



# Galveston County WCID #1 LHMP

## Steering Committee Meeting

August 6, 2024, 6:00 PM

### Hazard Identification

**B1.** Does the plan include a description of the type, location and extent of all natural hazards that can affect the jurisdiction? Does the plan also include information on previous occurrences of hazard events and on the probability of future hazard events?

**(Requirement 44 CFR § 201.6(c)(2)(i))**

**B1-a.** The plan must include a description of all **natural hazards** that can affect the jurisdiction(s) in the planning area and their assets located outside of the planning area.

**Natural hazards** are a source of harm or difficulty created by a meteorological, environmental or geological event. Natural hazards impact the built environment.

*Note: Identifying hazards includes identifying all the types of hazards that can occur, e.g., the different types of flood hazards (flash, riverine, storm surge, dam/levee failure, etc.).*

### 2023 Texas State Hazard Mitigation Plan (SHMP) Hazards (All Regions):

Coastal Erosion	Hurricane, Tropical Storm, and Depression
Dam Failure	Land Subsidence
Drought	Lightning
Earthquake	Severe Coastal Flood
Expansive Soils	Severe Wind
Extreme Heat	Severe Winter Weather
Flood	Tornado
Hailstorm	Wildfire

### Texas SHMP, Region 4, Hazard Rankings by Total Damages:

Hazard	Hazard Ranking	Total Damages (Property & Crop)
Hurricane	1	\$4,084,033,024
Flood	2	\$1,546,670,341
Severe Coastal Flood	3	\$413,978,834
Drought	4	\$171,229,891
Severe Wind	5	\$79,397,008
Hailstorm	6	\$65,439,927
Tornado	7	\$61,350,962
Severe Winter Weather	8	\$45,338,067
Lightning	9	\$4,612,221
Extreme Heat	10	\$0
Wildfire	11	\$0

Region 4 Counties include Austin, Brazoria, Chambers, Colorado, Fort Bend, **Galveston**, Harris, Liberty, Matagorda, Montgomery, Walker, Waller, and Wharton

*Note: The plan must provide the rationale if omitting any natural hazards that are commonly recognized to affect the participant(s) in the planning area.*



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## **Public Input Event, 6/15/2024:**

Participants at the Galveston County Disaster Preparedness Event on 6/15 were introduced to the project and asked to place a sticker next to their top 3 hazards of concern. For this exercise, respondents were asked to place emphasis on hazards of concern that could affect the WCID #1 infrastructure, facilities, and delivery of services to customers within the planning area. There were 43 total responses.

<b>Hazard Name</b>	<b># of Responses</b>
Hurricane	24
Severe Weather (Thunderstorm, Hailstorm, Lightning)	19
Extreme Heat	15
Cyber Threats	14
Flooding	12
Water Quality & Quantity	12
Windstorm	11
Sea Level Rise	6
Climate Change (other than sea level rise)	3
Invasive Species	3
Drought & Expansive Soils	2
HazMat / Biological	2
Tornado	2
Geologic (Landslide, Sinkholes, Subsidence)	1
Winter Weather (Ice Storm, Heavy Snow, Blizzard)	1
Other	1

*Note: FEMA requires the addition of a hazard if there has been a recent disaster declaration for that hazard type. For example: Severe Ice Storm (2021), Flood (2024), Hurricane (2024) must be included in the LHMP. Additionally, **C4-b**. Each plan participant must identify one or more mitigation actions the participant(s) intends to implement for each hazard addressed in the risk assessment.*