

Orange County, FL

Risk-assessment baseline packet

County FIPS: 12095 **Release:** 2026-10 **Data as of:** 2026-09-30 **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.

Summary

Plan status as of 2026-09-30: Approved, expires 2027-03-02. Plan: Orange County (FEMA plan 107907), approved 2022-03-02.

Since the plan was approved on 2022-03-02: 10 new hazard declarations (5 incidents) and 58 NOAA Storm Events records; details under "What changed since your last plan".

Highest expected annual loss (FEMA National Risk Index, modeled total; see B1-a): Inland Flooding (\$181,838,223 a year), Hurricane (\$80,194,244) and Cold Wave (\$48,119,159).

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; 12095 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.

CONTENTS

1. Summary and terms used, page 1
2. Plan clock, page 2
3. What changed since your last plan (approved 2022-03-02), page 2
4. B1-a: hazard identification, page 4
5. B1-b: hazard location, page 5
6. B1-c: hazard extent, page 6
7. B1-d: previous occurrences, page 8
8. B1-e: probability of future events, page 15
9. B1-f: hazards that vary across jurisdictions, page 17
10. B2-a and B2-b: vulnerability and potential impacts, page 19
11. B2-a: vulnerability (county context), page 21
12. B2-c: repetitive loss properties, page 22
13. Sources, what the plan adds, disclaimer and citation, page 24

Plan clock

Status:	Approved, expires 2027-03-02	Plan:	Orange County (FEMA plan 107907)
Approved:	2022-03-02	Days to expiry:	153
Update underway:	none recorded in FEMA's plan tracker		

What changed since your last plan (approved 2022-03-02)

New federal declarations:	10 new hazard declarations (5 incidents): EM-3584-FL (Tropical Storm Ian), DR-4673-FL (Hurricane Ian), EM-3587-FL (Tropical Storm Nicole), DR-4680-FL (Hurricane Nicole), EM-3596-FL (Tropical Storm Idalia), DR-4734-FL (Hurricane Idalia), EM-3605-FL (Tropical Storm Debby), DR-4806-FL (Hurricane Debby), EM-3622-FL (Hurricane Milton), DR-4834-FL (Hurricane Milton)	Storm Events records since approval:	58 records (data through 2026-06-30)
Repetitive loss now:	FMA RL 7, SRL 5 (44 CFR 77.2); any definition: 75	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: 18 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 negative = days since expiry	Notes
Orange County (unincorporated area)	Unincorporated	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	
Apopka city	City	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	
Belle Isle city	City	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	
Eatonville town	Town	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2023-08-17
Edgewood city	City	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	
Maitland city	City	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	
Oakland town	Town	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2022-04-13
Ocoee city	City	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2023-02-15
Orlando city	City	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2022-05-18
Windermere town	Town	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2022-04-13
Winter Garden city	City	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2022-03-21
Winter Park city	City	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2022-03-03
Greater Orlando Aviation Authority	Transit/Airport	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2022-03-21
Orlando Utilities Commission	Electric/Power Authority	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2023-05-30
Ranger Drainage District	Water/Sewer Authority	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2022-08-30
South Florida Water Management District	Water/Sewer Authority	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2023-06-28
University of Central FL	College/University	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	
Vista Lakes Community Development District	Special District	Approved, expires 2027-03-02	Orange County (FEMA plan 107907)	2022-03-02	2027-03-02	153	this jurisdiction approved 2023-06-28

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	\$181,814,019	\$22,926	\$1,278	\$181,838,223	15	
2	Hurricane	Relatively High	Very High	\$74,882,241	\$2,480,783	\$2,831,220	\$80,194,244	10	Includes 2 Tropical Depression records (outside NRI's Hurricane definition).
3	Cold Wave	Very High	Very High	\$93,064	\$1,087,201	\$46,938,894	\$48,119,159	6	Includes 4 Frost/Freeze records (outside NRI's Cold Wave definition; counted in this table and in B1-d, not in the B1-e descriptor).
4	Tornado	Very High	Very High	\$22,425,640	\$7,893	\$22,959,138	\$45,392,669	21	
5	Strong Wind	Very High	Very High	\$30,071,639	\$2,205,641	\$1,170,302	\$33,447,582	229	Includes 2 High Wind and 2 Strong Wind records (NOAA non-thunderstorm wind types, outside NRI's Strong Wind definition).
6	Wildfire	Relatively Moderate	Relatively High	\$7,938,375	\$8,042	\$1,049,445	\$8,995,862	1	
7	Hail	Relatively High	Relatively High	\$6,884,200	\$158,937	\$12,512	\$7,055,649	226	
8	Lightning	Very High	Very High	\$339,684	n/a	\$5,764,675	\$6,104,358	41	
9	Heat Wave	Relatively Moderate	Relatively Moderate	\$96	\$159	\$5,266,205	\$5,266,460	3	
10	Earthquake	Relatively Low	Relatively Low	\$846,133	n/a	\$383,134	\$1,229,268		Storm Events does not record earthquakes.
11	Drought	Relatively Low	Relatively Low	n/a	\$40,358	n/a	\$40,358	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
12	Landslide	Very Low	Very Low	\$1,021	n/a	\$2	\$1,022	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).

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
13	Coastal Flooding	No Rating	No Expected Annual Losses	\$0	n/a	\$0	\$0	0	No recorded events in Storm Events since 1996 (data through 2026-06-30).
14	Winter Weather	No Rating	No Expected Annual Losses	\$0	\$0	\$0	\$0	1	

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 landslide records (Storm Events records this hazard only in part).

Not applicable to this county per NRI, with no federal declaration and no Storm Events record since 1996: avalanche, ice storm, tsunami 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, 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 185 (Relatively Low, 50.1); tract 165.15 (Relatively Low, 49.8); tract 170.01 (Relatively Low, 49.7)
Hurricane	tract 168.02 (Very High, 97.9); tract 170.01 (Very High, 97.1); tract 165.15 (Relatively High, 96.8)
Landslide	tract 171.11 (Relatively Low, 88.8); tract 179.02 (Relatively Low, 82.6); tract 171.10 (Very Low, 78.3)
Tornado	tract 168.02 (Very High, 99.2); tract 171.11 (Very High, 97.6); tract 165.15 (Very High, 96.0)
Wildfire	tract 168.02 (Relatively High, 98.8); tract 171.11 (Relatively High, 98.5); tract 171.13 (Relatively High, 97.9)

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 185 is Census Tract 185). 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)	0					Flood depth: see the FEMA Flood Insurance Rate Map.
Cold/Wind Chill, Extreme Cold/Wind Chill	wind chill	2 records, 2003 to 2010 (2 zone-level)	1 day; 2 with a recorded value	1 consecutive day, 2010-12-14, zone-level	Cold/Wind Chill, 2003-01-24, \$0 property; \$10,000 crops (zone total, 2003 dollars)	Countywide (zone-level records).	
Frost/Freeze (outside NRI's Cold Wave definition)	crop damage	4 records, 2009 to 2010 (4 zone-level)		Frost/Freeze, 2010-12-27, \$1,110,000 crop damage (2010 dollars); NWS zone FLZ045		Countywide (zone-level records).	
Drought	U.S. Drought Monitor scale (D0 to D4)	0					Storm Events enters a drought at D2 or worse east of the Rockies and D3 or worse from the Rockies west (NWS Instruction 10-1605); NRI drought counts D3 and D4 only.
Earthquake	Modified Mercalli (local data)	0					Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	hail size (inches)	276 records, 1960 to 2024	0.75 in to 3 in (median 1 in); 273 with a recorded value	3 in hail, 1992-03-25	Hail, 2005-04-07, \$50,000 property; \$0 crops (2005 dollars)	Event records naming jurisdictions in the plan: Orlando city (58 records), Apopka city (13 records), Winter Park city (13 records), Winter Garden city (9 records), Maitland city (8 records), Ocoee city (8 records), Windermere town (8 records), Edgewood city (4 records), Oakland town (2 records), Belle Isle city (1 record); and 1 more jurisdiction (see the Excel file).	
Excessive Heat, Heat	heat index (in event narratives)	3 records, 1997 to 2022 (2 zone-level)	1 day to 30 days (median 1 day); 3 with a recorded value	June 1998 (1 monthly summary record)		Event records naming jurisdictions in the plan: Orlando city (1 record). Zone-level records (2) apply countywide.	
Hurricane, Tropical Storm, Tropical Depression	Saffir-Simpson	10 records, 1999 to 2024 (10 zone-level)		Strongest recorded: Hurricane record (NOAA event type 'Hurricane (Typhoon)'), 1999-09-14 to 1999-09-15, \$500,000 property; crops not reported (1999 dollars); NWS zone FLZ045	Most damaging recorded: Tropical Storm, 2017-09-10, \$110,000,000 property; \$0 crops (zone total, 2017 dollars)	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.

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Flash Flood, Flood, Lakeshore Flood	damage and flood days (flood depth: FIRM)	15 records, 1999 to 2024		Flood, 2022-09-28, \$206,000,000 property; \$0 crops (2022 dollars)		Event records naming jurisdictions in the plan: Orlando city (3 records), Eatonville town (1 record), Winter Park 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					
Lightning	annualized frequency (the measure FEMA's Local Mitigation Planning Handbook names)	41 records, 1996 to 2023		Lightning, 1998-08-16, damage not reported, 2 direct deaths	Lightning, 2010-08-22, \$2,000,000 property; \$0 crops (2010 dollars)	Event records naming jurisdictions in the plan: Orlando city (13 records), Apopka city (3 records), Winter Park city (3 records), Edgewood city (1 record), Ocoee city (1 record), Windermere town (1 record), Winter Garden city (1 record).	Storm Events lists lightning with damage or casualties.
High Wind and Strong Wind (outside NRI's Strong Wind definition)	wind speed (kt and mph)	4 records, 2004 to 2021 (4 zone-level)	46 kt (53 mph) to 91 kt (105 mph) (median 63.5 kt (73 mph)); 4 with a recorded value	91 kt (105 mph) measured gust, High Wind, 2004-08-13, 3 direct deaths (reported for the zone); NWS zone FLZ045		Countywide (zone-level records).	
Thunderstorm Wind	wind speed (kt and mph)	315 records, 1956 to 2026	40 kt (46 mph) to 78 kt (90 mph) (median 50 kt (58 mph)); 234 with a recorded value	78 kt (90 mph), measurement type not recorded, Thunderstorm Wind, 1966-04-04	Thunderstorm Wind, 1995-04-06, \$2,500,000 property; crops not recorded (1995 dollars)	Event records naming jurisdictions in the plan: Orlando city (49 records), Apopka city (15 records), Winter Park city (12 records), Ocoee city (7 records), Windermere town (7 records), Winter Garden city (5 records), Belle Isle city (3 records), Edgewood city (3 records), Maitland city (3 records), Eatonville town (1 record); and 1 more jurisdiction (see the Excel file).	
Tornado	Enhanced Fujita (Fujita before Feb 2007)	70 records, 1950 to 2025	F/EF0 to F/EF3 (median F/EF0); 66 with a recorded value	F3 tornado, 1998-02-22, 14 mi within this county, 200 yd wide, \$15,000,000 property; crops not reported (1998 dollars), 3 direct deaths, 70 direct injuries		Event records naming jurisdictions in the plan: Orlando city (4 records), Apopka city (2 records), Belle Isle city (1 record), Winter Garden city (1 record), Winter Park 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).

Hazard	Scale	Records <i>count and years</i>	Observed range	Worst recorded event	Most damaging (when different)	How it applies to jurisdictions	Note
Wildfire	acres burned (local data)	1 record, 2010 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	
Winter Storm, Heavy Snow, Blizzard, Lake- Effect Snow, Winter Weather, Sleet	none in data (snowfall: local data)	1 record, 2010 (1 zone-level)		No damage reported in 1 record.		Countywide (zone-level records).	

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

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

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

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

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: 39 declarations covering 27 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	
2024-10-11	2024-10-05	DR-4834-FL	Major disaster	Hurricane Milton	Hurricane (primary); also designated: Inland Flooding	\$16,281,754.66		new since last plan; within last 5 years	
2024-10-07	2024-10-05	EM-3622-FL	Emergency	Hurricane Milton	Hurricane	no Public Assistance recorded		new since last plan; within last 5 years	same incident as DR-4834-FL
2024-08-10	2024-08-01	DR-4806-FL	Major disaster	Hurricane Debby	Hurricane	no Public Assistance recorded		new since last plan; within last 5 years	

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2024-08-03	2024-08-01	EM-3605-FL	Emergency	Tropical Storm Debby	Hurricane (primary); also designated: Inland Flooding, Strong Wind, Tornado	no Public Assistance recorded	new since last plan; within last 5 years	same incident as DR-48
2023-08-31	2023-08-27	DR-4734-FL	Major disaster	Hurricane Idalia	Hurricane	\$503,993.52	new since last plan; within last 5 years	
2023-08-28	2023-08-27	EM-3596-FL	Emergency	Tropical Storm Idalia	Hurricane	no Public Assistance recorded	new since last plan; within last 5 years	same incident as DR-47
2022-12-13	2022-11-07	DR-4680-FL	Major disaster	Hurricane Nicole	Hurricane	\$851,916.90	new since last plan; within last 5 years	
2022-11-08	2022-11-07	EM-3587-FL	Emergency	Tropical Storm Nicole	Hurricane	no Public Assistance recorded	new since last plan; within last 5 years	same incident as DR-46
2022-09-29	2022-09-23	DR-4673-FL	Major disaster	Hurricane Ian	Hurricane	\$63,061,992.16	new since last plan; within last 5 years	
2022-09-24	2022-09-23	EM-3584-FL	Emergency	Tropical Storm Ian	Hurricane	no Public Assistance recorded	new since last plan; within last 5 years	same incident as DR-46

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2020-08-01	2020-07-31	EM-3533-FL	Emergency	Hurricane Isaias	Hurricane	\$6,331.99		
2020-03-25	2020-01-20	DR-4486-FL	Major disaster	COVID-19 Pandemic	Non- natural, not counted	\$73,882,087.07		
2020-03-13	2020-01-20	EM-3432-FL	Emergency	COVID-19	Non- natural, not counted	no Public Assistance recorded		same incident as DR-44
2019-08-30	2019-08-28	EM-3419-FL	Emergency	Hurricane Dorian	Hurricane	no Public Assistance recorded		
2017-09-10	2017-09-04	DR-4337-FL	Major disaster	Hurricane Irma	Hurricane	\$76,000,445.49		
2017-09-05	2017-09-04	EM-3385-FL	Emergency	Hurricane Irma	Hurricane	no Public Assistance recorded		same incident as DR-43
2016-10-08	2016-10-03	DR-4283-FL	Major disaster	Hurricane Matthew	Hurricane	\$6,723,389.82		
2016-10-06	2016-10-03	EM-3377-FL	Emergency	Hurricane Matthew	Hurricane	no Public Assistance recorded		same incident as DR-42
2008-08-24	2008-08-18	DR-1785-FL	Major disaster	Tropical Storm Fay	Hurricane; Inland Flooding	PA not declared for this county		
2008-08-21	2008-08-18	EM-3288-FL	Emergency	Tropical Storm Fay	Hurricane; Inland Flooding	\$330,778.24		same incident as DR-17
2005-09-05	2005-08-29	EM-3220-FL	Emergency	Hurricane Katrina Evacuation	Hurricane: evacuation support, not a local hazard event; not counted	no Public Assistance recorded		
2004-09-26	2004-09-24	DR-1561-FL	Major disaster	Hurricane Jeanne	Hurricane	\$39,917,595.49		
2004-09-16	2004-09-13	DR-1551-FL	Major disaster	Hurricane Ivan	Hurricane	none placed in this county by FEMA's record; \$368,533.58 for this declaration is not placed in any county (see the state page)		
2004-09-04	2004-09-03	DR-1545-FL	Major disaster	Hurricane Frances	Hurricane	\$45,666,679.66		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
2004-08-13	2004-08-11	DR-1539-FL	Major disaster	Tropical Storm Bonnie and Hurricane Charley	Hurricane	\$82,949,942.62		
2001-04-17	2001-04-16	FM-2357-FL	Fire management	FI - Orlando Complex Fire	Wildfire	no Public Assistance recorded		
2001-02-05	2000-12-01	DR-1359-FL	Major disaster	Severe Freeze	Cold Wave	PA not declared for this county		
2000-05-28	2000-05-28	FM-2301-FL	Fire management	FI, Orlando District Fire Complex	Wildfire	no Public Assistance recorded		
1999-10-20	1999-10-14	DR-1306-FL	Major disaster	FI-Hurricane Irene-Dr-Req	Hurricane	PA not declared for this county		
1999-10-15	1999-10-14	EM-3150-FL	Emergency	Tropical Storm Irene - Florida	Hurricane	\$2,863.02		same incident as DR-1306
1999-04-27	1999-04-15	EM-3139-FL	Emergency	FI-Fires 04/15/99	Wildfire	no Public Assistance recorded		
1999-04-15	1999-04-13	FM-2253-FL	Fire management	FI-Fires 04/13/99	Wildfire	no Public Assistance recorded		
1998-06-18	1998-05-25	DR-1223-FL	Major disaster	Extreme Fire Hazard	Wildfire	no Public Assistance recorded		
1998-01-06	1997-12-25	DR-1195-FL	Major disaster	Severe Storms, High Winds, Tornadoes, and Flooding	Inland Flooding; Strong Wind; Tornado	no Public Assistance recorded		
1994-07-08	1994-07-02	EM-3114-FL	Emergency	Tropical Storm Alberto	Inland Flooding (primary); also designated: Hurricane	no Public Assistance recorded		
1990-01-15	1989-12-23	DR-851-FL	Major disaster	Severe Freeze	Cold Wave	PA not declared for this county		
1985-03-18	1985-03-18	DR-732-FL	Major disaster	Severe Freeze	Cold Wave	PA not declared for this county		

Declared	Incident began	FEMA number	Type	Title	Mapped hazard	County Public Assistance <i>federal share obligated, nominal dollars</i>	Flags	Notes
1984-03-29	1983-12-24	DR-698-FL	Major disaster	Freezing Temperatures	Cold Wave	PA not declared for this county		
1977-01-31	1977-01-31	DR-526-FL	Major disaster	Severe Winter Weather	Cold Wave	PA not declared for this county		

School districts and special districts in this county: \$66,641,659.79 (included in the county total above). Public Assistance matched by applicant name to the school districts and special districts FEMA lists as plan participants in this county. They have no row of their own in the jurisdiction table, so their total is listed here. These dollars are already included in the county PA column of the declarations table (the FEMA record places each applicant in this county), so this line is not added to it.

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

Statewide declarations

Source: 2

Declared	Incident began	FEMA number	Type	Title	Mapped hazard
1995-08-03	1995-08-02	EM-3116-FL	Emergency	Hurricane Erin	Hurricane
1964-09-10	1964-09-10	DR-176-FL	Major disaster	Hurricane Dora	Hurricane (primary); also designated: Inland Flooding
1964-09-08	1964-09-08	DR-175-FL	Major disaster	Hurricane Cleo	Hurricane (primary); also designated: Inland Flooding
1962-12-17	1962-12-17	DR-141-FL	Major disaster	Abnormally High Tides	Inland Flooding
1960-09-12	1960-09-12	DR-106-FL	Major disaster	Hurricane Donna	Hurricane (primary); also designated: Inland Flooding
1960-03-23	1960-03-23	DR-97-FL	Major disaster	Severe Weather Conditions	Other, not an NRI hazard; not counted
1953-10-22	1953-10-22	DR-12-FL	Major disaster	Flood	Inland Flooding

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.

17 Fire Management declarations (1985-05-17 to 1998-06-28) 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: 4 rows, \$689,317.70

Sources: 2, 3

FEMA number	Declared	Title	Applicant	PA obligated <i>federal share obligated, nominal dollars</i>
DR-4280-FL	2016-09-28	Hurricane Hermine	Florida Governmental Utility Authority	\$22,002.73
DR-4068-FL	2012-07-03	Tropical Storm Debby	Florida Governmental Utility Authority	\$551,063.69
DR-1609-FL	2005-10-24	Hurricane Wilma	Florida Governmental Utility Authority	\$81,160.30
DR-1393-FL	2001-09-28	Severe Storms, Tornadoes and Flooding Associated with Tropical Storm Gabrielle	Florida Governmental Utility Authority	\$35,090.98

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 Florida county: 4 rows, \$9,327,951.42; listed on the Florida 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	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Cold Wave	6	0	0	0	5	0	1996 to 2026-06-30	Includes 4 Frost/Freeze records.
Drought	0	0	0	0	0	0	1996 to 2026-06-30	No recorded events, 1996 to 2026-06-30, NOAA NCEI Storm Events
Earthquake	0	0	0	0	0	0		Storm Events does not record earthquakes; the USGS earthquake catalog is the source.
Hail	276	14	5	14	0	0	1955 to 2026-06-30	
Heat Wave	3	1	0	1	0	0	1996 to 2026-06-30	
Hurricane	10	5	0	5	16	5	1996 to 2026-06-30	Includes 2 Tropical Depression records.
Inland Flooding	15	7	0	7	5	2	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	41	1	0	1	0	0	1996 to 2026-06-30	
Strong Wind	319	28	4	29	2	1	1955 to 2026-06-30	Includes 2 High Wind and 2 Strong Wind records.
Tornado	70	2	0	2	2	1	1950 to 2026-06-30	
Wildfire	1	0	0	0	5	0	1996 to 2026-06-30	
Winter Weather	1	0	0	0	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
2022-09-28	Flood		\$206,000,000 property; \$0 crops (2022 dollars)	0, 0	(MCO)ORLANDO INTL AR to LAKE PICKETT	new since last plan; within last 5 years	B1-c worst recorded: Flash Flood, Flood, Lakeshore Flood
2017-09-10	Tropical Storm		\$110,000,000 property; \$0 crops (zone total, 2017 dollars)	0, 0	NWS zone FLZ045 (ORANGE), zone-level		B1-c most damaging: Hurricane, Tropical Storm, Tropical Depression
2010-12-27	Frost/Freeze		\$0 property; \$1,110,000 crops (zone total, 2010 dollars)	0, 0	NWS zone FLZ045 (ORANGE), zone-level		B1-c worst recorded: Frost/Freeze
2010-12-14	Cold/Wind Chill		\$0 property; \$0 crops (zone total, 2010 dollars)	0, 0	NWS zone FLZ045 (ORANGE), zone-level		B1-c worst recorded: Cold/Wind Chill, Extreme Cold/Wind Chill
2004-08-13	High Wind	91 kt (105 mph) measured gust	\$881,000,000 property; crops not reported (zone total, 2004 dollars)	3, 0	NWS zone FLZ045 (ORANGE), zone-level		deaths or injuries recorded
2003-01-24	Cold/Wind Chill		\$0 property; \$10,000 crops (zone total, 2003 dollars)	0, 0	NWS zone FLZ045 (ORANGE), zone-level		B1-c most damaging: Cold/Wind Chill, Extreme Cold/Wind Chill
1999-09-14	Hurricane (NOAA event type 'Hurricane (Typhoon)')		\$500,000 property; crops not reported (zone total, 1999 dollars)	0, 0	NWS zone FLZ045 (ORANGE), zone-level		B1-c worst recorded: Hurricane, Tropical Storm, Tropical Depression
1998-08-16	Lightning		damage not reported	2, 0	ORLANDO		deaths or injuries recorded
1998-06-01	Heat		damage not reported	0, 0	NWS zone FLZ045 (ORANGE), zone-level		B1-c worst recorded: Excessive Heat, Heat
1998-02-22	Tornado	F3, 14 mi within this county, 200 yd wide	\$15,000,000 property; crops not reported (1998 dollars)	3, 70	WINTER GARDEN to PIEDMONT		deaths or injuries recorded
1992-03-25	Hail	3 in	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Hail
1966-04-04	Thunderstorm Wind	78 kt (90 mph), measurement type not recorded	damage not recorded (pre-1996 record)	0, 0	location not recorded		B1-c worst recorded: Thunderstorm Wind

The full list is in the Excel file, sheet "B1-d Storm Events history" (742 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	0.01	events per year at a location (modeled)	about 0.01 per year at a given location in the county		Storm Events records in 0 of 30 years, 1996 to 2025 (0%)	not shown	modeled	see B1-f	No descriptor: no Storm Events record 1996 to 2025
Cold Wave	3.87	event-days per year	about 3.87 days per year	Possible	Storm Events event-days in 2 of 30 years, 1996 to 2025 (6.67%)	73.6	2005-11-12 to 2024-11-12 (19 years)	countywide	
Drought	15.4	event-days per year	about 15.4 days per year		Storm Events event-days in 0 of 30 years, 1996 to 2025 (0%)	616	2000 to 2025 (25.25 years; D3 and D4 only)	countywide	No Storm Events drought record, 1996 to 2025
Earthquake	0.000405	annual probability at a location	chance a given location in the county has at least minor-damage shaking in a year: 0.0405%			not shown	modeled	see B1-f	No descriptor (Storm Events does not record earthquakes).
Hail	2.21	events per year	about 2.21 per year	Highly likely	FEMA annualized frequency (modeled)	84.4 (modeled)	1986 to 2023 (38 years)	countywide	
Heat Wave	1.95	event-days per year	about 1.95 days per year	Likely	Storm Events event-days in 3 of 30 years, 1996 to 2025 (10%)	28.1	2005-11-12 to 2024-11-12 (19 years)	countywide	
Hurricane	0.247	events per year	about 1 in 4 years	Likely	FEMA annualized frequency (modeled)	92	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.
Inland Flooding	0.357	event-days per year	about 0.357 days per year	Likely	Storm Events event-days in 9 of 30 years, 1996 to 2025 (30%)	10	1996 to 2023 (28 years)	see B1-f	
Landslide	0.0988	events per year (modeled)	about 1 in 10 years	Possible	FEMA annualized frequency (modeled)	not shown	modeled	see B1-f	
Lightning	88.1	days per year with a strike	about 88.1 days per year	Highly likely	FEMA annualized frequency (modeled)	not shown	1995 to 2023 (29 years; CONUS)	countywide	

Hazard	FEMA annualized frequency (modeled) <i>unit per row</i>	Unit	In plain terms	Descriptor	Descriptor basis	NRI events or days in its record period (hail, wind and tornado are area- weighted, so can be fractional)	NRI period	Location	Note
Strong Wind	1.08	events per year	about 1.08 per year	Highly likely	FEMA annualized frequency (modeled)	40	1986 to 2023 (38 years)	countywide	
Tornado	0.777	events per year	about 0.78 per year	Likely	FEMA annualized frequency (modeled)	not shown	1950 to 2023 (EF2+); 1986 to 2023 (EF0-1)	see B1-f	
Wildfire	0.00897	annual probability at a location	chance a given location in the county burns in a year: 0.897%	Possible	Storm Events records in 1 of 30 years, 1996 to 2025 (3.33%)	not shown	modeled	see B1-f	
Winter Weather	0	event-days per year	none modeled	Possible	Storm Events event-days in 1 of 30 years, 1996 to 2025 (3.33%)	0	2005-11-12 to 2024-11-12 (19 years)	countywide	NRI models no winter weather event-days here (2005-11-12 to 2024-11-12, 19 years); Storm Events has a record in 1 of 30 years. The descriptor comes from Storm Events, which records events NRI's definition leaves out.

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	114	30	3.8
Hail	2.00 in+	1996 to 2025	2	30	0.0667
Thunderstorm Wind (counted as NRI Strong Wind)	50-64 kt	1996 to 2025	180	30	6
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	36	30	1.2
Tornado	EF0-1	1996 to 2025	19	30	0.633
Tornado	EF2-3	1996 to 2025	2	30	0.0667
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	0 of 266				No Rating 266
Cold Wave	266 of 266	44.0	78.5	97.7	Very High 3, Relatively High 141, Relatively Moderate 118, Relatively Low 4
Drought	29 of 266	66.8	74.4	87.8	Relatively Low 8, Very Low 21, No Rating 237
Earthquake	266 of 266	2.9	13.3	50.1	Relatively Low 7, Very Low 259
Hail	266 of 266	27.9	68.7	95.3	Relatively High 8, Relatively Moderate 113, Relatively Low 144, Very Low 1
Heat Wave	266 of 266	5.4	25.6	73.0	Relatively Moderate 4, Relatively Low 203, Very Low 59
Hurricane	266 of 266	58.0	84.2	97.9	Very High 2, Relatively High 30, Relatively Moderate 204, Relatively Low 30
Inland Flooding	266 of 266	1.7	48.8	99.4	Very High 3, Relatively High 26, Relatively Moderate 105, Relatively Low 106, Very Low 26
Landslide	152 of 266	9.9	31.4	88.8	Relatively Low 2, Very Low 150, No Rating 114
Lightning	266 of 266	28.0	68.9	98.1	Very High 1, Relatively High 76, Relatively Moderate 152, Relatively Low 37
Strong Wind	266 of 266	32.3	89.3	99.9	Very High 39, Relatively High 159, Relatively Moderate 66, Relatively Low 2

Hazard	Tracts <i>rated of all</i>	NRI risk score, 0 to 100			Tracts by rating
		Min	Median	Max	
Tornado	266 of 266	33.9	68.0	99.2	Very High 4, Relatively High 65, Relatively Moderate 167, Relatively Low 30
Wildfire	227 of 266	18.6	76.8	98.8	Relatively High 10, Relatively Moderate 43, Relatively Low 102, Very Low 72, No Rating 39
Winter Weather	0 of 266				No Rating 266

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, lightning and strong wind 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
Orange County (unincorporated area)	Unincorporated	Approved, expires 2027-03-02	FMA RL 6, SRL 4; any 50	\$126,632,231.01	0 total; 0 since its plan	Includes \$666,808.53 for declarations not counted as hazard incidents (DR-4486-FL).
Apopka city	City	Approved, expires 2027-03-02	FMA RL 0, SRL 0; any 0	\$6,763,280.67	33 total; 1 since its plan	
Belle Isle city	City	Approved, expires 2027-03-02	FMA RL 0, SRL 0; any 1	\$6,217,740.70	5 total; 1 since its plan	
Eatonville town	Town	Approved, expires 2027-03-02	FMA RL 0, SRL 0; any 1	\$489,102.38	3 total; 0 since its plan	
Edgewood city	City	Approved, expires 2027-03-02	FMA RL 0, SRL 0; any 0	\$1,535,164.22	8 total; 1 since its plan	
Maitland city	City	Approved, expires 2027-03-02	FMA RL 0, SRL 0; any 0	\$6,612,108.78	11 total; 0 since its plan	
Oakland town	Town	Approved, expires 2027-03-02	FMA RL 0, SRL 0; any 0	\$721,326.91	3 total; 0 since its plan	
Ocoee city	City	Approved, expires 2027-03-02	FMA RL 0, SRL 1; any 2	\$3,255,425.57	16 total; 4 since its plan	Includes \$36,623.28 for declarations not counted as hazard incidents (DR-4486-FL).
Orlando city	City	Approved, expires 2027-03-02	FMA RL 0, SRL 0; any 13	\$53,978,687.60	128 total; 2 since its plan	Includes \$595,780.08 for declarations not counted as hazard incidents (DR-4486-FL).
Windermere town	Town	Approved, expires 2027-03-02	FMA RL 0, SRL 0; any 0	\$3,397,875.67	16 total; 1 since its plan	
Winter Garden city	City	Approved, expires 2027-03-02	FMA RL 0, SRL 0; any 2	\$3,134,925.49	16 total; 0 since its plan	
Winter Park city	City	Approved, expires 2027-03-02	FMA RL 1, SRL 0; any 6	\$18,464,011.65	30 total; 0 since its plan	Includes \$62,016.50 for declarations not counted as hazard incidents (DR-4486-FL).

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

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

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

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

Local data needed

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

- Critical facilities and lifelines per hazard

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

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

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

Hazard	Building exposure <i>modeled dollars</i>	Agriculture exposure <i>modeled dollars</i>	Population exposed <i>people</i>	EAL buildings <i>modeled dollars per year</i>	EAL agriculture <i>modeled dollars per year</i>	Cost of expected deaths and injuries <i>FEMA's dollar value per year, not property damage</i>	EAL as % of exposure <i>buildings; agriculture where noted</i>	Storm Events damage since 2022-03-02 <i>county-coded records, property plus crops, nominal dollars</i>	Zone-level damage since plan <i>property plus crops, reported for the zone</i>	Public Assistance since plan <i>nominal dollars; see note</i>	Note
Coastal Flooding	\$16,558,862	n/a	35	\$0	n/a	\$0	0%				
Cold Wave	\$260,961,511,040	\$298,672,302	1,428,790	\$93,064	\$1,087,201	\$46,938,894	under 0.0001%				
Drought	n/a	\$265,713,951	n/a	n/a	\$40,358	n/a	0.0152% (agriculture)				NRI has no building exposure for this hazard; agriculture shown
Earthquake	\$451,878,126,421	n/a	1,429,908	\$846,133	n/a	\$383,134	0.000187%				
Hail	\$260,961,511,040	\$298,672,302	1,428,790	\$6,884,200	\$158,937	\$12,512	0.00264%	\$100			
Heat Wave	\$260,961,511,040	\$298,672,302	1,428,790	\$96	\$159	\$5,266,205	under 0.0001%		\$0		
Hurricane	\$260,949,749,788	\$298,672,302	1,428,657	\$74,882,241	\$2,480,783	\$2,831,220	0.0287%		\$1,600,000	\$80,699,657.24	
Inland Flooding	\$260,841,998,561	\$19,484,351	61,760	\$181,814,019	\$22,926	\$1,278	n/a (see note)	\$221,010,000		\$16,281,754.66	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	\$195,117,483	n/a	932	\$1,021	n/a	\$2	0.000523%				

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 2022-03-02 <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
Lightning	\$260,961,511,040	n/a	1,428,790	\$339,684	n/a	\$5,764,675	0.00013%	\$0			
Strong Wind	\$260,961,511,040	\$298,672,302	1,428,790	\$30,071,639	\$2,205,641	\$1,170,302	0.0115%	\$40,250		no Public Assistance recorded (1 declaration)	
Tornado	\$260,961,511,040	\$298,672,302	1,428,790	\$22,425,640	\$7,893	\$22,959,138	0.00859%	\$8,000		no Public Assistance recorded (1 declaration)	
Wildfire	\$18,138,520,260	\$181,064,040	162,800	\$7,938,375	\$8,042	\$1,049,445	0.0438%				
Winter Weather	\$0	\$0	0	\$0	\$0	\$0					building exposure is 0 in NRI

Totals since 2022-03-02 (Storm Events through 2026-06-30): 52 county-coded records, 52 with a damage value recorded (including \$0), \$221,058,350; 6 zone-level records, 5 with a damage value recorded (including \$0), \$1,600,000 reported for the zone; Public Assistance: \$80,699,657.24 on 10 counted declarations, 4 of them with Public Assistance.

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

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

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

County context

Source: 5

Measure	Value
Population	1,428,790
Building value (total, not at risk)	\$260,961,511,040
Agriculture value (total, not at risk)	\$298,672,302
NRI risk rating (all hazards)	Relatively High
Expected annual loss, buildings and agriculture, all hazards	\$331,308,050
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)	\$86,376,805
Social vulnerability rating	Relatively Low
Community resilience rating	Relatively Moderate
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)	7	Severe repetitive loss, FMA definition (44 CFR 77.2)	5
Repetitive loss, NFIP insurance definition	74	Severe repetitive loss, NFIP insurance definition	3

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	7	5	74	3	75	1	50
of which: Orange County (unincorporated area)	6	4	49	2	50	1	32
of which: Belle Isle city	0	0	1	0	1	0	1
of which: Eatonville town	0	0	1	0	1	0	1
of which: Ocoee city	0	1	2	1	2	0	1
of which: Orlando city	0	0	13	0	13	0	9
of which: Winter Garden city	0	0	2	0	2	0	1
of which: Winter Park city	1	0	6	0	6	0	5
Statewide, no county in FEMA's file	0	1	9	0	10	0	1

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>
Orange County (unincorporated area)	120179	6	4	49	2	50	1	32
Apopka city	120180	0	0	0	0	0	0	0
Belle Isle city	120181	0	0	1	0	1	0	1
Eatonville town	120182	0	0	1	0	1	0	1
Edgewood city	120183	0	0	0	0	0	0	0
Maitland city	120184	0	0	0	0	0	0	0
Oakland town	120663	0	0	0	0	0	0	0
Ocoee city	120185	0	1	2	1	2	0	1
Orlando city	120186	0	0	13	0	13	0	9
Windermere town	120381	0	0	0	0	0	0	0
Winter Garden city	120187	0	0	2	0	2	0	1
Winter Park city	120188	1	0	6	0	6	0	5

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	6	5	66	3	67	0	45
2 to 4 unit residential	0	0	2	0	2	1	2
other residential	0	0	0	0	0	0	0
non-residential	1	0	6	0	6	0	3
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 1 property is FMA repetitive loss but not NFIP repetitive loss, and 68 properties are NFIP repetitive loss but not FMA repetitive loss.

Exact counts; no count suppression.

Sources

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

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

What this packet is and what the plan adds

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

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

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

OpenFEMA disclaimer

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

Reuse and citation: Hazard Plain text and tables are licensed under Creative Commons Attribution 4.0 International (CC BY 4.0, <https://creativecommons.org/licenses/by/4.0/>); credit Hazard Plain and the release. The underlying federal data are public domain; OpenFEMA data are also subject to the OpenFEMA terms and conditions.

Cite this: Hazard Plain (2026). Orange County, FL: risk-assessment baseline packet, release 2026-10 (data as of 2026-09-30; County FIPS 12095). Automated baseline. <https://hazardplain.org/fl/12095/> Built from FEMA OpenFEMA, the FEMA National Risk Index and NOAA NCEI Storm Events; source versions in the packet's Sources list.

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