

Brazoria County, TX

Risk-assessment baseline packet

Unit **County area 48039** Release **2026-10** As of **2026-09-28** Storm Events data through **2026-06-30**

Hazard Plain is an independent product built from public federal data. It is not a FEMA document and is not reviewed or endorsed by FEMA or any state agency.

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 2029-09-08	Plan	Brazoria County (FEMA plan 109176)
Approved	2024-09-09	Expires	2029-09-08
As of	2026-09-28	Days	1,076 days to expiry

What changed since your last plan (approved 2024-09-09)

New federal declarations	none (0 declaration rows; 0 counted incidents)	Storm Events records since approval	18 (data through 2026-06-30)
Repetitive loss now	FMA RL 448, SRL 443 (44 CFR 77.2); any definition: 2,126	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: 39 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 negative = days since expiry	Update underway	Notes
Brazoria County	County	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Alvin city	City	Approved, expires 2031-05-06	Alvin (FEMA plan 111138)	2026-05-07	2031-05-06	1,681		member approved 2026-05-20
Angleton city	City	Approved, expires 2030-04-27	Angleton (FEMA plan 109830)	2025-04-28	2030-04-27	1,307		
Bailey's Prairie village	Village	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Bonney village	Village	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Brazoria city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Brookside Village city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Clute city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Danbury city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Freeport city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Hillcrest village	Village	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Holiday Lakes town	Town	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Iowa Colony village	Village	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Jones Creek village	Village	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Lake Jackson city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Liverpool city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Manvel city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Oyster Creek city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Pearland city	City	Approved, expires 2029-04-28	Pearland (FEMA plan 109554)	2024-04-29	2029-04-28	943		
Quintana town	Town	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Richwood city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Surfside Beach city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Sweeny city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
West Columbia city	City	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Alvin Independent School District	School/School District	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Brazosport Independent School District	School/School District	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Damon Independent School District	School/School District	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Danbury Independent School District	School/School District	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Sweeny Independent School District	School/School District	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Brazoria County Drainage District #4	Flood Control District	Approved, expires 2031-03-30	Brazoria County Drainage District #4 (FEMA plan 110440)	2026-03-31	2031-03-30	1,644		
Brazoria County Drainage District #5	Flood Control District	Expired on 2025-01-20	Brazoria County Drainage District #5 (FEMA plan 106025)	2020-01-21	2025-01-20	-616		
Brazoria County Municipal Utility District #2	Water/Sewer Authority	No approved plan on record	none	none	none			FEMA tracker shows a plan in review
Brazoria County Municipal Utility District #3	Water/Sewer Authority	No approved plan on record	none	none	none			FEMA tracker shows a plan in review
Brazoria County Municipal Utility District #6	Water/Sewer Authority	No approved plan on record	none	none	none			FEMA tracker shows a plan in review
Brazosport College	College/University	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Drainage District 11	Flood Control District	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Gulf Coast Water Authority	Water/Sewer Authority	Approved, expires 2028-03-26	Gulf Coast Water Authority (FEMA plan 107113)	2023-03-27	2028-03-26	545		
Port Freeport	Highway/Port/Rail	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		
Velasco Drainage District	Flood Control District	Approved, expires 2029-09-08	Brazoria County (FEMA plan 109176)	2024-09-09	2029-09-08	1,076		

SOURCEFEMA, 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)
- flash flood as its own subtype
- levee failure
- 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	Relatively High	Relatively High	\$69,062,443	\$4,997	\$9,142,929	\$78,210,369	65		
2	Hurricane	Relatively High	Relatively High	\$39,904,632	\$956,220	\$2,770,767	\$43,631,619	15		
3	Tornado	Relatively High	Relatively High	\$3,373,321	\$2,001	\$17,494,370	\$20,869,692	45		
4	Cold Wave	Relatively Moderate	Relatively High	\$38,057	\$34,376	\$4,981,984	\$5,054,417	1		
5	Heat Wave	Relatively Moderate	Relatively Moderate	\$640	\$409	\$4,950,577	\$4,951,627	13		
6	Lightning	Relatively High	Relatively High	\$70,858		\$2,211,475	\$2,282,333	19		
7	Coastal Flooding	Relatively Moderate	Relatively Moderate	\$1,798,248		\$191,537	\$1,989,786	13		
8	Drought	Relatively Moderate	Relatively Moderate		\$1,365,492		\$1,365,492	17		
9	Wildfire	Relatively Low	Relatively Low	\$697,428	\$1,269	\$187,927	\$886,624	0		Declared 2 times; no Storm Events record of this type. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
10	Strong Wind	Relatively Moderate	Relatively Moderate	\$259,190	\$12,407	\$550,900	\$822,497	157		Includes 2 Strong Wind records, event types the NRI definition of this hazard leaves out.
11	Ice Storm	Relatively High	Relatively High	\$16,187		\$675,099	\$691,287	2		
12	Hail	Relatively Low	Relatively Low	\$59,573	\$18,638	\$354,193	\$432,403	90		
13	Earthquake	Very Low	Very Low	\$187,039		\$67,299	\$254,337			Not in Storm Events. Storm Events coverage of this hazard is limited; absence is not evidence of low risk.
14	Winter Weather	Very Low	Relatively Low	\$11,618	\$19	\$11,248	\$22,885	4		
15	Landslide	Very Low	Very Low	\$986		\$3	\$988	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.

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
	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 77
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.	44 of 77
Cold Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	77 of 77
Drought	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	46 of 77
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.	77 of 77
Hail	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	77 of 77
Heat Wave	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	77 of 77
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.	77 of 77
Ice Storm	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	77 of 77
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.	77 of 77
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.	70 of 77
Lightning	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	77 of 77

Hazard	Location	Census tracts rated <i>rated of all tracts</i>
Strong Wind	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	77 of 77
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.	77 of 77
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 77
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 77
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.	75 of 77
Winter Weather	Affects the whole planning area; national data do not distinguish locations within the county. Confirm locally.	77 of 77

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.
Coastal Flood, Storm Surge/ Tide	none in data (FIRM for depth)	13, 1996 to 2024 (13 zone-level)		Storm Surge/Tide, 2008-09-12, \$1,000,000,000 property; crops not reported, reported for the zone (2008 dollars); NWS zone TXZ237 (BRAZORIA), 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	1, 2021 to 2021 (1 zone-level)	2 days; 1 with a recorded value	2 consecutive days, 2021-02-15 to 2021-02-16, 1 direct death, zone-level	Cold/Wind Chill, 2021-02-15, \$880,000 property; \$0 crops, reported for the zone (2021 dollars)	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.

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Drought	US Drought Monitor D-scale	17, 1996 to 2023 (17 zone-level)	61 days to 149 days (median 91 days); 5 with a recorded value	149 days (about 4.9 months), 2022-04-05 to 2022-08-31, a run of 6 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)	134, 1960 to 2026	0.75 in to 2.75 in (median 1 in); 133 with a recorded value	2.75 in hail, 2012-04-04	Hail, 2007-03-12, \$200,000 property; \$0 crops (2007 dollars)	Event records naming member places: Pearland city (15 records), Alvin city (14 records), Iowa Colony village (11 records), Angleton city (10 records), Manvel city (9 records), Brazoria city (6 records), Freeport city (5 records), Sweeny city (3 records), West Columbia city (3 records), Danbury city (2 records); and 4 more member places (see the XLSX file).	
Excessive Heat, Heat	heat index (narratives)	13, 1999 to 2023 (13 zone-level)	1 day to 31 days (median 5 days); 12 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), 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.
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	15, 1998 to 2024 (15 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 2008-09-13, category 1, \$700,000,000 property; crops not reported, reported for the zone (2008 dollars); NWS zone TXZ237 (BRAZORIA), zone-level: may include parts of neighboring counties		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 2011 (2 zone-level)		No damage reported in 2 records.		Zone-level records: applies countywide; national data do not locate these events within the county.	Ice thickness: 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
Flash Flood, Flood, Lakeshore Flood	damage and flood days (FIRM for depth)	65, 1997 to 2026 (2 zone-level)		Flash Flood, 2017-08-26, \$2,000,000,000 property; \$100,000 crops (2017 dollars)		Event records naming member places: Pearland city (9 records), Angleton city (5 records), Freeport city (5 records), Brazoria city (4 records), Sweeny city (4 records), Alvin city (3 records), Iowa Colony village (3 records), Manvel city (3 records), Lake Jackson city (2 records), West Columbia city (2 records); and 3 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)	19, 1997 to 2019		Lightning, 2007-10-07, \$0 property; \$0 crops (2007 dollars), 1 direct death	Lightning, 2007-06-15, \$210,000 property; \$0 crops (2007 dollars)	Event records naming member places: Pearland city (4 records), Iowa Colony village (3 records), Danbury city (2 records), Freeport city (2 records), Lake Jackson city (2 records), Manvel city (2 records), Angleton city (1 record), Liverpool city (1 record), Quintana town (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only; local data required.
High Wind and Strong Wind (outside NRI Strong Wind definition)	wind speed (kt and mph)	2, 1997 to 2017 (2 zone-level)	38 kt (44 mph); 1 with a recorded value	38 kt (44 mph) measured gust, Strong Wind, 2017-01-22; NWS zone TXZ237 (BRAZORIA), zone-level: may include parts of neighboring counties	Strong Wind, 1997-02-20, \$2,000 property; crops not reported, reported for the zone (1997 dollars)	Zone-level records: applies countywide; national data do not locate these events within the county.	
Thunderstorm Wind	wind speed (kt and mph)	200, 1965 to 2026	50 kt (58 mph) to 75 kt (86 mph) (median 53 kt (61 mph)); 126 with a recorded value	75 kt (86 mph), measurement type not recorded, Thunderstorm Wind, 1991-01-14	Thunderstorm Wind, 2000-05-02, \$1,000,000 property; crops not reported (2000 dollars)	Event records naming member places: Pearland city (18 records), Alvin city (16 records), Angleton city (13 records), Brazoria city (10 records), Freeport city (9 records), Lake Jackson city (9 records), Manvel city (8 records), Danbury city (7 records), Iowa Colony village (7 records), West Columbia city (6 records); and 8 more member places (see the XLSX file).	

Hazard	Scale	Records <i>count, years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to members	Note
Tornado	Enhanced Fujita (F before Feb 2007)	96, 1950 to 2024	F/EF0 to F/EF3 (median F/EF0); 93 with a recorded value	F3 tornado, 1976-03-08, 13.4 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 200 yd wide, \$2,500,000 property; crops not recorded (1976 dollars), 18 direct injuries		Event records naming member places: Manvel city (5 records), Brazoria city (4 records), Pearland city (4 records), Angleton city (3 records), Danbury city (3 records), Liverpool city (3 records), Oyster Creek city (3 records), Iowa Colony village (2 records), Lake Jackson city (2 records), Alvin city (1 record); 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)	4, 2009 to 2025 (4 zone- level)		No damage reported in 4 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

34

Counted incidents

27

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	\$32,512,022.72	during plan review, check whether your last plan included it; within last 5 years	
2021-02-19	2021-02-11	DR-4586-TX	Major disaster	SEVERE WINTER STORMS	Ice Storm	\$940,296.19		
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	\$127,347.79		
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	\$1,856,111.12		
2020-03-13	2020-01-20	EM-3458-TX	Emergency	COVID-19	Non-natural, not counted	none found		same incident as DR-4485
2017-08-25	2017-08-23	DR-4332-TX	Major disaster	HURRICANE HARVEY	Hurricane	\$27,422,202.77		
2016-06-11	2016-05-22	DR-4272-TX	Major disaster	SEVERE STORMS AND FLOODING	Inland Flooding	\$1,582,396.43		
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		
2015-05-29	2015-05-04	DR-4223-TX	Major disaster	SEVERE STORMS, TORNADOES, STRAIGHT-LINE WINDS AND FLOODING	Inland Flooding; Strong Wind; Tornado	\$261,460.96		
2008-09-13	2008-09-07	DR-1791-TX	Major disaster	HURRICANE IKE	Hurricane (primary); also designated: Inland Flooding	\$37,792,462.94		
2008-09-10	2008-09-07	EM-3294-TX	Emergency	HURRICANE IKE	Hurricane	none found		same incident as DR-1791
2008-08-29	2008-08-27	EM-3290-TX	Emergency	HURRICANE GUSTAV	Hurricane	none found		
2007-08-18	2007-08-17	EM-3277-TX	Emergency	HURRICANE DEAN	Hurricane	none found		
2006-01-11	2005-11-27	DR-1624-TX	Major disaster	EXTREME WILDFIRE THREAT	Wildfire	none found		
2005-09-24	2005-09-23	DR-1606-TX	Major disaster	HURRICANE RITA	Hurricane	\$1,996,209.68		
2005-09-21	2005-09-20	EM-3261-TX	Emergency	HURRICANE RITA	Hurricane	\$505,746.34		same incident as DR-1606

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2005-09-02	2005-08-29	EM-3216-TX	Emergency	HURRICANE KATRINA EVACUATION	Hurricane: evacuation support, not a local hazard event; not counted	\$18,050.50		
2003-07-17	2003-07-15	DR-1479-TX	Major disaster	HURRICANE CLAUDETTE	Hurricane	\$1,763,072.27		
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		
2002-09-26	2002-09-06	DR-1434-TX	Major disaster	TROPICAL STORM FAY	Hurricane	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	\$423,112.80		
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	PA not declared for this county		
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	PA not declared for this county		
1991-12-26	1991-12-20	DR-930-TX	Major disaster	SEVERE THUNDERSTORMS	Inland Flooding	none found		
1991-04-12	1991-04-05	DR-900-TX	Major disaster	SEVERE STORMS, TORNADOES & FLOODING	Inland Flooding; Tornado	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		
1979-07-28	1979-07-28	DR-595-TX	Major disaster	STORMS & FLASH FLOODS	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: \$6,877,022.11 (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 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	13	0	1	1	0	0	1996 to 2026-06-30	
Cold Wave	1	0	0	0	0	0	1996 to 2026-06-30	
Drought	17	0	1	8	0	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
Earthquake	0	0	0	0	0	0		No Storm Events record; local data required (e.g., USGS).
Hail	134	7	3	11	0	0	1955 to 2026-06-30	
Heat Wave	13	0	0	6	0	0	1996 to 2026-06-30	
Hurricane	15	0	1	1	13	0	1996 to 2026-06-30	
Ice Storm	2	0	0	0	1	0	1996 to 2026-06-30	
Inland Flooding	65	2	0	2	13	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	19	0	0	0	0	0	1996 to 2026-06-30	
Strong Wind	202	7	14	25	2	0	1955 to 2026-06-30	Includes 2 Strong Wind records, event types the NRI definition of this hazard leaves out.
Tornado	96	1	1	4	5	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	2	0	1996 to 2026-06-30	No Storm Events records of this type; 2 federal declared incidents (see declarations table)
Winter Weather	4	1	0	1	0	0	1996 to 2026-06-30	

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
2024-12-28	Tornado	EF2, 8.9 mi within this county, 300 yd wide	\$0 property; \$0 crops (2024 dollars)	1, 5	LIVERPOOL	new since last plan; within last 5 years	deaths or injuries recorded

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Direct deaths, injuries <i>indirect not counted</i>	Location	Flags	Why listed
2022-04-05	Drought		\$0 property; \$0 crops, reported for the zone (2022 dollars)	0, 0	NWS zone TXZ437 (BRAZORIA ISLANDS), zone-level: may include parts of neighboring counties	within last 5 years	B1-c worst recorded: Drought
2021-02-15	Cold/Wind Chill		\$880,000 property; \$0 crops, reported for the zone (2021 dollars)	1, 0	NWS zone TXZ237 (INLAND BRAZORIA), zone-level: may include parts of neighboring counties		deaths or injuries recorded
2017-08-26	Flash Flood		\$2,000,000,000 property; \$100,000 crops (2017 dollars)	0, 0	PEARLAND to DAMON		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2017-01-22	Strong Wind	38 kt (44 mph) measured gust	\$1,500 property; \$0 crops, reported for the zone (2017 dollars)	0, 0	NWS zone TXZ237 (BRAZORIA), zone-level: may include parts of neighboring counties		B1-c worst recorded: High Wind and Strong Wind (outside NRI Strong Wind definition)
2012-04-04	Hail	2.75 in	\$5,000 property; \$0 crops (2012 dollars)	0, 0	ALVIN ARPK		B1-c worst recorded: Hail
2008-09-12	Hurricane (Typhoon)	category 1	\$700,000,000 property; crops not reported, reported for the zone (2008 dollars)	0, 0	NWS zone TXZ237 (BRAZORIA), zone-level: may include parts of neighboring counties		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2008-09-12	Storm Surge/Tide		\$1,000,000,000 property; crops not reported, reported for the zone (2008 dollars)	0, 0	NWS zone TXZ237 (BRAZORIA), zone-level: may include parts of neighboring counties		B1-c worst recorded: Coastal Flood, Storm Surge/Tide
2007-10-07	Lightning		\$0 property; \$0 crops (2007 dollars)	1, 0	DANBURY		deaths or injuries recorded
1999-08-01	Heat		\$0 property; crops not reported, reported for the zone (1999 dollars)	0, 0	NWS zone TXZ237 (BRAZORIA), zone-level: may include parts of neighboring counties		B1-c worst recorded: Excessive Heat, Heat
1991-01-14	Thunderstorm Wind	75 kt (86 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind
1976-03-08	Tornado	F3, 13.4 mi path length (records before 1996 may include the whole path; rating and listing come from the county where the tornado began), 200 yd wide	\$2,500,000 property; crops not recorded (1976 dollars)	0, 18	location not recorded		B1-c worst recorded: Tornado

The full list is in the **XLSX** file, sheet "B1-d Storm Events history" (581 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	3.74	events per year at a location (modeled)	about 3.7 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	0.438	event-days per year	about 0.438 days per year	Possible	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	7.79	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	28.5	event-days per year	about 28.5 days per year	Likely	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	1,134	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	NRI gives about 28.5 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	0.000474	annual probability at a location	chance a given location in the county has at least minor- damage shaking in a year: 0.0474%			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	1.59	events per year	about 1.59 per year	Highly likely	FEMA annualized frequency (modeled)	61.5 (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 5 of 30 years, 1996 to 2025 (16.7%)	245	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 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.
Hurricane	0.218	events per year	about 1 in 5 years	Likely	FEMA annualized frequency (modeled)	87	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	0.691	event-days per year	about 0.691 days per year	Possible	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	43	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	1.86	event-days per year	about 1.86 days per year	Likely	event-days in 16 of 30 years, 1996 to 2025 (53.3%)	52	1996 to 2023 (28 years)	see B1-f	
Landslide	0.134	events per year (modeled)	about 1 in 7 years	Likely	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	70	days per year with a strike	about 70 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.03	events per year	about 1.03 per year	Highly likely	FEMA annualized frequency (modeled)	36	1986 to 2023 (38 years)	countywide	
Tornado	1.11	events per year	about 1.11 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	0.00415	annual probability at a location	chance a given location in the county burns in a year: 0.415%		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	0.893	event-days per year	about 0.893 days per year	Likely	event-days in 4 of 30 years, 1996 to 2025 (13.3%)	16.8	2005-11-12 to 2024-11-12 (19 years)	countywide	

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	37	30	1.23
Hail	2.00 in+	1996 to 2025	5	30	0.167
Strong Wind (Thunderstorm Wind records)	50-64 kt	1996 to 2025	100	30	3.33
Strong Wind (Thunderstorm Wind records)	65 kt+	1996 to 2025	3	30	0.1
Strong Wind (Thunderstorm Wind records)	unmeasured or below 50 kt	1996 to 2025	46	30	1.53
Tornado	EF0-1	1996 to 2025	42	30	1.4
Tornado	EF2-3	1996 to 2025	3	30	0.1
Tornado	EF4-5	1996 to 2025	0	30	0
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 77				Not Applicable 77	
Coastal Flooding	44 of 77	71.7	83.9	99.7	Very High 1, Relatively High 1, Relatively Moderate 8, Relatively Low 30, Very Low 4, No Rating 33	
Cold Wave	77 of 77	29.6	52.8	76.3	Relatively Moderate 54, Relatively Low 23	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	46 of 77	68.0	82.9	98.4	Relatively High 1, Relatively Moderate 9, Relatively Low 16, Very Low 20, No Rating 31	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	77 of 77	5.9	12.5	24.3	Very Low 77	
Hail	77 of 77	25.3	43.4	62.4	Relatively Low 65, Very Low 12	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	77 of 77	25.1	62.4	86.5	Relatively High 1, Relatively Moderate 52, Relatively Low 24	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	77 of 77	80.8	90.2	96.2	Relatively High 41, Relatively Moderate 36	
Ice Storm	77 of 77	27.6	62.2	86.3	Relatively Moderate 18, Relatively Low 58, Very Low 1	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	77 of 77	6.0	70.7	96.6	Very High 1, Relatively High 24, Relatively Moderate 37, Relatively Low 14, Very Low 1	
Landslide	70 of 77	10.7	53.8	84.0	Relatively Low 3, Very Low 67, No Rating 7	
Lightning	77 of 77	41.6	76.4	96.1	Very High 1, Relatively High 32, Relatively Moderate 42, Relatively Low 2	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	77 of 77	16.6	34.7	62.4	Relatively Moderate 2, Relatively Low 73, Very Low 2	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.

Hazard	Tracts <i>rated of all</i>	Risk score min <i>NRI score, 0 to 100</i>	Median	Max	Tracts by rating	Note
Tornado	77 of 77	52.8	78.8	97.7	Very High 2, Relatively High 51, Relatively Moderate 23, Relatively Low 1	
Tsunami	0 of 77				Insufficient Data 77	
Volcanic Activity	0 of 77				Not Applicable 77	
Wildfire	75 of 77	24.9	70.0	96.9	Relatively High 1, Relatively Moderate 10, Relatively Low 28, Very Low 36, No Rating 2	
Winter Weather	77 of 77	16.0	19.7	26.7	Relatively Low 61, Very Low 16	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
Brazoria County	County	Approved, expires 2029-09-08	FMA RL 192, SRL 178; any 1,024	\$29,204,368.22	0; 0	Includes \$1,027,154.73 for declarations not counted as hazard incidents (DR-4485-TX).
Alvin city	City	Approved, expires 2031-05-06	FMA RL 25, SRL 30; any 133	\$6,707,790.13	34; 1	
Angleton city	City	Approved, expires 2030-04-27	FMA RL 2, SRL 16; any 98	\$4,339,373.91	32; 0	Includes \$18,604.97 for declarations not counted as hazard incidents (DR-4485-TX).
Bailey's Prairie village	Village	Approved, expires 2029-09-08	FMA RL 13, SRL 6; any 33	\$12,887.10	0; 0	
Bonney village	Village	Approved, expires 2029-09-08	FMA RL 0, SRL 0; any 0	\$7,132.85	3; 0	
Brazoria city	City	Approved, expires 2029-09-08	FMA RL 6, SRL 5; any 26	\$1,075,848.71	24; 0	
Brookside Village city	City	Approved, expires 2029-09-08	FMA RL 21, SRL 12; any 57	\$1,189,552.21	0; 0	
Clute city	City	Approved, expires 2029-09-08	FMA RL 2, SRL 2; any 24	\$2,755,195.70	7; 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
Danbury city	City	Approved, expires 2029-09-08	FMA RL 0, SRL 1; any 9	\$496,320.36	15; 1	
Freeport city	City	Approved, expires 2029-09-08	FMA RL 2, SRL 4; any 45	\$2,256,374.91	21; 0	
Hillcrest village	Village	Approved, expires 2029-09-08	FMA RL 0, SRL 0; any 7	none found	0; 0	
Holiday Lakes town	Town	Approved, expires 2029-09-08	FMA RL 4, SRL 3; any 18	\$938,880.11	0; 0	
Iowa Colony village	Village	Approved, expires 2029-09-08	FMA RL 4, SRL 2; any 7	\$263,929.21	26; 3	
Jones Creek village	Village	Approved, expires 2029-09-08	FMA RL 1, SRL 1; any 19	\$1,757,077.04	3; 0	
Lake Jackson city	City	Approved, expires 2029-09-08	FMA RL 1, SRL 3; any 19	\$9,515,399.32	17; 1	Includes \$1,421.31 for declarations not counted as hazard incidents (EM-3216-TX).
Liverpool city	City	Approved, expires 2029-09-08	FMA RL 2, SRL 1; any 7	\$195,188.17	5; 2	
Manvel city	City	Approved, expires 2029-09-08	FMA RL 4, SRL 13; any 33	\$1,561,755.03	27; 0	
Oyster Creek city	City	Approved, expires 2029-09-08	FMA RL 0, SRL 0; any 4	\$419,193.87	6; 0	
Pearland city	City	Approved, expires 2029-04-28	FMA RL 160, SRL 135; any 400	\$18,348,282.86	50; 3	Whole community, including the part in Angelina County and Harris County; in-county portion (county table): FMA RL 152, FMA SRL 125, NFIP RL 263, NFIP SRL 84, any category 357. Includes \$440,821.89 for declarations not counted as hazard incidents (DR-4485-TX, EM-3216-TX).
Quintana town	Town	Approved, expires 2029-09-08	FMA RL 0, SRL 0; any 1	\$277,990.69	3; 1	
Richwood city	City	Approved, expires 2029-09-08	FMA RL 1, SRL 4; any 12	\$1,564,027.62	1; 0	Includes \$115,698.68 for declarations not counted as hazard incidents (DR-4485-TX).
Surfside Beach city	City	Approved, expires 2029-09-08	FMA RL 11, SRL 27; any 152	\$5,487,250.70	0; 0	
Sweeny city	City	Approved, expires 2029-09-08	FMA RL 4, SRL 5; any 10	\$770,675.16	11; 0	
West Columbia city	City	Approved, expires 2029-09-08	FMA RL 1, SRL 4; any 25	\$1,443,075.27	12; 2	Includes \$1,201.80 for declarations not counted as hazard incidents (EM-3216-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 <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 2024-09-09 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Avalanche											Not Applicable in NRI for this county
Coastal Flooding	\$22,187,943,781		127,797	\$1,798,248		\$191,537	0.0081%				
Cold Wave	\$64,563,706,129	\$102,413,713	371,473	\$38,057	\$34,376	\$4,981,984	under 0.0001%				
Drought		\$46,472,826			\$1,365,492		2.94% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$110,630,406,515		372,031	\$187,039		\$67,299	0.000169%				
Hail	\$64,563,736,724	\$102,413,713	371,474	\$59,573	\$18,638	\$354,193	under 0.0001%	\$0			
Heat Wave	\$64,563,706,129	\$102,413,713	371,473	\$640	\$409	\$4,950,577	under 0.0001%				
Hurricane	\$64,562,321,891	\$102,147,836	371,465	\$39,904,632	\$956,220	\$2,770,767	0.0618%				
Ice Storm	\$64,472,410,572		371,278	\$16,187		\$675,099	under 0.0001%				
Inland Flooding	\$64,502,944,013	\$43,086,764	73,934	\$69,062,443	\$4,997	\$9,142,929	n/a (see note)	\$21,000			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	\$145,013,383		811	\$986		\$3	0.00068%				
Lightning	\$64,563,736,724		371,474	\$70,858		\$2,211,475	0.00011%				
Strong Wind	\$64,563,736,724	\$102,413,713	371,474	\$259,190	\$12,407	\$550,900	0.000401%	\$12,000			

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 2024-09-09 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Tornado	\$64,563,736,724	\$102,413,713	371,474	\$3,373,321	\$2,001	\$17,494,370	0.00522%	\$0			
Tsunami											NRI publishes no building exposure for this county
Volcanic Activity											Not Applicable in NRI for this county
Wildfire	\$4,204,412,610	\$41,039,419	46,328	\$697,428	\$1,269	\$187,927	0.0166%				
Winter Weather	\$64,563,706,129	\$102,413,713	371,473	\$11,618	\$19	\$11,248	under 0.0001%		\$0		

Totals since 2024-09-09 (Storm Events through 2026-06-30): 17 county-coded records, 17 with a damage value recorded (including \$0), \$33,000; 1 zone-level records, 1 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	371,474
Building value (total, not at risk)	\$64,563,736,724
Agriculture value (total, not at risk)	\$102,413,713
NRI risk rating (all hazards)	Relatively Moderate
Expected annual loss, buildings and agriculture, all hazards	\$117,876,050
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)	\$43,590,308
Social vulnerability rating	Relatively Low
Community resilience rating	Very High

Measure	Value
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)	448	Severe repetitive loss, FMA definition (44 CFR 77.2)	443
Repetitive loss, NFIP insurance definition	1,963	Severe repetitive loss, NFIP insurance definition	355

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	448	443	1,963	355	2,126	59	762
ANGLETON, CITY OF	2	16	98	16	98	0	24
BAILEY'S PRAIRIE, VILLAGE OF	13	6	33	5	33	0	20
BRAZORIA, CITY OF	6	5	26	4	26	0	6
BROOKSIDE VILLAGE, CITY OF	21	12	48	9	57	2	29
CLUTE, CITY OF	2	2	24	2	24	0	2
DANBURY, CITY OF	0	1	9	1	9	0	4
SANDY POINT, CITY OF (community ID not in plan data)	0	1	1	1	1	0	1
JONES CREEK, VILLAGE OF	1	1	19	1	19	0	4
LIVERPOOL, CITY OF	2	1	7	1	7	0	2
MANVEL, CITY OF	4	13	33	13	33	0	5
PEARLAND, CITY OF	152	125	263	84	357	32	190
QUINTANA, CITY OF (community ID not in plan data)	0	0	2	0	2	0	0
WEST COLUMBIA, CITY OF	1	4	24	4	25	0	6
IOWA COLONY, CITY OF	4	2	6	2	7	0	4
OYSTER CREEK, CITY OF	0	0	4	0	4	0	0
SURFSIDE BEACH, CITY OF	11	27	146	22	152	3	57

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>
QUINTANA, TOWN OF	0	0	1	0	1	0	0
ALVIN, CITY OF	25	30	131	28	133	2	32
BRAZORIA COUNTY *	192	178	977	146	1,024	17	354
FREEPORT, CITY OF	2	4	43	2	45	1	6
FRIENDSWOOD, CITY OF (plan member listed on the Galveston County and Harris County page)	0	0	3	0	3	0	0
HILLCREST VILLAGE, CITY OF	0	0	7	0	7	0	3
LAKE JACKSON, CITY OF	1	3	19	3	19	2	2
RICHWOOD, CITY OF	1	4	12	4	12	0	3
SWEENEY, CITY OF	4	5	9	5	10	0	5
HOLIDAY LAKES, TOWN OF	4	3	18	2	18	0	3
State level, not in this county: county not reported	3	8	12	7	13	1	9

3 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
Brazoria County	485458	192	178	977	146	1,024	17	354	
Alvin city	485451	25	30	131	28	133	2	32	
Angleton city	480064	2	16	98	16	98	0	24	
Bailey's Prairie village	480065	13	6	33	5	33	0	20	
Bonney village	481300	0	0	0	0	0	0	0	
Brazoria city	480066	6	5	26	4	26	0	6	
Brookside Village city	480067	21	12	48	9	57	2	29	
Clute city	480068	2	2	24	2	24	0	2	
Danbury city	480069	0	1	9	1	9	0	4	
Freeport city	485467	2	4	43	2	45	1	6	
Hillcrest village	485478	0	0	7	0	7	0	3	
Holiday Lakes town	485517	4	3	18	2	18	0	3	
Iowa Colony village	481071	4	2	6	2	7	0	4	

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
Jones Creek village	480072	1	1	19	1	19	0	4	
Lake Jackson city	485484	1	3	19	3	19	2	2	
Liverpool city	480075	2	1	7	1	7	0	2	
Manvel city	480076	4	13	33	13	33	0	5	
Oyster Creek city	481255	0	0	4	0	4	0	0	
Pearland city	480077	160	135	296	88	400	37	210	Whole community, including the part in Angelina County and Harris County; in-county portion (county table): FMA RL 152, FMA SRL 125, NFIP RL 263, NFIP SRL 84, any category 357.
Quintana town	481301	0	0	1	0	1	0	0	
Richwood city	485502	1	4	12	4	12	0	3	
Surfside Beach city	481266	11	27	146	22	152	3	57	
Sweeny city	485512	4	5	9	5	10	0	5	
West Columbia city	480081	1	4	24	4	25	0	6	

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 properties	SRL, FMA properties	RL, NFIP properties	SRL, NFIP properties	Any category properties	Mitigated properties	Currently insured properties
single-family residential	442	424	1,836	337	1,999	59	740
2 to 4 unit residential	0	1	12	1	12	0	4
other residential	1	3	24	3	24	0	1
non-residential	5	15	89	14	89	0	17
not reported	0	0	2	0	2	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 fmaRL field description omits the Increased Cost of Compliance clause of 44 CFR 77.2(i). NFIP repetitive loss (FEMA insurance definition, nfipRL) 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 119 properties are FMA repetitive loss but not NFIP repetitive loss, and 1,634 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_Gazetteer/2024_Gaz_cousubs_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_cousubs_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_place_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_place_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_unsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_unsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_elsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gaz_elsd_national.zip), [https://www2.census.gov/geo/docs/maps-data/data/gazetteer/2024_Gazetteer/2024_Gaz_scsd_national.zip](https://www2.census.gov/geo/docs/maps-data/data/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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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_48039. Preview: automated baseline.