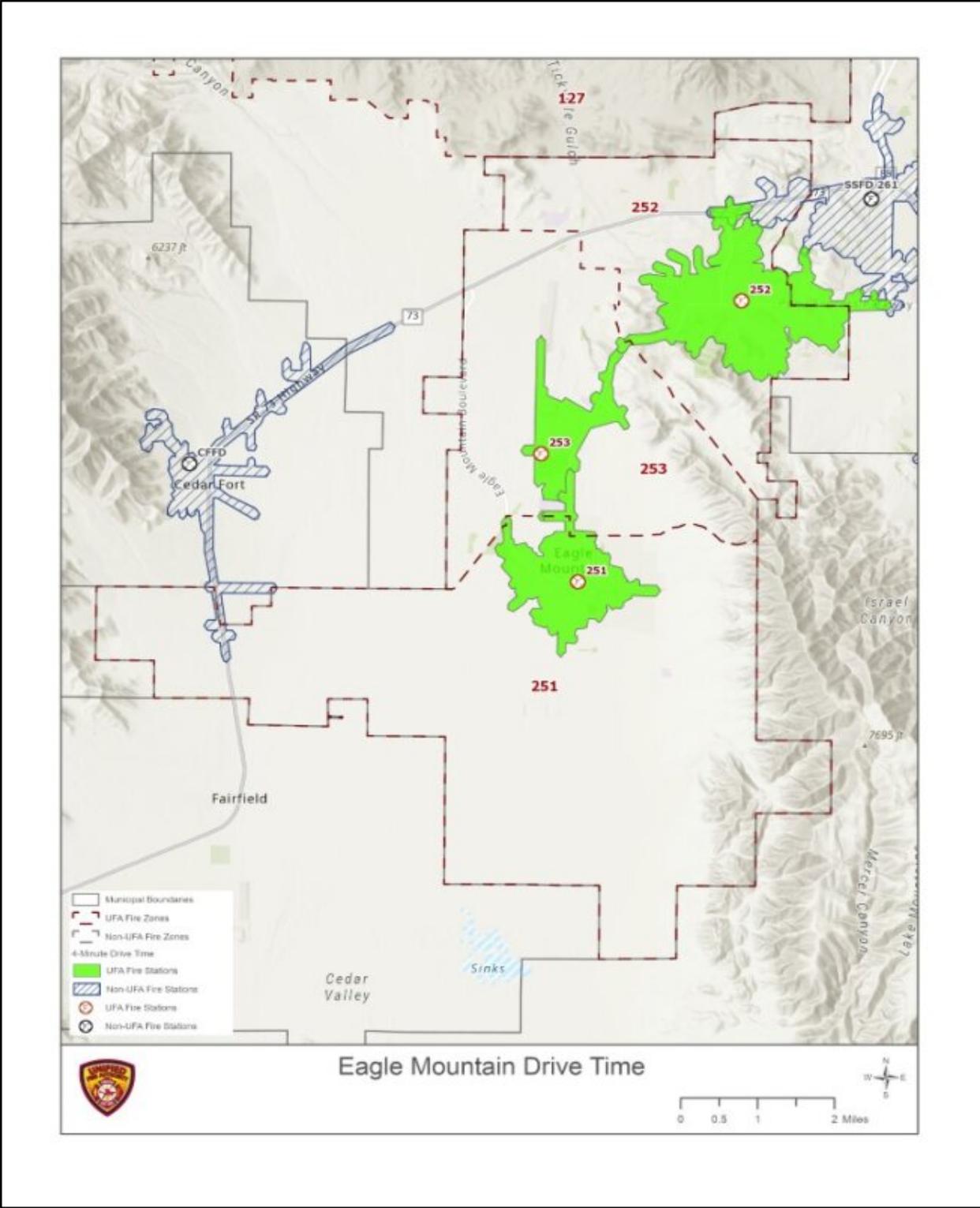


Image 1 - Land Use



Four Minute Response Times - UFA and Non-UFA Stations

September 2022

Legend:

- Municipalities
- Fire Zones
- UFA Fire Stations
- Non-UFA Fire Stations
- 4 Minute Response Times Non-UFA Fire Stations
- 4 Minute Response Times UFA Fire Stations

Image 2 - 4-Minute Travel Times - UFA and Aid

Eagle Mountain – First Arriver Travel Times

The following maps demonstrate the 90th percentile of travel times based off the last three years of historical data (2022-2024). The darker the color is, the more delayed the response, with the green and light colors demonstrating below or near target times. The darker colors on the bar within the key demonstrating longer travel times by apparatus. This map's drive times (or travel times) are based off the current NFPA 1710 standard of four minutes (90th percentile) from notification of the alarm to the arrival of the first arriving apparatus — not an adopted standard by UFA. In 2024, within the City of Eagle Mountain, the 90th percentile drive time is 9:55 for fire and 8:30 for EMS, or a combined 90th percentile drive time of 8:37.

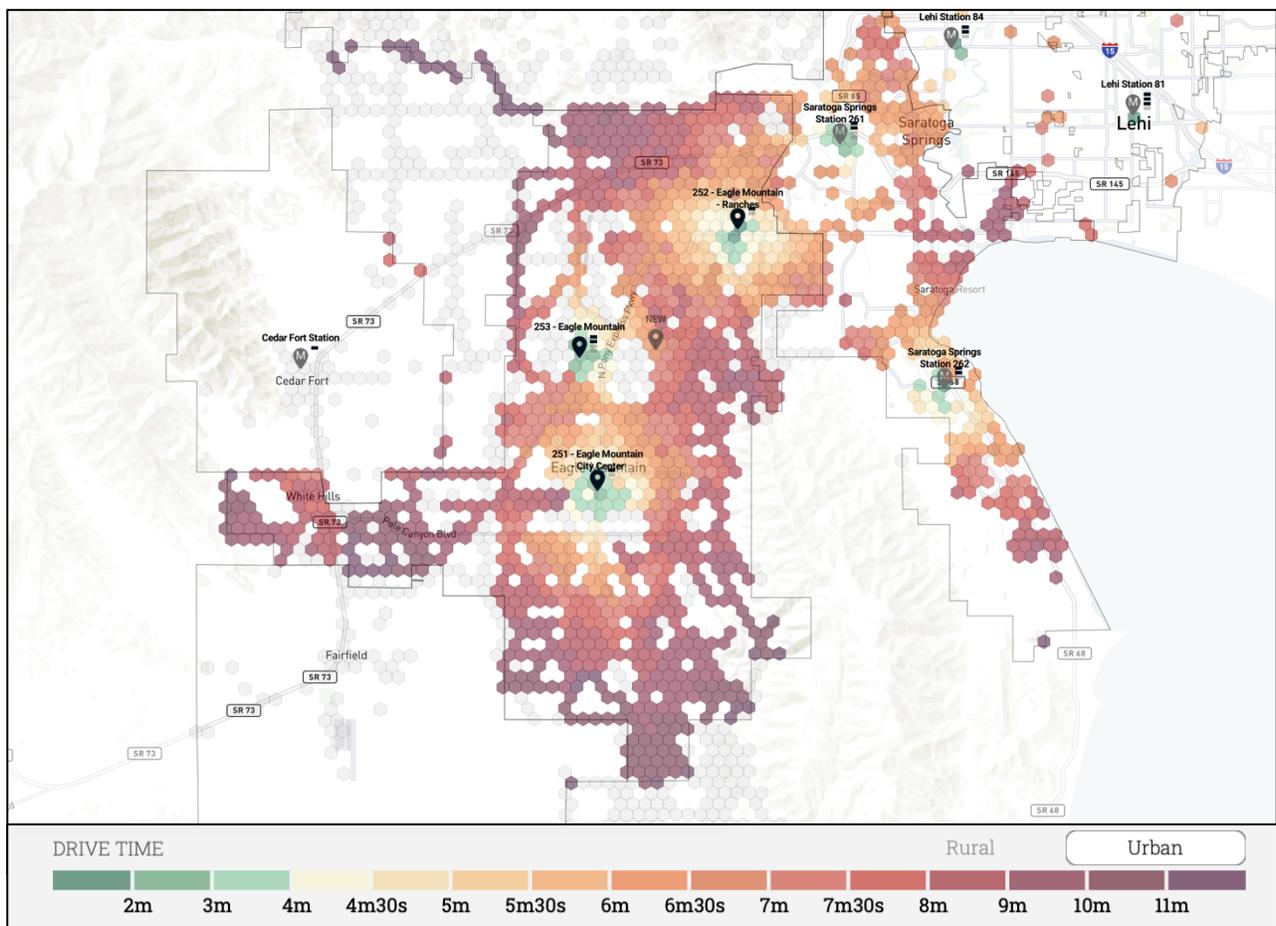


Image 3 - Emergent Response Times - All Aid

Eagle Mountain – Residential Fire Effective Response Force (17 FF)

This map demonstrates the coverage of a multi-unit response to a residential fire based off all apparatus being within their station. The green to light yellow demonstrates the ability to have seventeen firefighters (a residential fire effective response force) on scene based off a residential urban fire force response. This map's drive times (or travel times) are based off the current NFPA 1710 standard of eight minutes (90th percentile) from notification of the alarm to the arrival of the initial full alarm assignment (a minimum of 17 firefighters) for a residential, low, or medium hazard assembly — not an adopted standard by UFA. Based off predictive data, the 90th percentile for 17 firefighters to arrive on scene is 12:32.

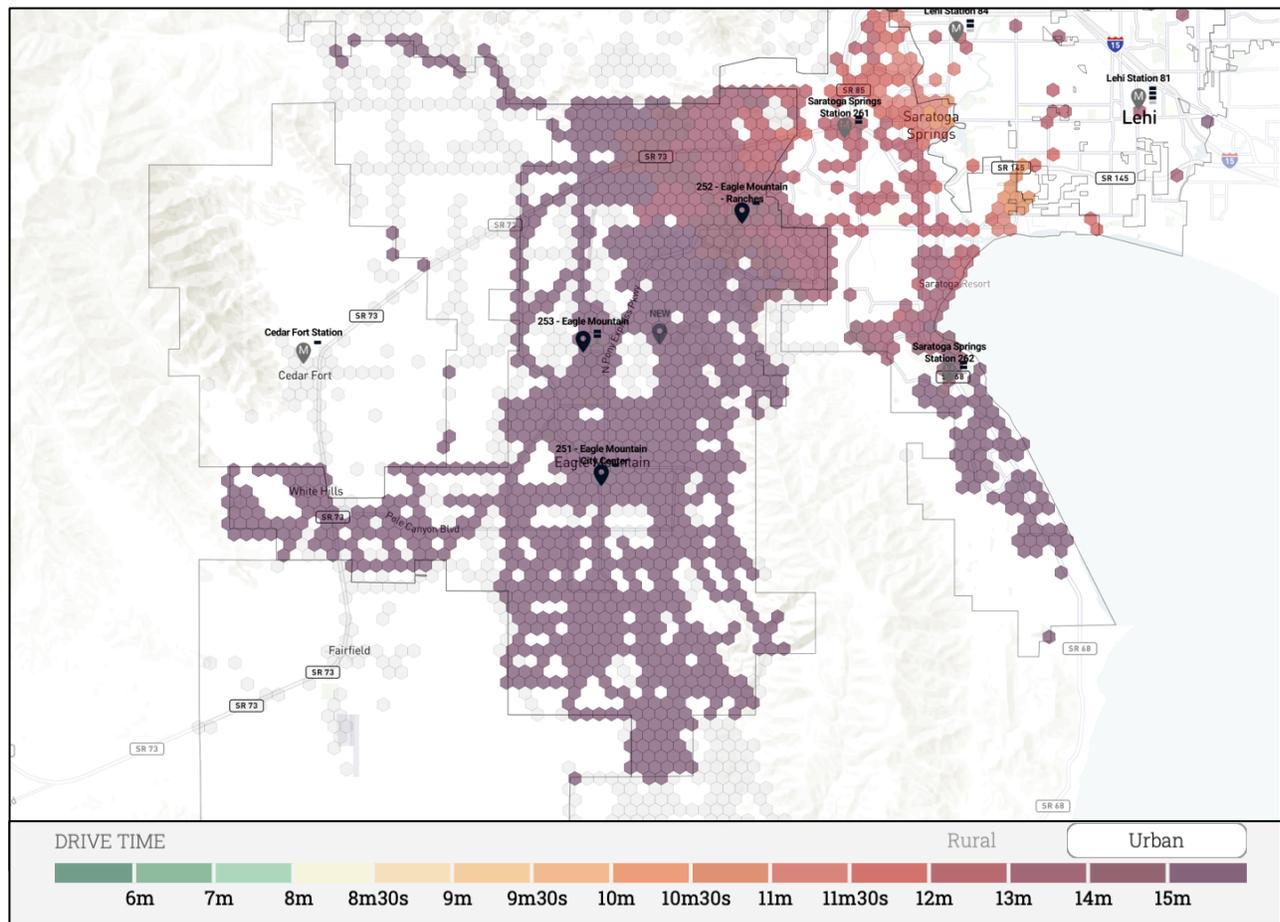


Image 4 - Response Times – Residential Fire Effective Response Force (17 ERF)

Eagle Mountain – Commercial Fire Effective Response Force (28 FF)

This map demonstrates the coverage of a multi-unit response to a commercial fire based off all apparatus being within their station. The green to light yellow demonstrates the ability to have twenty-eight firefighters (a commercial fire effective response force) on scene based off a residential urban fire force response. This map's drive times (or travel times) are based off the current NFPA 1710 standard of ten minutes and 10 seconds (90th percentile) from notification of the alarm to the arrival of the initial full alarm assignment (a minimum of 28 firefighters) for a commercial, high hazard or high-rise assembly — not an adopted standard by UFA. Based off predictive data, the 90th percentile for 28 firefighters to arrive on scene is 15:49.

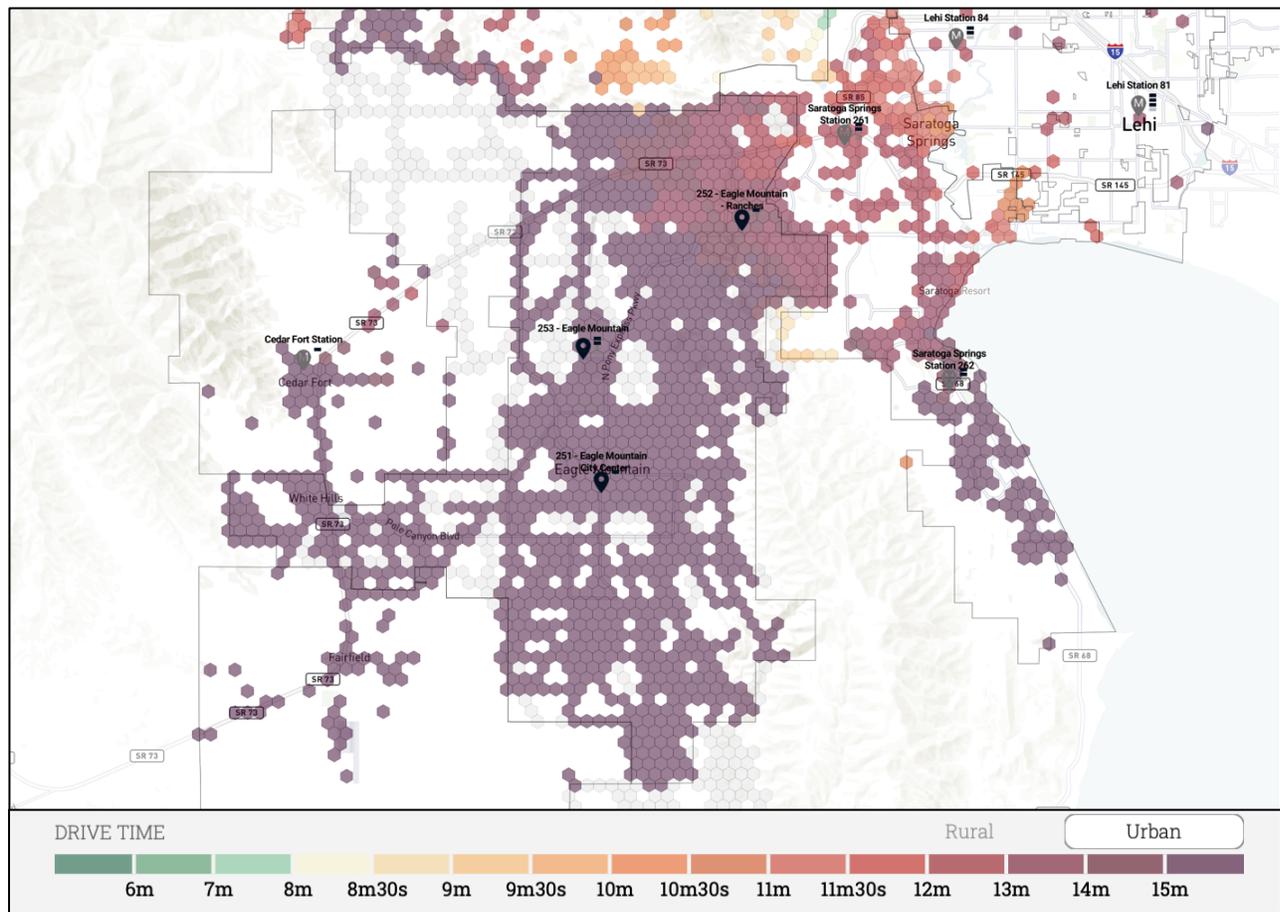


Image 5 - Response Times – Commercial Fire Effective Response Force (28 FF)

Eagle Mountain City Risk Assessments

| Infrastructure – Transportation | Infrastructure – Dams | Earthquake Liquefaction | Earthquake Faults | Avalanche | Unreinforced Masonry | Wildland Urban Interface | Tier II Sites | Hospitals | Schools | ≥100,000 sq ft Structures | Residential Population |
|---------------------------------|-----------------------|-------------------------|-------------------|-----------|----------------------|--------------------------|---------------|-----------|---------|---------------------------|------------------------|
| High | High | Low | Low | Low | Low | High | High | Low | High | Low | High |

| |
|--|
| Transportation: Low Risk = 0-99 Linear Miles; Moderate Risk = 100-199 Linear Miles; High Risk = >200 Linear Miles |
| Dams: Low Risk = 0-3; Moderate Risk = 4-6; High Risk = ≥7 |
| Liquefaction: The areas of liquefaction vary throughout the valley, with areas of high susceptibility running South and East from the Great Salt Lake |
| Earthquake Faults: Low Risk = 0-30,000 LF of fault line; Moderate Risk = 30,001-60,000 LF of fault line; High Risk = ≥60,001 LF of fault line |
| Unreinforced Masonry: Low Risk = 0-100; Moderate Risk = 101-1,000; High Risk = ≥1,001 |
| Wildland Urban Interface: Low Risk = 0-25% WUI; Moderate Risk = 26-50% WUI; High Risk = ≥51% WUI |
| Tier II Sites: Low Risk = 1-5; Moderate Risk = 6-10; High Risk = ≥11 |
| Hospitals: Low Risk = 0; Moderate Risk = 1; High Risk = ≥2 |
| Schools: Low Risk = 0-5; Moderate Risk = 6-10; High Risk ≥11 |
| 100,000 sq ft Buildings: Low Risk = 0-5; Moderate Risk = 6-14; High Risk = ≥15 |
| Population: Low Risk = 1-19,999; Moderate Risk = 20,000-39,999; High Risk = ≥40,000 |

Table 7 - Hazard Matrix

Infrastructure – Transportation

The primary roadway that runs through Eagle Mountain City is State Road 73 which runs east/west between Redwood Road and the Tooele County border. There are 0 linear miles of Interstate/US Highway, 5.78 linear miles of State Highways, and 287 total linear miles of roadway. Eagle Mountain is in the high-risk category for road infrastructure.

Infrastructure – Water

There is one water district within Eagle Mountain City, the Eagle Mountain Water Department.

Infrastructure – Dams

There are eight identified dams within Eagle Mountain City. Eagle Mountain is in the high-risk category for dam infrastructure.

Natural Hazards

Within Eagle Mountain City, there are low concerns with avalanche areas, placing it in the low-risk category for avalanches. There are no identified fault lines that run through the

city. Eagle Mountain is in the low-risk category for liquefaction and low-risk category for fault lines. Eagle Mountain also has zero URM buildings within its city limits.

Wildland Urban Interface

There is high risk of urban interface fires within Eagle Mountain. Eagle Mountain is in the high-risk category for Wildland Urban Interface.

Hazardous Materials / Tier II Sites

There are 12 identified HazMat/Tier II Sites within Eagle Mountain City, which is in the high-risk category.

Hospitals

Eagle Mountain City has no standalone hospitals, which places it in the low-risk category.

Schools

Eagle Mountain has eight elementary schools, two middle schools, one high school, two charter schools and two private schools within city boundaries, which place it in the high-risk category.

Target Hazards – Structures

Some of the target-hazard occupancies in Eagle Mountain include:

- Tyson Foods – 3817 N Tyson Pkwy
- Meta Eagle Mountain Data Center – 1275 North Community Circle
- Walmart Supercenter – 9399 N Spring Run Parkway

Life and Property Loss

From 2022-2024, there have been zero fatalities attributed to fire. There has been a total estimate of \$3,843,715.00 of property loss and a total estimate of \$880,120.00 of content loss due to fire.

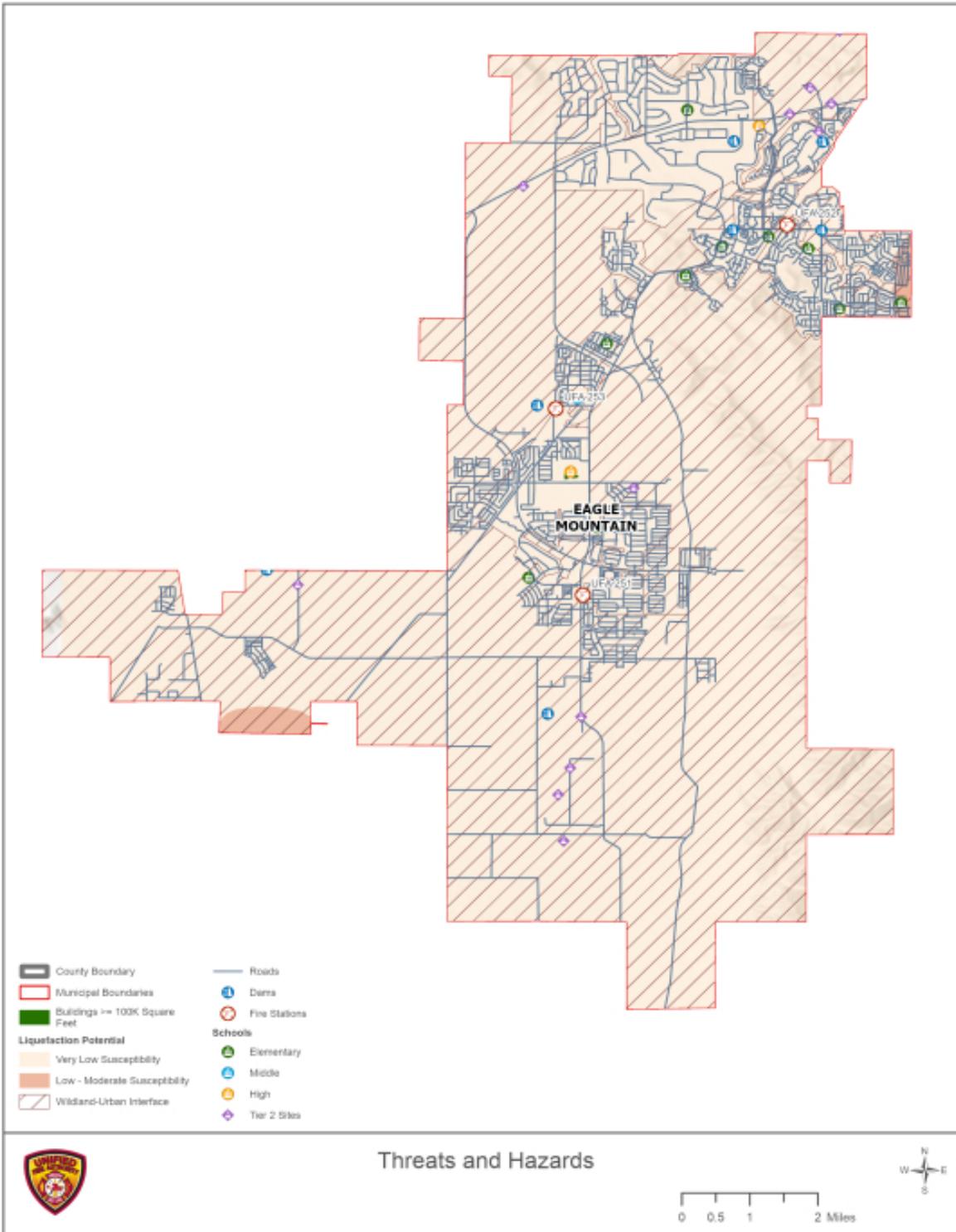


Image 6 - Threats and Hazards

