

Salt Lake County, UT

Risk-assessment baseline packet

County FIPS: 49035 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: Approved, expires 2030-12-29. Plan: Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711), approved 2025-12-30. Since the plan was approved on 2025-12-30: no new hazard declaration and 28 NOAA Storm Events records; details under "What changed since your last plan". Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Earthquake (\$487,568,473 a year), Inland Flooding (\$79,338,744) and Wildfire (\$25,182,533). The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.
NRI: FEMA's National Risk Index (version 1.20, December 2025).
NFIP: National Flood Insurance Program.
RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).
FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.
PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.
Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.
County-coded: NOAA logged the event to this county.
FIPS: the federal code for a place; 49035 is this area.
D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).
F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.
kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.
CFR: Code of Federal Regulations.
A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).
Dollars: nominal (as reported, labeled with the year), not adjusted for inflation.

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Plan clock

Status:	Approved, expires 2030-12-29	Plan:	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)
Approved:	2025-12-30	Days to expiry:	1,551
What changed since your last plan (approved 2025-12-30)			
New federal declarations:	none	Storm Events records since approval:	28 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 0, SRL 0 (44 CFR 77.2); any definition: 6	Repeat-flood change:	this release sets the baseline count.
Sources: 1, 2, 4, 6 (numbered list at the end)			

Plan status for every jurisdiction listed in this county: 32 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

State plan status and tribal plans in this state: see the state page.

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Salt Lake County	County	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		
Alta town	Town	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		
Bluffdale city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-09-17
Brighton town	Town	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-09-24
Copperton metro township	Township	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-09-21
Cottonwood Heights city	City	Plan 110711 approved 2025-12-30, pending adoption here; not yet eligible	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711), pending adoption here	2025-12-30 by FEMA; not yet adopted here	2030-12-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Draper city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		
Emigration Canyon metro township	Township	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-05-08
Herriman city	City	Plan 110711 approved 2025-12-30, pending adoption here; not yet eligible	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711), pending adoption here	2025-12-30 by FEMA; not yet adopted here	2030-12-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Holladay city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-05-08
Kearns metro township	Township	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-04-29
Magna metro township	Township	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-04-29
Midvale city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-04-29

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Millcreek city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		
Murray city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-06-18
Riverton city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-04-29
Salt Lake City city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-08-26
Sandy city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		
South Jordan city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-09-21
South Salt Lake city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		
Taylorsville city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		
West Jordan city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		
West Valley City city	City	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-04-29
White City metro township	Township	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-04-29
Canyons School District	School/School District	Plan 110711 approved 2025-12-30, pending adoption here; not yet eligible	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711), pending adoption here	2025-12-30 by FEMA; not yet adopted here	2030-12-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Granite School District	School/School District	Approved, expires 2030-05-01	Granite School District, UT Hazard Mitigation Plan 2025 (FEMA plan 110549)	2025-05-02	2030-05-01	1,309		
Jordan School District	School/School District	Approved, expires 2030-12-29	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711)	2025-12-30	2030-12-29	1,551		this jurisdiction approved 2026-04-29
Name not given in FEMA data (ID 200826)	School/School District	Expired on 2019-12-19	Murray School District (FEMA plan 100772)	2014-12-19	2019-12-19	-2,477		
Granger-Hunter Improvement District	Water/Sewer Authority	Approved, expires 2030-04-15	Granger-Hunter Improvement District, UT Hazard Mitigation Plan 2025 (FEMA plan 110269)	2025-04-16	2030-04-15	1,293		
Jordan Valley Water Conservation District	Conservation District	Approved, expires 2026-11-16	Jordan Valley Water Conservation District, UT Hazard Mitigation Plan 2021 (FEMA plan 107762)	2021-11-17	2026-11-16	47		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						negative = days since expiry		
Metropolitan Water District of Salt Lake and Sandy	Water/Sewer Authority	Approved, expires 2028-10-19	Metropolitan Water District of Salt Lake and Sandy, UT Hazard Mitigation Plan 2023 (FEMA plan 109118)	2023-10-20	2028-10-19	750		
Salt Lake City Community College	College/University	Plan 110711 approved 2025-12-30, pending adoption here; not yet eligible	Salt Lake County, UT Hazard Mitigation Plan 2025 (FEMA plan 110711), pending adoption here	2025-12-30 by FEMA; not yet adopted here	2030-12-29 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

FEMA plan data lists 1 school district row with no name (FEMA IDs only) and 3 named school districts. FEMA files some districts under two ID schemes on different plans, so a named district's 'No approved plan on record' can sit beside an unnamed row that has a plan.

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

- dam failure (incl. upstream dams)
- levee failure
- flash flood as its own subtype
- ice jams
- debris flows
- erosion (riverine and coastal)
- land subsidence and sinkholes
- expansive soils

The 18 National Risk Index hazards, ranked by expected annual loss (EAL)

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings modeled dollars per year	EAL agriculture	Cost of expected deaths and injuries	EAL total (see note)	Storm Events records, 1996 to 2026-06-30 count	Why this hazard can be left out NRI Not Applicable, no declaration and no Storm Events record since 1996	Storm Events coverage note
					modeled dollars per year	FEMA's dollar value per year, not property damage	modeled dollars per year			
1	Earthquake	Relatively High	Very High	\$205,577,112	n/a	\$281,991,361	\$487,568,473			Storm Events does not record earthquakes.
2	Inland Flooding	Relatively Moderate	Relatively High	\$79,236,169	\$53	\$102,522	\$79,338,744	45		
3	Wildfire	Relatively High	Relatively High	\$23,879,130	\$305	\$1,303,099	\$25,182,533	16		
4	Avalanche	Very High	Very High	\$8,748	n/a	\$11,693,603	\$11,702,352	64		
5	Heat Wave	Relatively Moderate	Relatively Moderate	\$1,178	\$2,330	\$6,251,111	\$6,254,619	2		

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Why this hazard can be left out <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
6	Tornado	Relatively Moderate	Relatively Moderate	\$1,187,124	\$180	\$2,626,832	\$3,814,137	5		
7	Lightning	Relatively High	Relatively High	\$83,147	n/a	\$2,446,429	\$2,529,575	11		
8	Winter Weather	Very High	Very High	\$62,107	\$120	\$2,268,918	\$2,331,145	515		
9	Strong Wind	Relatively Moderate	Relatively Moderate	\$463,735	\$8,225	\$890,113	\$1,362,073	515		Includes 271 High Wind and 11 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
10	Hail	Relatively Low	Relatively Moderate	\$745,415	\$437	\$8,449	\$754,300	67		
11	Cold Wave	Relatively Low	Relatively Low	\$4,743	\$812	\$690,836	\$696,391	3		
12	Drought	Relatively Low	Relatively Low	n/a	\$143,709	n/a	\$143,709	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
13	Landslide	Relatively Low	Relatively Low	\$4,054	n/a	\$48,929	\$52,983	2		
14	Ice Storm	Very Low	Very Low	\$8,641	n/a	\$3,366	\$12,007	3		
15	Volcanic Activity	Very Low	Very Low	\$1	n/a	\$280	\$281	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
16	Coastal Flooding	No Rating	No Expected Annual Losses	\$0	n/a	\$0	\$0	0		No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Hurricane	Not Applicable	Not Applicable					0	NRI rates hurricane Not Applicable for this county, and no counted federal declaration for this county names it (EM-3223-UT names it but is not counted as a local occurrence; see B1-d).	No recorded events in Storm Events since 1996 (data through 2026-06-30).

Total = buildings + agriculture + population equivalence; FEMA values each expected death (or 10 injuries) at \$13.7 million (2024 dollars).

NRI risk rating combines expected annual loss with social vulnerability and community resilience; EAL rating rates expected annual loss alone. Both compare this county with all U.S. counties.

Local data needed: state and local volcanic activity records (Storm Events records this hazard only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: tsunامي. That is the evidence for leaving them out of the plan.

The state hazard mitigation plan also lists hazards for this county; FEMA asks the plan to explain any hazard it leaves out.

Supports FEMA checklist item B1-b: hazard location

Affects the whole county (national data give no location within it): Cold Wave, Drought, Hail, Heat Wave, Ice Storm, Lightning, Strong Wind and Winter Weather.

Coastal Flooding and Inland Flooding: The FEMA Flood Insurance Rate Map (FIRM) is the required location source for flooding. See the FEMA Flood Map Service Center (<https://msc.fema.gov>) for this county.

Hazards that vary within the county: highest-rated census tracts

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Avalanche	tract 1139.06 (Very High, 99.6); tract 1014.02 (Very High, 99.6); tract 1101.03 (Very High, 99.1)
Earthquake	tract 1029 (Very High, 99.9); tract 1115 (Very High, 99.8); tract 1145 (Very High, 99.8)
Hurricane	no tract has a National Risk Index rating for this hazard
Landslide	tract 1101.03 (Relatively Moderate, 98.9); tract 1101.06 (Relatively Moderate, 97.2); tract 1131.05 (Relatively Low, 95.5)
Tornado	tract 1145 (Relatively Low, 45.1); tract 1014.02 (Relatively Low, 41.1); tract 1029 (Relatively Low, 38.5)
Volcanic Activity	tract 1135.21 (Very Low, 76.5); tract 1134.10 (Very Low, 76.4); tract 1135.14 (Very Low, 75.3)
Wildfire	tract 1101.03 (Very High, 99.6); tract 1151.09 (Very High, 99.5); tract 1131.05 (Very High, 99.5)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 1139.06 is Census Tract 1139.06). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

Extent: scale, observed range and worst recorded event per hazard

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Avalanche	none (count and damage only)	64 records, 1998 to 2026 (64 zone-level)		Avalanche, 2023-04-10, \$100,000 property; \$0 crops (2023 dollars); NWS zone UTZ111		Countywide (zone-level records).	
Coastal Flood, Storm Surge/ Tide	none in data (flood depth: FIRM)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	3 records, 1998 to 2005 (3 zone-level)	1 day to 4 days (median 1 day); 3 with a recorded value	4 consecutive days, 1998-12-21 to 1998-12-24, zone-level		Countywide (zone-level records).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					
Drought	U.S. Drought Monitor scale (D0 to D4)	0					Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	121 records, 1958 to 2026	0.75 in to 1.75 in (median 1 in); 121 with a recorded value	1.75 in hail, 2026-06-25; same size also recorded on 1970-05-23, 1983-09-03, 1991-08-04, 2006-07-04, 2016-06-13, 2026-06-25	Hail, 1994-10-05, \$5,000,000 property; crops not recorded (1994 dollars)	Event records naming jurisdictions in the plan: Herriman city (8 records), Salt Lake City city (8 records), Riverton city (7 records), Midvale city (5 records), South Jordan city (5 records), Holladay city (4 records), Murray city (4 records), Taylorsville city (4 records), Sandy city (3 records), West Jordan city (3 records); and 3 more jurisdictions (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	2 records, 2021 (2 zone- level)	2 days to 3 days (median 2.5 days); 2 with a recorded value	3 consecutive days, 2021-06-03 to 2021-06-05, zone-level		Countywide (zone-level records).	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	0					Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	3 records, 2005 to 2019 (3 zone-level)		No damage reported in 3 records.		Countywide (zone-level records).	
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	45 records, 1996 to 2025 (2 zone-level)		Flash Flood, 2023-08-03, \$16,000,000 property; \$0 crops (2023 dollars)		Event records naming jurisdictions in the plan: Alta town (3 records), Draper city (3 records), Salt Lake City city (3 records), Taylorsville city (3 records), Bluffdale city (2 records), Cottonwood Heights city (2 records), Brighton town (1 record), Herriman city (1 record), Midvale city (1 record), Riverton city (1 record). Zone-level records (2) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	2 records, 2019 to 2023		Debris Flow, 2023-04-13, \$50,000 property; \$0 crops (2023 dollars), 1 direct injury		No event record names a jurisdiction in the plan.	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	11 records, 1997 to 2013		Lightning, 2002-07-25, \$0 property; \$0 crops (2002 dollars), 2 direct deaths	Lightning, 1997-08-13, \$300,000 property; crops not reported (1997 dollars)	Event records naming jurisdictions in the plan: Midvale city (3 records), Holladay city (2 records), Draper city (1 record), Salt Lake City city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	282 records, 1996 to 2026 (282 zone-level)	35 kt (40 mph) to 129 kt (148 mph) (median 61 kt (70 mph)); 276 with a recorded value	129 kt (148 mph) measured gust, High Wind, 2022-12-27; NWS zone UTZ110	High Wind, 2020-09-08, \$4,300,000 property; \$0 crops (zone total, 2020 dollars)	Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	318 records, 1956 to 2026	35 kt (40 mph) to 83 kt (96 mph) (median 53 kt (61 mph)); 299 with a recorded value	83 kt (96 mph) estimated gust, Thunderstorm Wind, 2024-07-13	Thunderstorm Wind, 2006-08-01, \$2,000,000 property; crops not reported (2006 dollars)	Event records naming jurisdictions in the plan: Salt Lake City city (19 records), Cottonwood Heights city (7 records), Herriman city (6 records), Taylorsville city (5 records), South Jordan city (4 records), West Jordan city (4 records), Holladay city (3 records), Midvale city (3 records), Alta town (2 records), Murray city (2 records); and 2 more jurisdictions (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	14 records, 1965 to 2001	F/EF0 to F/EF2 (median F/EF0); 13 with a recorded value	F2 tornado, 1999-08-11, 4.3 mi within this county, 150 yd wide, \$170,000,000 property; \$500,000 crops (1999 dollars), 1 direct death, 80 direct injuries		Event records naming jurisdictions in the plan: Salt Lake City city (2 records), Holladay city (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	16 records, 2010 to 2026 (16 zone-level)		Wildfire, 2012-07-01, \$9,000,000 property; \$0 crops (2012 dollars); NWS zone UTZ008		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	515 records, 1996 to 2026 (515 zone- level)		Blizzard, 1997-01-11, \$40,000,000 property; crops not reported (1997 dollars), 50 direct injuries (reported for the zone); NWS zone UTZ003		Countywide (zone-level records).	

Where a hazard names more than 10 jurisdictions, the table lists the 10 with the most records; every one is in the Excel file, sheet "B1-c Extent".

In event narratives only (local data needed): wind chill, temperature, heat index, ice thickness, acres burned and snow depth; any physical measure of avalanche, debris flow, lightning and volcanic ash, volcanic ashfall.

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records from zones that no NWS zone-county file places in this county (mostly before 2020) are not counted here (the Methods page explains the zone matching).

Dollars are nominal (as reported), labeled with the year; not adjusted for inflation.

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 12 declarations covering 9 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Notes
2021-08-14	2021-08-14	FM-5408-UT	Fire management	Parleys Canyon Fire	Wildfire	no Public Assistance recorded	
2021-01-12	2020-09-07	DR-4578-UT	Major disaster	Straight-Line Winds	Strong Wind	\$5,678,044.63	
2020-07-09	2020-03-18	DR-4548-UT	Major disaster	Earthquake and Aftershocks	Earthquake	\$25,271,007.37	
2020-04-04	2020-01-20	DR-4525-UT	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$438,985,044.98	
2020-03-13	2020-01-20	EM-3478-UT	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded	same incident as DR-4525
2012-06-29	2012-06-29	FM-2991-UT	Fire management	Rose Crest Fire	Wildfire	no Public Assistance recorded	
2011-08-08	2011-04-18	DR-4011-UT	Major disaster	Flooding	Inland Flooding	\$1,367,180.76	
2010-09-19	2010-09-19	FM-2859-UT	Fire management	Machine Gun Fire	Wildfire	no Public Assistance recorded	
2005-09-05	2005-08-29	EM-3223-UT	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	\$249,917.79	
1999-08-16	1999-08-11	DR-1285-UT	Major disaster	Tornado, Severe Thunderstorms, and Hail	Tornado (primary); also designated: Hail	\$389,528.65	
1984-08-17	1984-08-17	DR-720-UT	Major disaster	Severe Storms, Mudslides, Landslides & Flooding	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded	
1983-04-30	1983-04-13	DR-680-UT	Major disaster	Severe Storms, Landslides & Flooding	Inland Flooding (primary); also designated: Landslide	no Public Assistance recorded	

School districts and special districts in this county: \$19,794,035.79 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

County Public Assistance: applicants the FEMA record places in this county, including any state agencies FEMA files there; statewide rows are listed on the state page; federal share obligated, nominal dollars.

Public Assistance filed under this county for declarations that do not list it: 4 rows, \$234,889.25

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4311-UT	2017-04-21	Severe Winter Storms and Flooding	Utah Department of Transportation	\$23,378.95
DR-4053-UT	2012-02-01	Severe Storm	Utah Transit Authority	\$91,730.14
DR-4053-UT	2012-02-01	Severe Storm	Utah Department of Transportation	\$111,405.74
DR-1598-UT	2005-08-01	Flooding and Landslides	Utah Department of Transportation	\$8,374.42

FEMA's Public Assistance summaries file these applicants under this county, but FEMA's declaration rows for these disasters do not designate it (an electric cooperative or district serving several counties, for example). Not in any declaration row above and not counted.

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Avalanche	64	4	5	23	0	0	1996 to 2026-06-30	
Coastal Flooding	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	3	0	0	0	0	0	1996 to 2026-06-30	
Drought	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Earthquake	0	0	0	0	1	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	121	5	0	13	1	0	1955 to 2026-06-30	
Heat Wave	2	0	0	0	0	0	1996 to 2026-06-30	
Hurricane	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Ice Storm	3	0	0	0	0	0	1996 to 2026-06-30	
Inland Flooding	45	0	1	10	3	0	1996 to 2026-06-30	
Landslide	2	0	0	1	2	0	1996 to 2026-06-30	
Lightning	11	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	600	15	22	156	1	0	1955 to 2026-06-30	Includes 271 High Wind and 11 Strong Wind records.

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Tornado	14	0	0	0	1	0	1950 to 2026-06-30	
Volcanic Activity	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Wildfire	16	1	0	1	3	0	1996 to 2026-06-30	
Winter Weather	515	3	7	61	0	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2024-07-13	Thunderstorm Wind	83 kt (96 mph) estimated gust	\$50,000 property; \$0 crops (2024 dollars)	0, 0	SALT LAKE CITY	within last 5 years	B1-c worst recorded: Thunderstorm Wind
2023-08-03	Flash Flood		\$16,000,000 property; \$0 crops (2023 dollars)	0, 0	NASH	within last 5 years	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2023-04-10	Avalanche		\$100,000 property; \$0 crops (zone total, 2023 dollars)	0, 0	NWS zone UTZ111 (WASATCH MOUNTAINS SOUTH OF I-80), zone-level	within last 5 years	B1-c worst recorded: Avalanche
2022-12-27	High Wind	129 kt (148 mph) measured gust	\$0 property; \$0 crops (zone total, 2022 dollars)	0, 0	NWS zone UTZ110 (WASATCH MOUNTAINS I-80 NORTH), zone-level	within last 5 years	B1-c worst recorded: High Wind and Strong Wind
2021-06-03	Excessive Heat		\$0 property; \$0 crops (zone total, 2021 dollars)	0, 0	NWS zone UTZ105 (SALT LAKE VALLEY), zone-level		B1-c worst recorded: Excessive Heat, Heat
2021-02-06	Avalanche		\$0 property; \$0 crops (zone total, 2021 dollars)	4, 1	NWS zone UTZ008 (WASATCH MOUNTAINS SOUTH OF I-80), zone-level		deaths or injuries recorded
2012-07-01	Wildfire		\$9,000,000 property; \$0 crops (zone total, 2012 dollars)	0, 0	NWS zone UTZ008 (WASATCH MOUNTAINS SOUTH OF I-80), zone-level		B1-c worst recorded: Wildfire
2003-12-26	Avalanche		\$0 property; \$0 crops (zone total, 2003 dollars)	3, 0	NWS zone UTZ008 (W SUMMIT T NW/SE SALT LAKE/WASATCH X SC/E UTAH/P X E JUAB/X NW SAN PETE), zone-level		deaths or injuries recorded
2002-07-25	Lightning		\$0 property; \$0 crops (2002 dollars)	2, 0	COUNTYWIDE		B1-c worst recorded: Lightning
2002-03-07	Winter Storm		\$140,000 property; \$0 crops (zone total, 2002 dollars)	2, 35	NWS zone UTZ003 (W SALT LAKE T X W/E TOOLE T X E), zone-level		deaths or injuries recorded
1999-08-11	Tornado	F2, 4.3 mi within this county, 150 yd wide	\$170,000,000 property; \$500,000 crops (1999 dollars)	1, 80	SALT LAKE CITY		B1-c worst recorded: Tornado
1997-01-11	Blizzard		\$40,000,000 property; crops not reported (zone total, 1997 dollars)	0, 50	NWS zone UTZ003 (SALT LAKE AND TOOLE VALLEYS), zone-level		B1-c worst recorded: Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet

The full list is in the Excel file, sheet "B1-d Storm Events history" (1,396 rows).

Location is the place NOAA recorded, as written in its data; it need not be a jurisdiction in this plan.

2 Fire Management declarations (1994-08-06 to 1994-08-06) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

Local data needed: state-declared emergencies, from your state emergency management agency (federal data do not include them).

Tribal and special-area declarations in this state are listed on the state page.

Supports FEMA checklist item B1-e: probability of future events

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Avalanche	1.53	events per year	about 1.53 per year	Highly likely	FEMA annualized frequency (modeled)	46	1994 to 2023 (30 years)	see B1-f	
Coastal Flooding	0	events per year at a location (modeled)	none modeled		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Cold Wave	0.0565	event-days per year	about 0.0565 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	1.07	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	48.8	event-days per year	about 48.8 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	1,680	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.0151	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 1.51%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	0.272	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	10.5 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	2.16	event-days per year	about 2.16 days per year	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	27.6	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane		events per year					1851 to 2024 (Atlantic)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Ice Storm	0.0149	event-days per year	about 0.0149 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	0	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.14	event-days per year	about 1.14 days per year	Likely	Storm Events event-days in 19 of 30 years, 1996 to 2025 (63.3%)	32	1996 to 2023 (28 years)	see B1-f	
Landslide	0.872	events per year (modeled)	about 0.87 per year	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	39.4	days per year with a strike	about 39.4 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.29	events per year	about 1.29 per year	Highly likely	FEMA annualized frequency (modeled)	50	1986 to 2023 (38 years)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area-weighted, so can be fractional)	NRI period	Location	Note
Tornado	0.0509	events per year	about 1 in 20 years	Possible	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Volcanic Activity	0.0001	annual probability	about 1 in 10,000 years	Unlikely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Wildfire	0.00653	annual probability at a location	chance a given location in the county burns in a year: 0.653%	Likely	Storm Events records in 6 of 30 years, 1996 to 2025 (20%)	not shown	modeled	see B1-f	
Winter Weather	28.2	event-days per year	about 28.2 days per year	Highly likely	Storm Events event- days in 30 of 30 years, 1996 to 2025 (100%)	523	2005-11-12 to 2024-11-12 (19 years)	countywide	

FEMA annualized frequency (modeled) is the National Risk Index v1.20 (December 2025) estimate of how often a hazard affects this county in a year; it is not recorded events divided by years, and its unit differs by hazard (events, event-days, or days with a lightning strike per year). For earthquake, wildfire, coastal flooding and tsunami the value is the chance (or number of events) at a location in the county, not across the county, so no "1 in N years" is given and the descriptor comes from Storm Events where it has a record (none for earthquake). The Methods page gives each hazard's method, from FEMA's National Risk Index Technical Documentation v1.20.

Where NRI gives event-days, the descriptor comes from the share of years with a Storm Events record; NRI's source records more events, so the two differ.

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

Unit	Descriptor	Definition
events per year	Highly likely	1 or more per year
events per year	Likely	about once in 1 to 10 years
events per year	Possible	about once in 10 to 100 years
events per year	Unlikely	less than once in 100 years
annual probability	Likely	10% to under 100% chance in a given year
annual probability	Possible	1% to under 10% chance in a given year
annual probability	Unlikely	under 1% chance in a given year
event-days (share of years)	Highly likely	event-days recorded in 90% or more of years
event-days (share of years)	Likely	event-days recorded in 10% to under 90% of years
event-days (share of years)	Possible	event-days recorded in some years but under 10% of years
lightning strike-days	Highly likely	cloud-to-ground strikes on 1 or more days per year

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	32	30	1.07
Hail	2.00 in+	1996 to 2025	0	30	0
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	198	30	6.6
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	18	30	0.6
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	5	30	0.167
Tornado	EF0-1	1996 to 2025	4	30	0.133
Tornado	EF2-3	1996 to 2025	1	30	0.0333
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

The bands show how often events of each severity were recorded in this county, to profile how severe events have been (FEMA's probability item asks for the range of intensities).

Hail smaller than 1 inch is not counted: on 2010-01-05 the National Weather Service raised its severe-hail threshold from 3/4 inch to 1 inch, so smaller reports became less common after 2009 (NWS Service Change Notice 09-52). NRI hail frequency uses a 0.75 inch threshold.

Optional: future conditions. Not a required item in the 2025 FEMA Local Mitigation Planning Policy Guide; some states ask for it. The federal Climate Mapping for Resilience and Adaptation (CMRA) site gives county exposure to future climate conditions (<https://resilience.climate.gov/>).

Supports FEMA checklist item B1-f: hazards that vary across jurisdictions

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Avalanche	16 of 251	97.8	98.0	99.6	Very High 16, Not Applicable 235
Coastal Flooding	0 of 251				No Rating 251
Cold Wave	251 of 251	15.7	18.1	21.2	Relatively Low 42, Very Low 209
Drought	63 of 251	68.0	74.6	91.4	Relatively Low 17, Very Low 46, No Rating 188
Earthquake	251 of 251	70.2	92.8	99.9	Very High 57, Relatively High 106, Relatively Moderate 77, Relatively Low 11
Hail	251 of 251	14.3	29.8	71.8	Relatively Moderate 1, Relatively Low 46, Very Low 204
Heat Wave	251 of 251	1.8	28.5	60.2	Relatively Moderate 2, Relatively Low 218, Very Low 31
Hurricane	0 of 251				Not Applicable 251
Ice Storm	251 of 251	0.2	0.9	3.2	Very Low 251
Inland Flooding	251 of 251	0.7	10.9	84.8	Relatively High 3, Relatively Moderate 12, Relatively Low 82, Very Low 154
Landslide	244 of 251	8.7	21.7	98.9	Relatively Moderate 2, Relatively Low 11, Very Low 231, No Rating 7

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Lightning	251 of 251	0.7	39.5	68.9	Relatively Moderate 50, Relatively Low 195, Very Low 6
Strong Wind	251 of 251	10.1	20.5	54.6	Relatively Moderate 1, Relatively Low 136, Very Low 114
Tornado	251 of 251	5.3	24.9	45.1	Relatively Low 49, Very Low 202
Volcanic Activity	251 of 251	40.5	57.8	76.5	Very Low 251
Wildfire	188 of 251	18.5	47.8	99.6	Very High 5, Relatively High 15, Relatively Moderate 22, Relatively Low 30, Very Low 116, No Rating 63
Winter Weather	251 of 251	17.1	74.9	93.2	Relatively High 90, Relatively Moderate 158, Relatively Low 2, Very Low 1

Drought: Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range mostly reflects where crop and livestock value is.

Rated tracts only: No Rating (score 0.0), Not Applicable and Insufficient Data tracts are counted but not used for the minimum, median and maximum.

The score ranks a tract against all U.S. tracts (100 = highest). The rating is FEMA's category for the tract's risk value, computed differently, so the two can disagree.

Frequency data for cold wave, drought, hail, heat wave, ice storm, lightning, strong wind and winter weather are county-wide or coarse (49 km grid or NWS zone), the same for every jurisdiction; the tract range mostly reflects where buildings and people are (crop and livestock value where a line above names agriculture).

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Salt Lake County	County	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 3	\$51,462,864.77	0 total; 0 since its plan	Includes \$50,320,372.86 for declarations not counted as hazard incidents (DR-4525-UT).
Alta town	Town	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	5 total; 1 since its plan	
Bluffdale city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	2 total; 0 since its plan	
Brighton town	Town	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	1 total; 0 since its plan	
Copperton metro township	Township	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Cottonwood Heights city	City	Plan 110711 approved 2025-12-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	11 total; no approved plan	
Draper city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	\$33,461.77	6 total; 0 since its plan	
Emigration Canyon metro township	Township	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Herriman city	City	Plan 110711 approved 2025-12-30, pending adoption here; not yet eligible	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	15 total; no approved plan	
Holladay city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 1	\$144,136.74	10 total; 3 since its plan	
Kearns metro township	Township	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Magna metro township	Township	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	
Midvale city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	12 total; 0 since its plan	
Millcreek city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	\$190,177.54	1 total; 0 since its plan	
Murray city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	\$27,549.13	6 total; 0 since its plan	
Riverton city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	9 total; 0 since its plan	
Salt Lake City city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 1	\$4,974,392.30	33 total; 2 since its plan	Includes \$189,791.46 for declarations not counted as hazard incidents (DR-4525-UT).
Sandy city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	\$24,776.29	3 total; 0 since its plan	
South Jordan city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	9 total; 0 since its plan	
South Salt Lake city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	\$94,023.15	0 total; 0 since its plan	
Taylorsville city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	\$7,601.40	12 total; 2 since its plan	
West Jordan city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 1	\$208,883.63	7 total; 1 since its plan	
West Valley City city	City	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	\$841,443.25	0 total; 0 since its plan	Includes \$367,501.63 for declarations not counted as hazard incidents (DR-4525-UT).
White City metro township	Township	Approved, expires 2030-12-29	FMA RL 0, SRL 0; any 0	no Public Assistance recorded	0 total; 0 since its plan	

Repetitive-loss counts are for whole NFIP communities, which can extend beyond this county (see the note in B2-c).

School districts and special districts get a plan clock row only.

County Public Assistance in B1-d also includes applicants filed under the county that are not jurisdictions in this plan (for example state agencies, special districts and nonprofits), so the jurisdiction rows add up to less.

Supports FEMA checklist items B2-a and B2-b: vulnerability and potential impacts

Local data needed

The table below gives county-level starting figures; the plan describes impacts for each jurisdiction and its own assets.

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction per hazard
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets

County-level starter: exposure, expected annual loss and damage since the plan

Sources: 1, 2, 3, 5, 6, 7

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year; not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-12-30 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche	\$79,493,529	n/a	10	\$8,748	n/a	\$11,693,603	0.011%		\$0		
Coastal Flooding	\$0	n/a	0	\$0	n/a	\$0					building exposure is 0 in NRI
Cold Wave	\$192,182,385,918	\$25,622,014	1,182,917	\$4,743	\$812	\$690,836	under 0.0001%				
Drought	n/a	\$20,233,296	n/a	n/a	\$143,709	n/a	0.71% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$340,253,206,284	n/a	1,185,238	\$205,577,112	n/a	\$281,991,361	0.0604%				
Hail	\$193,317,344,470	\$25,623,785	1,185,141	\$745,415	\$437	\$8,449	0.000386%	\$0			
Heat Wave	\$192,065,659,458	\$25,602,349	1,182,527	\$1,178	\$2,330	\$6,251,111	under 0.0001%				
Hurricane											Not Applicable in NRI for this county
Ice Storm	\$193,317,344,470	n/a	1,185,141	\$8,641	n/a	\$3,366	under 0.0001%				
Inland Flooding	\$193,271,480,285	\$642,589	9,320	\$79,236,169	\$53	\$102,522	n/a (see note)				NRI counts the full building value of any census block with some flood loss; this is not the value of buildings in the floodplain. Use local FIRM overlays for B2-a/B2-b.
Landslide	\$3,107,780,567	n/a	12,179	\$4,054	n/a	\$48,929	0.00013%				
Lightning	\$193,317,344,470	n/a	1,185,141	\$83,147	n/a	\$2,446,429	under 0.0001%				
Strong Wind	\$193,317,344,470	\$25,623,785	1,185,141	\$463,735	\$8,225	\$890,113	0.00024%	\$8,500	\$0		

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year; not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2025-12-30 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Tornado	\$193,317,344,470	\$25,623,785	1,185,141	\$1,187,124	\$180	\$2,626,832	0.000614%				
Volcanic Activity	\$193,317,344,470	n/a	1,185,141	\$1	n/a	\$280	under 0.0001%				
Wildfire	\$13,961,566,541	\$14,399,566	88,215	\$23,879,130	\$305	\$1,303,099	0.171%				
Winter Weather	\$193,317,344,470	\$25,623,785	1,185,141	\$62,107	\$120	\$2,268,918	under 0.0001%		\$800,000		

Totals since 2025-12-30 (Storm Events through 2026-06-30): 17 county-coded records, 17 with a damage value recorded (including \$0), \$8,500; 11 zone-level records, 10 with a damage value recorded (including \$0), \$800,000 reported for the zone; Public Assistance: no counted declaration since the plan.

FEMA does not split Public Assistance by hazard. A declaration mapped to several hazards is listed under each of them with its full amount, so the per-hazard column does not add up to the total; the unit total counts each declaration once.

NRI computes earthquake exposure on its own basis, so it exceeds the county building value in B2-a.

Supports FEMA checklist item B2-a: vulnerability (county context)

County context

Source: 5

Measure	Value
Population	1,185,141
Building value (total, not at risk)	\$193,317,344,470
Agriculture value (total, not at risk)	\$25,623,785
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$311,417,474
Expected annual loss, population equivalence, all hazards (NRI values each statistical life at \$13.7M; a modeled value of expected deaths and injuries, not property damage)	\$310,325,848
Social vulnerability rating	Very Low
Community resilience rating	Relatively High
NRI version	December 2025

FEMA's all-hazard expected annual loss adds buildings, agriculture and population equivalence; this table gives the property part and the population-equivalence part as separate rows.

Social vulnerability: higher means people are more likely to be harmed and slower to recover. Community resilience: lower means the community is less able to recover. High social vulnerability and low resilience both raise the NRI risk rating.

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	0	Severe repetitive loss, FMA definition (44 CFR 77.2)	0
Repetitive loss, NFIP insurance definition	6	Severe repetitive loss, NFIP insurance definition	0

The state NFIP coordinator's list, the source FEMA's Handbook names, often uses the NFIP insurance definition (second row).

Repeat-flood properties: county total and NFIP communities

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	0	0	6	0	6	0	1
of which: Salt Lake County (unincorporated area)	0	0	3	0	3	0	1
of which: Salt Lake City city	0	0	1	0	1	0	0
of which: West Jordan city	0	0	1	0	1	0	0
of which: Holladay city	0	0	1	0	1	0	0

Repeat-flood properties by jurisdiction in the plan (NFIP community)

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Salt Lake County	490102	0	0	3	0	3	0	1
Alta town	490251	0	0	0	0	0	0	0
Bluffdale city	490247	0	0	0	0	0	0	0
Brighton town	490237	0	0	0	0	0	0	0
Copperton metro township	490267	0	0	0	0	0	0	0
Cottonwood Heights city	490028	0	0	0	0	0	0	0
Draper city	490244	0	0	0	0	0	0	0
Emigration Canyon metro township	490268	0	0	0	0	0	0	0
Herriman city	490252	0	0	0	0	0	0	0
Holladay city	490253	0	0	1	0	1	0	0
Kearns metro township	490265	0	0	0	0	0	0	0
Magna metro township	490266	0	0	0	0	0	0	0
Midvale city	490211	0	0	0	0	0	0	0

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
Millcreek city	490231	0	0	0	0	0	0	0
Murray city	490103	0	0	0	0	0	0	0
Riverton city	490104	0	0	0	0	0	0	0
Salt Lake City city	490105	0	0	1	0	1	0	0
Sandy city	490106	0	0	0	0	0	0	0
South Jordan city	490107	0	0	0	0	0	0	0
South Salt Lake city	490219	0	0	0	0	0	0	0
Taylorsville city	490248	0	0	0	0	0	0	0
West Jordan city	490108	0	0	1	0	1	0	0
West Valley City city	490245	0	0	0	0	0	0	0
White City metro township	490269	0	0	0	0	0	0	0

Counts by occupancy group for each jurisdiction are in the Excel file, sheet "B2-c Jurisdictions".

Jurisdiction rows are whole NFIP communities and need not add up to the county total: a community that extends into another county is counted in full on each jurisdiction row, while the county table counts only its part in this county.

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	0	0	4	0	4	0	1
2 to 4 unit residential	0	0	1	0	1	0	0
other residential	0	0	1	0	1	0	0
non-residential	0	0	0	0	0	0	0
not reported	0	0	0	0	0	0	0

FEMA's occupancy groups have no institutional class; institutional properties are counted in non-residential or other residential in the table by occupancy group.

FMA RL and FMA SRL are the Flood Mitigation Assistance definitions (44 CFR 77.2), the ones the FEMA Local Mitigation Planning Policy Guide cites. NFIP repetitive loss (the FEMA insurance definition) is 2 or more claims over \$1,000 in 10 years, and a property can leave that group once it is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured. The Methods page gives the OpenFEMA field details.

Counts are aggregates of FEMA's public NFIP Multiple Loss Properties file (FEMA's data date 2026-08-02; file version 2026-08-04). No property is identified. County assignment is FEMA's geocode.

In this county 0 properties are FMA repetitive loss but not NFIP repetitive loss, and 6 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Tables cite these sources by number. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
 2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-29T162832Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
 3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-29T150754Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
 4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
 5. FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-30, https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_Counties.zip (download, 25 MB), https://www.fema.gov/about/reports-and-data/openfema/nri/v120/NRI_Table_CensusTracts.zip (download, 635 MB)
 6. NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-30, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 7. NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-30, <https://www.weather.gov/gis/ZoneCounty>
 8. U.S. Census Bureau, Census 2024 Gazetteer, 2020 place by county, CT county-to-cousub crosswalk, version 2024-gazetteer, pulled 2026-09-30, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_counties_national.zip, [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scscd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_scscd_national.zip), https://www2.census.gov/geo/docs/reference/codes2020/national_place_by_county2020.txt, https://www2.census.gov/geo/docs/reference/ct_change/ct_cou_to_cousub_crosswalk.xlsx (used to match place names and codes; no table prints its values)
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What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment (the summary on page 1 says how it is organized); the plan and FEMA's review decide whether each item is met.

The plan adds what only the community has: local data on assets, critical facilities, development and each jurisdiction's impacts; local hazard history, including state-declared emergencies; the mitigation strategy; and adoption.

How the federal data are built: National Risk Index values are FEMA's model, not counts of events. Storm Events is more complete from 1996; zone-level records are placed by forecast zone, not by location in the county. Public Assistance for a jurisdiction is matched by applicant name. The Methods page gives every rule and the known edge cases.

OpenFEMA disclaimer

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Reuse, citation and corrections

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Cite this: Hazard Plain (2026). Salt Lake County, UT: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 49035). Automated baseline. <https://hazardplain.org/ut/49035/> Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

Corrections: to report an error, name the packet, the table and what your records show. Contact: contact@hazardplain.org