

Galveston County, TX

Risk-assessment baseline packet

County FIPS: 48167 Release: 2026-10 Data as of: 2026-09-30 Storm Events data through: 2026-06-30

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Summary

Plan status as of 2026-09-30: Approved, expires 2027-07-10. Plan: Galveston County (FEMA plan 107112), approved 2022-07-11.
Since the plan was approved on 2022-07-11: 1 new hazard declaration (1 incident): DR-4798-TX (Hurricane Beryl).
NOAA Storm Events records since that date: 65 records (data through 2026-06-30).
Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$62,969,859 a year), Cold Wave (\$53,003,158) and Hurricane (\$42,008,508).
Repetitive-loss flood properties now: FMA RL 456, SRL 849 (44 CFR 77.2); any definition: 3,278.
The tables that follow are organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B (B1-a to B2-c); each heading says which item its tables support.

TERMS USED

EAL: expected annual loss: FEMA's modeled average yearly loss from a hazard.
NRI: FEMA's National Risk Index (version 1.20, December 2025).
NFIP: National Flood Insurance Program.
RL, SRL: repetitive loss and severe repetitive loss: flood-insured properties with repeated claims (definitions in B2-c).
FMA, HMGP: Flood Mitigation Assistance and Hazard Mitigation Grant Program, FEMA mitigation grants.
PA: FEMA Public Assistance: disaster aid to governments and some nonprofits.
Zone-level: NOAA logged the event for a National Weather Service forecast zone, which may include parts of neighboring counties.
County-coded: NOAA logged the event to this county.
FIPS: the federal code for a place; 48167 is this area.
D0 to D4: U.S. Drought Monitor categories, from abnormally dry (D0) to exceptional drought (D4).
F/EF, EFU: Fujita and Enhanced Fujita tornado ratings; EFU is an unrated tornado.
kt, CONUS: knots (1 kt is about 1.15 mph); the contiguous United States.
CFR: Code of Federal Regulations.
A4-a, E1-a: other items of FEMA's Local Mitigation Plan Review Tool (sources, and changes since the last plan).
Dollars: nominal (as reported, labeled with the year), not adjusted for inflation.

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Plan clock

Status:	Approved, expires 2027-07-10	Plan:	Galveston County (FEMA plan 107112)
Approved:	2022-07-11	Days to expiry:	283
Update underway:	none recorded in FEMA's plan tracker		

What changed since your last plan (approved 2022-07-11)

New federal declarations:	1 new hazard declaration (1 incident): DR-4798-TX (Hurricane Beryl)	Storm Events records since approval:	65 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 456, SRL 849 (44 CFR 77.2); any definition: 3,278	Repeat-flood change:	this release sets the baseline count.

Sources: 1, 2, 4, 6 (numbered list at the end)

Plan status for every jurisdiction listed in this county: 21 rows, in the section "Plan clock: Plan status for every jurisdiction listed in this county" on the following pages.

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

Plan clock

Plan status for every jurisdiction listed in this county

Source: 1

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Galveston County	County	Approved, expires 2027-07-10	Galveston County (FEMA plan 107112)	2022-07-11	2027-07-10	283		
Bayou Vista city	Village	Approved, expires 2027-07-10	Galveston County (FEMA plan 107112)	2022-07-11	2027-07-10	283		
Clear Lake Shores city	City	Approved, expires 2027-07-10	Galveston County (FEMA plan 107112)	2022-07-11	2027-07-10	283		
Dickinson city	City	Approved, expires 2027-07-10	Galveston County (FEMA plan 107112)	2022-07-11	2027-07-10	283		
Friendswood city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,658		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. this jurisdiction approved 2026-08-05
Galveston city	City	Approved, expires 2027-08-02	Galveston (FEMA plan 108379)	2022-08-03	2027-08-02	306		
Hitchcock city	City	Approved, expires 2027-07-10	Galveston County (FEMA plan 107112)	2022-07-11	2027-07-10	283		
Jamaica Beach city	City	Approved, expires 2027-07-10	Galveston County (FEMA plan 107112)	2022-07-11	2027-07-10	283		
Kemah city	City	No approved plan on record	none	none	none		FEMA tracker shows a plan in review	
La Marque city	City	Approved, expires 2027-07-10	Galveston County (FEMA plan 107112)	2022-07-11	2027-07-10	283		
League City city	City	Approved, expires 2027-07-10	Galveston County (FEMA plan 107112)	2022-07-11	2027-07-10	283		
Santa Fe city	City	Approved, expires 2027-07-10	Galveston County (FEMA plan 107112)	2022-07-11	2027-07-10	283		
Seabrook city	City	Approved, expires 2031-04-15	Harris County (FEMA plan 110989)	2026-04-16	2031-04-15	1,658		
Texas City city	City	Approved, expires 2030-12-02	Texas City (FEMA plan 111020)	2025-12-03	2030-12-02	1,524		
Tiki Island village	Village	Approved, expires 2027-07-10	Galveston County (FEMA plan 107112)	2022-07-11	2027-07-10	283		
Dickinson Water Control and Improvement District	Water/Sewer Authority	Approved, expires 2031-07-12	Dickinson Water Control and Improvement District (FEMA plan 111116)	2026-07-13	2031-07-12	1,746		
Galveston County Consolidated Drainage District	Flood Control District	Approved, expires 2031-01-22	Galveston County Consolidated Drainage District (FEMA plan 111039)	2026-01-23	2031-01-22	1,575		
Galveston County Drainage District No. 1	Water/Sewer Authority	Approved, expires 2031-08-25	Galveston County Drainage District No. 1 (FEMA plan 111642)	2026-08-26	2031-08-25	1,790		

Jurisdiction	Type	Status	Plan	Approved	Expires	Days to expiry <i>negative = days since expiry</i>	Update underway	Notes
Port of Galveston	Highway/Port/ Rail	Approved, expires 2030-06-08	Port of Galveston (FEMA plan 110350)	2025-06-09	2030-06-08	1,347		
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.
UTMB Health	Hospital/ Medical Facility	Approved, expires 2031-04-07	University of Texas Medical Branch (UTMB) (FEMA plan 111296)	2026-04-08	2031-04-07	1,650		

Supports FEMA checklist item B1-a: hazard identification

Hazards NRI does not cover (local data needed)

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

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

Sources: 5, 6

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
1	Inland Flooding	Relatively High	Relatively High	\$60,415,212	\$806	\$2,553,840	\$62,969,859	108	
2	Cold Wave	Very High	Very High	\$518,964	\$3,740	\$52,480,455	\$53,003,158	1	
3	Hurricane	Relatively High	Relatively High	\$39,288,578	\$112,772	\$2,607,159	\$42,008,508	17	
4	Tornado	Relatively High	Relatively High	\$2,501,014	\$269	\$16,856,954	\$19,358,238	46	
5	Coastal Flooding	Relatively High	Relatively High	\$4,806,560	n/a	\$610,286	\$5,416,846	22	
6	Heat Wave	Relatively Moderate	Relatively Moderate	\$670	\$48	\$4,966,026	\$4,966,744	14	
7	Drought	Relatively High	Relatively High	n/a	\$3,998,672	n/a	\$3,998,672	16	

Rank by EAL	Hazard	NRI risk rating	EAL rating	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL total (see note) <i>modeled dollars per year</i>	Storm Events records, 1996 to 2026-06-30 <i>count</i>	Storm Events coverage note
8	Lightning	Very High	Very High	\$238,141	n/a	\$2,593,214	\$2,831,355	25	
9	Ice Storm	Relatively High	Relatively High	\$301,106	n/a	\$776,418	\$1,077,524	2	
10	Wildfire	Relatively Low	Relatively Low	\$651,838	\$207	\$82,415	\$734,460	0	Declared 3 times; no Storm Events record of this type.
11	Strong Wind	Relatively Moderate	Relatively Moderate	\$190,129	\$341	\$436,940	\$627,410	158	Includes 3 High Wind and 1 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
12	Hail	Relatively Low	Relatively Low	\$211,909	\$1,634	\$345,156	\$558,699	81	
13	Earthquake	Very Low	Relatively Low	\$286,024	n/a	\$127,263	\$413,288		Storm Events does not record earthquakes.
14	Winter Weather	Very Low	Relatively Low	\$3,219	\$1	\$10,786	\$14,006	3	
15	Landslide	Very Low	Very Low	\$121	n/a	under \$1	\$121	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
	Tsunami	Insufficient Data	Insufficient Data	n/a	n/a	n/a	n/a	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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

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

Local data needed: state and local wildfire, landslide and tsunami records (Storm Events records these hazards only in part).

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

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

Supports FEMA checklist item B1-b: hazard location

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

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

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

Source: 5

Hazard	Highest-rated census tracts <i>NRI risk rating, score 0 to 100</i>
Earthquake	tract 7201 (Very Low, 32.8); tract 7209 (Very Low, 29.3); tract 7203.01 (Very Low, 29.0)
Hurricane	tract 7240 (Relatively High, 96.6); tract 7239 (Relatively High, 95.4); tract 7262 (Relatively High, 94.6)
Landslide	tract 7204 (Very Low, 62.7); tract 7215.02 (Very Low, 60.9); tract 7215.01 (Very Low, 60.1)
Tornado	tract 7221 (Very High, 93.6); tract 7219.02 (Relatively High, 93.2); tract 7201 (Relatively High, 92.4)
Tsunami	no tract has a National Risk Index rating for this hazard
Wildfire	tract 7239 (Relatively High, 97.7); tract 7236 (Relatively Moderate, 92.7); tract 7219.02 (Relatively Moderate, 92.0)

Up to 3 census tracts per hazard, highest National Risk Index rating first, then highest score; a tract number is the Census tract number (for example 7201 is Census Tract 7201). FEMA's Resilience Analysis and Planning Tool maps the National Risk Index for every tract: <https://www.fema.gov/emergency-managers/practitioners/resilience-analysis-and-planning-tool>

Supports FEMA checklist item B1-c: hazard extent

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

Sources: 6, 7

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Coastal Flood, Storm Surge/Tide	none in data (flood depth: FIRM)	22 records, 1996 to 2025 (22 zone-level)		Storm Surge/Tide, 2008-09-12, \$4,000,000,000 property; crops not reported (2008 dollars), 12 direct deaths (reported for the zone); NWS zone TXZ238		Countywide (zone-level records).	Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	1 record, 2021 (1 zone-level)	2 days; 1 with a recorded value	2 consecutive days, 2021-02-15 to 2021-02-16, 4 direct deaths, zone-level	Cold/Wind Chill, 2021-02-15, \$10,000,000 property; \$0 crops, reported for the zone (2021 dollars)	Countywide (zone-level records).	Wind chill: in event narratives only (local data needed).
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	0					Temperature: in event narratives only (local data needed).
Drought	U.S. Drought Monitor scale (D0 to D4)	16 records, 1996 to 2023 (16 zone-level)	61 days to 141 days (median 91 days); 5 with a recorded value	141 days (about 4.6 months), 2022-04-05 to 2022-08-23, a run of 5 consecutive Storm Events drought records, zone-level	Drought, 2000-09-01, property not reported; \$102,300,000 crops, reported for the zone (2000 dollars) (as recorded; larger than this county's annual agriculture value in the National Risk Index (the county or state extension service keeps crop loss records))	Countywide (zone-level records).	Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	121 records, 1957 to 2024	0.7 in to 4.5 in (median 1 in); 121 with a recorded value	4.5 in hail, 2013-04-02		Event records naming jurisdictions in the plan: Dickinson city (15 records), League City city (11 records), Friendswood city (7 records), Jamaica Beach city (7 records), Santa Fe city (7 records), Texas City city (7 records), Galveston city (6 records), Hitchcock city (4 records), Kemah city (2 records), Bayou Vista city (1 record); and 1 more jurisdiction (see the Excel file).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Excessive Heat, Heat	heat index (in event narratives)	14 records, 1999 to 2023 (14 zone-level)	1 day to 31 days (median 5 days); 13 with a recorded value	August 1999 (1 monthly summary record), zone-level		Countywide (zone-level records).	Heat index: in event narratives only (local data needed).
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	17 records, 1998 to 2026 (17 zone-level)		Strongest recorded: Hurricane (Typhoon) record (NOAA's event type name), 2008-09-12 to 2008-09-14, category 2, \$1,000,000,000 property; crops not reported (2008 dollars); NWS zone TXZ238		Countywide (zone-level records).	Storm Events files every zone of a storm's episode under the storm's type; flooding from the storm is filed as Flood or Flash Flood records.
Ice Storm	Sperry-Piltz ice scale (local data)	2 records, 1997 to 2011 (2 zone-level)		No damage reported in 2 records.		Countywide (zone-level records).	Ice thickness: in event narratives only (local data needed).
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	108 records, 1996 to 2025		Flash Flood, 2017-08-26, \$10,000,000,000 property; \$10,000 crops (2017 dollars), 3 direct deaths		Event records naming jurisdictions in the plan: Galveston city (17 records), League City city (16 records), Friendswood city (6 records), Texas City city (6 records), Dickinson city (5 records), Jamaica Beach city (2 records), La Marque city (2 records), Clear Lake Shores city (1 record), Hitchcock city (1 record), Santa Fe city (1 record).	Flood depth: see the FEMA Flood Insurance Rate Map. Storm Events damage is often \$0 or blank for floods, major ones included; FEMA Public Assistance by declaration (B1-d) shows which floods cost the most.
Debris Flow	none (count and damage only)	0					Physical measure: in event narratives only (local data needed).
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	25 records, 1996 to 2025		Lightning, 2006-08-23, \$70,000 property; crops not reported (2006 dollars), 1 direct death	Lightning, 1996-06-04, \$2,000,000 property; crops not reported (1996 dollars)	Event records naming jurisdictions in the plan: Galveston city (5 records), League City city (3 records), Dickinson city (2 records), Texas City city (2 records), Jamaica Beach city (1 record), Kemah city (1 record).	Storm Events lists lightning with damage or casualties; physical measure in event narratives only (local data needed).
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	4 records, 2006 to 2022 (4 zone-level)	41 kt (47 mph) to 60 kt (69 mph) (median 52.5 kt (60 mph)); 4 with a recorded value	60 kt (69 mph) measured gust, High Wind, 2010-04-24; NWS zone TXZ238		Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	232 records, 1964 to 2026	50 kt (58 mph) to 90 kt (104 mph) (median 53 kt (61 mph)); 149 with a recorded value	90 kt (104 mph), measurement type not recorded, Thunderstorm Wind, 1995-08-21	Thunderstorm Wind, 1993-05-02, \$50,000,000 property; crops not recorded (1993 dollars)	Event records naming jurisdictions in the plan: Galveston city (29 records), Dickinson city (23 records), League City city (20 records), Texas City city (11 records), Santa Fe city (7 records), Jamaica Beach city (6 records), Friendswood city (3 records), Clear Lake Shores city (2 records), Kemah city (2 records), La Marque city (2 records); and 2 more jurisdictions (see the Excel file).	

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Tornado	Enhanced Fujita (Fujita before Feb 2007)	125 records, 1957 to 2024	F/EF0 to F/EF4 (median F/EF0); 123 with a recorded value	F4 tornado, 1961-09-12, 1 mi path length (whole path, pre-1996), 100 yd wide, damage not recorded (pre-1996 record), 8 direct deaths, 200 direct injuries	Tornado, 1981-08-31, \$25,000,000 property; crops not recorded (1981 dollars)	Event records naming jurisdictions in the plan: Galveston city (6 records), Dickinson city (4 records), Friendswood city (4 records), Texas City city (4 records), League City city (3 records), Santa Fe city (3 records), Hitchcock city (1 record), Jamaica Beach city (1 record), Kemah city (1 record), La Marque city (1 record).	Before 1996 a tornado is listed once, under the county where it began, with its whole path's rating and length; from 1996 on, each county lists its own segment. Length is not used to rank tornadoes (see Methods).
Tsunami	none (count and damage only)	0					Physical measure: in event narratives only (local data needed).
Wildfire	acres burned (local data)	0					Acres burned: in event narratives only (local data needed).
Winter Storm, Heavy Snow, Blizzard, Lake-Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	3 records, 2004 to 2025 (3 zone-level)		No damage reported in 3 records.		Countywide (zone-level records).	Snow depth: in event narratives only (local data needed).

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

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

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

A monthly summary record covers most or all of a month; it does not count days at wave conditions.

Supports FEMA checklist item B1-d: previous occurrences

Federal declarations for this county: 31 declarations covering 23 separate hazard incidents counted in this packet (declarations for the same incident count once; non-natural and evacuation-only declarations are not counted).

Federal disaster declarations for this county

Sources: 1, 2, 3

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2024-07-09	2024-07-05	DR-4798-TX	Major disaster	Hurricane Beryl	Hurricane	\$20,879,299.53	new since last plan; within last 5 years	
2021-02-19	2021-02-11	DR-4586-TX	Major disaster	Severe Winter Storms	Ice Storm	\$3,222,998.51		
2021-02-14	2021-02-11	EM-3554-TX	Emergency	Severe Winter Storm	Ice Storm	no Public Assistance recorded		same incident as DR-4586
2020-12-09	2020-08-23	DR-4572-TX	Major disaster	Hurricane Laura	Hurricane	\$2,590,872.83		
2020-08-24	2020-08-23	EM-3540-TX	Emergency	Tropical Storms Marco and Laura	Hurricane	\$659,334.56		same incident as DR-4572
2020-07-26	2020-07-25	EM-3530-TX	Emergency	Hurricane Hanna	Hurricane	no Public Assistance recorded		
2020-03-25	2020-01-20	DR-4485-TX	Major disaster	COVID-19 Pandemic	Non-natural, not counted	\$5,339,328.58		
2020-03-13	2020-01-20	EM-3458-TX	Emergency	COVID-19	Non-natural, not counted	no Public Assistance recorded		same incident as DR-4485
2017-08-25	2017-08-23	DR-4332-TX	Major disaster	Hurricane Harvey	Hurricane	\$135,947,557.41		
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		
2008-09-13	2008-09-07	DR-1791-TX	Major disaster	Hurricane Ike	Hurricane (primary); also designated: Inland Flooding	\$408,638,498.68		
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	\$4,988.26		
2008-03-14	2008-03-14	EM-3284-TX	Emergency	Wildfires	Wildfire	no Public Assistance recorded		
2007-08-18	2007-08-17	EM-3277-TX	Emergency	Hurricane Dean	Hurricane	no Public Assistance recorded		
2006-01-11	2005-11-27	DR-1624-TX	Major disaster	Extreme Wildfire Threat	Wildfire	no Public Assistance recorded		
2005-09-24	2005-09-23	DR-1606-TX	Major disaster	Hurricane Rita	Hurricane	\$6,653,416.17		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance	Flags	Notes
						<i>federal share obligated, nominal dollars</i>		
2005-09-21	2005-09-20	EM-3261-TX	Emergency	Hurricane Rita	Hurricane	\$712,590.44		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	\$17,845.18		
2003-07-17	2003-07-15	DR-1479-TX	Major disaster	Hurricane Claudette	Hurricane	\$3,207,224.12		
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	\$1,054,378.63		
1999-09-01	1999-08-01	EM-3142-TX	Emergency	Extreme Fire Hazards	Wildfire	no Public Assistance recorded		
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	no Public Assistance recorded		
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		
1983-08-19	1983-08-18	DR-689-TX	Major disaster	Hurricane Alicia	Hurricane	no Public Assistance recorded		
1979-09-25	1979-09-25	DR-603-TX	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		
1979-07-28	1979-07-28	DR-595-TX	Major disaster	Storms & Flash Floods	Inland Flooding	no Public Assistance recorded		
1973-07-11	1973-07-11	DR-398-TX	Major disaster	Severe Storms & Flooding	Inland Flooding	no Public Assistance recorded		

School districts and special districts in this county: \$681,143.37 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

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

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
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, so they are listed on every county page in the state and not counted with county rows. Local data needed: whether each one affected this county.

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.

Public Assistance filed under this county for declarations that do not list it: 3 rows, \$92,725.69

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4272-TX	2016-06-11	Severe Storms and Flooding	SAN FELIPE	\$65,502.59
DR-4269-TX	2016-04-25	Severe Storms and Flooding	SAN FELIPE	\$19,053.17
DR-4223-TX	2015-05-29	Severe Storms, Tornadoes, Straight-Line Winds and Flooding	SAN FELIPE	\$8,169.93

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.

Public Assistance not placed in any Texas county: 1 row, \$902,084.65; listed on the Texas state page.

Source: 3

Previous occurrences by hazard, with explicit no-event rows

Sources: 2, 6, 7

Hazard	Storm Events records, all years on file <i>(years in the Period column)</i>	Since plan approval <i>records</i>	In the 12 months before plan approval <i>records</i>	Last 5 years <i>records</i>	Declared incidents, all years <i>separate disasters</i>	Declared since approval <i>separate disasters</i>	Period	Statement
Coastal Flooding	22	3	1	3	0	0	1996 to 2026-06-30	
Cold Wave	1	0	0	0	0	0	1996 to 2026-06-30	
Drought	16	3	4	7	0	0	1996 to 2026-06-30	
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	121	10	0	10	0	0	1955 to 2026-06-30	
Heat Wave	14	6	0	6	0	0	1996 to 2026-06-30	
Hurricane	17	1	1	1	13	1	1996 to 2026-06-30	
Ice Storm	2	0	0	0	1	0	1996 to 2026-06-30	
Inland Flooding	108	9	0	9	8	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	25	4	2	5	0	0	1996 to 2026-06-30	
Strong Wind	236	27	3	30	1	0	1955 to 2026-06-30	Includes 3 High Wind and 1 Strong Wind records.
Tornado	125	1	2	2	2	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
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	3	1	0	1	0	0	1996 to 2026-06-30	

Notable Storm Events records

Sources: 1, 6, 7

Date	Event type	Magnitude or extent	Damage <i>nominal dollars</i>	Deaths, injuries <i>direct only</i>	Location	Flags	Why listed
2022-04-05	Drought		\$0 property; \$0 crops, reported for the zone (2022 dollars)	0, 0	NWS zone TXZ338 (COASTAL GALVESTON), zone-level	in the 12 months before plan approval; within last 5 years	B1-c worst recorded: Drought
2021-02-15	Cold/Wind Chill		\$10,000,000 property; \$0 crops, reported for the zone (2021 dollars)	4, 0	NWS zone TXZ438 (GALVESTON ISLAND AND BOLIVAR PENINSULA), zone-level		deaths or injuries recorded
2017-08-26	Flash Flood		\$10,000,000,000 property; \$10,000 crops (2017 dollars)	3, 0	SAN LEON to TEXAS CITY		B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2013-04-02	Hail	4.5 in	\$1,100,000 property; crops not reported (2013 dollars)	0, 0	HITCHCOCK		B1-c worst recorded: Hail
2010-04-24	High Wind	60 kt (69 mph) measured gust	\$20,000 property; \$0 crops, reported for the zone (2010 dollars)	0, 0	NWS zone TXZ238 (GALVESTON), zone-level		B1-c worst recorded: High Wind and Strong Wind
2008-09-12	Storm Surge/Tide		\$4,000,000,000 property; crops not reported, reported for the zone (2008 dollars)	12, 0	NWS zone TXZ238 (GALVESTON), zone-level		deaths or injuries recorded
2008-09-12	Hurricane (Typhoon), NOAA's event type name	category 2	\$1,000,000,000 property; crops not reported, reported for the zone (2008 dollars)	0, 0	NWS zone TXZ238 (GALVESTON), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
2006-08-23	Lightning		\$70,000 property; crops not reported (2006 dollars)	1, 0	GALVESTON		B1-c worst recorded: Lightning
1999-08-01	Heat		damage not reported	0, 0	NWS zone TXZ238 (GALVESTON), zone-level		B1-c worst recorded: Excessive Heat, Heat
1995-08-21	Thunderstorm Wind	90 kt (104 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	High Island		B1-c worst recorded: Thunderstorm Wind
1981-08-31	Tornado	F1, 12.9 mi path length (whole path, pre-1996), 83 yd wide	\$25,000,000 property; crops not recorded (1981 dollars)	0, 2	location not recorded		B1-c most damaging: Tornado
1961-09-12	Tornado	F4, 1 mi path length (whole path, pre-1996), 100 yd wide	damage not recorded (pre-1996 record)	8, 200	location not recorded		deaths or injuries recorded

The full list is in the Excel file, sheet "B1-d Storm Events history" (690 rows).

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

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

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

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

Probability: FEMA annualized frequency and descriptor per hazard

Sources: 5, 6

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area- weighted, so can be fractional)	NRI period	Location	Note
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	0.425	event-days per year	about 0.425 days per year	Possible (from Storm Events: 1 of 30 years)	event-days in 1 of 30 years, 1996 to 2025 (3.33%)	5.44	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	20.9	event-days per year	about 20.9 days per year	Likely (from Storm Events: 5 of 30 years)	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	889	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	
Earthquake	0.000535	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0535%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	1.74	events per year	about 1.74 per year	Highly likely	FEMA annualized frequency (modeled)	76.4 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	15.3	event-days per year	about 15.3 days per year	Likely (from Storm Events: 5 of 30 years)	event-days in 5 of 30 years, 1996 to 2025 (16.7%)	202	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.223	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	86	1851 to 2024 (Atlantic)	see B1-f	NRI counts hurricane and tropical storm tracks passing within storm-force wind range; federal declarations are in B1-d.
Ice Storm	0.767	event-days per year	about 0.767 days per year	Possible (from Storm Events: 2 of 30 years)	event-days in 2 of 30 years, 1996 to 2025 (6.67%)	28	1946-12-31 to 2014-02-12 (67 years)	countywide	
Inland Flooding	2.93	event-days per year	about 2.93 days per year	Highly likely (from Storm Events: 28 of 30 years)	event-days in 28 of 30 years, 1996 to 2025 (93.3%)	82	1996 to 2023 (28 years)	see B1-f	
Landslide	0.0345	events per year (modeled)	about 1 in 29 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	

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
Lightning	69.9	days per year with a strike	about 69.9 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	
Strong Wind	1.09	events per year	about 1.09 per year	Highly likely	FEMA annualized frequency (modeled)	23	1986 to 2023 (38 years)	countywide	
Tornado	0.619	events per year	about 0.62 per year	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 descriptor: no Storm Events record 1996 to 2025
Wildfire	0.00437	annual probability at a location	chance a given location in the county burns in a year: 0.437%		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Winter Weather	0.821	event-days per year	about 0.821 days per year	Likely (from Storm Events: 3 of 30 years)	event-days in 3 of 30 years, 1996 to 2025 (10%)	14.8	2005-11-12 to 2024-11-12 (19 years)	countywide	

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

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

Descriptor scale used in this packet (defined per unit)

Sources: 5, 6

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

Intensity bands: historical frequency (Storm Events)

Source: 6

Hazard	Band	Years	Events <i>county-coded records</i>	Years in period	Events per year <i>events / years</i>
Hail	1.00-1.99 in	1996 to 2025	35	30	1.17
Hail	2.00 in+	1996 to 2025	7	30	0.233
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	100	30	3.33
Thunderstorm Wind (counted as NRI Strong Wind)	65 kt+	1996 to 2025	8	30	0.267
Thunderstorm Wind (counted as NRI Strong Wind)	unmeasured or below 50 kt	1996 to 2025	43	30	1.43
Tornado	EF0-1	1996 to 2025	45	30	1.5
Tornado	EF2-3	1996 to 2025	1	30	0.0333
Tornado	EF4-5	1996 to 2025	0	30	0
Tornado	unrated (EFU)	1996 to 2025	0	30	0

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

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

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

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

Range of census tract risk within the county

Source: 5

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Coastal Flooding	98 of 101	70.6	85.5	99.6	Very High 2, Relatively High 8, Relatively Moderate 23, Relatively Low 52, Very Low 13, No Rating 3
Cold Wave	101 of 101	67.8	93.8	99.5	Very High 38, Relatively High 62, Relatively Moderate 1
Drought	41 of 101	68.0	82.9	99.6	Relatively High 4, Relatively Moderate 7, Relatively Low 15, Very Low 15, No Rating 60
Earthquake	101 of 101	2.4	11.9	32.8	Very Low 101
Hail	101 of 101	23.5	41.0	61.0	Relatively Low 76, Very Low 25
Heat Wave	101 of 101	11.9	50.2	84.4	Relatively Moderate 38, Relatively Low 62, Very Low 1
Hurricane	101 of 101	77.2	86.3	96.6	Relatively High 30, Relatively Moderate 70, Relatively Low 1
Ice Storm	101 of 101	30.4	64.9	87.7	Relatively Moderate 34, Relatively Low 66, Very Low 1
Inland Flooding	101 of 101	1.4	34.2	98.2	Very High 1, Relatively High 9, Relatively Moderate 23, Relatively Low 51, Very Low 17
Landslide	70 of 101	10.3	35.3	62.7	Very Low 70, No Rating 31
Lightning	101 of 101	27.7	70.7	96.0	Very High 1, Relatively High 32, Relatively Moderate 62, Relatively Low 6
Strong Wind	101 of 101	11.0	22.1	46.1	Relatively Low 70, Very Low 31
Tornado	101 of 101	39.7	67.9	93.6	Very High 1, Relatively High 30, Relatively Moderate 65, Relatively Low 5
Tsunami	0 of 101				Insufficient Data 101
Wildfire	80 of 101	19.2	66.6	97.7	Relatively High 1, Relatively Moderate 5, Relatively Low 32, Very Low 42, No Rating 21
Winter Weather	101 of 101	13.8	16.5	21.1	Relatively Low 15, Very Low 86

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

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

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

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

Each jurisdiction (starting figures from federal data)

Sources: 1, 3, 4, 6

Jurisdiction	Type	Plan status	Repetitive loss <i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	Public Assistance to this jurisdiction <i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	Event records naming this place <i>all years; since its plan</i>	Notes
Galveston County	County	Approved, expires 2027-07-10	FMA RL 112, SRL 190; any 762	\$161,128,460.78	0 total; 0 since its plan	Includes \$4,292,213.98 for declarations not counted as hazard incidents (DR-4485-TX, EM-3216-TX).
Bayou Vista city	Village	Approved, expires 2027-07-10	FMA RL 4, SRL 24; any 36	\$2,344,655.57	2 total; 0 since its plan	
Clear Lake Shores city	City	Approved, expires 2027-07-10	FMA RL 24, SRL 43; any 145	\$1,396,016.58	3 total; 0 since its plan	
Dickinson city	City	Approved, expires 2027-07-10	FMA RL 57, SRL 100; any 337	\$11,582,550.58	49 total; 14 since its plan	
Friendswood city	City	Approved, expires 2031-04-15	FMA RL 114, SRL 179; any 394	\$21,688,576.43	20 total; 0 since its plan	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 Harris County; in-county portion (county table): FMA RL 73, FMA SRL 160, NFIP RL 169, NFIP SRL 47, any category 308.
Galveston city	City	Approved, expires 2027-08-02	FMA RL 48, SRL 127; any 655	\$129,271,836.15	63 total; 4 since its plan	Includes \$8,472.71 for declarations not counted as hazard incidents (EM-3216-TX).
Hitchcock city	City	Approved, expires 2027-07-10	FMA RL 15, SRL 18; any 107	\$2,988,322.91	7 total; 0 since its plan	
Jamaica Beach city	City	Approved, expires 2027-07-10	FMA RL 8, SRL 7; any 49	\$3,694,469.60	17 total; 0 since its plan	
Kemah city	City	No approved plan on record	FMA RL 9, SRL 35; any 79	\$2,964,113.66	6 total; no approved plan	Includes \$35,451.20 for declarations not counted as hazard incidents (DR-4485-TX).
La Marque city	City	Approved, expires 2027-07-10	FMA RL 16, SRL 14; any 104	\$5,603,516.50	6 total; 0 since its plan	Includes \$161,098.35 for declarations not counted as hazard incidents (DR-4485-TX).
League City city	City	Approved, expires 2027-07-10	FMA RL 66, SRL 69; any 341	\$17,084,711.91	53 total; 7 since its plan	Whole community, including the part in Harris County; in-county portion (county table): FMA RL 64, FMA SRL 62, NFIP RL 297, NFIP SRL 37, any category 330. Includes \$143,150.62 for declarations not counted as hazard incidents (DR-4485-TX).
Santa Fe city	City	Approved, expires 2027-07-10	FMA RL 9, SRL 9; any 45	\$3,040,211.20	18 total; 0 since its plan	
Seabrook city	City	Approved, expires 2031-04-15	FMA RL 19, SRL 50; any 167	no Public Assistance recorded	0 total; 0 since its plan	Whole community, including the part in Harris County and Nueces County, plus 1 property with no county in FEMA's file; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 2, NFIP SRL 0, any category 2.

Jurisdiction	Type	Plan status	Repetitive loss	Public Assistance to this jurisdiction	Event records naming this place	Notes
			<i>FMA RL and SRL (44 CFR 77.2); repeat-flood, any definition</i>	<i>FEMA records matched by applicant name; federal share obligated, nominal dollars</i>	<i>all years; since its plan</i>	
Texas City city	City	Approved, expires 2030-12-02	FMA RL 17, SRL 60; any 311	\$10,096,993.78	30 total; 1 since its plan	
Tiki Island village	Village	Approved, expires 2027-07-10	FMA RL 0, SRL 0; any 2	\$2,186,494.48	0 total; 0 since its plan	

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

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

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

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

Local data needed

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

- Critical facilities and lifelines per hazard
- A problem statement per jurisdiction per hazard
- Changes in development in hazard-prone areas since the last approval, or a statement of none (E1-a)
- Future assets
- Texas A&M Forest Service TxWRAP for wildfire risk; Texas State Hazard Mitigation Plan hazard list for B1-a exclusions.

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

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

Hazard	Building exposure	Agriculture exposure	Population exposed	EAL buildings	EAL agriculture	Cost of expected deaths and injuries	EAL as % of exposure	Storm Events damage since 2022-07-11	Zone-level damage since plan	Public Assistance since plan	Note
	<i>modeled dollars</i>	<i>modeled dollars</i>	<i>people</i>	<i>modeled dollars per year</i>	<i>modeled dollars per year</i>	<i>FEMA's dollar value per year, not property damage</i>	<i>buildings; agriculture where noted</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>	
Coastal Flooding	\$41,589,821,335	n/a	225,215	\$4,806,560	n/a	\$610,286	0.0116%		\$0		
Cold Wave	\$63,701,785,609	\$11,890,861	350,477	\$518,964	\$3,740	\$52,480,455	0.000815%				
Drought	n/a	\$5,202,419	n/a	n/a	\$3,998,672	n/a	76.9% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$107,610,879,802	n/a	350,682	\$286,024	n/a	\$127,263	0.000266%				

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2022-07-11 <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
Hail	\$63,701,786,464	\$11,890,861	350,477	\$211,909	\$1,634	\$345,156	0.000333%	\$0			
Heat Wave	\$63,701,785,609	\$11,890,861	350,477	\$670	\$48	\$4,966,026	under 0.0001%		\$0		
Hurricane	\$63,700,899,709	\$11,873,540	350,469	\$39,288,578	\$112,772	\$2,607,159	0.0617%		\$0	\$20,879,299.53	
Ice Storm	\$63,054,012,826	n/a	348,617	\$301,106	n/a	\$776,418	0.000478%				
Inland Flooding	\$63,445,935,018	\$3,175,582	103,735	\$60,415,212	\$806	\$2,553,840	n/a (see note)	\$5,000			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.
Landslide	\$112,591,930	n/a	558	\$121	n/a	under \$1	0.000107%				
Lightning	\$63,701,786,464	n/a	350,477	\$238,141	n/a	\$2,593,214	0.000374%	\$320,000			
Strong Wind	\$63,701,786,464	\$11,890,861	350,477	\$190,129	\$341	\$436,940	0.000298%	\$141,000			
Tornado	\$63,701,786,464	\$11,890,861	350,477	\$2,501,014	\$269	\$16,856,954	0.00393%	\$0			
Tsunami	n/a	n/a	n/a	n/a	n/a	n/a					NRI publishes no building exposure for this county
Wildfire	\$2,952,200,327	\$5,812,335	25,872	\$651,838	\$207	\$82,415	0.0221%				
Winter Weather	\$63,701,785,609	\$11,890,861	350,477	\$3,219	\$1	\$10,786	under 0.0001%		\$0		

Totals since 2022-07-11 (Storm Events through 2026-06-30): 51 county-coded records, 50 with a damage value recorded (including \$0), \$466,000; 14 zone-level records, 7 with a damage value recorded (including \$0), \$0 reported for the zone; Public Assistance: \$20,879,299.53 on 1 counted declaration.

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

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

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

County context

Source: 5

Measure	Value
Population	350,477
Building value (total, not at risk)	\$63,701,786,464
Agriculture value (total, not at risk)	\$11,890,861
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$113,531,974
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)	\$84,446,914
Social vulnerability rating	Relatively Low
Community resilience rating	Very High
NRI version	December 2025

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

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

Supports FEMA checklist item B2-c: repetitive loss properties

Repetitive loss in this county, both definitions

Sources: 1, 4

Definition	Properties	Severe repetitive loss	Properties
Repetitive loss, FMA definition (44 CFR 77.2)	456	Severe repetitive loss, FMA definition (44 CFR 77.2)	849
Repetitive loss, NFIP insurance definition	2,855	Severe repetitive loss, NFIP insurance definition	496

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

Repeat-flood properties: county and state-level rows

Sources: 1, 4

Scope	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
County total	456	849	2,855	496	3,278	226	1,315
of which: Crystal Beach town (community ID not in plan data)	0	0	4	0	4	0	0
of which: Houston city (plan jurisdiction listed on the Fort Bend County and Harris County and Montgomery County page)	0	0	1	0	1	0	0

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>
of which: Jamaica Beach city	8	7	44	5	49	2	15
of which: Santa Fe city	9	9	39	7	45	2	19
of which: Dickinson city	57	100	307	64	337	18	235
of which: Tiki Island village	0	0	2	0	2	0	1
of which: Bayou Vista city	4	24	16	7	36	0	32
of which: Abilene city (plan jurisdiction listed on the Jones County and Taylor County page)	0	0	1	0	1	0	0
of which: Clear Lake Shores city	24	43	124	24	145	19	68
of which: Friendswood city	73	160	169	47	308	57	126
of which: Galveston city	48	127	613	93	655	22	297
of which: Galveston County (unincorporated area)	112	190	680	124	762	64	191
of which: Hitchcock city	15	18	100	11	107	5	51
of which: Kemah city	9	35	56	14	79	17	17
of which: La Marque city	16	14	99	10	104	2	23
of which: League City city	64	62	297	37	330	12	186
of which: Seabrook city	0	0	2	0	2	0	0
of which: Texas City city	17	60	301	53	311	6	54
Statewide, no county in FEMA's file	3	8	12	7	13	1	9

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

The statewide row counts properties FEMA's file gives with no county in this state; they are listed for reference and are not in this county's counts.

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

Sources: 1, 4

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Galveston County	485470	112	190	680	124	762	64	191	
Bayou Vista city	481589	4	24	16	7	36	0	32	
Clear Lake Shores city	485461	24	43	124	24	145	19	68	
Dickinson city	481569	57	100	307	64	337	18	235	
Friendswood city	485468	114	179	221	57	394	59	177	Whole community, including the part in Brazoria County and Harris County; in-county portion (county table): FMA RL 73, FMA SRL 160, NFIP RL 169, NFIP SRL 47, any category 308.
Galveston city	485469	48	127	613	93	655	22	297	
Hitchcock city	485479	15	18	100	11	107	5	51	
Jamaica Beach city	481271	8	7	44	5	49	2	15	

Jurisdiction	NFIP community ID	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>	Note
Kemah city	485481	9	35	56	14	79	17	17	
La Marque city	485486	16	14	99	10	104	2	23	
League City city	485488	66	69	306	42	341	14	194	Whole community, including the part in Harris County; in-county portion (county table): FMA RL 64, FMA SRL 62, NFIP RL 297, NFIP SRL 37, any category 330.
Santa Fe city	481562	9	9	39	7	45	2	19	
Seabrook city	485507	19	50	136	19	167	28	91	Whole community, including the part in Harris County and Nueces County, plus 1 property with no county in FEMA's file; in-county portion (county table): FMA RL 0, FMA SRL 0, NFIP RL 2, NFIP SRL 0, any category 2.
Texas City city	485514	17	60	301	53	311	6	54	
Tiki Island village	481585	0	0	2	0	2	0	1	

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

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

County repeat-flood properties by occupancy group

Sources: 1, 4

Occupancy group	RL, FMA <i>properties</i>	SRL, FMA <i>properties</i>	RL, NFIP <i>properties</i>	SRL, NFIP <i>properties</i>	Any category <i>properties</i>	Mitigated <i>properties</i>	Currently insured <i>properties</i>
single-family residential	438	724	2,417	401	2,808	206	1,169
2 to 4 unit residential	3	16	54	14	56	3	19
other residential	1	22	65	20	68	2	41
non-residential	14	87	319	61	346	15	86
not reported	0	0	0	0	0	0	0

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

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

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

In this county 181 properties are FMA repetitive loss but not NFIP repetitive loss, and 2,580 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

- 1. FEMA, OpenFEMA HazardMitigationPlanStatuses v1, version 2026-09-29T134039Z, pulled 2026-09-30, <https://www.fema.gov/api/open/v1/HazardMitigationPlanStatuses> (API)

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

What this packet is and what the plan adds

This packet is the federal data for the plan's risk assessment, organized by the items of FEMA's Local Mitigation Plan Review Tool, Element B. Each section heading names the item its tables support; the plan and FEMA's review decide whether the item is met.

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

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

OpenFEMA disclaimer

This product uses the Federal Emergency Management Agency's OpenFEMA API, but is not endorsed by FEMA. The Federal Government or FEMA cannot vouch for the data or analyses derived from these data after the data have been retrieved from the Agency's website(s).

Reuse, citation and corrections

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

Hazard Plain release 2026-10. As of 2026-09-30; Storm Events data through 2026-06-30. Automated baseline.