



Holladay City



Community Risk Assessment

Holladay City

UFA has one station within Holladay City covering a total of 8.5 square miles with a population of 31,260 as of 2024 and responded to 6,571 calls for service from 2022-2024.

| Municipality | Population | Population Percentage of UFA | Square Miles | Population Density per Sq Mile | Classification | Value of Structures Protected |
|---------------|------------|------------------------------|--------------|--------------------------------|----------------|-------------------------------|
| Holladay City | 31,260 | 6.51% | 8.5 | 3,599 | Urban | \$3.6B |

Holladay City has decreased its population from 31,965 in 2020 to 31,260, showing a decrease of 2.2% over a four-year timeframe.

Holladay City Station Information

| Station 104 | |
|------------------------|--|
| Owner | Holladay City |
| Opened | 2013 |
| Address | 2210 East Murray-Holladay Road |
| Staffing and Apparatus | <ul style="list-style-type: none"> 4 Person - Medic Engine 104 (Type 1) 2 Person - Medic Ambulance 104 |

Surrounding UFA and Automatic/Mutual Aid Response Stations

Surrounding fire stations and fire departments that are within an eight-minute response to the City of Cottonwood Heights are:

| Station Number | City Location | Staffing |
|-----------------|----------------|--|
| UFA Station 101 | Millcreek | <ul style="list-style-type: none"> 4 Person - Medic Engine 101 (Type 1) 2 Person - Medic Ambulance 101 Battalion Chief 11 |
| UFA Station 106 | Millcreek City | <ul style="list-style-type: none"> 4 Person - Medic Ladder 106 (Type 1) 2 Person - Medic Ambulance 206 Cross-Staffed - WTT 106 (Type 1) Cross-Staffed - Engine 6106 (Type 6) |
| UFA Station 112 | Millcreek City | <ul style="list-style-type: none"> 4 Person - Medic Engine 112 (Type 1) |

| | | |
|-----------------|----------------------------|--|
| | | <ul style="list-style-type: none"> • Cross-Staffed - Engine 6112 (Type 6) |
| UFA Station 110 | City of Cottonwood Heights | <ul style="list-style-type: none"> • 4 Person - Medic Ladder 110 (Type 1) • 2 Person - Medic Ambulance 110 • Cross-Staffed - Engine 6110 (Type 6) • Battalion Chief 14 |
| UFA Station 116 | City of Cottonwood Heights | <ul style="list-style-type: none"> • 3 Person - Medic Engine 116 (Type 1) • 2 Person - Medic Ambulance 216 (PL Seasonal) |
| UFA Station 126 | Midvale | <ul style="list-style-type: none"> • 4 Person - Medic Engine 126 (Type 1) • 2 Person - Medic Ambulance 126 • Cross-Staffed - HazMat 126 • Operations Chief |
| Station 81 | Murray | <ul style="list-style-type: none"> • 3 Person - Engine 81 (Type 1) • 2 Person - Medic Ambulance 81 • Cross-Staffed - Engine 681 (Type 6) • Battalion Chief 81 |
| Station 82 | Murray | <ul style="list-style-type: none"> • 3 Person - Engine 82 (Type 1) • 2 Person - Medic Ambulance 82 |

Holladay City – Incidents by Dispatch Type

| | CY 2022 | CY 2023 | CY 2024 |
|--------------------------|--------------|--------------|--------------|
| Fire Suppression | 46 2.1% | 29 1.3% | 41 1.8% |
| EMS | 1590 74.1% | 1482 67.5% | 1468 65.9% |
| HazMat | 64 2.9% | 74 3.3% | 66 2.9% |
| Service Call | 62 2.9% | 134 6.1% | 151 6.8% |
| Good Intent | 200 9.3% | 253 11.5% | 260 11.7% |
| False Call | 180 8.4% | 211 9.6% | 225 10.1% |
| Natural Condition | 2 0.1% | 9 0.4% | 3 0.1% |
| Other Situation | 2 0.1% | 5 0.2% | 4 0.2% |
| Unknown | 1 0% | 0 0% | 9 0.4% |
| Total | 2147 100% | 2197 100% | 2227 100% |

Table 1 - Incidents by Dispatch Type

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

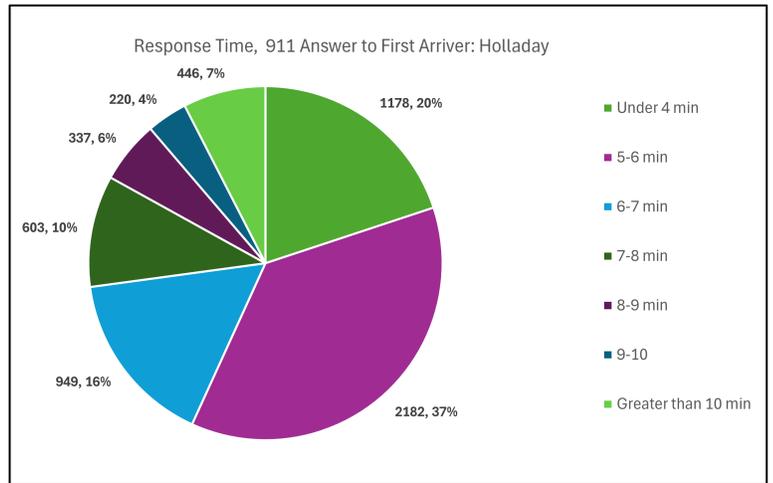
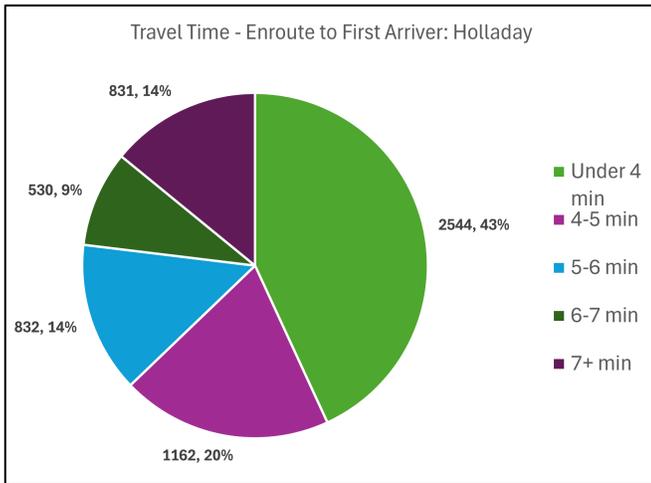
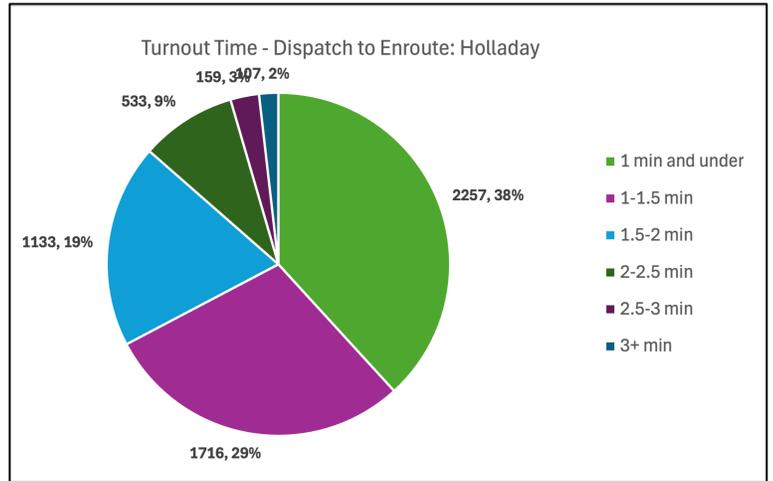
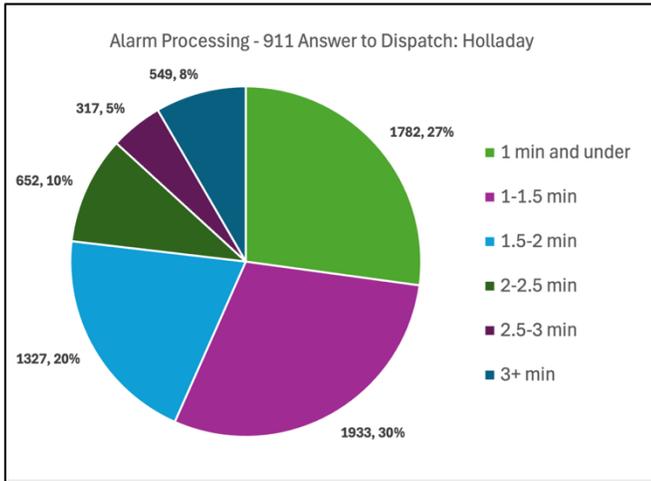


Chart 1 - Dispatch and Response Times

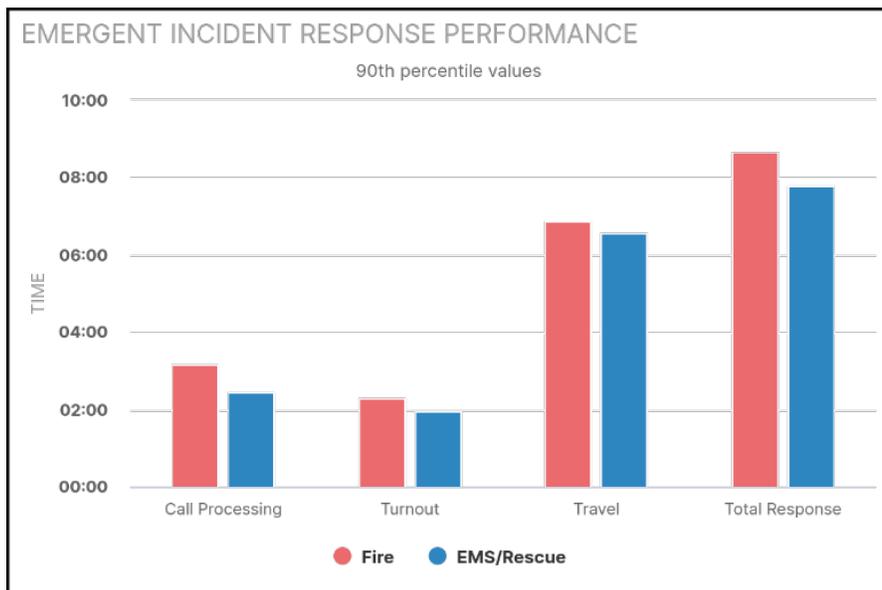


Chart 2 - Emergent Incident Response Performance

| 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 |
|---------------------|-----------------------|--------------------|-------------------|----------------------|----------------------|-------------------|------------------|---------------------|
| Holladay 2022 | 3:03 | 2:12 | 8:31 | 11:38 | 2:25 | 1:54 | 6:28 | 9:29 |
| Holladay 2023 | 2:53 | 2:35 | 8:07 | 12:41 | 2:19 | 1:58 | 6:36 | 9:43 |
| Holladay 2024 | 2:29 | 2:17 | 6:52 | 9:56 | 2:07 | 2:01 | 6:32 | 9:25 |
| 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

Holladay City – 2022-2024 Total Response Times

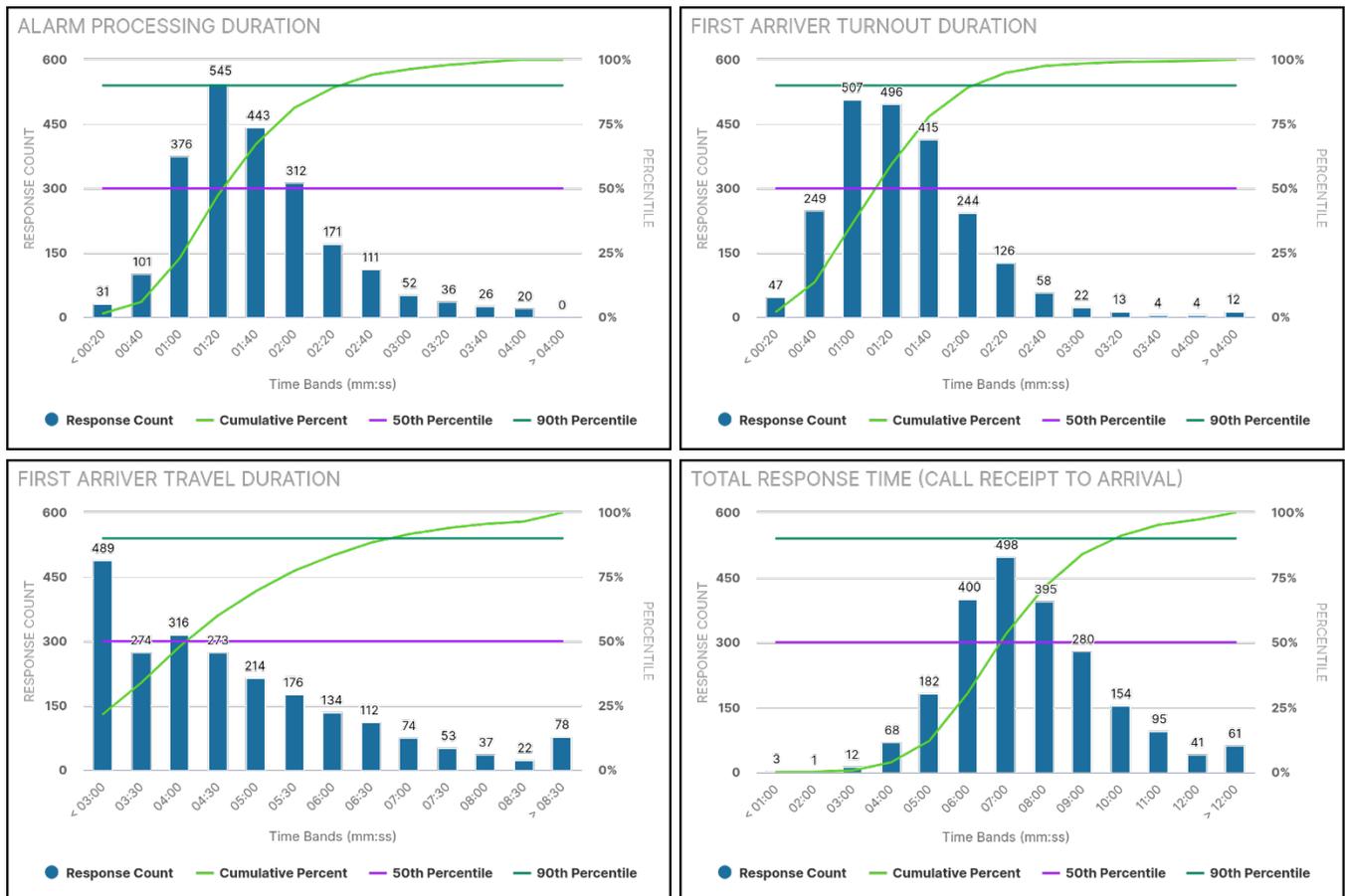


Chart 3 - Turnout and Travel Times

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

Holladay City: 2022-2024 Incidents by Time of Day

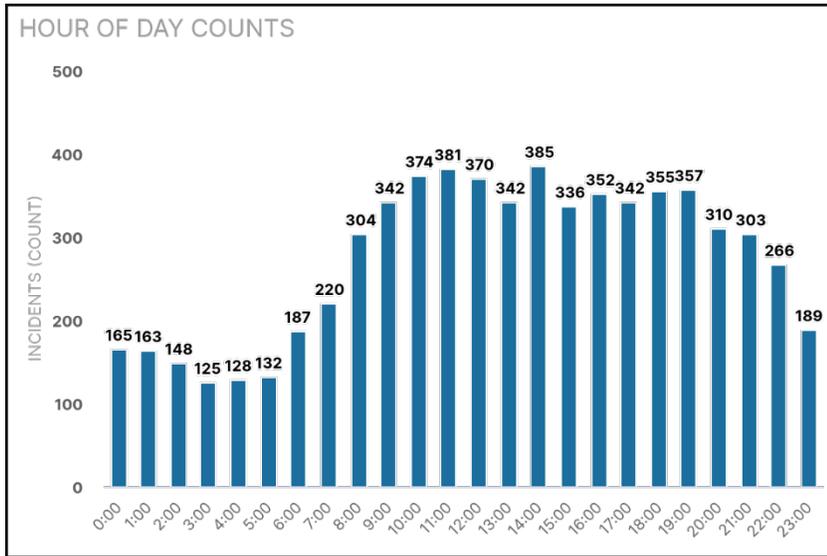


Chart 4 – Incidents by Time of Day

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

Holladay City– 2022-2024 Incidents by Day of Week

This chart shows the call volume based on the day of the week, with an increase in all calls as well as the peak volume for all calls in Holladay occurring on Monday and Tuesday.

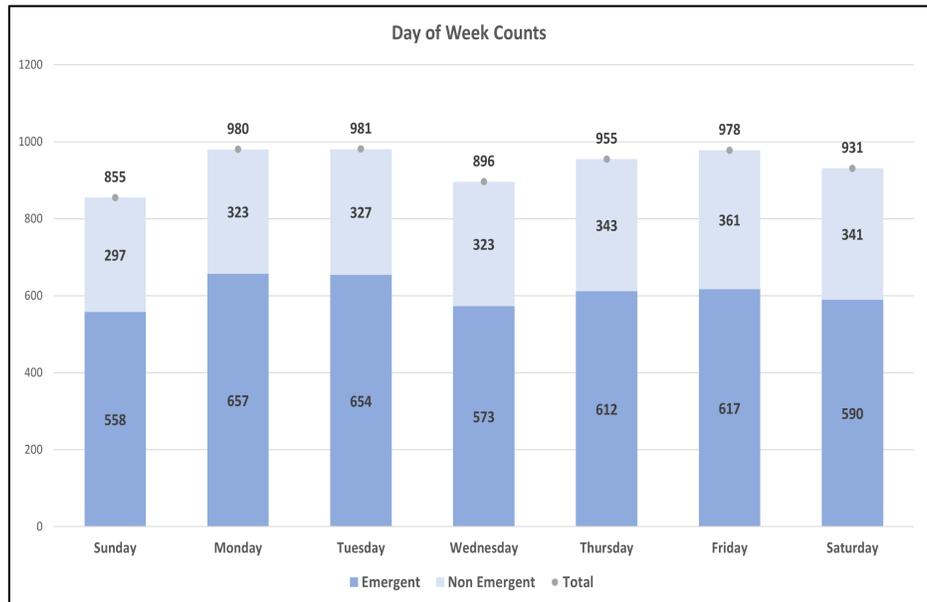


Chart 5 – Incidents by Day of Week

Holladay City – 2022-2024 EMS Calls and Ambulance Transports

| Total EMS Calls | Total Ambulance Transports | % Of EMS Calls Requiring Transport |
|-----------------|----------------------------|------------------------------------|
| 4,540 | 3,296 | 73% |

Table 3 - EMS Calls and Ambulance Transports

Holladay City – 2022-2024 EMS Incidents by Dispatch Type

| EMS Call Type | Incident Count |
|-------------------|----------------|
| Fall | 665 |
| Sick Person | 612 |
| Unconscious | 232 |
| Breathing Problem | 185 |
| Head Injury | 112 |

Table 4 - Top 5 Medical Calls

Holladay City – 2022-2024 Fire Incidents by Dispatch Type

| NFIRS Description | Incident Count | % of Incidents |
|-------------------------|----------------|----------------|
| Structure Fire | 41 | 35.34% |
| Natural Vegetation Fire | 29 | 25.00% |
| Outside Rubbish Fire | 19 | 16.38% |
| Vehicle Fire | 11 | 9.48% |

| NFIRS Description | Incident Count | % of Incidents |
|----------------------|----------------|----------------|
| Special Outside Fire | 4 | 3.45% |
| Fire, Other | 12 | 10.34% |
| Total | 116 | 100% |

Table 5 - Incidents by Dispatch Type

Holladay City – Building Occupancy Classification and Risk Categories

| Occupancy Classification | Low | Moderate | High | Max | Total |
|----------------------------------|--------------|-------------|-------------|-----------|--------------|
| Agriculture | 3 | 0 | 0 | 0 | 3 |
| Assembly | 20 | 0 | 20 | 0 | 40 |
| Commercial | 195 | 75 | 38 | 1 | 309 |
| Education | 29 | 4 | 18 | 2 | 53 |
| Government | 44 | 5 | 7 | 0 | 56 |
| Hazardous | 10 | 0 | 0 | 0 | 10 |
| Healthcare | 3 | 2 | 3 | 0 | 8 |
| High Rise | 0 | 0 | 0 | 0 | 0 |
| Industrial | 8 | 4 | 4 | 0 | 16 |
| Mixed Use | 0 | 0 | 0 | 0 | 0 |
| Residential ** | 10199 | 433 | 67 | 0 | 10699 |
| Single Family Residential | 3828 | 4820 | 759 | 35 | 9442 |
| Multi-family Residential | 424 | 545 | 215 | 25 | 1209 |
| Unclassified/Storage | 92 | 13 | 3 | 0 | 108 |
| Utility and Miscellaneous | 0 | 0 | 0 | 0 | 0 |
| Total | 14855 | 5901 | 1134 | 63 | 21953 |

**** 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

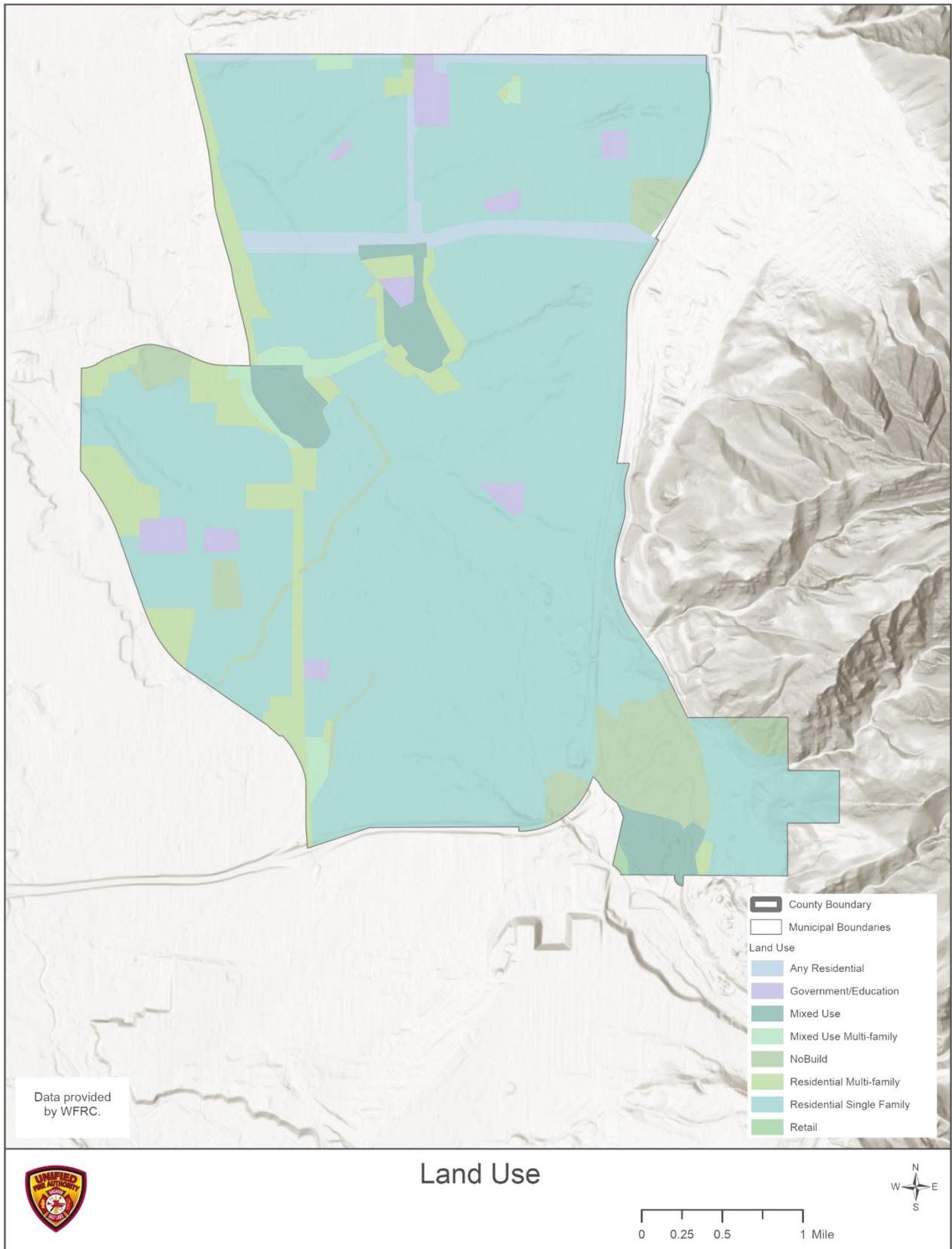


Image 1 - Land Use

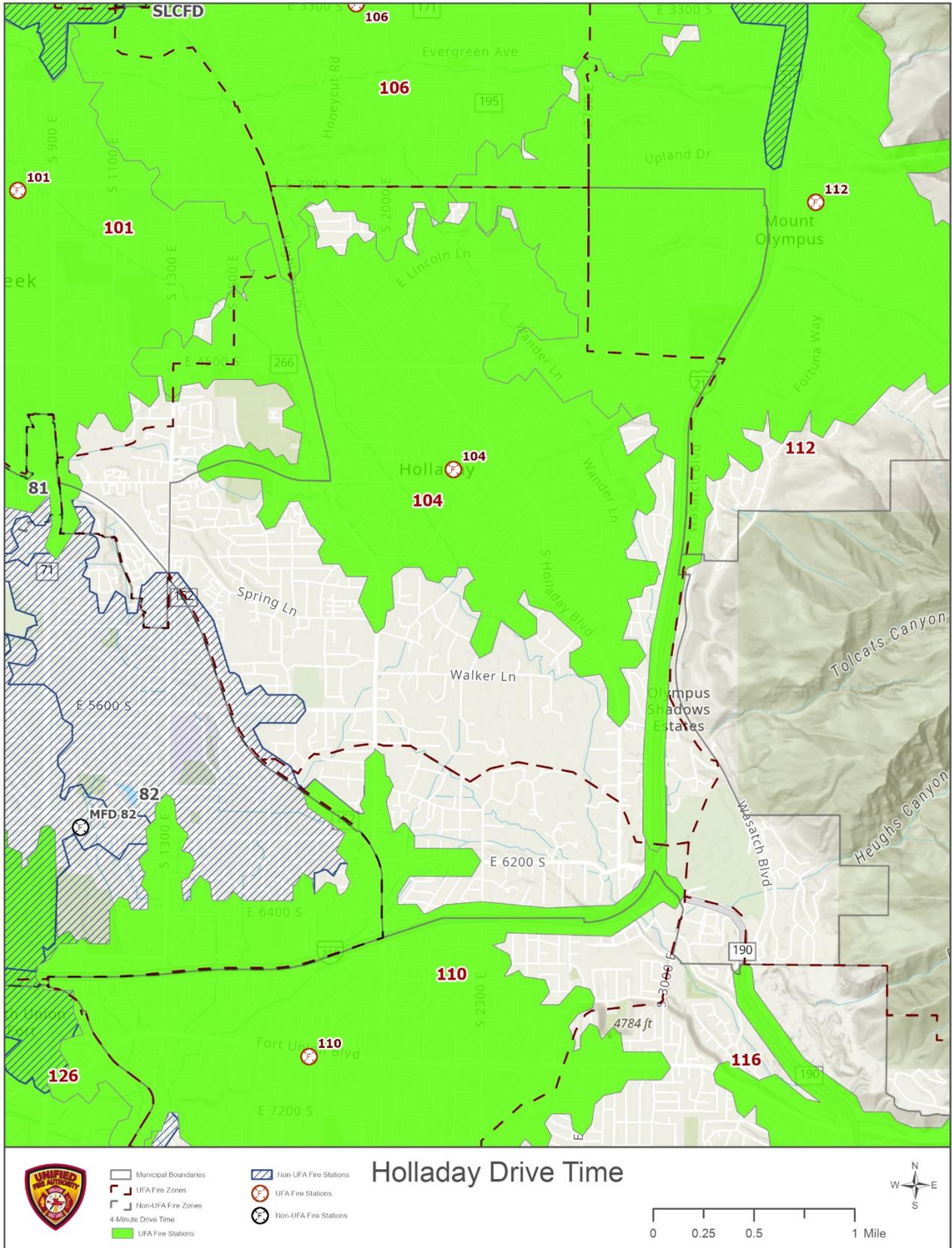


Image 2 - 4-Minute Response Times - UFA and Aid

Holladay City – 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 Holladay, the 90th percentile drive time is 7:41 for fire and 6:33 for EMS, or a combined 90th percentile drive time of 6:44.

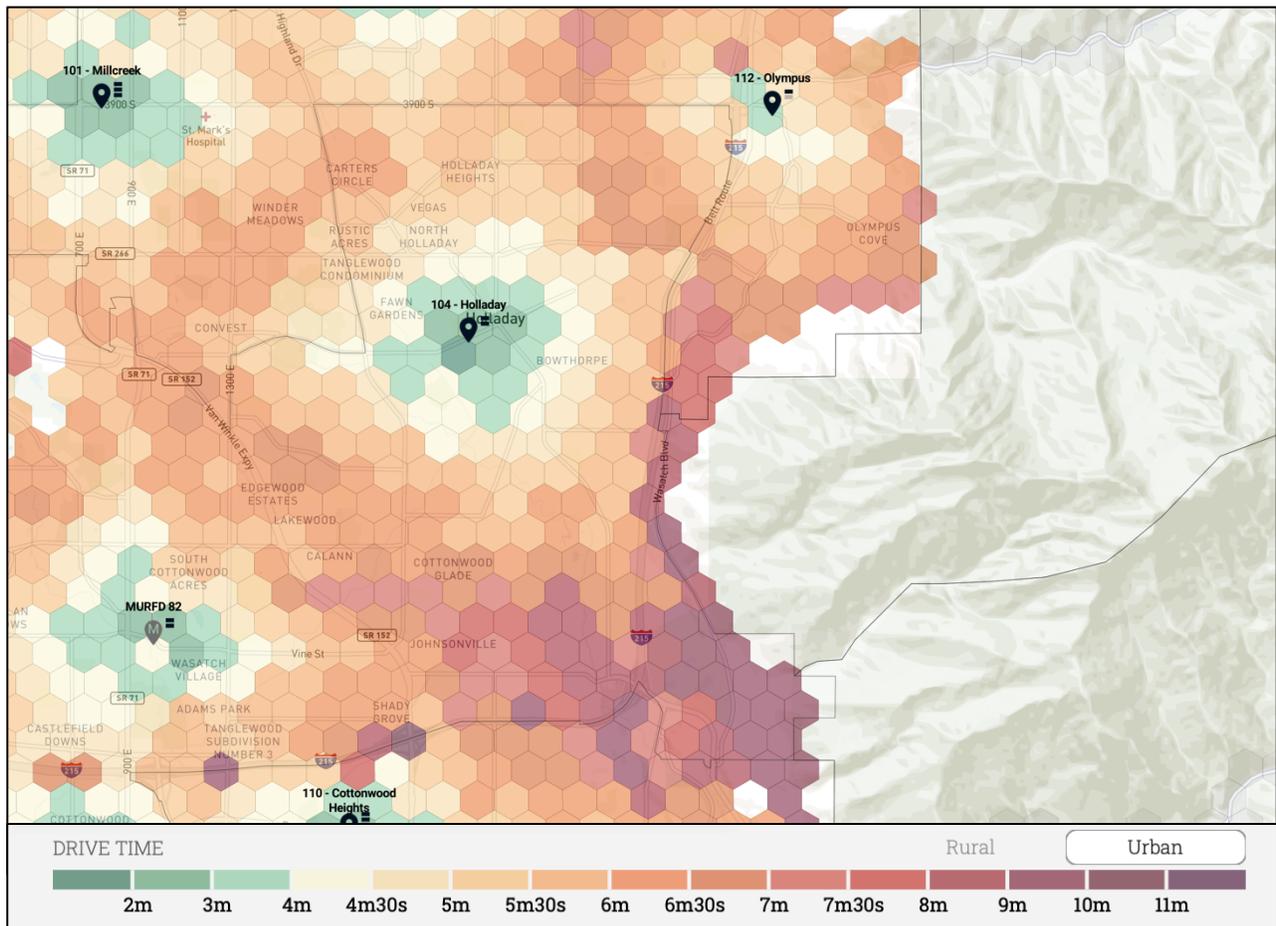


Image 3 - Emergent Response Times - All Aid

Holladay City – 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 8:10.

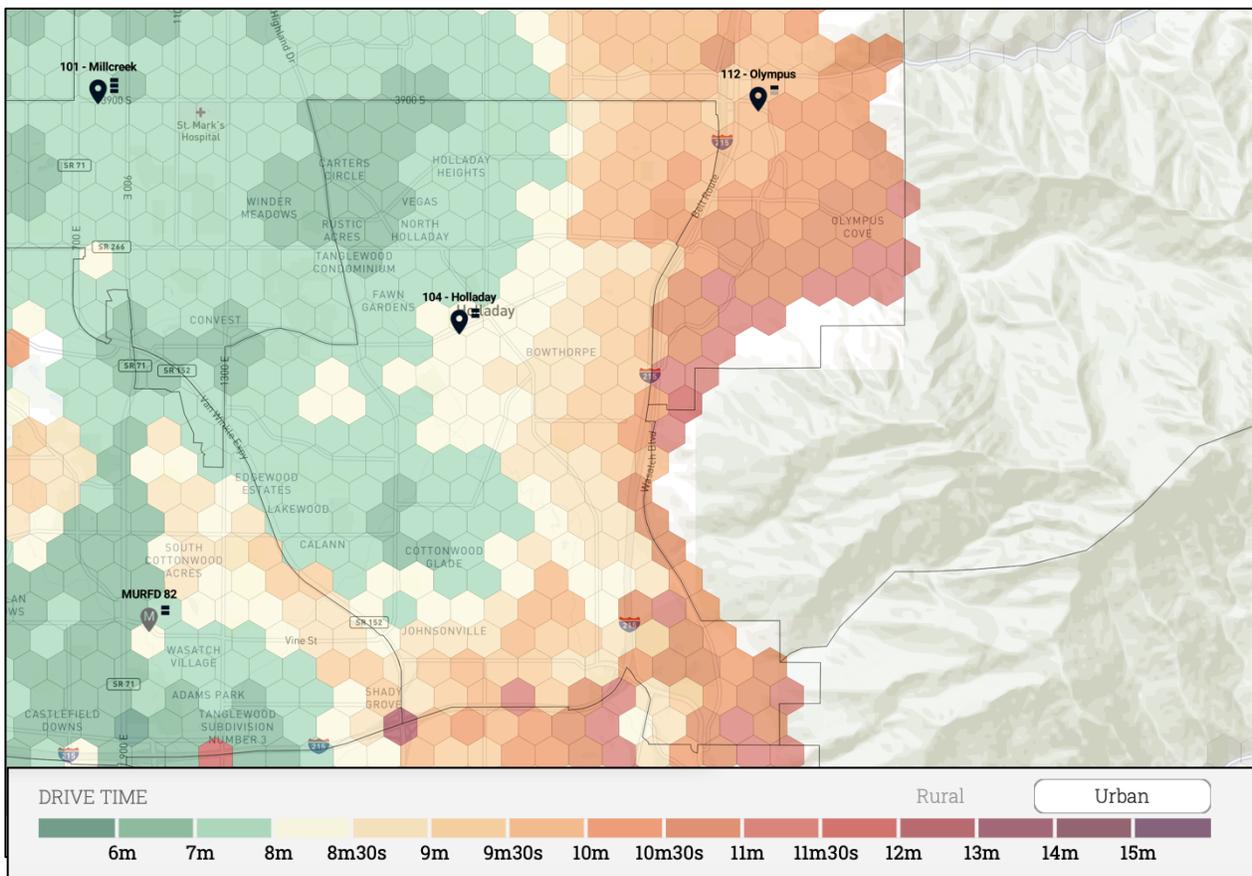


Image 4 - Response Times – Residential Fire Effective Response Force (17 ERF)

Holladay City – 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 9:30.

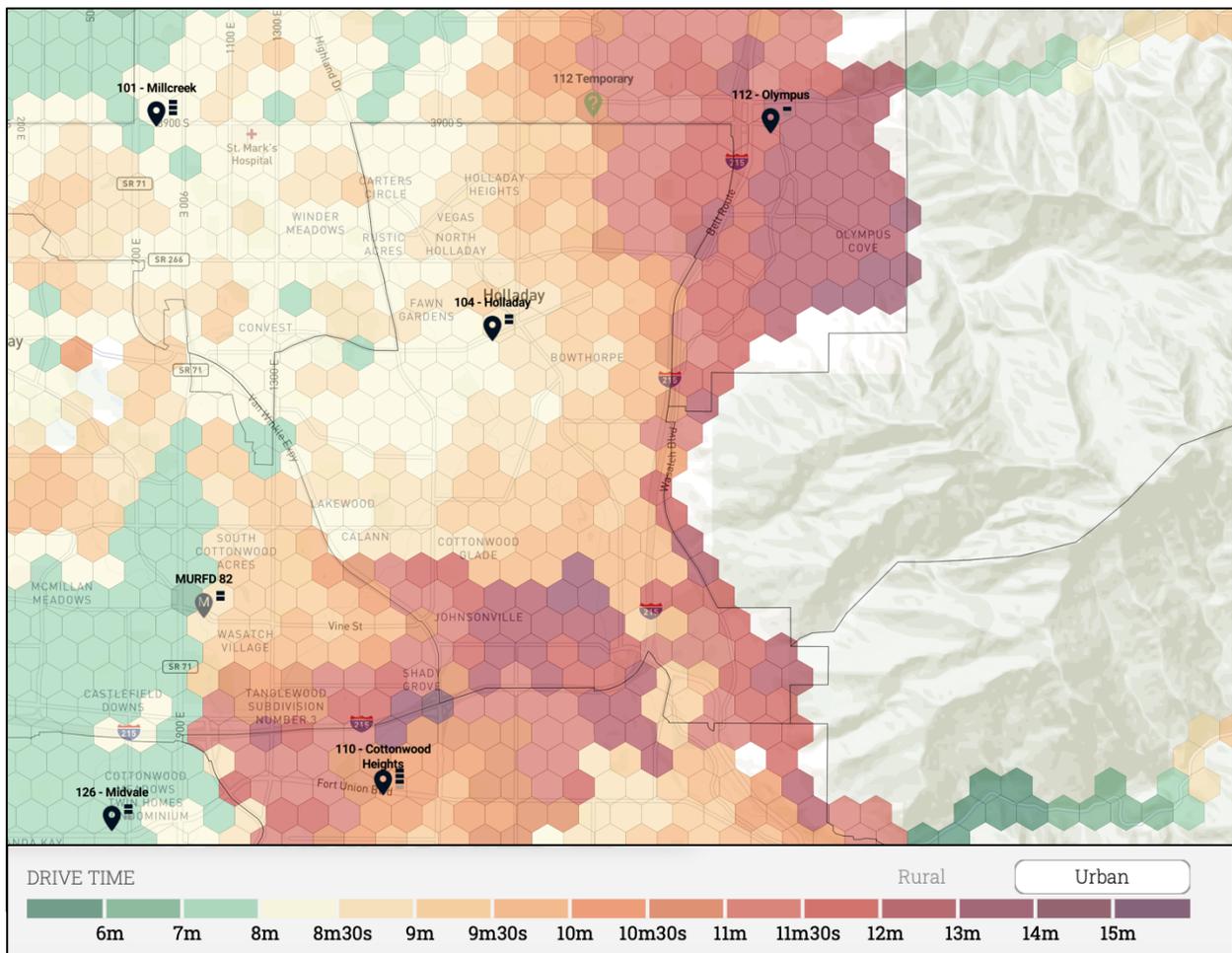


Image 5 - Response Times – Commercial Fire Effective Response Force (28 FF)

Holladay 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 |
|---------------------------------|-----------------------|-------------------------|-------------------|-----------|----------------------|--------------------------|---------------|-----------|---------|---------------------------|------------------------|
| Mod | Low | Mod | Mod | Low | High | Low | Mod | Low | High | Low | Mod |

| |
|--|
| 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

There are several high-level transportation routes within Holladay or directly bordering Holladay. I-215 runs on the south and east borders of the city. Several arterials and state roads also run through Holladay, with 4500 South, 1300 East, Murray-Holladay Road, Holladay Boulevard, and Highland Drive. There are 6.54 linear miles of Interstate/US Highway, 6.13 linear miles of State Highways, and 138 total linear miles of roadway. UTA also runs bus routes through the city, with the main bus routes running on 4500 South and down Holladay Boulevard. Holladay is in the moderate-risk category for road infrastructure.

Infrastructure – Water

There are three water districts within Holladay, including the Holladay Water District, the Jordan Valley Water Conservancy District, and Salt Lake City Public Utilities.

Infrastructure – Dams

There are three identified dams within Holladay. Holladay is in the low-risk category for dam infrastructure.

Natural Hazards

Within Holladay, there are no concerns with avalanche areas, however there are several areas that Holladay units respond to that have avalanche as well as backcountry rescue potential within Unincorporated Salt Lake County. Holladay is in the low-risk category for avalanche. There are several fault lines that run north-south through the city and are components of the Wasatch Fault. Holladay is in the moderate-risk category for both liquefaction and fault lines. Holladay has roughly 51,600 linear feet of fault lines. One of the biggest hazards that occur within an earthquake scenario is the number of unreinforced masonry (URM) buildings within Holladay, with an estimated 5,154 URM's, which constitutes about 20.19% of the overall URM's within UFA's response areas. Holladay is in the high-risk category for unreinforced masonry.

Wildland Urban Interface

There is little risk of urban interface fires within Holladay, although on the eastern border of Holladay, there is high risk of urban interface fires within Unincorporated Salt Lake County. Holladay is in the low-risk category for Wildland Urban Interface.

Hazardous Materials / Tier II Sites

There are 10 identified HazMat/Tier II Sites within Holladay, which is in the moderate-risk category.

Hospitals

Holladay has no standalone hospitals, which place it in the low-risk category.

Schools

Holladay has five elementary schools, two middle schools, one high school, three private schools, and one charter school within city boundaries, which places it in the high-risk category.

Target Hazards – Structures

Some of the target hazard occupancies in Holladay City include:

- Spring Garden Senior Living – 2728 E 3900 S
- The Ridge Cottonwood Care – 5600 S Highland Dr.
- Holladay Health Care Center – 4782 S Holladay Blvd.
- Highland Health Care Center – 4782 S Highland Dr.
- Megaplex Movie Theatre/Mall – 1945 E Murray Holladay Rd.
- Holladay Hills Apartments – 4835 S Highland Dr.

Life and Property Loss

From 2022-2024, there has been one fatality attributed to fire. There has been a total estimate of \$2,154,800.00 of property loss and a total estimate of \$587,550.00 of content loss due to fire.

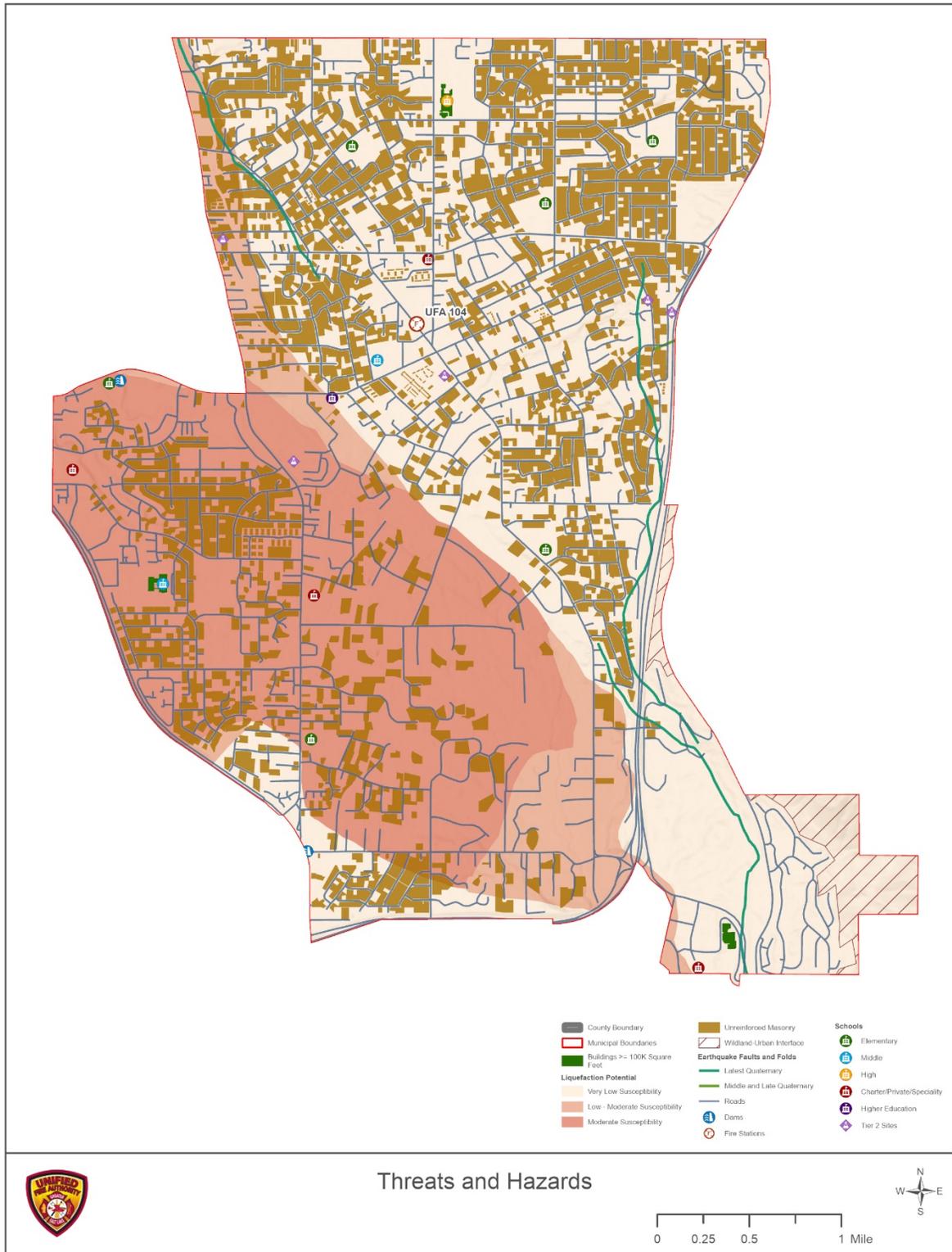


Image 6 - Threats and Hazards

