



Millcreek



Community Risk Assessment

Millcreek City

UFA has three fire stations within Millcreek City covering a total of 12.91 square miles with a population of 62,415 as of 2024 and responded to 17,224 calls for service from 2022-2024

Municipality	Population	Population Percentage of UFA	Square Miles	Population Density per Sq Mile	Classification	Value of Structures Protected
Millcreek City	62,415	13.0 %	12.91	4,974	Urban	\$6.1B

Millcreek City has decreased its population from 63,380 in 2020 to 62,415 in 2024, showing a decrease of 1.52% over a four-year timeframe.

Millcreek Station Information

Station 101	
Owner	UFSA
Opened	2010
Address	790 East 3900 South
Staffing and Apparatus	<ul style="list-style-type: none">• 4 Person - Medic Engine 101 (Type 1)• 2 Person - Medic Ambulance 101• Battalion Chief 11

Station 106	
Owner	UFSA
Opened	2010
Address	1911 East 3300 South
Staffing and Apparatus	<ul style="list-style-type: none"> • 4 Person - Medic Ladder 106 (Type 1) • 2 Person PL 12 Hour Medic Ambulance 206 • Cross-Staffed - WTT 106 (Type 1) • Cross-Staffed - Engine 6106 (Type 6)
Station 112	
Owner	UFSA
Opened	1965
Address	3612 Jupiter Drive
Staffing and Apparatus	<ul style="list-style-type: none"> • 4 Person - Medic Engine 112 (Type 1) • Cross-Staffed - Engine 6112 (Type 6)

Surrounding UFA and Automatic/Mutual Aid Response Stations

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

Station Number	City Location	Staffing
Station 104	Holladay City	<ul style="list-style-type: none">• 4 Person - Medic Engine 104 (Type 1)• 2 Person - Medic Ambulance 104
Station 117	Taylorsville	<ul style="list-style-type: none">• 4 Person - Medic Ladder 117 (Type 1)• 4 Person - Medic Engine 117 (Type 1)• 2 Person - Medic Ambulance 217 (PL 24 Hour)• Cross-Staffed - Heavy Rescue 117
Station 41	South Salt Lake City	<ul style="list-style-type: none">• 3 Person - Engine 41 (Type 1)• 2 Person - Medic Ambulance 41• Battalion Chief 41
Station 42	South Salt Lake City	<ul style="list-style-type: none">• 4 Person- Ladder 42• 2 Person- Medic Ambulance 42• Cross-Staffed- Engine 642 (Type 6)
Station 43	South Salt Lake City	<ul style="list-style-type: none">• 3 Person- Engine 43• 2 Person- Medic Ambulance 43
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

Millcreek City – Incidents by Dispatch Type

	CY 2022	CY 2023	CY 2024
Fire Suppression	112 2%	111 1.9%	79 1.4%
EMS	4226 74%	3976 68.8%	3920 68.3%
HazMat	106 1.9%	106 1.8%	106 1.9%
Service Call	196 3.4%	325 5.6%	311 5.4%
Good Intent	704 12.3%	819 14.2%	915 15.9%
False Call	335 5.9%	411 7.1%	390 6.8%
Natural Condition	13 0.2%	10 0.2%	7 0.1%
Other Situation	4 0.1%	17 0.3%	11 0.2%
Unknown	11 0.2%	0 0%	3 0.1%
Total	5707 100%	5775 100%	5742 100%

Table 1 - Incidents by Dispatch Type

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

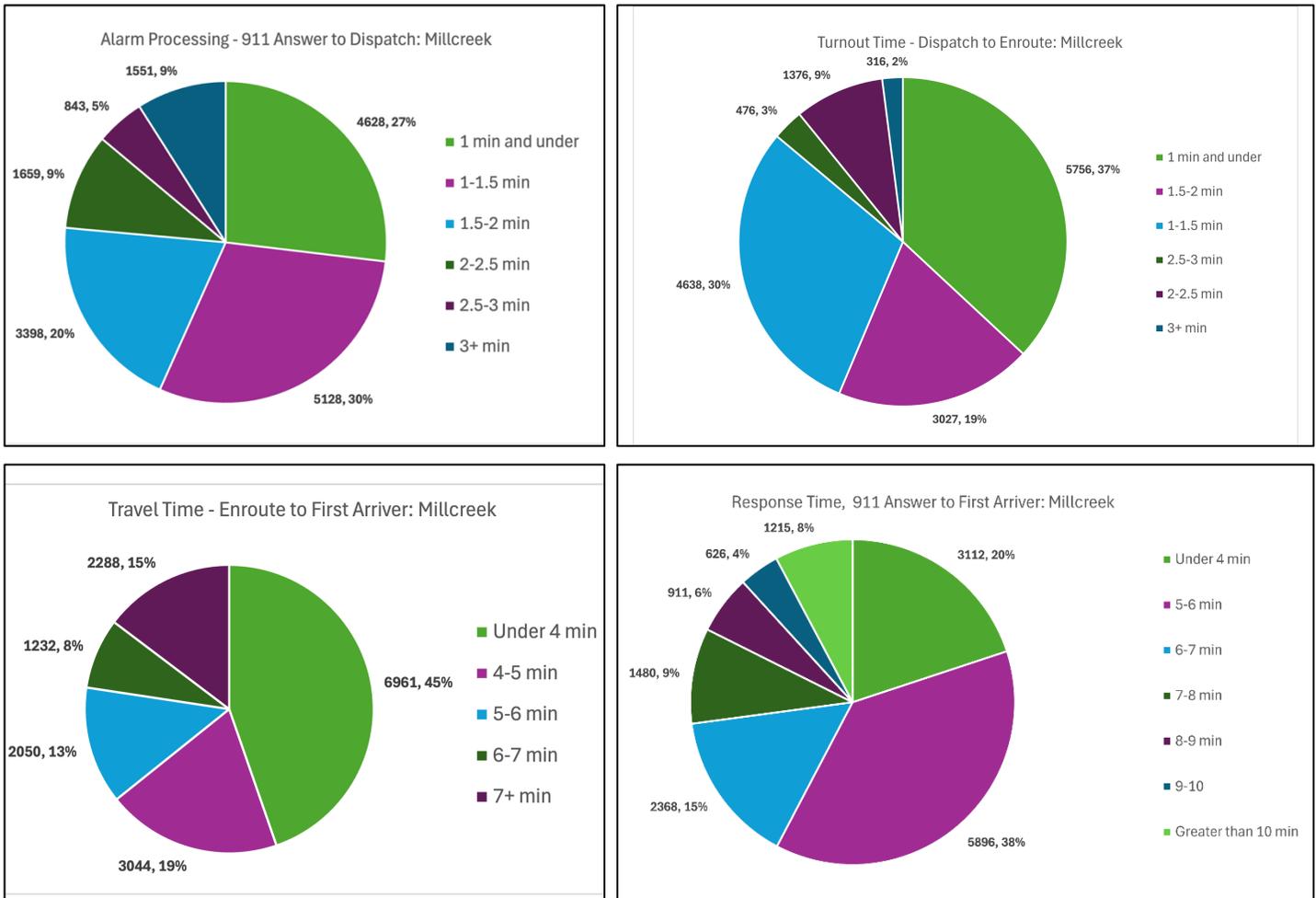


Chart 1 - Dispatch and Response Times

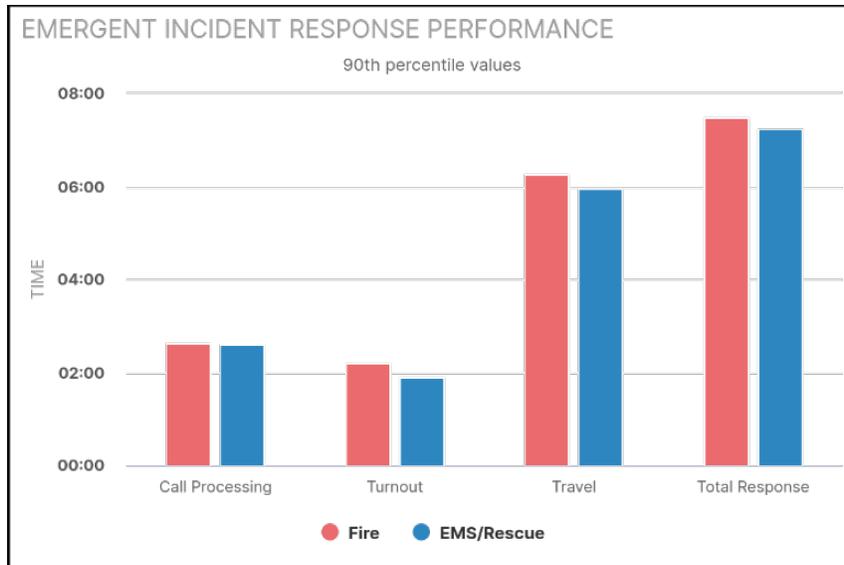


Chart 2 - Emergent Incident Response Performance

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
Millcreek City 2022	2:56	2:14	8:33	11:00	2:33	1:54	6:06	9:09
Millcreek City 2023	2:44	2:11	6:27	10:06	2:18	1:52	5:59	8:55
Millcreek City 2024	2:27	2:10	6:46	9:19	2:16	1:57	5:47	8:49
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

Millcreek City – 2022-2024 Total Response Times



Chart 3 - Turnout and Travel Time

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

Millcreek: 2022-2024 Incidents by Time of Day

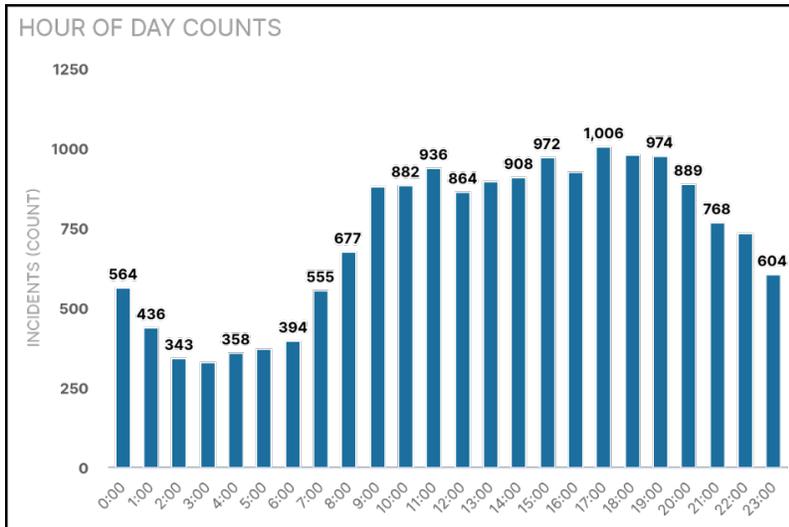


Chart 4 – Incidents by Time of Day

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

Millcreek 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 Millcreek City occurring on Friday.

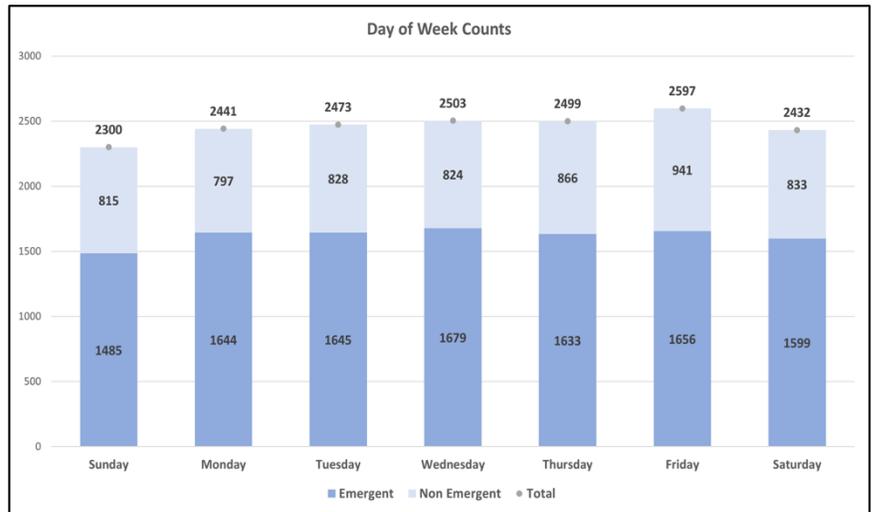


Chart 5– Millcreek City Incidents by Day of Week

Millcreek City – 2022-2024 EMS Calls and Ambulance Transports

Total EMS Calls	Total Ambulance Transports	% Of EMS Calls Requiring Transport
12,122	4,678	39%

Table 3 - EMS Calls and Ambulance Transports

Millcreek City – 2022-2024 EMS Incidents by Dispatch Type

EMS Call Type	Incident Count
Sick Person	1703
Fall	1656
Breathing Problem	514
Unconscious	350
Seizure	265

Table 4 - Top 5 Medical Calls

Millcreek City – 2022-2024 Fire Incidents by Dispatch Type

NFIRS Description	Incident Count	% of Incidents
Structure Fire	126	41.72%
Natural Vegetation Fire	43	14.24%
Outside Rubbish Fire	67	22.19%
Vehicle Fire	20	6.62%
Special Outside Fire	11	3.64%
Fire, Other	33	10.93%
Mobile Property Fire	2	0.66%
Total	302	100%

Table 5 - Incidents by Dispatch Type

Millcreek City – Building Occupancy Classification and Risk Categories

Occupancy Classification	Low	Moderate	High	Max	Total
Agriculture	0	0	0	0	0
Assembly	41	15	32	0	88
Commercial	761	242	137	10	1150
Education	42	9	24	4	79
Government	54	2	7	0	63
Hazardous	13	1	1	0	15
Healthcare	0	0	1	0	1
High Rise	0	0	4	0	4
Industrial	63	34	50	1	148
Mixed Use	0	0	0	0	0
Residential **	18102	339	60	0	18501
Single Family Residential	9542	5697	460	5	15704
Multi-family Residential	1254	1050	339	39	2682
Unclassified/Storage	241	34	8	0	283
Utility and Miscellaneous	0	0	0	0	0
Total	30113	7423	1123	59	38718

**** 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 – Millcreek City Building Occupancy and Risk Categories

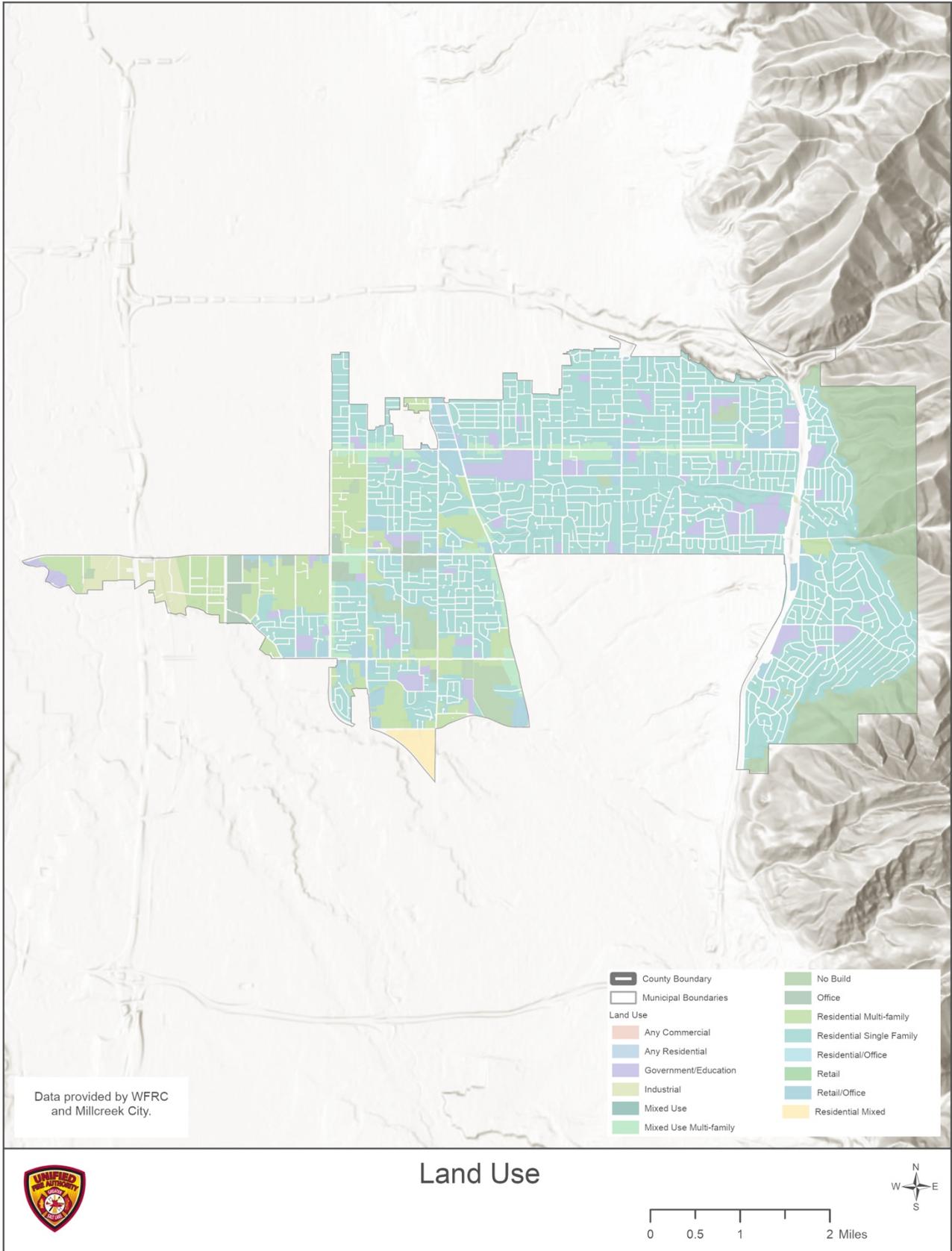


Image 1 - Land Use

Millcreek 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 the City of Millcreek, the 90th percentile drive time is 5:42 for fire and 6:47 for EMS, or a combined 90th percentile drive time of 5:52.

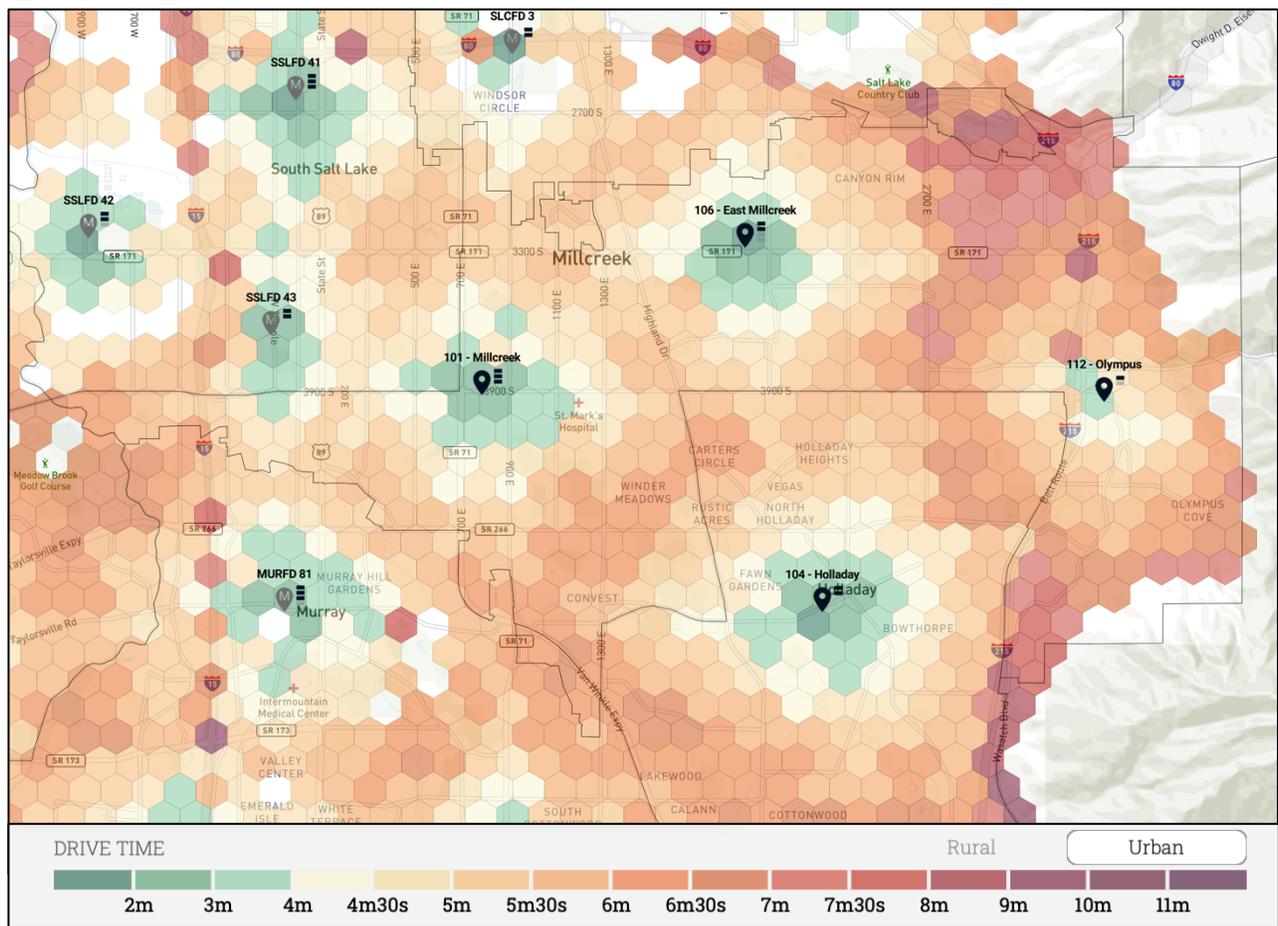


Image 3 - Emergent Response Times - All Aid

Millcreek 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 7:49.

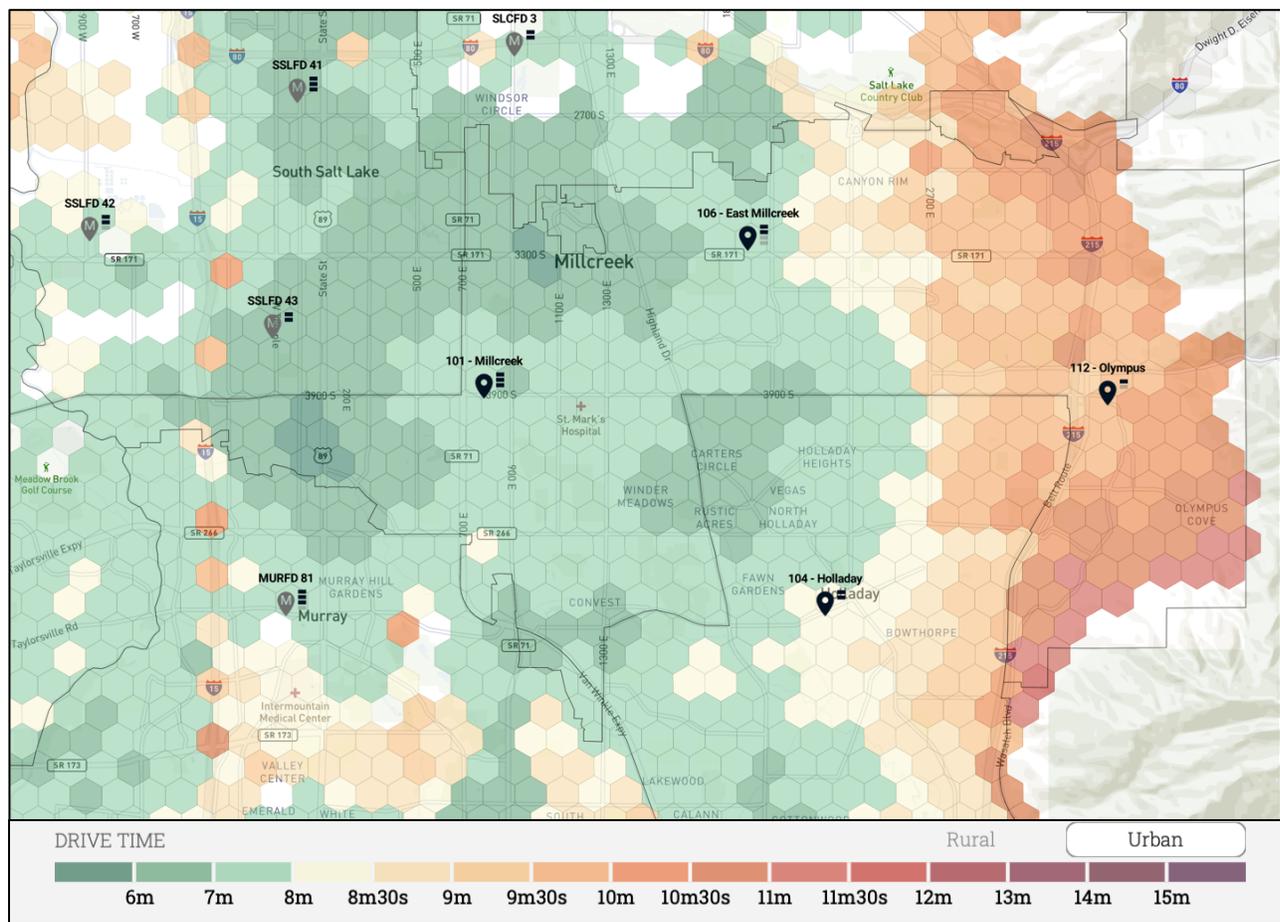


Image 4 - Response Times – Residential Fire Effective Response Force (17 ERF)

Millcreek 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 9:01.

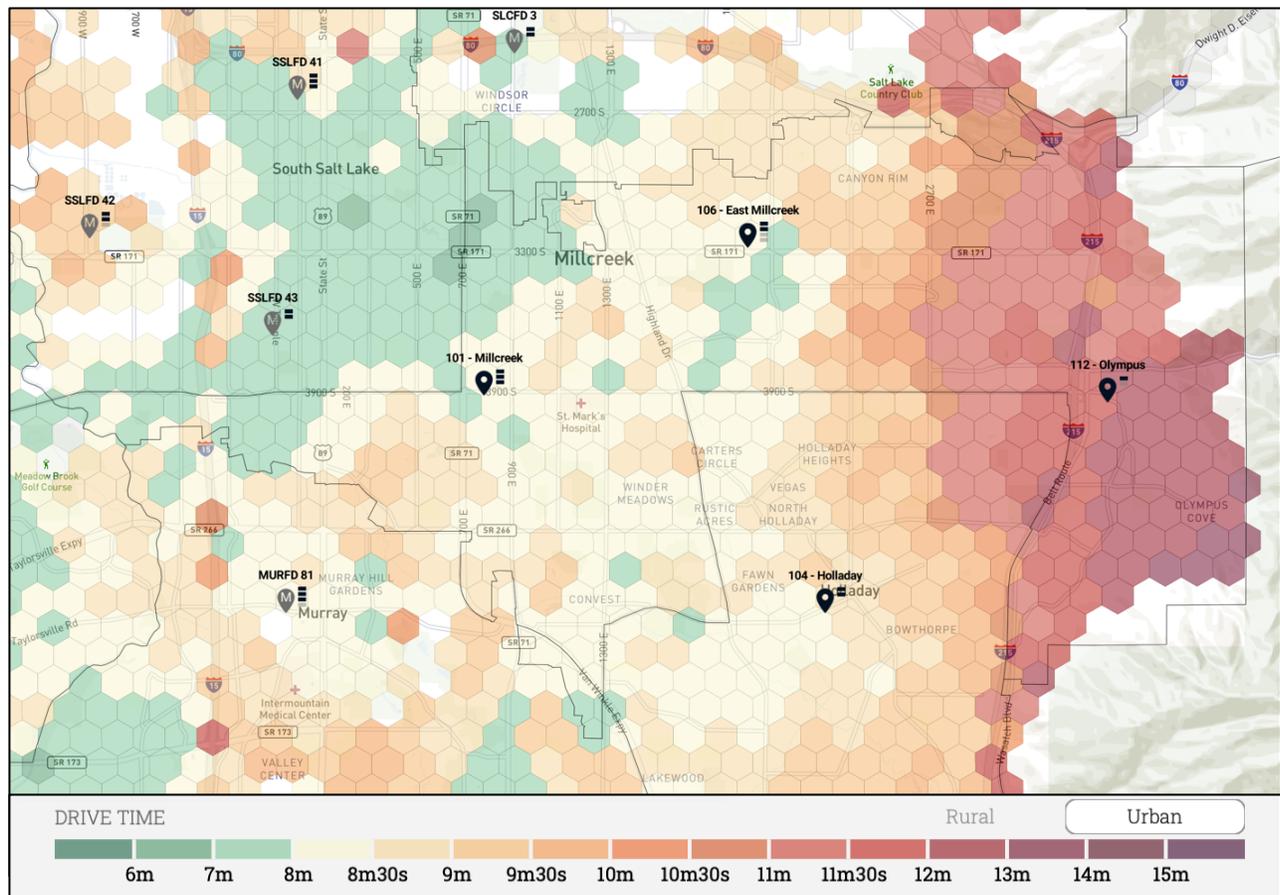


Image 5 - Response Times – Commercial Fire Effective Response Force (28 FF)

Millcreek 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	Mod	Mod	Mod	Low	High	Mod	High	Mod	High	Mod	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

There are several high-level transportation routes within Millcreek City or directly bordering Millcreek City. I-15 runs through the west side of the city, I-80 runs on the northeast side, and I-215 runs on the east side. Several arterials and state roads also run through Millcreek, with 3300 South, 700 East and State Street. There are 12.3 linear miles of Interstate/US Highway, 10.9 linear miles of State Highways, and 230 total linear miles of roadway. UTA also runs bus routes and light rail through the city, with the main light rail running on the west side of the city. Millcreek City is in the high-risk category for road infrastructure.

Infrastructure – Water

There are three water districts within Millcreek City, including the Jordan Valley Water Conservancy District, Salt Lake City Department of Public Utilities, and Holliday Water Company.

Infrastructure – Dams

There are five identified dams within Millcreek City. Millcreek City is in the moderate-risk category for dam infrastructure.

Natural Hazards

Within Millcreek City, Millcreek Canyon begins and extends into Unincorporated Salt Lake County. Within Millcreek City, there are no concerns with avalanche areas, however there are several areas that Millcreek units respond to that have avalanche as well as backcountry rescue potential within Unincorporated Salt Lake County. Millcreek 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. Millcreek City is in the moderate-risk category for both liquefaction and fault lines. There is roughly 44,200 linear feet of fault lines in Millcreek City. One of the biggest hazards that occur within an earthquake scenario is the number of unreinforced masonry (URM) buildings within Millcreek City, with an estimated 8,977 URM's, which constitutes about 35.16% of the overall URM's within UFA's response areas. Millcreek City is in the high-risk category for unreinforced masonry.

Wildland Urban Interface

On the eastern side of Millcreek City, there is risk due to urban interface fires, particularly in the Olympus Cove and East Millcreek areas. Also, there are structures and residences within Millcreek Canyon, which is a concern due to access and egress from Millcreek Canyon through Millcreek City. Millcreek City is in the moderate-risk category for Wildland Urban Interface.

Hazardous Materials / Tier II Sites

There 15 identified HazMat/Tier II Sites within Millcreek City, which is in the high-risk category.

Hospitals

Millcreek City has one hospital, St Marks, located at 1200 E 3900 S, which is a full-service Level II Trauma Hospital with over 300 beds and is considered a short-term acute care facility. Millcreek City is in the moderate-risk category for hospitals.

Schools

Millcreek City has seven elementary schools, three middle schools, one high school, and three private schools, two charter schools, and three special needs schools within city boundaries, which places it in the high-risk category.

Target Hazards – Structures

Some of the target hazard occupancies in Millcreek include:

- St. Marks Hospital at 1200 East 3900 South
- Home Depot at 3398 South Highland Drive
- Morgro at 145 West Central Avenue
- Canyon Rim Care Center at 2730 East 3300 South
- Millcreek Common / Millcreek City Hall at 1354 Chambers Avenue

Life and Property Loss

From 2022-2024, there has been one fatality attributed to fire. There has been a total estimate of \$2,322,716.00 of property loss and a total estimate of \$588,575.00 of content loss due to fire.

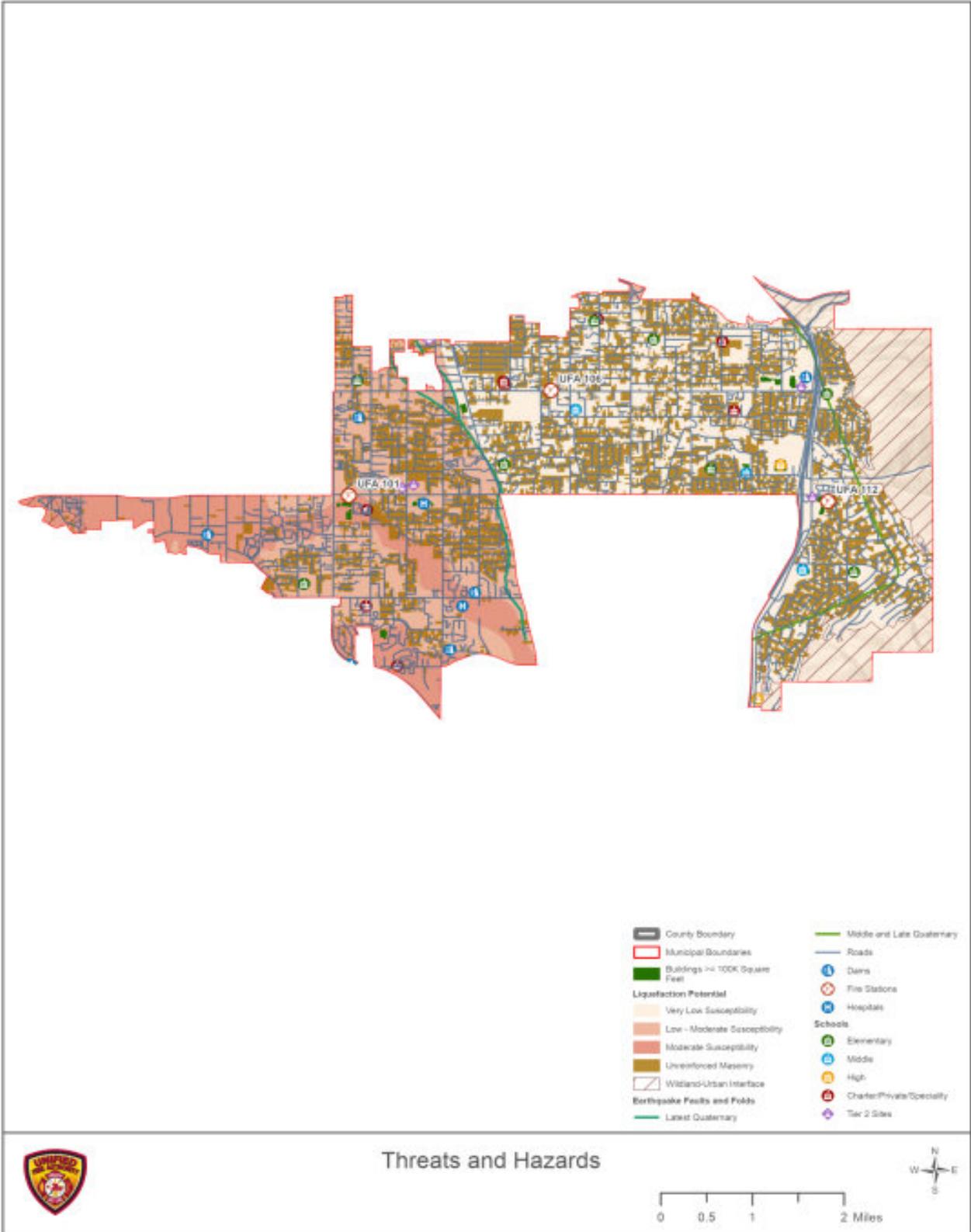


Image 6 - Threats and Hazards