



## Hurricane Beryl - Advisory #39A

For planning purposes only!

WASHINGTON, DC

08:26

Jul 8, 2024

CHICAGO

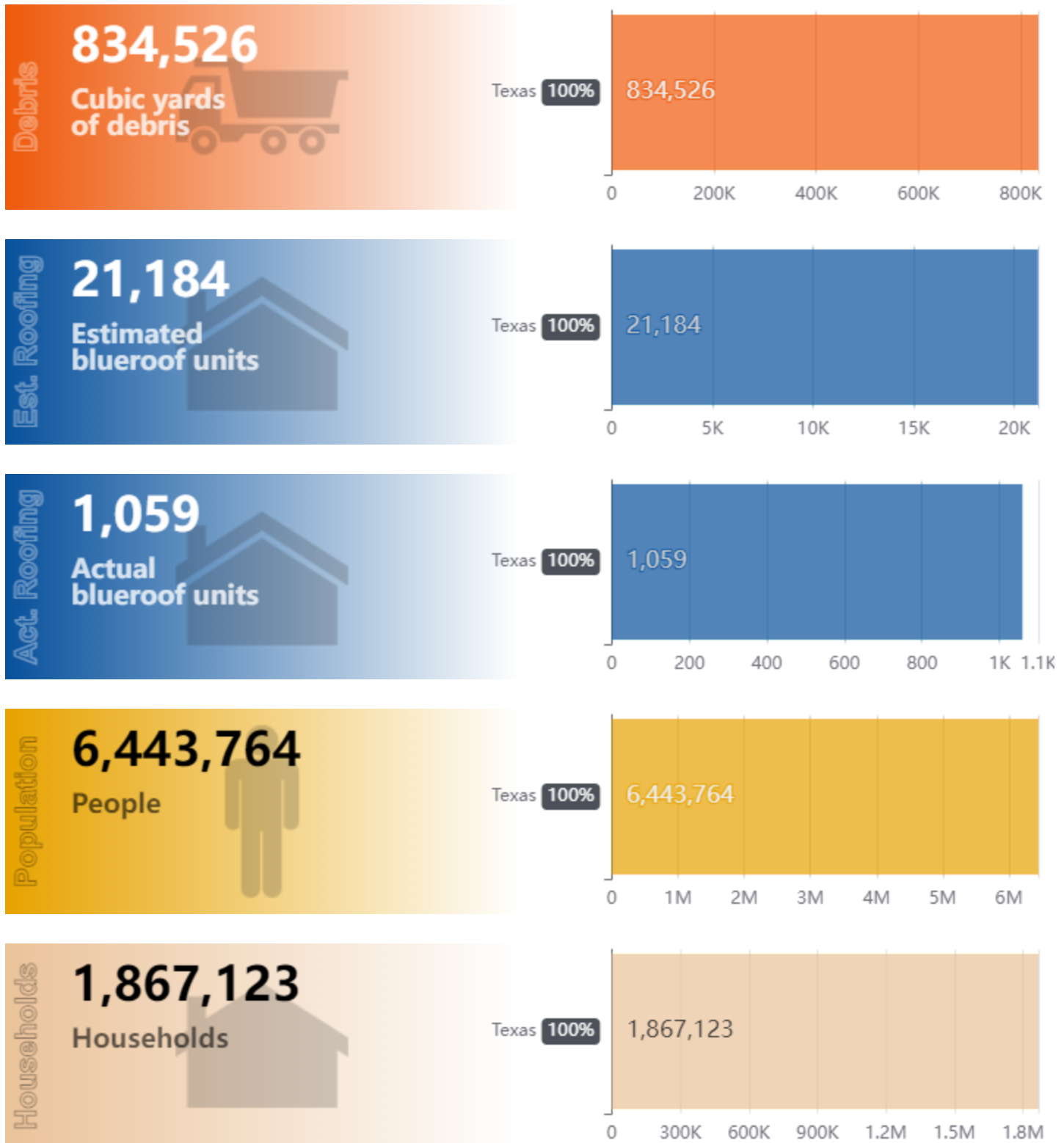
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Jul 8, 2024

LOS ANGELES

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Jul 8, 2024



# Mission Model Results

The mission models account for storm surge and wind damage only, but do not account for other related storm hazards that may affect the mission estimates.

SUMMARY  
6 counties

Debris (cu.yds.)	834,526
Roofing Est. (units)	21,184
Roofing Act. (units)	1,059
Population	6,443,764
Households	1,867,123

POPULATION DISTRIBUTION

Centroid Swath	Population
TS (4)	5,209,618
Cat 1 (2)	1,234,146

TEXAS

Name	Debris (cu.yds.)	Roofing Est. (units)	Roofing Act. (units)	Population	Households
Wharton	979	18	1	42,748	15,132
Matagorda	6,219	117	6	38,570	13,894
Harris	558,886	10,479	524	4,778,365	1,435,155
Galveston	34,442	646	32	349,935	108,969
Fort Bend	0	5,537	277	836,775	187,384
Brazoria	233,999	4,387	219	397,371	106,589

# Critical Infrastructure Results

## SUMMARY

**1,768 facilities**

<b>Power required (KW)</b>	126,562
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## COMMUNICATIONS

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Cellular Towers (31)	19	35-75	1,023

## EDUCATION

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Public Schools (620)	186	200-300	46,500
Private Schools (184)	0	200-300	0
Colleges and Universities (54)	1	200-300	270

## EMERGENCY SERVICES

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
National Shelter System Facilities (74)	0	0-0	0
Fire Stations (113)	11	15-35	283
Emergency Medical Service (EMS) Stations (182)	18	15-35	455

## HEALTHCARE

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Nursing Homes (234)	35	35-100	2,369
Hospitals (46)	14	800-2000	19,320

## LAW ENFORCEMENT

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Law Enforcement Locations (94)	9	15-35	235

## POWER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Electric Power Generation Plants (20)	0	0-0	0

## STATE FACILITIES

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Major State Government Buildings (2)	0	100-200	30

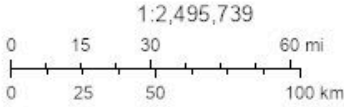
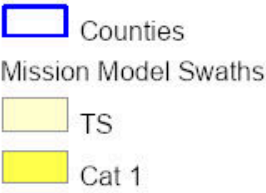
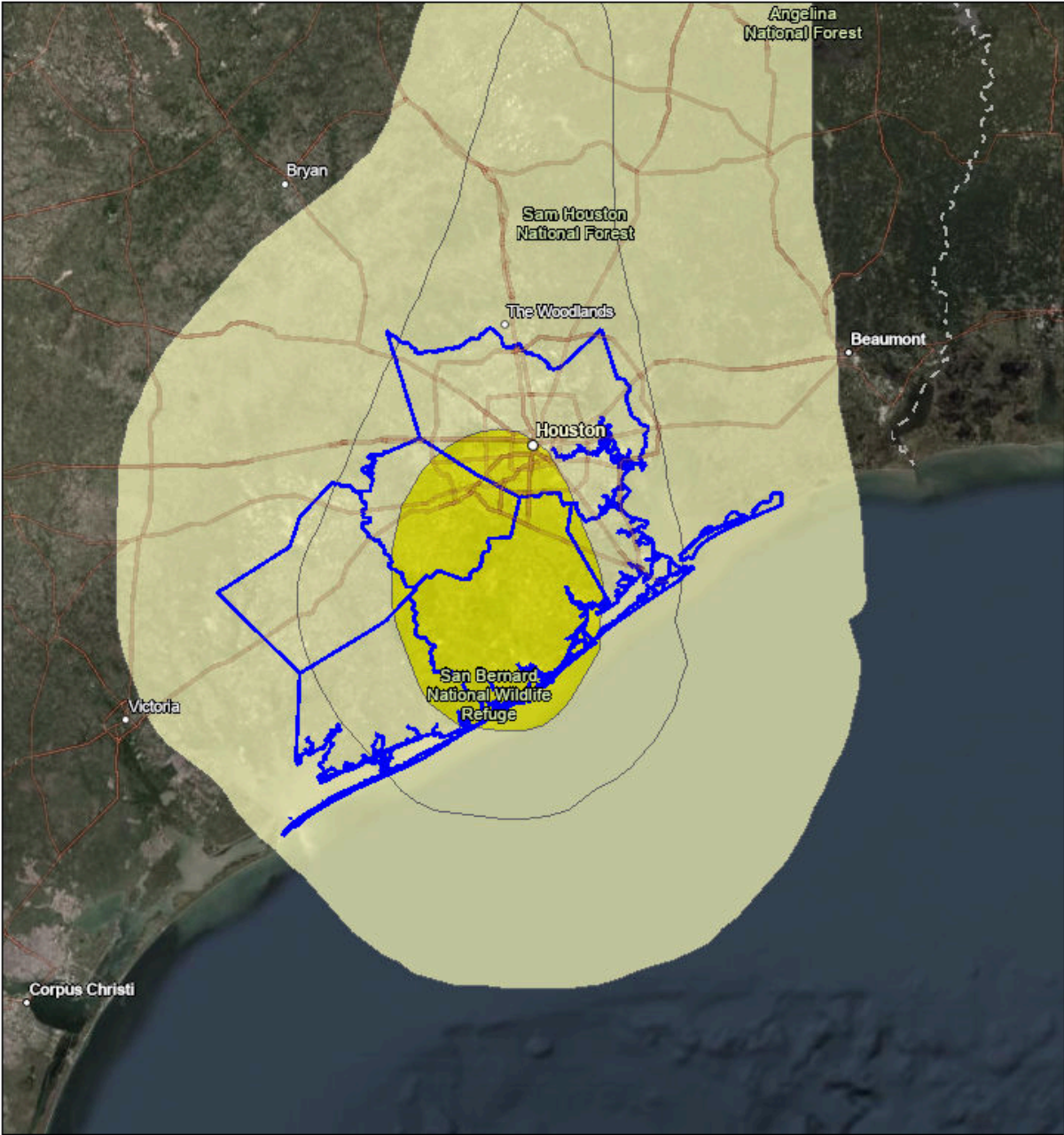
## STATE AND LOCAL EOCs

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Local Emergency Operations Centers (EOC) (14)	3	15-40	77

## WATER AND WASTEWATER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Wastewater Treatment Plants (100)	40	800-2000	56,000

Letter ANSI A Portrait



Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Created by SimSuite



# Key Messages for Hurricane Beryl

## Advisory 39: 4:00 AM CDT Mon Jul 08, 2024

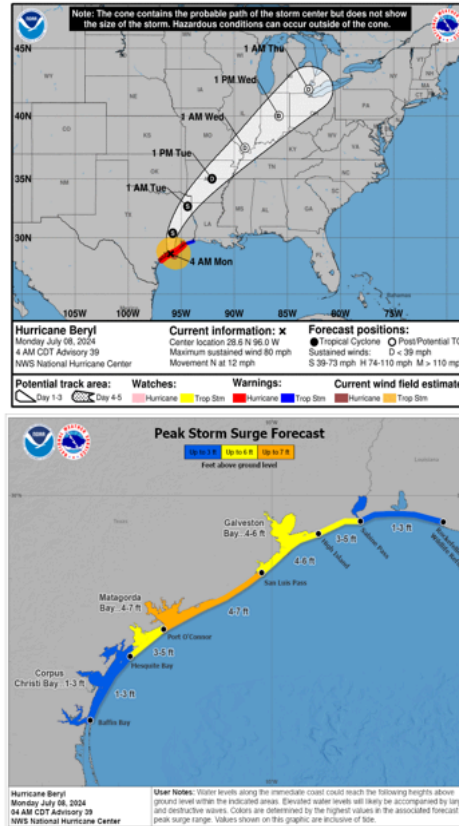


1. There is a continuing danger of life-threatening storm surge inundation along the coast of Texas from Mesquite Bay to Sabine Pass, including Matagorda Bay and Galveston Bay. Residents in those areas should follow any advice given by local officials.

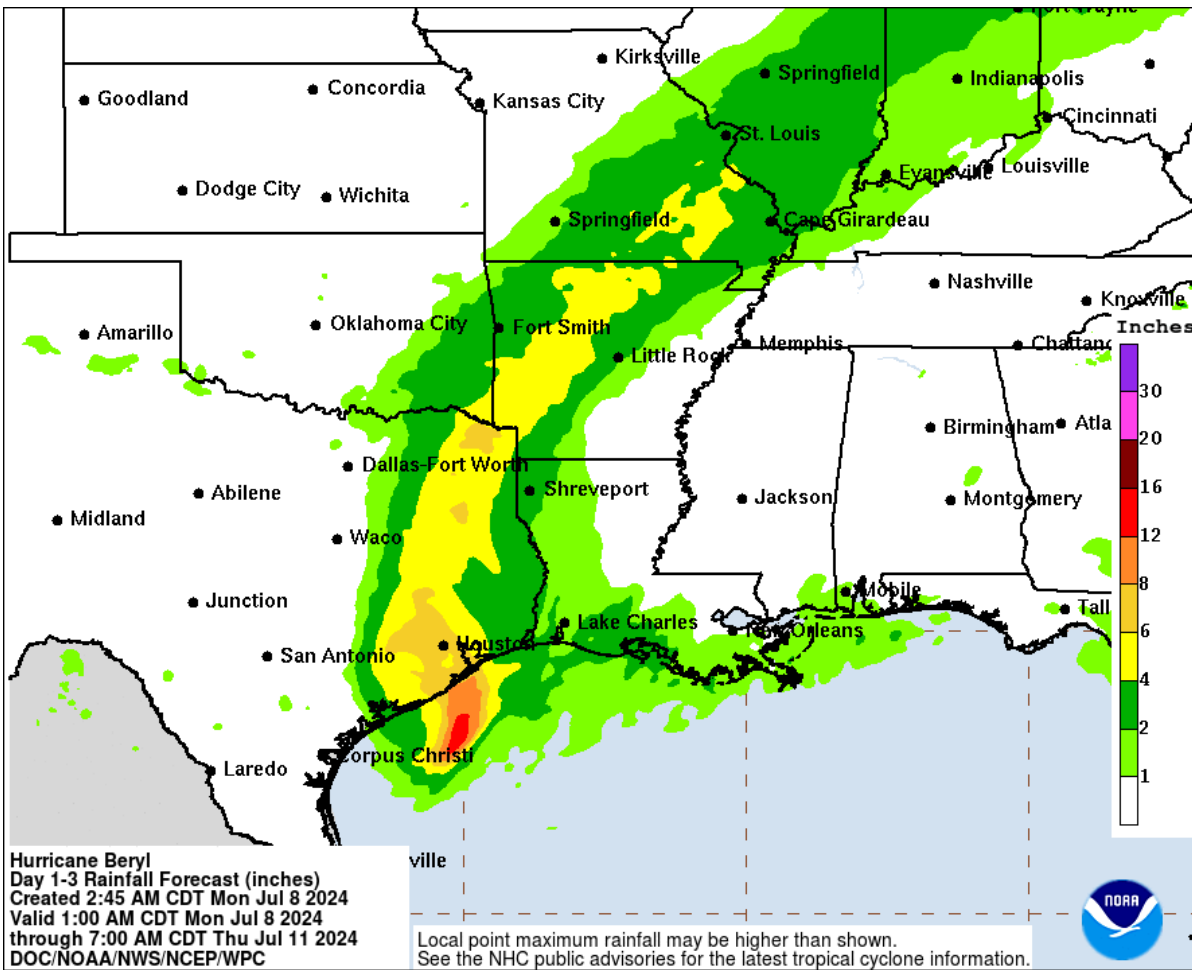
2. Beryl is bringing damaging hurricane-force winds to portions of the Texas coast this morning. A Hurricane Warning is in effect from Mesquite Bay to Port Bolivar.

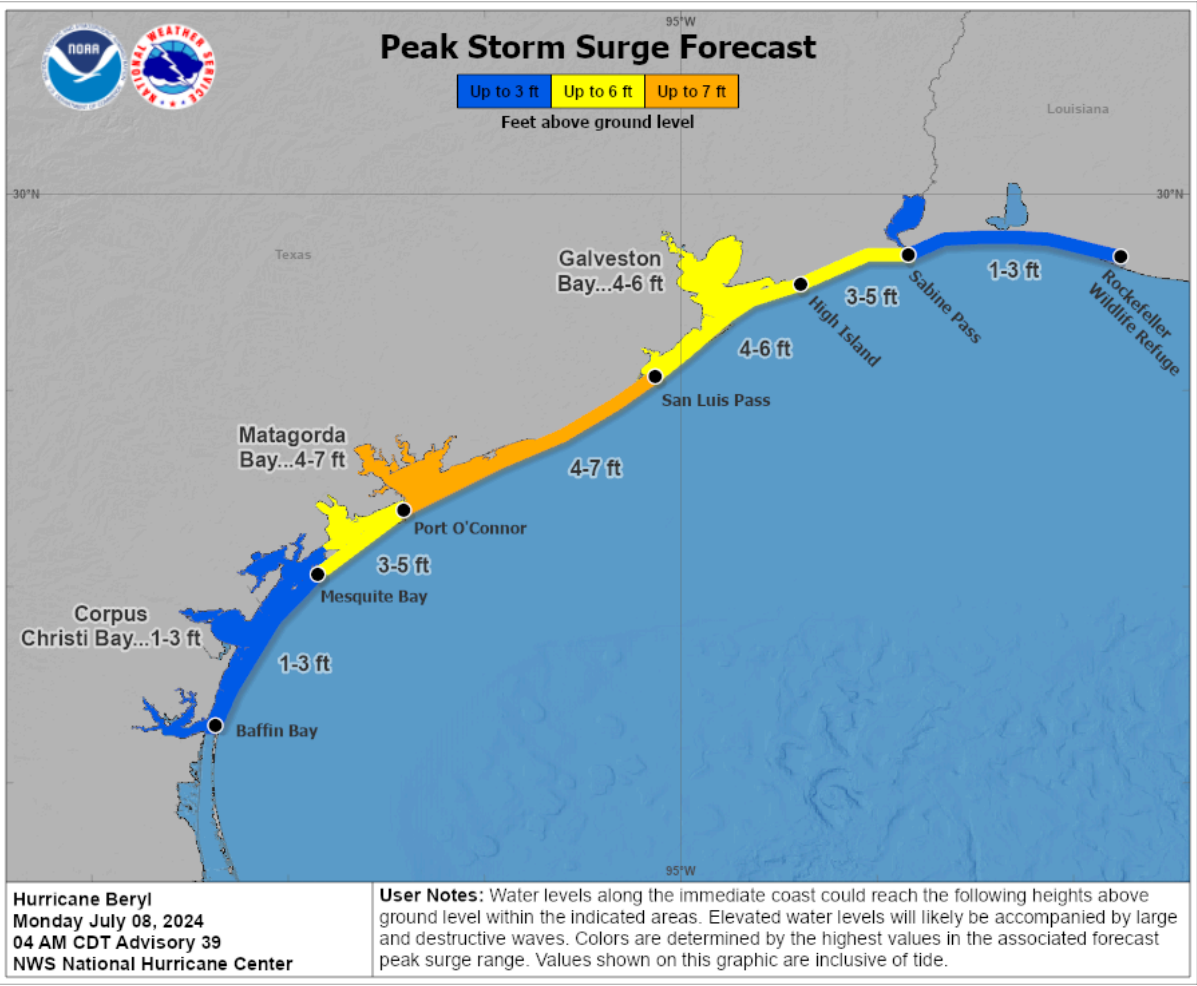
3. Considerable flash and urban flooding is expected today into tonight across portions of the middle and upper Texas Gulf Coast and eastern Texas. Minor to isolated major river flooding is also expected.

4. Rip currents will cause life-threatening beach conditions through Tuesday across much of the Gulf Coast. Beachgoers should heed warning flags and the advice of lifeguards and local officials before venturing into the water.



For more information go to [hurricanes.gov](https://hurricanes.gov)



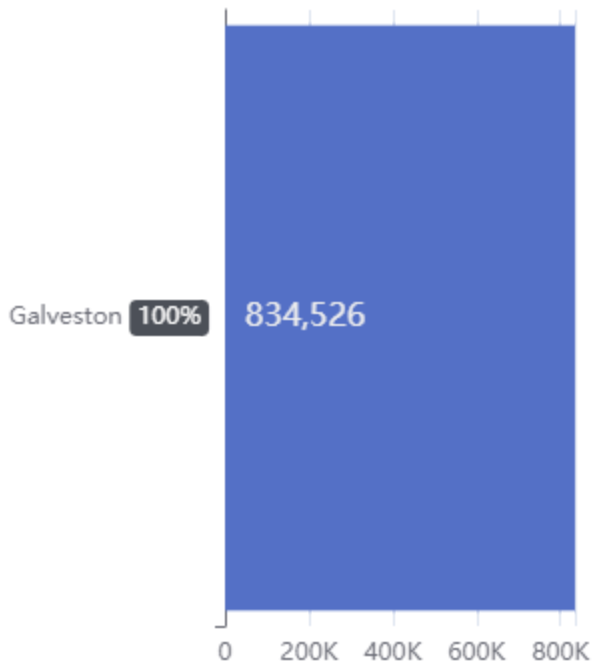




## Mission Model Summary

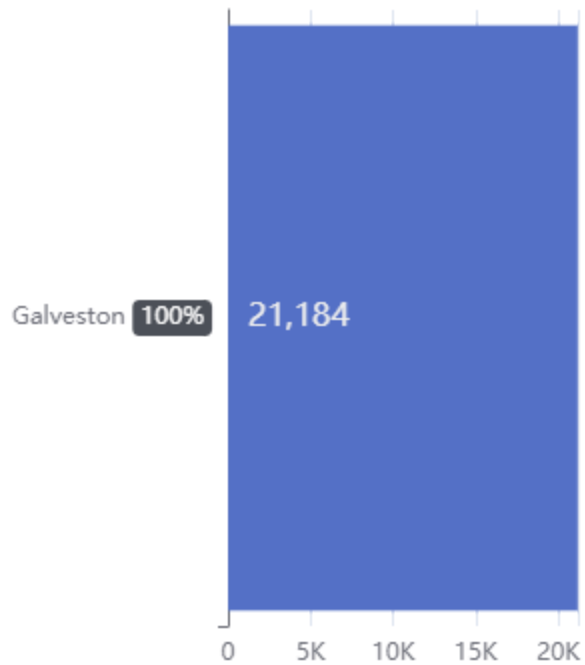
### 834,526 Cubic Yards

Total Debris By USACE District



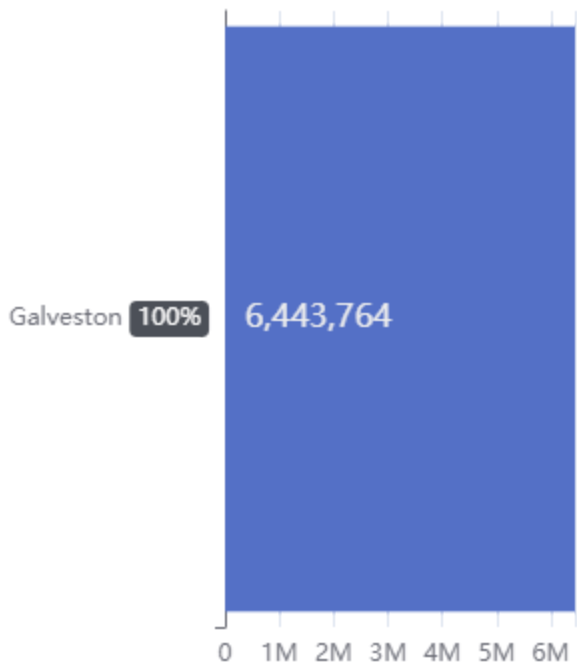
### 21,184 Units

Total Estimated Roofing By USACE District



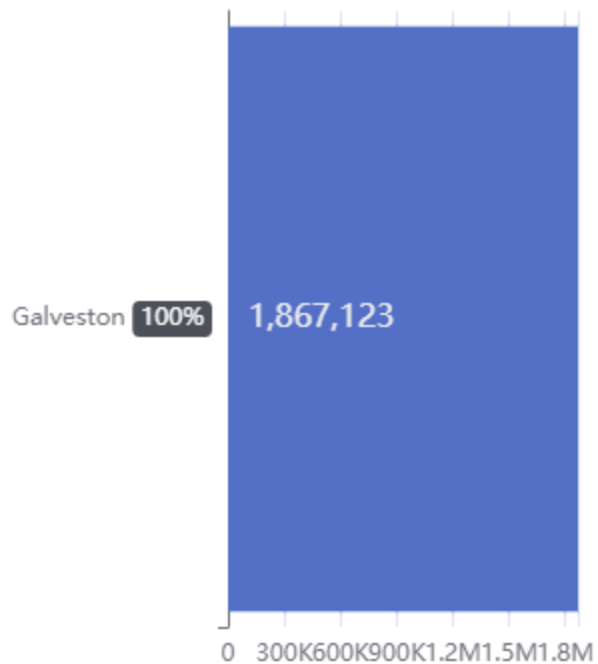
### 6,443,764 People

Total Population By USACE District



### 1,867,123 Households

Total Households By USACE District

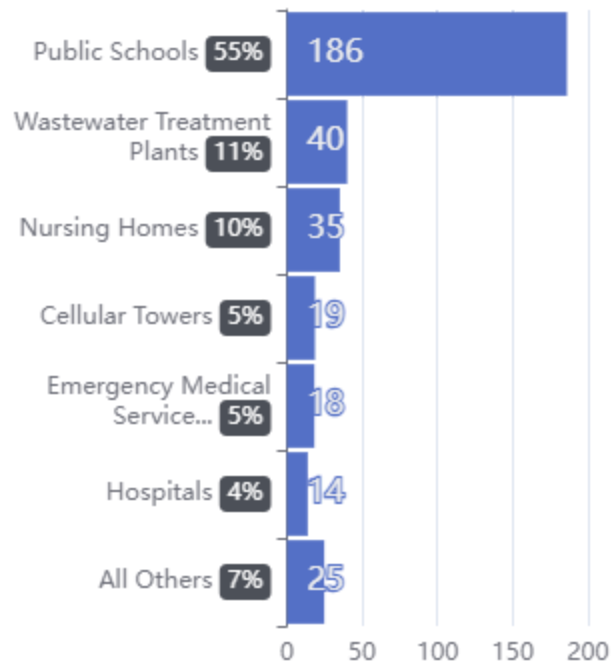


## Critical Infrastructure Summary



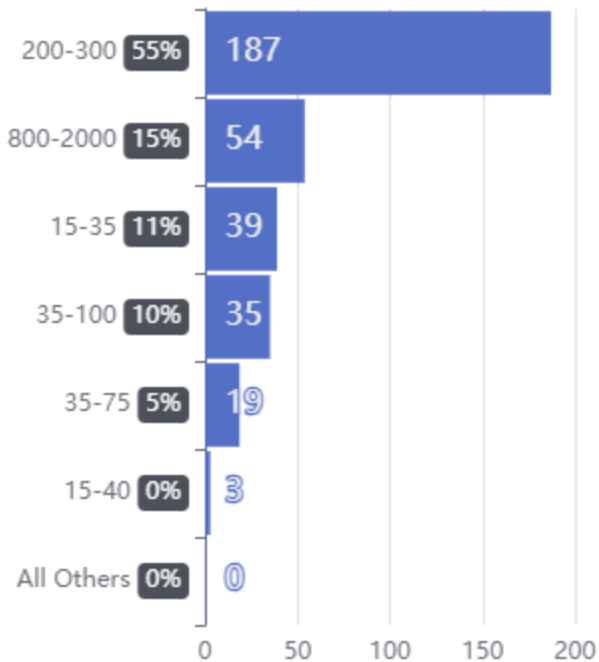
### Generators

#### By Generator Count



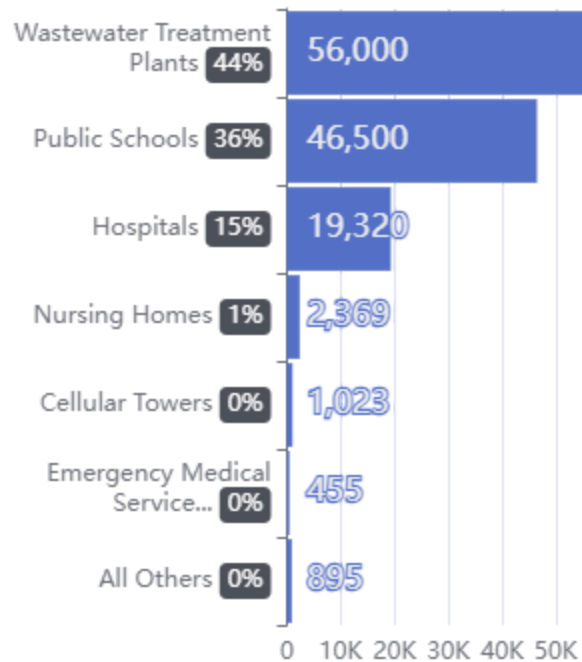
### Generators

#### By Range



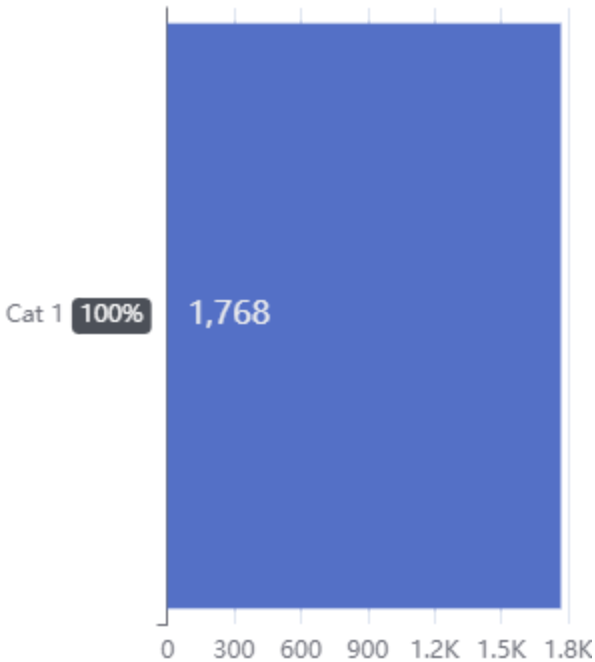
### Generators

#### By Power Requirement (KW)



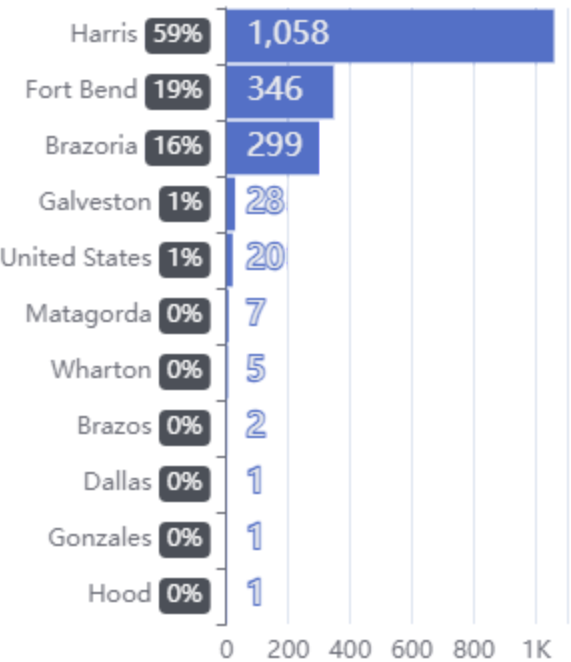
Structures

By Intensity



Structures

By County

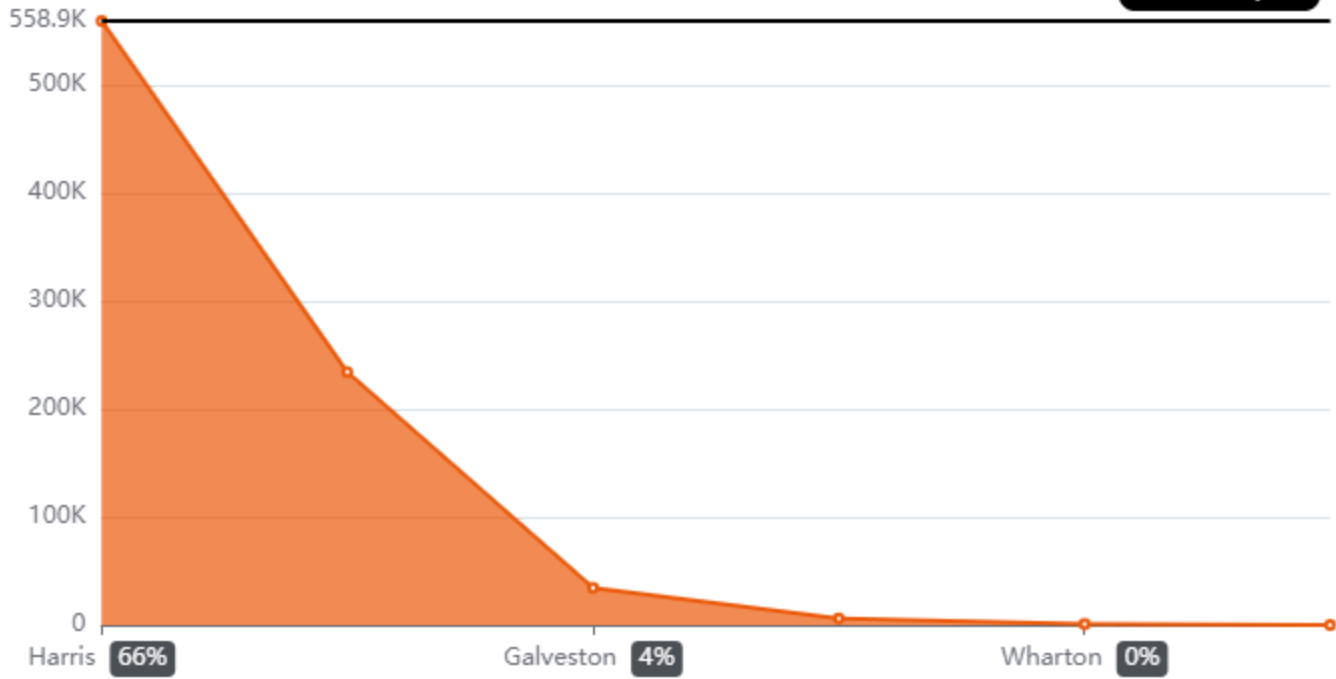


# Debris

834,526 Cubic Yards

Total Debris by County

MAX: 558,886

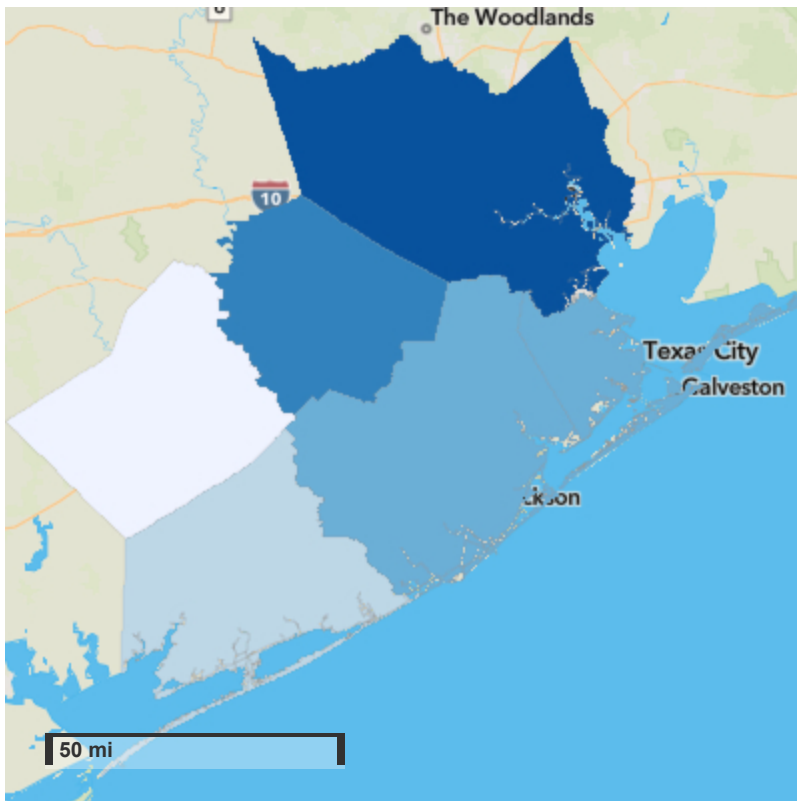
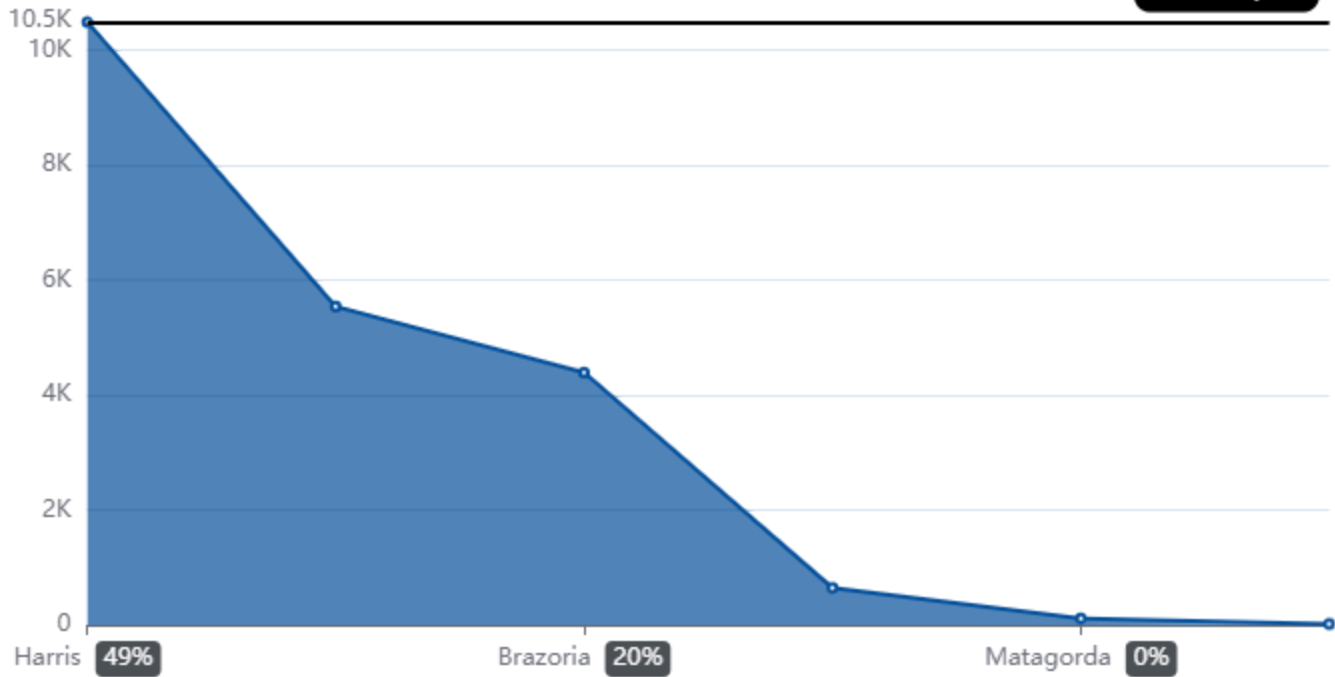


## Estimated Temporary Roofing

**21,184 Units**

Total Estimated Roofing by County

**MAX: 10,479**



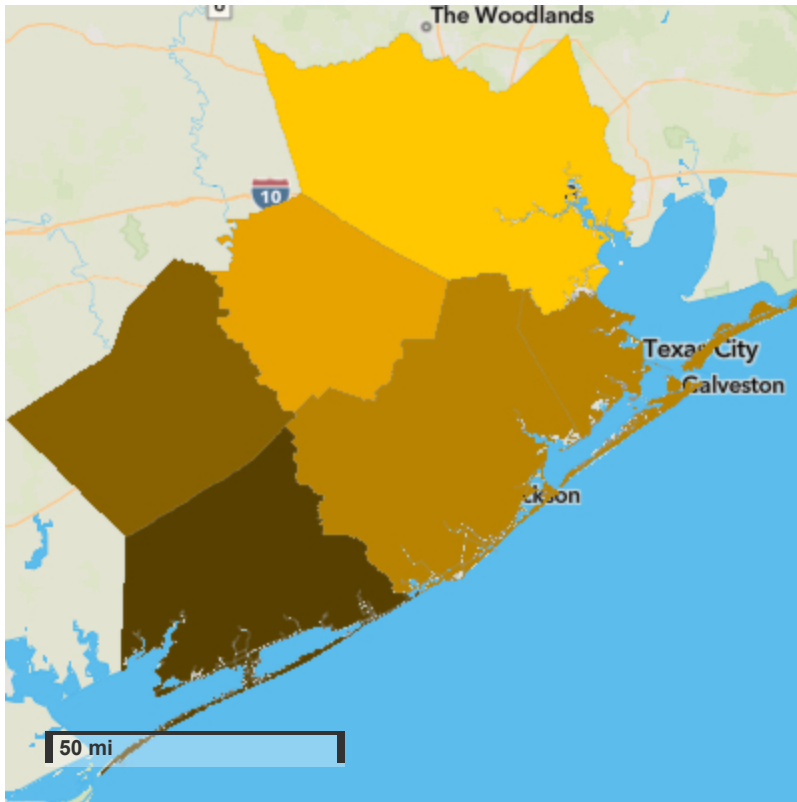
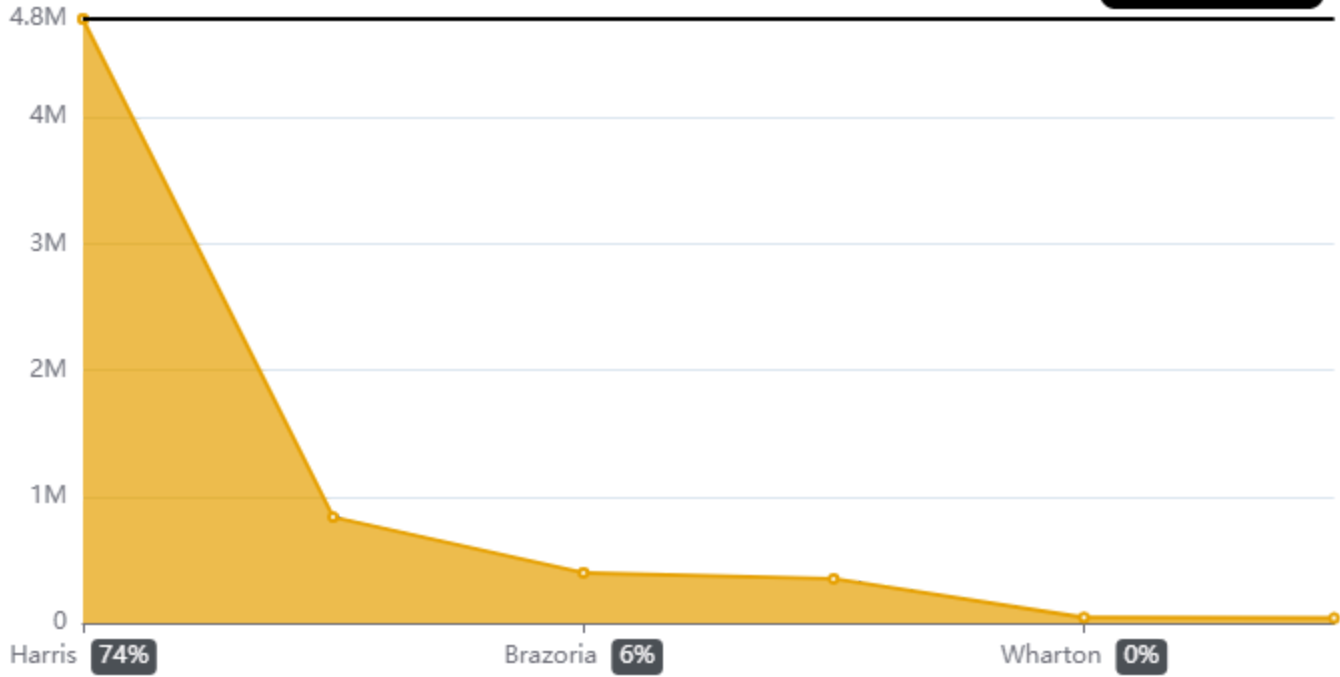
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## Population

6,443,764 People

Total Population by County

MAX: 4,778,365



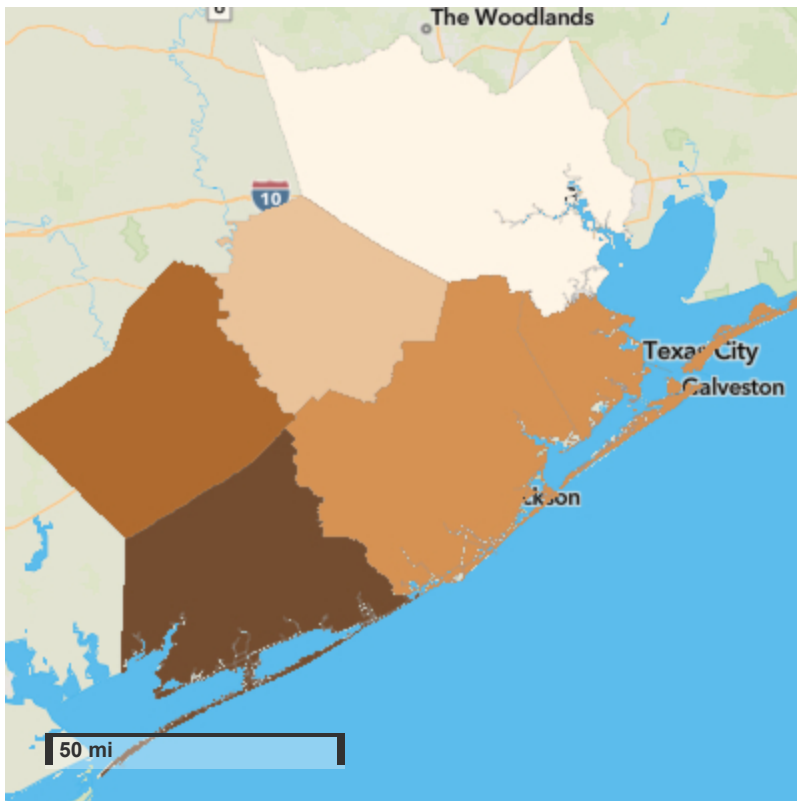
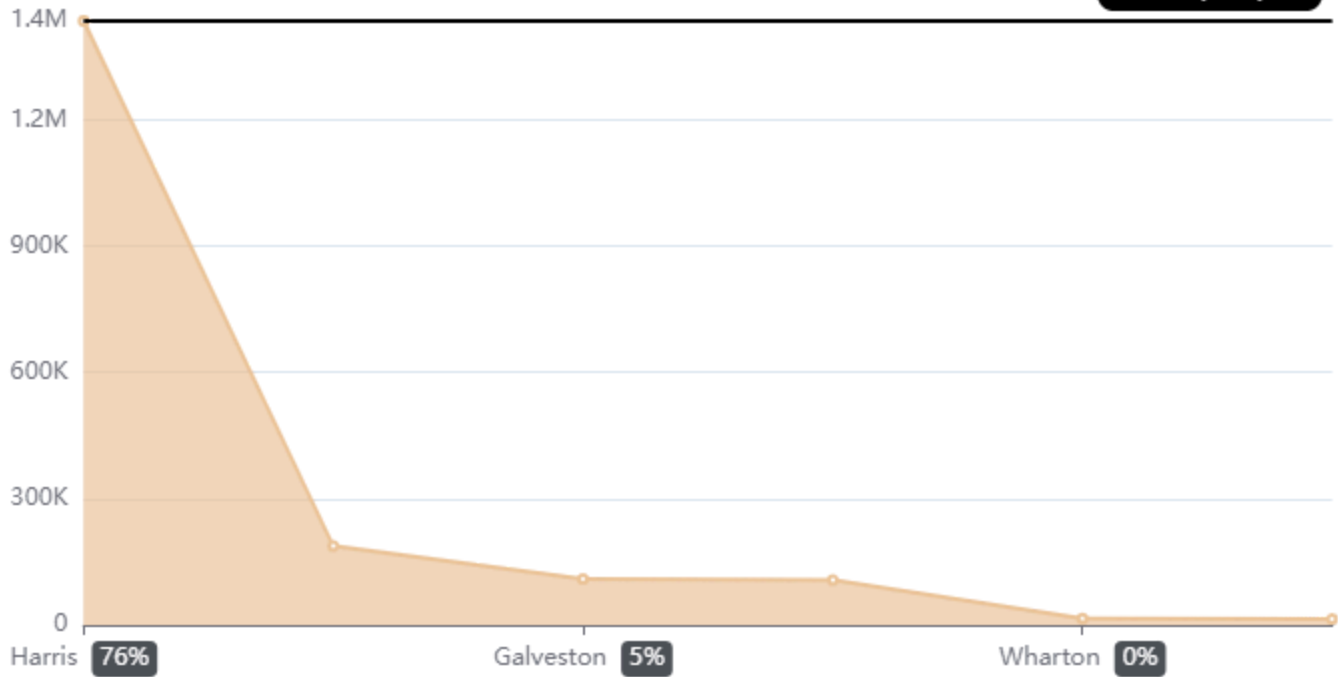
No legend

# Households

1,867,123 Households

Total Households by County

MAX: 1,435,155



No legend

## Poverty Level

County	Cat	Pop. below Federal poverty line	% Population
Brazoria County	1	27,271	8
Harris County	1	737,681	16
Matagorda County	1	7,798	22
Wharton County	1	5,998	15
Fort Bend County	1	57,188	7
Galveston County	1	37,987	11



# Social Vulnerability Index

Possible scores range from 0 (lowest vulnerability) to 1 (highest vulnerability).

County	Cat	Overall SVI Score
Galveston	1	0.585
Wharton	1	0.876
Matagorda	1	0.907
Harris	1	0.724
Brazoria	1	0.513
Fort Bend	1	0.287