

Harris County, TX

Risk-assessment baseline packet

Unit **County area 48201** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

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A starting point for the plan's risk assessment (FEMA Local Mitigation Plan Review Tool, Element B). It does not replace local data or FEMA review. Section headings say which FEMA review item each table supports; whether an item is satisfied is decided by the plan and its reviewers.

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Plan clock

Status	Approved, expires 2031-04-15	Plan	Harris County (FEMA plan 110989)
Approved	2026-04-16	Expires	2031-04-15
As of	2026-09-28	Days	1,660 days to expiry

What changed since your last plan (approved 2026-04-16)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	17 (data through 2026-06-30)
Repetitive loss now	FMA RL 6,975, SRL 5,353 (44 CFR 77.2); any definition: 19,904	Repeat-flood change	First release: no prior release to compare.

SOURCES: FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API); FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API); NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>; FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

Plan status for every jurisdiction listed in this county: 56 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" after these cover pages.

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

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Plan clock**Plan status for every jurisdiction listed in this county**

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Harris County	County	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-03
Baytown city	City	Approved, expires 2030-08-27	Baytown (FEMA plan 110814)	2025-08-28	2030-08-27	1,429		
Bellaire city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-11
Bunker Hill Village city	Village	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-29
Deer Park city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-07-23
El Lago city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Friendswood city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		Also approved under plan 107112 (Galveston County, expires 2027-07-10). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. member approved 2026-08-05
Galena Park city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Hedwig Village city	Village	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-17
Hilshire Village city	Village	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-04
Houston city	City	Approved, expires 2028-11-15	Houston (FEMA plan 108932)	2023-11-16	2028-11-15	779		
Humble city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-07-01
Hunters Creek Village city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Jacinto City city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Jersey Village city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-04
Katy city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-07-07
La Porte city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-07-20
Missouri City city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		Also approved under plan 109424 (Fort Bend County, expires 2029-10-29). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. member approved 2026-08-25
Morgan's Point city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-07-23
Nassau Bay city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-11
Pasadena city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-07-28
Pearland city	City	Approved, expires 2029-04-28	Pearland (FEMA plan 109554)	2024-04-29	2029-04-28	943		
Piney Point Village city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-07-02
Seabrook city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry	Update underway	Notes
						<i>negative = days since expiry</i>		
South Houston city	City	Expired on 2021-07-07	South Houston (FEMA plan 100647)	2016-07-07	2021-07-07	-1,909		
Southside Place city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		Also approved under plan 107855 (Southside Place, expires 2027-01-18). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. member approved 2026-06-29
Spring Valley Village city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-09-03
Stafford city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-09-03
Taylor Lake Village city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-04
The Woodlands CDP	Unincorporated	Approved, expires 2029-05-01	Montgomery County (FEMA plan 109183)	2024-05-02	2029-05-01	946		
Tomball city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-07-16
Waller city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Webster city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-11
West University Place city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Cypress-Fairbanks Independent School District	School/School District	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-08-25
Katy Independent School District	School/School District	No approved plan on record	none	none	none		FEMA tracker shows a plan in review	
Spring Independent School District	School/School District	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Waller Independent School District	School/School District	Approved, expires 2030-04-08	Waller County (FEMA plan 110285)	2025-04-09	2030-04-08	1,288		member approved 2025-06-18

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Cypress Creek Drainage Improvement District	Flood Control District	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Goose Creek Independent School District	School/School District	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Harris County Flood Control District	Flood Control District	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-04
Harris County Office of Administration	Community Services District	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-06-04
Harris County Water Control Improvement District 110	Water/Sewer Authority	Approved, expires 2030-01-14	Harris County Water Control Improvement District 110 (FEMA plan 110030)	2025-01-15	2030-01-14	1,204		
Harris Health System	Hospital/Medical Facility	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Houston Community College	College/University	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Lee College	College/University	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-07-02
Metropolitan Transit Authority of Harris County (METRO)	Transit/Airport	No approved plan on record	none	none	none		FEMA tracker shows a plan awaiting revisions	
Port of Houston	Highway/Port/Rail	No approved plan on record. Approvable pending adoption, not yet eligible	none	none	none		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.
Rice University	College/University	Approved, expires 2031-04-12	Rice University (FEMA plan 110272)	2026-04-13	2031-04-12	1,657		
San Jacinto College	College/University	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,660		member approved 2026-08-19
St. Luke's Episcopal Hospital	Hospital/Medical Facility	Expired on 2018-10-03	St. Luke's Episcopal Hospital (FEMA plan 69051)	2013-10-03	2018-10-03	-2,917		
University of Houston	College/University	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
University of Houston Childrens Learning Center	College/ University	Expired on 2022-01-31	University of Houston Children's Learning Center (FEMA plan 102207)	2017-01-31	2022-01-31	-1,701		member approved 2017-01-25
University of Texas MD Anderson Cancer Center	Hospital/ Medical Facility	Approved, expires 2031-08-18	University of Texas MD Anderson Cancer Center (FEMA plan 110557)	2026-08-19	2031-08-18	1,785		
University of Texas Pan American	Hospital/ Medical Facility	Expired on 2021-01-11	University of Texas Pan American (FEMA plan 101610)	2016-01-11	2021-01-11	-2,086		
Varnett Public Schools	School/School District	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	Harris County (FEMA plan 110989), pending adoption here	2026-04-16 by FEMA; not yet adopted here	2031-04-15 once adopted		FEMA tracker shows a plan approvable pending adoption	Not yet eligible: adopt the approved plan.

Plan 110989 also covers 1 other participant not listed on this page: Shoreacres city (Chambers County).

SOURCE

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Supports B1-a: hazards

Hazards NRI does not cover: check locally

- 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)

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
1	Inland Flooding	Very High	Very High	\$1,086,745,610	\$5,613	\$35,328,055	\$1,122,079,278	233		
2	Hurricane	Very High	Very High	\$428,046,822	\$515,186	\$29,297,267	\$457,859,275	11		
3	Tornado	Very High	Very High	\$62,944,461	\$1,561	\$344,441,903	\$407,387,921	96		
4	Cold Wave	Very High	Very High	\$637,335	\$24,282	\$117,466,837	\$118,128,454	7		
5	Heat Wave	Very High	Relatively High	\$2,344	\$262	\$80,361,182	\$80,363,788	72		
6	Lightning	Very High	Very High	\$513,793		\$8,073,214	\$8,587,007	72		

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records since 1996 <i>count</i>	Evidence for an omission <i>NRI Not Applicable, no declaration and no Storm Events record since 1996</i>	Storm Events coverage note
7	Strong Wind	Very High	Very High	\$3,781,988	\$3,328	\$3,933,495	\$7,718,811	529		Includes 1 High Wind record and 4 Strong Wind records, event types the NRI definition of this hazard leaves out.
8	Earthquake	Relatively Moderate	Relatively Moderate	\$4,098,919		\$1,810,180	\$5,909,099			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
9	Ice Storm	Very High	Very High	\$3,488,827		\$638,102	\$4,126,929	2		
10	Coastal Flooding	Relatively High	Relatively Moderate	\$2,156,974		\$344,607	\$2,501,580	8		
11	Hail	Relatively Moderate	Relatively Moderate	\$1,540,077	\$12,625	\$43,004	\$1,595,707	480		
12	Wildfire	Relatively Low	Relatively Low	\$457,939	\$276	\$103,946	\$562,161	0		Declared 3 times; no Storm Events record of this type. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
13	Drought	Relatively Moderate	Relatively Moderate		\$549,870		\$549,870	16		
14	Winter Weather	Relatively High	Relatively High	\$74,271	\$11	\$221,665	\$295,947	11		Includes 1 Sleet record, event types the NRI definition of this hazard leaves out.
15	Landslide	Relatively Moderate	Relatively Low	\$36,539		\$16	\$36,555	0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Avalanche	Not Applicable	Not Applicable					0	NRI rates avalanche Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Tsunami	Insufficient Data	Insufficient Data					0		No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
	Volcanic Activity	Not Applicable	Not Applicable					0	NRI rates volcanic activity Not Applicable for this county, and no federal declaration for this county names it.	No recorded events in Storm Events since 1996 (data through 2026-06-30). Storm Events coverage of this hazard is limited; absence is not evidence of low risk.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Check your state hazard mitigation plan's hazard list for this county; explain any hazard you drop.

Supports B1-b: location

Where each hazard occurs

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Avalanche	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 1,115
Coastal 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.	266 of 1,115
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	1,115 of 1,115
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	71 of 1,115
Earthquake	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	1,115 of 1,115
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	1,115 of 1,115
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	1,115 of 1,115
Hurricane	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	1,115 of 1,115
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	1,115 of 1,115
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.	1,115 of 1,115
Landslide	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	1,035 of 1,115
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	1,115 of 1,115
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	1,115 of 1,115
Tornado	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	1,115 of 1,115
Tsunami	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 1,115
Volcanic Activity	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	0 of 1,115
Wildfire	Census tract rating counts from the National Risk Index tract table (see B1-f). Tract maps and place names are not in this packet.	858 of 1,115
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	1,115 of 1,115

SOURCE
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B1-c: extent

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

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Avalanche	none (count and damage)	0					Physical measure: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	8, 1997 to 2024 (8 zone- level)		Storm Surge/Tide, 2008-09-12, \$3,000,000,000 property; crops not reported, reported for the zone (2008 dollars); NWS zone TXZ213 (HARRIS), zone- level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	7, 1997 to 2026 (7 zone- level)	1 day to 5 days (median 1 day); 5 with a recorded value	5 consecutive days, 2021-02-12 to 2021-02-16, 33 direct deaths, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Wind chill: in event narratives only; local data required.
Frost/Freeze (outside NRI Cold Wave definition)	crop damage	0					Temperature: in event narratives only; local data required.
Drought	US Drought Monitor D- scale	16, 1996 to 2023 (16 zone- level)	7 days to 123 days (median 61 days); 7 with a recorded value	123 days (4 months), 1998-05-01 to 1998-08-31, a run of 4 consecutive Storm Events drought records, zone- level	Drought, 1998-08-01, \$1,000,000 property; \$7,300,000 crops, reported for the zone (1998 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	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					No Storm Events record; local data required (e.g., USGS).
Hail	hail size (inches)	607, 1956 to 2026	0.75 in to 3 in (median 1 in); 607 with a recorded value	3 in hail, 2006-05-04	Hail, 2001-04-16, \$20,000,000 property; crops not reported (2001 dollars)	Event records naming member places: Houston city (92 records), Katy city (24 records), Jersey Village city (21 records), Tomball city (18 records), Humble city (12 records), Bellaire city (10 records), Pasadena city (9 records), Deer Park city (8 records), Webster city (7 records), Baytown city (6 records); and 10 more member places (see the XLSX file).	
Excessive Heat, Heat	heat index (narratives)	72, 1998 to 2023 (72 zone- level)	1 day to 31 days (median 1 day); 53 with a recorded value	31 days, 1999-08-01 to 1999-08-31, from 1 monthly summary record (a monthly summary record covers most or all of a month; it does not count days at wave conditions), 6 direct deaths, zone-level		Zone-level records: applies countywide; national data do not locate these events within the county.	Heat index: in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	11, 1998 to 2021 (11 zone-level)		Strongest recorded (records with damage, a wind speed or direct casualties first, then storm type, category and wind): Hurricane (Typhoon) record, 2008-09-12 to 2008-09-14, category 2, \$2,000,000,000 property; crops not reported, reported for the zone (2008 dollars); NWS zone TXZ213 (HARRIS), zone-level: may include parts of neighboring counties	Most damaging recorded: Tropical Storm, 2001-06-05, \$5,030,000,000 property; crops not reported, reported for the zone (2001 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	Storm Events files every zone of a storm's episode under the storm's event type and category, so a Hurricane (Typhoon) record, especially an inland or remnant one, does not by itself mean hurricane-force winds here; read the damage and wind columns.
Ice Storm	Sperry-Piltz (local data)	2, 1997 to 2007 (2 zone-level)		Ice Storm, 2007-01-16, \$5,000 property; \$0 crops, reported for the zone (2007 dollars); NWS zone TXZ213 (HARRIS), zone-level: may include parts of neighboring counties		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: in event narratives only; local data required.
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	233, 1996 to 2026 (2 zone-level)		Flash Flood, 2017-08-26, \$10,000,000,000 property; \$100,000 crops (2017 dollars), 36 direct deaths		Event records naming member places: Houston city (25 records), Katy city (7 records), Pasadena city (6 records), Webster city (6 records), La Porte city (5 records), Humble city (4 records), Tomball city (4 records), Bellaire city (3 records), Jersey Village city (3 records), Missouri City city (3 records); and 8 more member places (see the XLSX file). Zone-level records (2) apply countywide.	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage can be \$0 or blank even for a major flood, so the worst record here may not be the worst flood; compare FEMA Public Assistance by declaration in B1-d.
Debris Flow	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	72, 1996 to 2024		Lightning, 2012-07-15, \$0 property; \$0 crops (2012 dollars), 2 direct deaths, 1 direct injury	Lightning, 1997-07-28, \$5,000,000 property; crops not reported (1997 dollars)	Event records naming member places: Houston city (12 records), Baytown city (2 records), Deer Park city (2 records), Humble city (2 records), Pasadena city (2 records), Tomball city (2 records), Bellaire city (1 record), Galena Park city (1 record), Katy city (1 record), Webster city (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	5, 1997 to 2025 (5 zone-level)	40 kt (46 mph) to 53 kt (61 mph) (median 44 kt (51 mph)); 4 with a recorded value	53 kt (61 mph) estimated gust, High Wind, 2025-03-04; NWS zone TXZ213 (INLAND HARRIS), zone-level: may include parts of neighboring counties	Strong Wind, 2006-01-17, \$40,000 property; crops not reported, reported for the zone (2006 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	716, 1955 to 2026	43 kt (49 mph) to 90 kt (104 mph) (median 52 kt (60 mph)); 453 with a recorded value	90 kt (104 mph) estimated gust, Thunderstorm Wind, 2024-05-16	Thunderstorm Wind, 2024-05-16, \$70,000,000 property; \$0 crops (2024 dollars)	Event records naming member places: Houston city (117 records), Humble city (16 records), Pasadena city (16 records), Katy city (15 records), Tomball city (12 records), Bellaire city (10 records), Baytown city (8 records), Deer Park city (8 records), La Porte city (8 records), Jersey Village city (7 records); and 7 more member places (see the XLSX file).	
Tornado	Enhanced Fujita (F before Feb 2007)	253, 1950 to 2025	F/EF0 to F/EF4 (median F/EF0); 250 with a recorded value	F4 tornado, 1992-11-21, 20 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 1,800 yd wide, \$250,000,000 property; crops not recorded (1992 dollars), 15 direct injuries		Event records naming member places: Houston city (7 records), Baytown city (6 records), La Porte city (6 records), Pasadena city (6 records), Tomball city (5 records), Bellaire city (3 records), Deer Park city (3 records), Friendswood city (2 records), Humble city (2 records), Jersey Village city (2 records); and 4 more member places (see the XLSX file).	From 1996 on, tornado records are per-county segments and length is the path length within this county (NWS Instruction 10-1605); records before 1996 may give the whole path length, including the path outside this county, and before 1996 a tornado is listed once, under the county where it began, with the whole path's rating; counties farther along the path may not list it. Length is not used to rank tornadoes.
Tsunami	none (count and damage)	0					Physical measure: in event narratives only; local data required.
Volcanic Ash, Volcanic Ashfall	Volcanic Explosivity Index (local data)	0					Physical measure: in event narratives only; local data required.
Wildfire	acres burned (local data)	0					Acres burned: in event narratives only; local data required.
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall local)	11, 2004 to 2025 (11 zone-level)		No damage reported in 11 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Snow depth: in event narratives only; local data required.

Where a hazard names more than 10 member places, the table lists the 10 with the most records; every place is in the XLSX file, sheet "B1-c Extent".

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

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

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Supports B1-d: previous occurrences

Declaration rows 41 Counted incidents 34

Federal disaster declarations for this county

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2024-07-09	2024-07-05	DR-4798-TX	Major disaster	HURRICANE BERYL	Hurricane	\$107,327,783.17	within last 5 years	
2024-05-17	2024-04-26	DR-4781-TX	Major disaster	SEVERE STORMS, STRAIGHT-LINE WINDS, TORNADOES, AND FLOODING	Inland Flooding (primary); also designated: Strong Wind, Tornado	\$51,870,632.34	within last 5 years	
2021-02-19	2021-02-11	DR-4586-TX	Major disaster	SEVERE WINTER STORMS	Ice Storm	\$10,056,704.90		
2021-02-14	2021-02-11	EM-3554-TX	Emergency	SEVERE WINTER STORM	Ice Storm	none found		same incident as DR-4586
2020-08-24	2020-08-23	EM-3540-TX	Emergency	TROPICAL STORMS MARCO AND LAURA	Hurricane	\$1,309,350.36		
2020-07-26	2020-07-25	EM-3530-TX	Emergency	HURRICANE HANNA	Hurricane	none found		
2020-03-25	2020-01-20	DR-4485-TX	Major disaster	COVID-19 PANDEMIC	Non-natural, not counted	\$623,499,222.35		
2020-03-13	2020-01-20	EM-3458-TX	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4485
2019-10-04	2019-09-17	DR-4466-TX	Major disaster	TROPICAL STORM IMELDA	Inland Flooding (primary); also designated: Hurricane	PA not declared for this county		
2017-08-25	2017-08-23	DR-4332-TX	Major disaster	HURRICANE HARVEY	Hurricane	\$1,162,699,901.72		
2016-06-11	2016-05-22	DR-4272-TX	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$423,112.62		FEMA's declaration record does not list Public Assistance, but FEMA's PA project summaries show obligations for this county
2016-04-25	2016-04-17	DR-4269-TX	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$20,616,206.62		
2015-11-25	2015-10-22	DR-4245-TX	Major disaster	SEVERE STORMS, TORNADOES, STRAIGHT-LINE WINDS, AND FLOODING	Inland Flooding; Strong Wind; Tornado	PA not declared for this county		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2015-05-29	2015-05-04	DR-4223-TX	Major disaster	SEVERE STORMS, TORNADOES, STRAIGHT-LINE WINDS AND FLOODING	Inland Flooding; Strong Wind; Tornado	\$12,040,710.40		
2011-06-17	2011-06-17	FM-2924-TX	Fire management	FOREST BROOK FIRE	Wildfire	none found		
2008-09-13	2008-09-07	DR-1791-TX	Major disaster	HURRICANE IKE	Hurricane (primary); also designated: Inland Flooding	\$395,961,021		
2008-09-10	2008-09-07	EM-3294-TX	Emergency	HURRICANE IKE	Hurricane	\$0		same incident as DR-1791
2008-08-29	2008-08-27	EM-3290-TX	Emergency	HURRICANE GUSTAV	Hurricane	none found		
2007-10-02	2007-08-14	DR-1730-TX	Major disaster	TROPICAL STORM ERIN	Hurricane	PA not declared for this county		
2007-08-18	2007-08-17	EM-3277-TX	Emergency	HURRICANE DEAN	Hurricane	\$14,914.86		
2006-01-11	2005-11-27	DR-1624-TX	Major disaster	EXTREME WILDFIRE THREAT	Wildfire	\$2,469.13		
2005-09-24	2005-09-23	DR-1606-TX	Major disaster	HURRICANE RITA	Hurricane	\$18,244,930.28		
2005-09-21	2005-09-20	EM-3261-TX	Emergency	HURRICANE RITA	Hurricane	\$844,855.52		same incident as DR-1606
2005-09-02	2005-08-29	EM-3216-TX	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	\$323,699,736.65		
2002-11-05	2002-10-24	DR-1439-TX	Major disaster	SEVERE STORMS, TORNADOES AND FLOODING	Inland Flooding; Tornado	PA not declared for this county		
2001-06-09	2001-06-05	DR-1379-TX	Major disaster	TX-TROPICAL STORM ALLISON-06-06-2001	Hurricane	\$357,642,908.89		
1999-09-01	1999-08-01	EM-3142-TX	Emergency	EXTREME FIRE HAZARDS	Wildfire	none found		
1998-10-21	1998-10-17	DR-1257-TX	Major disaster	TX-FLOODING 10/18/98	Inland Flooding (primary); also designated: Tornado	\$382,040.61		
1998-09-23	1998-09-09	DR-1245-TX	Major disaster	HURRICANE GEORGES - TEXAS	Hurricane; Inland Flooding	none found		
1998-08-26	1998-08-22	DR-1239-TX	Major disaster	TROPICAL STORM CHARLEY	Hurricane; Inland Flooding: designated for Hazard Mitigation only (no Public or Individual Assistance for this county); not counted	PA not declared for this county		
1994-10-18	1994-10-14	DR-1041-TX	Major disaster	SEVERE THUNDERSTORMS AND FLOODING	Inland Flooding	none found		
1992-12-04	1992-11-21	DR-970-TX	Major disaster	SEVERE THUNDERSTORMS & TORNADOES	Tornado	PA not declared for this county		
1992-03-20	1992-03-04	DR-937-TX	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	PA not declared for this county		
1989-07-18	1989-06-25	DR-836-TX	Major disaster	TROPICAL STORM ALLISON	Inland Flooding (primary); also designated: Hurricane	PA not declared for this county		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
1989-05-19	1989-05-04	DR-828-TX	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	none found		
1984-10-30	1984-10-30	DR-727-TX	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	PA not declared for this county		
1983-08-19	1983-08-18	DR-689-TX	Major disaster	HURRICANE ALICIA	Hurricane	none found		
1979-09-25	1979-09-25	DR-603-TX	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1979-04-26	1979-04-26	DR-580-TX	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	PA not declared for this county		
1976-06-19	1976-06-19	DR-510-TX	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		
1973-07-11	1973-07-11	DR-398-TX	Major disaster	SEVERE STORMS & FLOODING	Inland Flooding	none found		

School districts and special districts in this county: \$287,295,188.66 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan members in this county. They are not shown as member blocks, 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); do not add this line to the county total.

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.

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

SOURCES

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Statewide declarations

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	Flags	Notes
1998-06-23	1998-06-04	EM-3127-TX	Emergency	FIRE	Wildfire		
1963-09-24	1963-09-24	DR-159-TX	Major disaster	HURRICANE CINDY	Hurricane (primary); also designated: Inland Flooding		
1961-09-16	1961-09-16	DR-118-TX	Major disaster	HURRICANE CARLA	Hurricane (primary); also designated: Inland Flooding		
1960-07-15	1960-07-15	DR-103-TX	Major disaster	HEAVY RAINS, HAIL, FLOODS & TORNADOES	Hail; Inland Flooding; Tornado		
1959-07-08	1959-07-08	DR-93-TX	Major disaster	FLOODS	Inland Flooding		
1958-06-06	1958-06-06	DR-85-TX	Major disaster	TORNADOES, RAIN, HAIL & FLOODS	Tornado (primary); also designated: Hail, Inland Flooding		
1957-04-29	1957-04-29	DR-72-TX	Major disaster	HURRICANE, RAIN, WIND, HAIL & FLOODS	Hurricane (primary); also designated: Hail, Inland Flooding		
1954-07-01	1954-07-01	DR-18-TX	Major disaster	FLOOD	Inland Flooding		
1953-06-19	1953-06-19	DR-9-TX	Major disaster	FLOOD	Inland Flooding		
1953-05-15	1953-05-15	DR-2-TX	Major disaster	TORNADO & HEAVY RAINFALL	Tornado		

FEMA recorded these with designated area Statewide and no county. Listed on every county page in the state; not counted with county rows.

91 Fire Management declarations (1988-03-12 to 2009-04-10) FEMA filed as Statewide with no county; each names one local fire. Listed on the state page.

SOURCE

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Public Assistance filed under this county for declarations that do not list it: 1 row, \$2,667.75

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4029-TX	2011-09-09	WILDFIRES	BASTROP COUNTY MUNICIPAL UTILITY DISTRICT NUMBER 1	\$2,667.75

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.

SOURCES

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

Public Assistance not placed in a county in this state: 1 row, \$902,084.65

Disaster number	Declared	Applicant	County field in FEMA data	PA obligated <i>federal share obligated, nominal dollars</i>	Why not placed
1791	2008-09-13	AOF/Houston Affordable Housing Corporation	Fulton County	\$902,084.65	county field is a county of another state and the applicant name does not identify a place in the declaring state

FEMA's Public Assistance summaries file these applicants under a county field that is not a county of this state (an Alaska school area, the former Valdez-Cordova Census Area, or another state's county), and the applicant name does not identify one place here. They are listed for the whole state and are not in any county total. Check whether any of them worked in your county.

SOURCE

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

Previous occurrences by hazard, with explicit no-event rows

Hazard	Storm Events records <i>full period</i>	Since plan approval records	During plan review records	Last 5 years records	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Avalanche	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Coastal Flooding	8	0	0	1	0	0	1996 to 2026-06-30	
Cold Wave	7	0	1	1	0	0	1996 to 2026-06-30	
Drought	16	0	0	7	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	607	7	8	71	0	0	1955 to 2026-06-30	
Heat Wave	72	0	0	12	0	0	1996 to 2026-06-30	
Hurricane	11	0	0	0	14	0	1996 to 2026-06-30	
Ice Storm	2	0	0	0	1	0	1996 to 2026-06-30	

Hazard	Storm Events records <i>full period</i>	Since plan approval <i>records</i>	During plan review <i>records</i>	Last 5 years <i>records</i>	Declared incidents <i>distinct incidents</i>	Declared since approval <i>distinct incidents</i>	Period	Statement
Inland Flooding	233	7	3	32	19	0	1996 to 2026-06-30	
Landslide	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Lightning	72	0	0	9	0	0	1996 to 2026-06-30	
Strong Wind	721	3	15	105	3	0	1955 to 2026-06-30	Includes 1 High Wind record and 4 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	253	0	2	12	8	0	1950 to 2026-06-30	
Tsunami	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
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	0	0	0	0	3	0	1996 to 2026-06-30	No Storm Events records of this type; 3 federal declared incidents (see declarations table)
Winter Weather	11	0	0	2	0	0	1996 to 2026-06-30	Includes 1 Sleet record, event types the NRI definition of this hazard leaves out.

SOURCES
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

Notable Storm Events records

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2025-03-04	High Wind	53 kt (61 mph) estimated gust	\$0 property; \$0 crops, reported for the zone (2025 dollars)	0, 0	NWS zone TXZ213 (INLAND HARRIS), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2024-05-16	Thunderstorm Wind	90 kt (104 mph) estimated gust	\$300,000 property; crops not reported (2024 dollars)	0, 0	CYPRESS	within last 5 years	B1-c worst recorded: Thunderstorm Wind
2021-02-12	Cold/Wind Chill		\$33,700,000 property; crops not reported, reported for the zone (2021 dollars)	33, 0	NWS zone TXZ213 (INLAND HARRIS), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2017-08-26	Flash Flood		\$10,000,000,000 property; \$100,000 crops (2017 dollars)	36, 0	JOYCE to MINNETEX		deaths or injuries recorded
2012-07-15	Lightning		\$0 property; \$0 crops (2012 dollars)	2, 1	LITTLE YORK		B1-c worst recorded: Lightning

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2008-09-12	Hurricane (Typhoon)	category 2	\$2,000,000,000 property; crops not reported, reported for the zone (2008 dollars)	0, 0	NWS zone TXZ213 (HARRIS), zone-level: may include parts of neighboring counties		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2008-09-12	Storm Surge/Tide		\$3,000,000,000 property; crops not reported, reported for the zone (2008 dollars)	0, 0	NWS zone TXZ213 (HARRIS), zone-level: may include parts of neighboring counties		B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2007-01-16	Ice Storm		\$5,000 property; \$0 crops, reported for the zone (2007 dollars)	0, 0	NWS zone TXZ213 (HARRIS), zone-level: may include parts of neighboring counties		B1-c worst recorded: Ice Storm
2006-05-04	Hail	3 in	\$100,000 property; crops not reported (2006 dollars)	0, 0	HOUSTON HOOKS ARPT		B1-c worst recorded: Hail
2005-09-21	Heat		damage not reported	34, 0	NWS zone TXZ213 (HARRIS), zone-level: may include parts of neighboring counties		deaths or injuries recorded
1999-08-01	Heat		damage not reported	6, 0	NWS zone TXZ213 (HARRIS), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
1992-11-21	Tornado	F4, 20 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 1,800 yd wide	\$250,000,000 property; crops not recorded (1992 dollars)	0, 15	location not recorded		B1-c worst recorded: Tornado

The full list is in the XLSX file, sheet "B1-d Storm Events history" (2,013 rows).

Storm Events records are more complete after 1996; before 1996 only Tornado (from 1950), Hail and Thunderstorm Wind (from 1955) exist. Zone-level records are placed with NWS zone-county files, which exist from 2020 on; an earlier record is placed by its zone number in the nearest later file only when its zone name matches that file, records from zones NWS renumbered are placed by name or left out, and a record whose zone is in no known file is left out of every count, so counts before 2020 can be low. Some current zones are also missing from the NWS files, so recent counts can be low too.

SOURCES

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>
 NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>
 FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

State-declared emergencies are not in federal data. Add them from your state emergency management agency.

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

Supports B1-e: probability

Probability: FEMA annualized frequency and descriptor per hazard

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		events per year					1994 to 2023 (30 years)	see B1-f	Not Applicable in NRI for this county; no descriptor.
Coastal Flooding	3.76	events per year at a location (modeled)	about 3.8 per year at a given location in the county	Highly likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	Descriptor from NRI: the rate at a location is 1 or more a year, so the county rate is at least that.
Cold Wave	0.481	event-days per year	about 0.481 days per year	Likely	event-days in 3 of 30 years, 1996 to 2025 (10%)	9.1	2005-11-12 to 2024-11-12 (19 years)	countywide	Frost/Freeze records are not counted in this descriptor: they record crop freezes, not cold waves.
Drought	15.9	event-days per year	about 15.9 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	861	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 15.9 drought event-days a year here (its annualized frequency over 25.25 years; not its event count divided by the years), but Storm Events has a record in only 5 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Earthquake	0.00053	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.053%			not shown	modeled	see B1-f	Descriptor not assigned: the NRI value is the chance at a location in the county, not how often the hazard affects the county, and Storm Events does not record earthquakes.
Hail	2.35	events per year	about 2.35 per year	Highly likely	FEMA annualized frequency (modeled)	89.6 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	14.9	event-days per year	about 14.9 days per year	Likely	event-days in 12 of 30 years, 1996 to 2025 (40%)	250	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 14.9 heat wave event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 12 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.
Hurricane	0.184	events per year	about 1 in 5 years	Likely	FEMA annualized frequency (modeled)	75	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are counted separately in B1-d and need not match.

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
Ice Storm	0.905	event-days per year	about 0.905 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	61	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	5.14	event-days per year	about 5.14 days per year	Highly likely	event-days in 29 of 30 years, 1996 to 2025 (96.7%)	144	1996 to 2023 (28 years)	see B1-f	
Landslide	0.238	events per year (modeled)	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	74.6	days per year with a strike	about 74.6 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.52	events per year	about 1.52 per year	Highly likely	FEMA annualized frequency (modeled)	58	1986 to 2023 (38 years)	countywide	
Tornado	1.61	events per year	about 1.61 per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Tsunami		annual probability at the most exposed location (used in place of a county value)			Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Volcanic Activity		annual probability				not shown	modeled	see B1-f	Not Applicable in NRI for this county; no descriptor.
Wildfire	0.00112	annual probability at a location	chance a given location in the county burns in a year: 0.112%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No Storm Events record of this hazard, 1996 to 2025; descriptor not assigned (the NRI value is the chance at a location in the county, not how often the hazard affects the county)
Winter Weather	1.12	event-days per year	about 1.12 days per year	Likely	event-days in 8 of 30 years, 1996 to 2025 (26.7%)	21.3	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI gives about 1.12 winter weather event-days a year here (its annualized frequency over 19 years; not its event count divided by the years), but Storm Events has a record in only 8 of 30 years. NRI counts from a different source that records far more events than Storm Events, so this descriptor reads much lower than NRI's frequency; read the two together.

FEMA annualized frequency (modeled) comes from the National Risk Index v1.20 (December 2025). It is not recorded events divided by years, and what it measures depends on the hazard. For most hazards it estimates how often the hazard affects this county each year: it counts events or event-days (drought, heat wave, cold wave, winter weather, ice storm and inland flooding are in days per year; lightning is the number of days per year with a recorded cloud-to-ground strike, from the NOAA Storm Prediction Center daily lightning climatology); it may count events in the surrounding area (hail, strong wind, tornado,

hurricane and ice storm use a 49 km grid and buffers) and is averaged over the county's area; and some hazards use a minimum value for places with no recorded event. Earthquake, wildfire and coastal flooding are different: FEMA computes them for each census block and averages them over the county, so the value is the chance (for coastal flooding, the modeled number of floods per year) at a location in the county, which is lower than the chance that the hazard strikes somewhere in the county. Earthquake is the chance of at least minor-damage shaking (U.S. Geological Survey model); wildfire is the chance that a location burns in a large fire (U.S. Forest Service burn probability); coastal flooding comes from FEMA flood zones and NOAA high-tide flooding, so it can be above 1 where high-tide flooding is frequent. Tsunami is the value at the county's most exposed location, from recorded events and modeled return periods. For these four hazards the packet gives no "1 in N years" and takes the descriptor from Storm Events (none for earthquake) unless the value is 1 or more a year. Landslide is a U.S. Geological Survey modeled county rate spread by slope susceptibility. Volcanic activity is the chance that a volcano affecting the county erupts in a year. Drought counts only extreme and exceptional drought (D3 and D4). Source: FEMA, National Risk Index Technical Documentation v1.20, sections 5.2.2 (Table 5), 5.2.3, 7.4, 10.4, 16.5, 17.1, 17.3.1, 17.5, 20.3.1, 21.4, 22.4 and 6 to 23.

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Descriptor scale used in this packet (defined per unit)

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

SOURCES
FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Intensity bands: historical frequency (Storm Events)

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	237	30	7.9
Hail	2.00 in+	1996 to 2025	22	30	0.733
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	339	30	11.3
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	31	30	1.03
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	147	30	4.9
Tornado	EF0-1	1996 to 2025	88	30	2.93
Tornado	EF2-3	1996 to 2025	8	30	0.267
Tornado	EF4-5	1996 to 2025	0	30	0

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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.

SOURCE
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

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.

Supports B1-f: variation across the planning area

Range of census tract risk within the county

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Avalanche	0 of 1,115				Not Applicable 1115	
Coastal Flooding	266 of 1,115	68.0	81.7	97.8	Relatively High 3, Relatively Moderate 25, Relatively Low 171, Very Low 67, No Rating 849	
Cold Wave	1,115 of 1,115	15.9	70.2	95.7	Very High 1, Relatively High 251, Relatively Moderate 817, Relatively Low 41, Very Low 5	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Drought	71 of 1,115	69.0	78.1	96.5	Relatively Moderate 4, Relatively Low 28, Very Low 39, No Rating 1044	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. Agriculture is all of NRI's expected annual loss for this hazard in the county, so the tract range above mostly reflects where crop and livestock value is, not where buildings and people are. Confirm locally.
Earthquake	1,115 of 1,115	3.1	17.8	64.4	Relatively Low 23, Very Low 1092	
Hail	1,115 of 1,115	4.7	24.5	54.3	Relatively Low 63, Very Low 1052	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Heat Wave	1,115 of 1,115	1.5	72.0	95.5	Relatively High 122, Relatively Moderate 800, Relatively Low 188, Very Low 5	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Hurricane	1,115 of 1,115	70.9	88.1	99.3	Very High 11, Relatively High 364, Relatively Moderate 722, Relatively Low 18	
Ice Storm	1,115 of 1,115	6.5	41.0	86.9	Relatively Moderate 35, Relatively Low 756, Very Low 324	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Inland Flooding	1,115 of 1,115	1.0	73.9	99.8	Very High 73, Relatively High 402, Relatively Moderate 400, Relatively Low 219, Very Low 21	
Landslide	1,035 of 1,115	8.9	60.8	94.8	Relatively Low 82, Very Low 953, No Rating 80	

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Lightning	1,115 of 1,115	0.5	39.9	85.3	Relatively High 3, Relatively Moderate 251, Relatively Low 818, Very Low 43	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Strong Wind	1,115 of 1,115	7.3	28.2	72.4	Relatively Moderate 20, Relatively Low 952, Very Low 143	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.
Tornado	1,115 of 1,115	24.4	90.6	99.9	Very High 404, Relatively High 602, Relatively Moderate 105, Relatively Low 3, Very Low 1	
Tsunami	0 of 1,115				Insufficient Data 1115	
Volcanic Activity	0 of 1,115				Not Applicable 1115	
Wildfire	858 of 1,115	18.5	33.2	89.9	Relatively Moderate 3, Relatively Low 83, Very Low 772, No Rating 257	
Winter Weather	1,115 of 1,115	12.6	20.2	36.0	Relatively Low 873, Very Low 242	National data give a county-wide or coarse (49 km grid or NWS zone) frequency for this hazard, so they cannot show members' hazard differing. The tract range above mostly reflects where buildings and people are. Confirm locally.

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.

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Per-member block (Starter, confirm locally)

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat- flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Harris County	County	Approved, expires 2031-04-15	FMA RL 2,231, SRL 1,696; any 6,051	\$501,386,557.03	0; 0	Includes \$245,882,703.53 for declarations not counted as hazard incidents (DR-4485-TX, EM-3216-TX).
Baytown city	City	Approved, expires 2030-08-27	FMA RL 38, SRL 48; any 179	\$31,004,887.10	24; 0	Whole community, including the part in Chambers County and Liberty County, plus 1 property with no county in FEMA's file; in-county portion (county table): FMA RL 36, FMA SRL 45, NFIP RL 148, NFIP SRL 22, any category 171. Includes \$3,209,876.52 for declarations not counted as hazard incidents (EM-3216-TX).
Bellaire city	City	Approved, expires 2031-04-15	FMA RL 95, SRL 31; any 235	\$6,245,499.24	27; 0	Includes \$117,531.51 for declarations not counted as hazard incidents (DR-4485-TX).
Bunker Hill Village city	Village	Approved, expires 2031-04-15	FMA RL 3, SRL 11; any 48	\$517,028.69	0; 0	

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
Deer Park city	City	Approved, expires 2031-04-15	FMA RL 56, SRL 18; any 133	\$6,216,912.22	23; 0	Includes \$40,002.49 for declarations not counted as hazard incidents (DR-4485-TX).
El Lago city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	FMA RL 4, SRL 12; any 45	\$817,196.10	0; no approved plan	
Friendswood city	City	Approved, expires 2031-04-15	FMA RL 114, SRL 179; any 394	none found	12; 0	Also approved under plan 107112 (Galveston County, expires 2027-07-10). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. Whole community, including the part in Brazoria County and Galveston County; in-county portion (county table): FMA RL 41, FMA SRL 19, NFIP RL 49, NFIP SRL 10, any category 83.
Galena Park city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	FMA RL 4, SRL 2; any 17	\$820,170.19	5; no approved plan	
Hedwig Village city	Village	Approved, expires 2031-04-15	FMA RL 1, SRL 5; any 21	\$715,021.27	0; 0	
Hilshire Village city	Village	Approved, expires 2031-04-15	FMA RL 1, SRL 0; any 2	\$12,017.16	0; 0	
Houston city	City	Approved, expires 2028-11-15	FMA RL 3,923, SRL 2,948; any 11,098	\$1,095,752,344.32	253; 3	Whole community, including the part in Comal County, Fort Bend County, Galveston County, Montgomery County, Smith County and Trinity County, plus 8 properties with no county in FEMA's file; in-county portion (county table): FMA RL 3,915, FMA SRL 2,935, NFIP RL 9,449, NFIP SRL 2,191, any category 11,053. Includes \$319,105,457.41 for declarations not counted as hazard incidents (DR-4485-TX, EM-3216-TX).
Humble city	City	Approved, expires 2031-04-15	FMA RL 19, SRL 28; any 87	\$4,095,073.56	36; 2	Includes \$250,702.13 for declarations not counted as hazard incidents (DR-4485-TX, EM-3216-TX).
Hunters Creek Village city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	FMA RL 1, SRL 6; any 29	\$1,600,215.28	0; no approved plan	
Jacinto City city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	FMA RL 3, SRL 1; any 17	\$1,831,855.11	6; no approved plan	
Jersey Village city	City	Approved, expires 2031-04-15	FMA RL 105, SRL 59; any 161	\$1,877,444.38	33; 1	
Katy city	City	Approved, expires 2031-04-15	FMA RL 27, SRL 8; any 86	\$2,721,004.42	48; 0	Whole community, including the part in Fort Bend County and Waller County; in-county portion (county table): FMA RL 24, FMA SRL 6, NFIP RL 67, NFIP SRL 6, any category 67.

Member	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance matched <i>federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since the member's plan</i>	Notes
La Porte city	City	Approved, expires 2031-04-15	FMA RL 87, SRL 84; any 345	\$10,884,942.06	24; 0	Includes \$87,488.64 for declarations not counted as hazard incidents (DR-4485-TX, EM-3216-TX).
Missouri City city	City	Approved, expires 2031-04-15	FMA RL 2, SRL 8; any 56	none found	3; 0	Also approved under plan 109424 (Fort Bend County, expires 2029-10-29). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. Whole community, including the part in Fort Bend County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 9, NFIP SRL 0, any category 9.
Morgan's Point city	City	Approved, expires 2031-04-15	FMA RL 0, SRL 0; any 1	\$743,611.65	1; 0	
Nassau Bay city	City	Approved, expires 2031-04-15	FMA RL 44, SRL 68; any 171	\$3,389,946.65	3; 0	Includes \$3,059.46 for declarations not counted as hazard incidents (EM-3216-TX).
Pasadena city	City	Approved, expires 2031-04-15	FMA RL 183, SRL 138; any 520	\$26,007,835.90	39; 0	Includes \$179,574.55 for declarations not counted as hazard incidents (DR-4485-TX, EM-3216-TX).
Pearland city	City	Approved, expires 2029-04-28	FMA RL 160, SRL 135; any 400	none found	4; 1	Whole community, including the part in Angelina County and Brazoria County; in-county portion (county table): FMA RL 8, FMA SRL 10, NFIP RL 32, NFIP SRL 4, any category 42.
Piney Point Village city	City	Approved, expires 2031-04-15	FMA RL 1, SRL 16; any 55	\$1,197,716.32	0; 0	
Seabrook city	City	Approved, expires 2031-04-15	FMA RL 19, SRL 50; any 167	\$5,824,094.91	5; 0	Whole community, including the part in Galveston County and Nueces County, plus 1 property with no county in FEMA's file; in-county portion (county table): FMA RL 19, FMA SRL 49, NFIP RL 132, NFIP SRL 18, any category 163.
South Houston city	City	Expired on 2021-07-07	FMA RL 35, SRL 20; any 94	\$948,394.04	9; 1	
Southside Place city	City	Approved, expires 2031-04-15	FMA RL 0, SRL 1; any 1	\$126,950.34	0; 0	Also approved under plan 107855 (Southside Place, expires 2027-01-18). FEMA's plan status map shows one plan per jurisdiction and may show one of these; this packet uses the approved plan that expires last. Includes \$13,276.46 for declarations not counted as hazard incidents (DR-4485-TX).
Spring Valley Village city	City	Approved, expires 2031-04-15	FMA RL 2, SRL 1; any 8	\$461,568.44	0; 0	Includes \$13,962.36 for declarations not counted as hazard incidents (DR-4485-TX).
Stafford city	City	Approved, expires 2031-04-15	FMA RL 0, SRL 0; any 12	none found	3; 0	Whole community, including the part in Fort Bend County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 3, NFIP SRL 0, any category 3.
Taylor Lake Village city	City	Approved, expires 2031-04-15	FMA RL 10, SRL 33; any 71	\$1,873,085.04	0; 0	
The Woodlands CDP	Unincorporated	Approved, expires 2029-05-01		none found	0; 0	No NFIP community ID on this member's plan row.

Member	Type	Plan status	Repetitive loss	Public Assistance matched	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>			
Tomball city	City	Approved, expires 2031-04-15	FMA RL 4, SRL 6; any 16	\$1,168,305.41	41; 0	Includes \$10,521.19 for declarations not counted as hazard incidents (EM-3216-TX).
Waller city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	FMA RL 2, SRL 1; any 9	none found	1; no approved plan	Whole community, including the part in Waller County; none of its repeat-flood properties are in this county.
Webster city	City	Approved, expires 2031-04-15	FMA RL 2, SRL 5; any 24	\$1,581,672.42	21; 0	
West University Place city	City	Plan 110989 approved 2026-04-16, pending adoption here; not yet eligible	FMA RL 9, SRL 5; any 35	\$2,195,888.49	0; no approved plan	Includes \$30,691.23 for declarations not counted as hazard incidents (DR-4485-TX).

Member 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 member row, while the county table counts only its part in this county.

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

SOURCES

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

Supports B2-a and B2-b: assets and impacts

Local data required

County-level starter. The plan must describe impacts for each participant and its own assets.

- Critical facilities and lifelines per hazard
 - A problem statement per participant 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

Hazard	Building exposure	Agriculture exposure	Population exposed	EAL buildings	EAL agriculture	EAL population equivalence	EAL as % of exposure	Storm Events damage since 2026-04-16	Zone-level damage since plan	Public Assistance since plan	Note
		<i>modeled dollars</i>			<i>modeled dollars per year</i>	<i>statistical value of life and injury, \$13.7M per life, not property damage</i>		<i>county-coded records, property plus crops, nominal dollars</i>	<i>property plus crops, reported for the zone</i>	<i>nominal dollars; see note</i>	
Avalanche											Not Applicable in NRI for this county

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>	EAL population equivalence <i>statistical value of life and injury, \$13.7M per life, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2026-04-16 <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
Coastal Flooding	\$197,921,460,022		1,129,955	\$2,156,974		\$344,607	0.00109%				
Cold Wave	\$838,837,591,781	\$65,130,587	4,726,190	\$637,335	\$24,282	\$117,466,837	under 0.0001%				
Drought		\$40,788,101			\$549,870		1.35% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$1,483,764,763,548		4,731,145	\$4,098,919		\$1,810,180	0.000276%				
Hail	\$838,838,945,279	\$65,130,587	4,726,200	\$1,540,077	\$12,625	\$43,004	0.000184%	\$0			
Heat Wave	\$838,837,591,781	\$65,130,587	4,726,190	\$2,344	\$262	\$80,361,182	under 0.0001%				
Hurricane	\$838,732,368,396	\$65,123,763	4,725,305	\$428,046,822	\$515,186	\$29,297,267	0.051%				
Ice Storm	\$838,692,640,583		4,724,954	\$3,488,827		\$638,102	0.000416%				
Inland Flooding	\$838,543,904,795	\$18,101,603	504,158	\$1,086,745,610	\$5,613	\$35,328,055	n/a (see note)	\$33,000			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. EAL as % of exposure: n/a.
Landslide	\$2,808,205,218		14,965	\$36,539		\$16	0.0013%				
Lightning	\$838,838,945,279		4,726,200	\$513,793		\$8,073,214	under 0.0001%				
Strong Wind	\$838,838,945,279	\$65,130,587	4,726,200	\$3,781,988	\$3,328	\$3,933,495	0.000451%	\$43,000			
Tornado	\$838,838,945,279	\$65,130,587	4,726,200	\$62,944,461	\$1,561	\$344,441,903	0.0075%				
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$44,824,244,705	\$19,380,128	286,997	\$457,939	\$276	\$103,946	0.00102%				
Winter Weather	\$838,837,591,781	\$65,130,587	4,726,190	\$74,271	\$11	\$221,665	under 0.0001%				

Totals since 2026-04-16 (Storm Events through 2026-06-30): 17 county-coded records, 17 with a damage value recorded (including \$0), \$76,000; 0 zone-level records, 0 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance on counted declarations none found (0 declarations, 0 with PA).

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

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 must not be added up; the unit total counts each declaration once.

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

SOURCES

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

NOAA NCEI, NOAA NCEI Storm Events Database, details files (csvfiles v1.0), version c20260918, pulled 2026-09-28, <https://www.ncei.noaa.gov/pub/data/swdi/stormevents/csvfiles/>

NOAA National Weather Service, NWS county-public forecast zones correlation file, version bp03mr20 to bp16ap26 (11 files; newest bp16ap26), pulled 2026-09-28, <https://www.weather.gov/gis/ZoneCounty>

FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)

FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Texas A&M Forest Service TxWRAP for wildfire risk; Texas State Hazard Mitigation Plan hazard list for B1-a exclusions.

Supports B2-a: context

County context

Measure	Value
Population	4,726,200
Building value (total, not at risk)	\$838,838,945,279
Agriculture value (total, not at risk)	\$65,130,587
NRI risk rating (all hazards)	Very High
Expected annual loss, buildings and agriculture, all hazards	\$1,595,638,915
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)	\$622,063,473
Social vulnerability rating	Relatively High
Community resilience rating	Very Low
NRI version	December 2025

FEMA's all-hazard expected annual loss total adds buildings, agriculture and population equivalence; the two parts are shown separately so the property figure is not read as including the statistical value of life.

SOURCE

FEMA, FEMA National Risk Index 1.20.0 (December 2025), county and census tract tables, version 1.20.0, pulled 2026-09-28, 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)

Supports B2-c: repetitive loss

Repetitive loss in this county, both definitions

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	6,975	Severe repetitive loss, FMA definition (44 CFR 77.2)	5,353
Repetitive loss, NFIP insurance definition	16,612	Severe repetitive loss, NFIP insurance definition	3,720

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties: county and state-level rows

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	6,975	5,353	16,612	3,720	19,904	1,214	9,171
PEARLAND, CITY OF	8	10	32	4	42	5	20
STAFFORD, CITY OF	0	0	3	0	3	0	0
HARRIS COUNTY*	2,231	1,696	4,978	1,136	6,051	474	2,439
BELLAIRE, CITY OF	95	31	186	23	235	4	157
BUNKER HILL VILLAGE, CITY OF	3	11	45	8	48	3	20
DEER PARK, CITY OF	56	18	96	14	133	10	58
GALENA PARK, CITY OF	4	2	14	2	17	0	3
HEDWIG VILLAGE, CITY OF	1	5	20	4	21	1	9
HILSHIRE VILLAGE, CITY OF	1	0	2	0	2	0	1
HOUSTON, CITY OF	3,915	2,935	9,449	2,191	11,053	497	5,344
HUMBLE, CITY OF	19	28	65	11	87	9	22
HUNTER'S CREEK VILLAGE, CITY OF	1	6	28	5	29	1	15
JACINTO CITY, CITY OF	3	1	14	1	17	0	4
JERSEY VILLAGE, CITY OF	105	59	126	41	161	23	127
KATY, CITY OF	24	6	67	6	67	0	51
LOMAX, CITY OF (community ID not in plan data)	0	0	3	0	3	0	0
MISSOURI CITY, CITY OF	0	0	9	0	9	0	4
MORGANS POINT, CITY OF	0	0	1	0	1	0	1
PASADENA, CITY OF	183	138	339	60	520	41	166
PINEY POINT VILLAGE, CITY OF	1	16	53	14	55	2	32
SOUTH HOUSTON,CITY OF	35	20	81	16	94	0	39
SOUTHSIDE PLACE, CITY OF	0	1	1	1	1	0	1
SPRING VALLEY VILLAGE, CITY OF	2	1	8	1	8	0	3
TOMBALL, CITY OF	4	6	16	5	16	1	8
WEST UNIVERSITY PLACE, CITY OF	9	5	28	2	35	3	27
BAYTOWN, CITY OF	36	45	148	22	171	13	67
EL LAGO, CITY OF	4	12	40	7	45	2	21
FRIENDSWOOD, CITY OF	41	19	49	10	83	2	51
LA PORTE, CITY OF	87	84	269	47	345	22	133
LEAGUE CITY, CITY OF (plan member listed on the Galveston County page)	2	7	9	5	11	2	8
NASSAU BAY, CITY OF	44	68	122	22	171	37	115
SAN MARCOS, CITY OF (plan member listed on the Hays County page)	0	0	1	0	1	0	0
SEABROOK, CITY OF	19	49	132	18	163	28	91

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>
SHOREACRES, CITY OF (plan member listed on the Chambers County page)	30	36	100	25	108	16	72
TAYLOR LAKE VILLAGE, CITY OF	10	33	52	15	71	17	50
WEBSTER, CITY OF	2	5	23	4	24	0	12
Unknown (community ID Unknown in FEMA data)	0	0	3	0	3	1	0
State level, not in this county: county not reported	3	8	12	7	13	1	9

120 of the county's repeat-flood properties belong to NFIP communities whose plan member is not listed on this page (the community rows above name the page that lists it).

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

Repeat-flood properties by plan member (NFIP community)

Member	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>	Note
Harris County	480287	2,231	1,696	4,978	1,136	6,051	474	2,439	
Baytown city	485456	38	48	156	25	179	13	71	Whole community, including the part in Chambers County and Liberty County, plus 1 property with no county in FEMA's file; in-county portion (county table): FMA RL 36, FMA SRL 45, NFIP RL 148, NFIP SRL 22, any category 171.
Bellaire city	480289	95	31	186	23	235	4	157	
Bunker Hill Village city	480290	3	11	45	8	48	3	20	
Deer Park city	480291	56	18	96	14	133	10	58	
El Lago city	485466	4	12	40	7	45	2	21	
Friendswood city	485468	114	179	221	57	394	59	177	Whole community, including the part in Brazoria County and Galveston County; in-county portion (county table): FMA RL 41, FMA SRL 19, NFIP RL 49, NFIP SRL 10, any category 83.
Galena Park city	480293	4	2	14	2	17	0	3	
Hedwig Village city	480294	1	5	20	4	21	1	9	
Hilshire Village city	480295	1	0	2	0	2	0	1	
Houston city	480296	3,923	2,948	9,489	2,199	11,098	499	5,362	Whole community, including the part in Comal County, Fort Bend County, Galveston County, Montgomery County, Smith County and Trinity County, plus 8 properties with no county in FEMA's file; in-county portion (county table): FMA RL 3,915, FMA SRL 2,935, NFIP RL 9,449, NFIP SRL 2,191, any category 11,053.
Humble city	480297	19	28	65	11	87	9	22	
Hunters Creek Village city	480298	1	6	28	5	29	1	15	
Jacinto City city	480299	3	1	14	1	17	0	4	
Jersey Village city	480300	105	59	126	41	161	23	127	

Member	NFIP community ID	RL, FMA properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties	Note
Katy city	480301	27	8	86	8	86	0	66	Whole community, including the part in Fort Bend County and Waller County; in-county portion (county table): FMA RL 24, FMA SRL 6, NFIP RL 67, NFIP SRL 6, any category 67.
La Porte city	485487	87	84	269	47	345	22	133	
Missouri City city	480304	2	8	56	8	56	0	16	Whole community, including the part in Fort Bend County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 9, NFIP SRL 0, any category 9.
Morgan's Point city	480305	0	0	1	0	1	0	1	
Nassau Bay city	485491	44	68	122	22	171	37	115	
Pasadena city	480307	183	138	339	60	520	41	166	
Pearland city	480077	160	135	296	88	400	37	210	Whole community, including the part in Angelina County and Brazoria County; in-county portion (county table): FMA RL 8, FMA SRL 10, NFIP RL 32, NFIP SRL 4, any category 42.
Piney Point Village city	480308	1	16	53	14	55	2	32	
Seabrook city	485507	19	50	136	19	167	28	91	Whole community, including the part in Galveston County and Nueces County, plus 1 property with no county in FEMA's file; in-county portion (county table): FMA RL 19, FMA SRL 49, NFIP RL 132, NFIP SRL 18, any category 163.
South Houston city	480311	35	20	81	16	94	0	39	
Southside Place city	480312	0	1	1	1	1	0	1	
Spring Valley Village city	480313	2	1	8	1	8	0	3	
Stafford city	480233	0	0	12	0	12	0	3	Whole community, including the part in Fort Bend County; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 3, NFIP SRL 0, any category 3.
Taylor Lake Village city	485513	10	33	52	15	71	17	50	
Tomball city	480315	4	6	16	5	16	1	8	
Waller city	480641	2	1	9	1	9	0	6	Whole community, including the part in Waller County; none of its repeat-flood properties are in this county.
Webster city	485516	2	5	23	4	24	0	12	
West University Place city	480318	9	5	28	2	35	3	27	

Per-member types: XLSX sheet 'B2-c Members'.

Member 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 member row, while the county table counts only its part in this county.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)

FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

County repeat-flood properties by occupancy group

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	6,784	4,867	15,013	3,302	18,230	1,162	8,531
2 to 4 unit residential	33	48	156	36	171	9	49
other residential	51	110	378	96	398	9	160
non-residential	107	328	1,064	286	1,104	34	431
not reported	0	0	1	0	1	0	0

Institutional properties cannot be separated in this data: FEMA's occupancy groups have no institutional class, so they fall in non-residential or other residential in the table by occupancy group.

SOURCES

FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/NfipMultipleLossProperties> (API)
FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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; OpenFEMA's fmaRI field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRI) is 2 or more claims over \$1,000 in 10 years and can drop to false when a property is mitigated. Also shown: NFIP severe repetitive loss, any category, mitigated and currently insured.

Your state NFIP coordinator's list may use the NFIP insurance definition, so its counts can be higher.

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

Counts may differ from your state NFIP coordinator's list, which is the source the Handbook names.

In this county 2,433 properties are FMA repetitive loss but not NFIP repetitive loss, and 12,070 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

Every table above lists its own sources. The full list, for the plan's bibliography (FEMA review item A4-a):

1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-26T121003Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)
2. FEMA, OpenFEMA DisasterDeclarationsSummaries v2, version 2026-09-27T010817Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v2/DisasterDeclarationsSummaries> (API)
3. FEMA, OpenFEMA PublicAssistanceFundedProjectsSummaries v1, version 2026-09-26T151157Z, pulled 2026-09-28, <https://www.fema.gov/api/open/v1/PublicAssistanceFundedProjectsSummaries> (API)
4. FEMA, OpenFEMA NfipMultipleLossProperties v1, version 2026-08-04T164045Z, pulled 2026-09-28, <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 2026-09-28, 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 2026-09-28, <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 2026-09-28, <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 2026-09-28, 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_Gaz_cousubs_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_Gaz_unsd_national.zip, https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip

gazetteer/2024_Gazetteer/2024_Gaz_scsd_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

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Cite this: Hazard Plain (2026). Harris County, TX: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-28; County area 48201). Preview: automated baseline. 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: to be added

Hazard Plain release 2026-10. As of 2026-09-28; Storm Events data through 2026-06-30. File hazard-plain_2026-10_TX_48201. Preview: automated baseline.