



## Hurricane Beryl - Advisory #39

For planning purposes only!

WASHINGTON, DC

06:31

Jul 8, 2024

CHICAGO

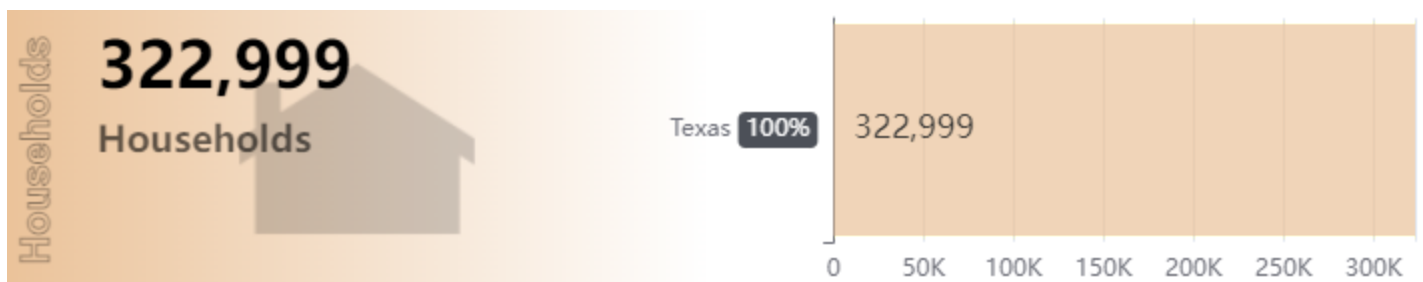
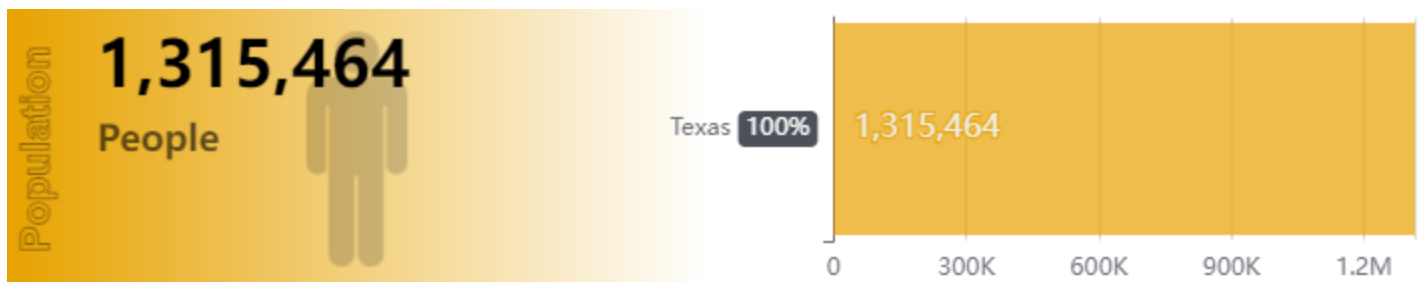
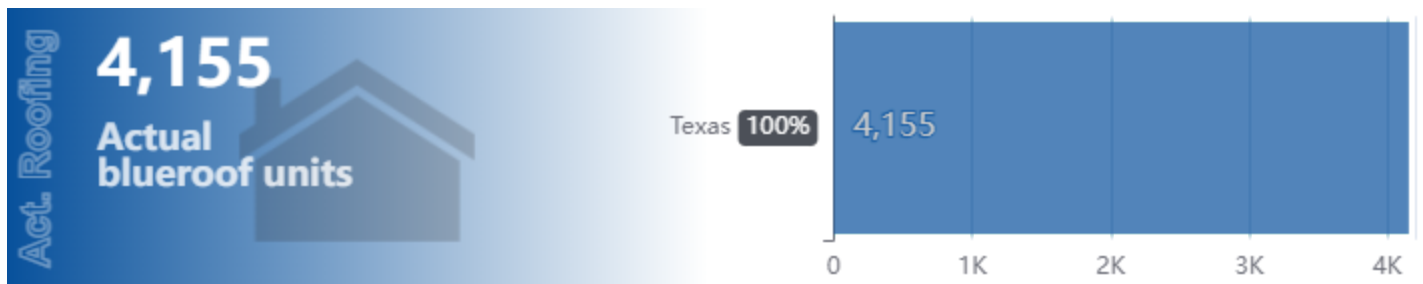
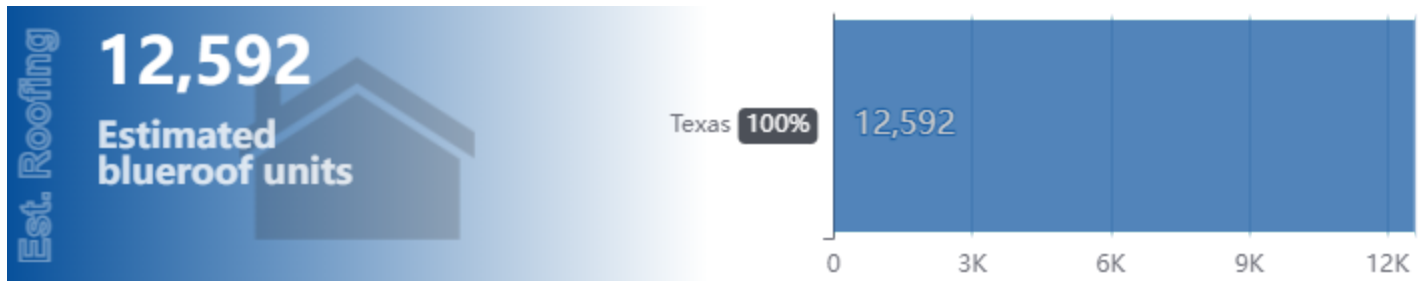
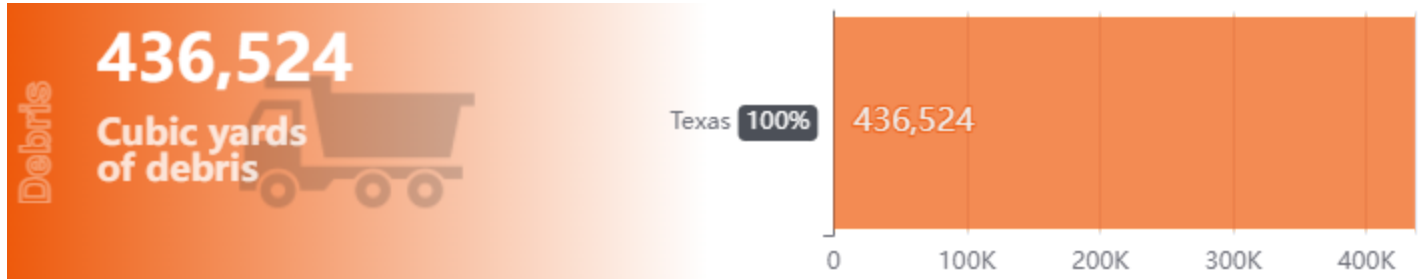
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Jul 8, 2024

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  
4 counties

Debris (cu.yds.)	436,524
Roofing Est. (units)	12,592
Roofing Act. (units)	4,155
Population	1,315,464
Households	322,999

POPULATION DISTRIBUTION

Centroid Swath	Population
TS (1)	42,748
Cat 1 (3)	1,272,716

TEXAS

Name	Debris (cu.yds.)	Roofing Est. (units)	Roofing Act. (units)	Population	Households
Wharton	5,023	145	48	42,748	15,132
Matagorda	26,162	755	249	38,570	13,894
Fort Bend	266,575	7,690	2,538	836,775	187,384
Brazoria	138,764	4,003	1,321	397,371	106,589

# Critical Infrastructure Results

## SUMMARY

### 311 facilities

<b>Power required (KW)</b>	26,208
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## COMMUNICATIONS

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Cellular Towers (21)	13	35-75	693

## EDUCATION

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Public Schools (97)	29	200-300	7,275
Private Schools (13)	0	200-300	0
Colleges and Universities (1)	0	200-300	5

## EMERGENCY SERVICES

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
National Shelter System Facilities (36)	0	0-0	0
Fire Stations (29)	3	15-35	73
Emergency Medical Service (EMS) Stations (13)	1	15-35	33

## HEALTHCARE

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Nursing Homes (22)	3	35-100	223
Hospitals (5)	2	800-2000	2,100

## LAW ENFORCEMENT

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Law Enforcement Locations (29)	3	15-35	73

## POWER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Electric Power Generation Plants (7)	0	0-0	0

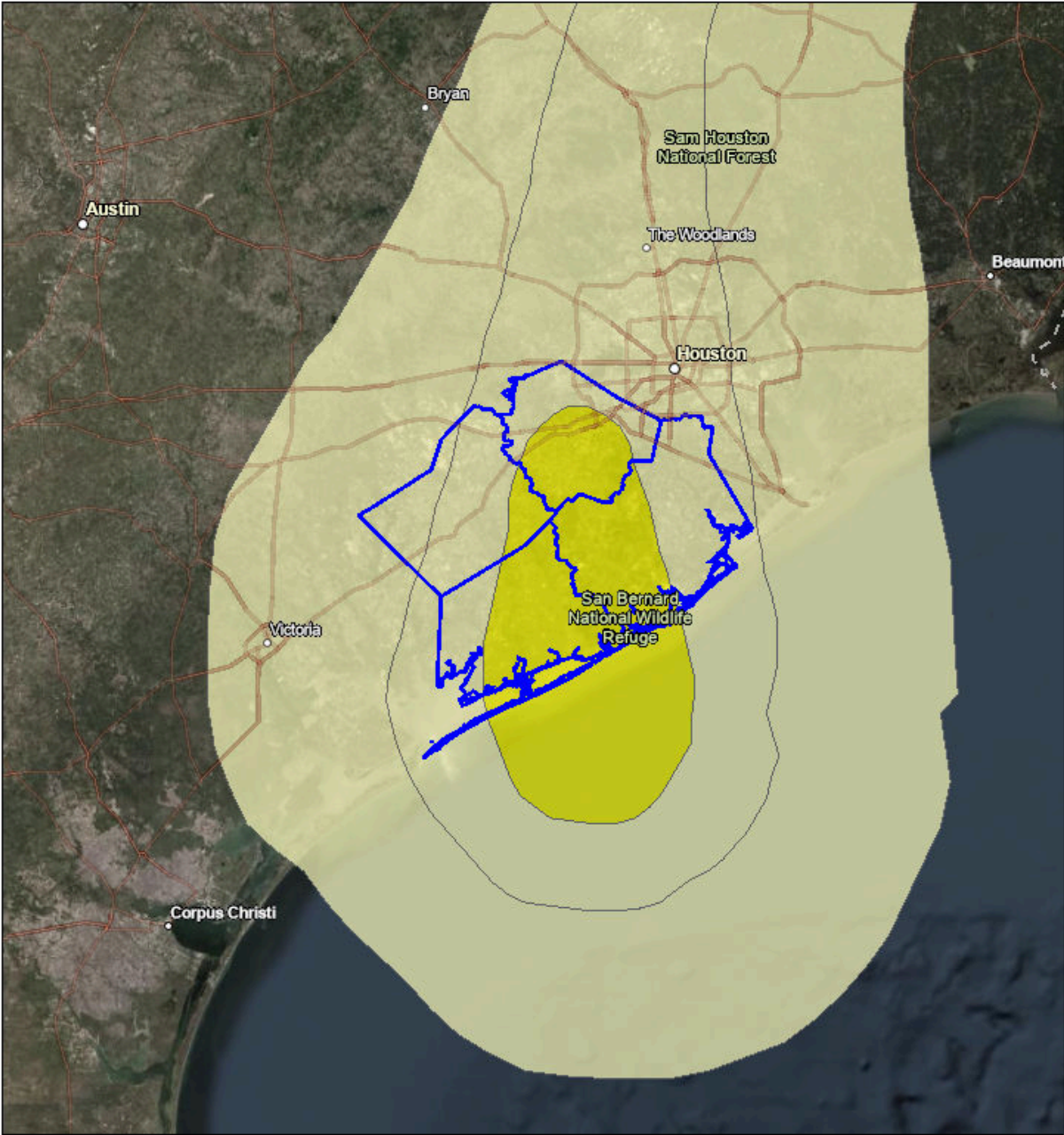
## STATE AND LOCAL EOCs

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Local Emergency Operations Centers (EOC) (10)	2	15-40	55

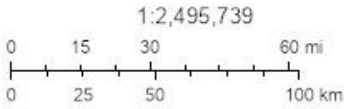
## WATER AND WASTEWATER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Wastewater Treatment Plants (28)	11	800-2000	15,680

Letter ANSI A Portrait



- Counties
- Mission Model Swaths
  - TS
  - Cat 1



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

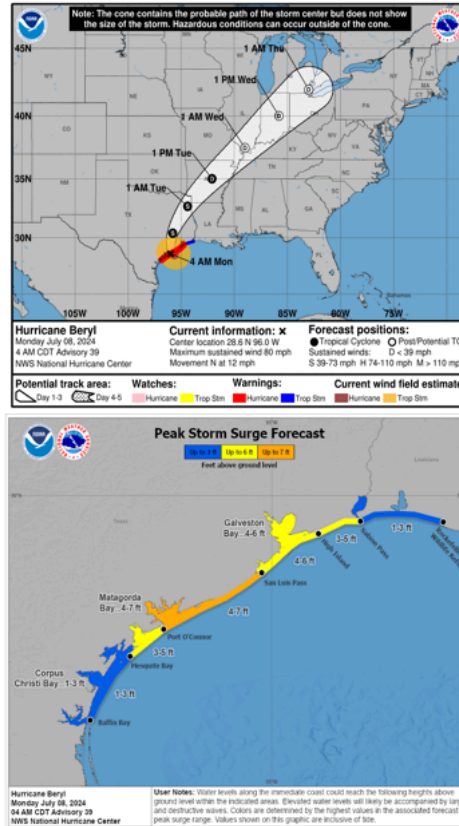


1. There is a continuing danger of life-threatening storm surge inundation along the coast of Texas from Mesquite Bay to Sabine Pass, including Matagorda Bay and Galveston Bay. Residents in those areas should follow any advice given by local officials.

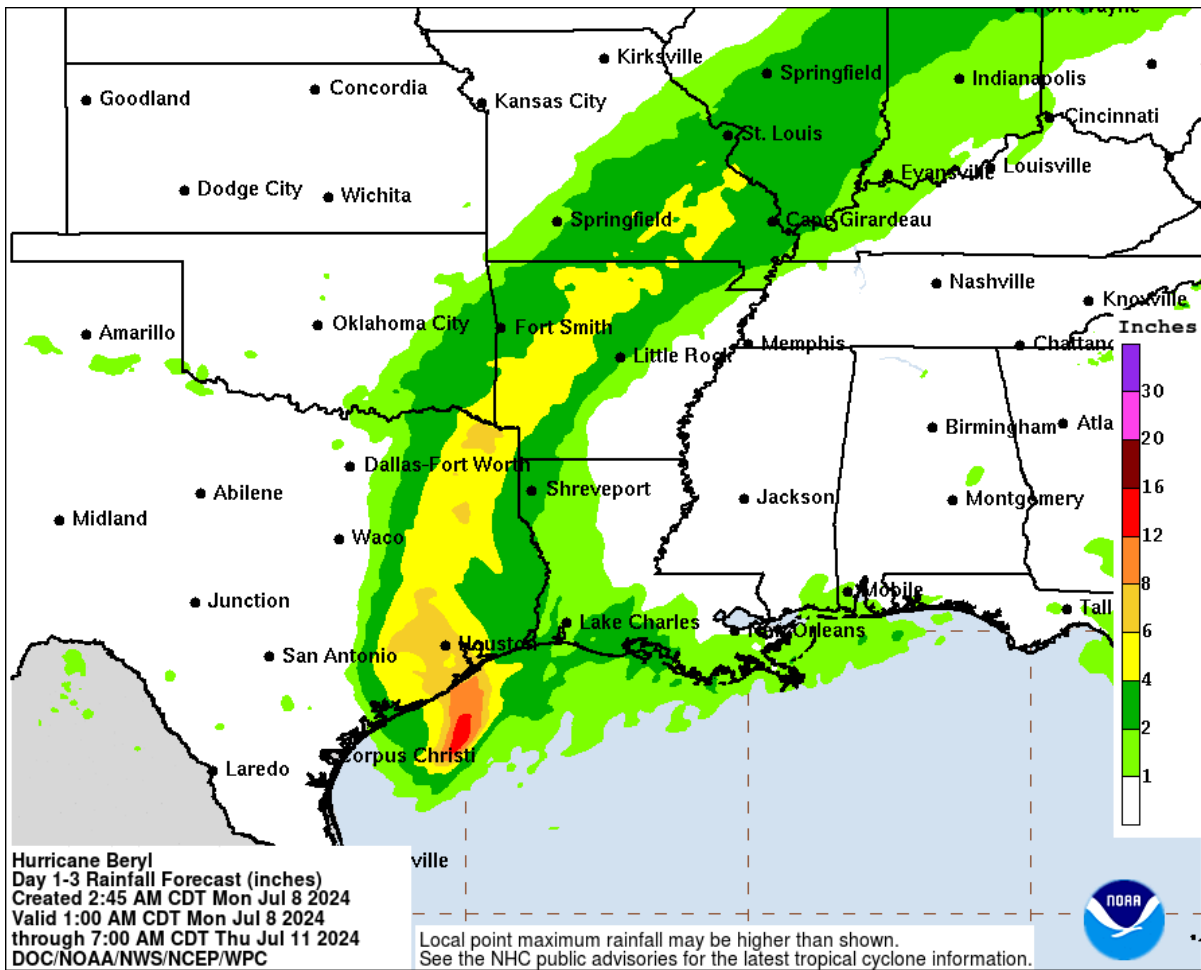
2. Beryl is bringing damaging hurricane-force winds to portions of the Texas coast this morning. A Hurricane Warning is in effect from Mesquite Bay to Port Bolivar.

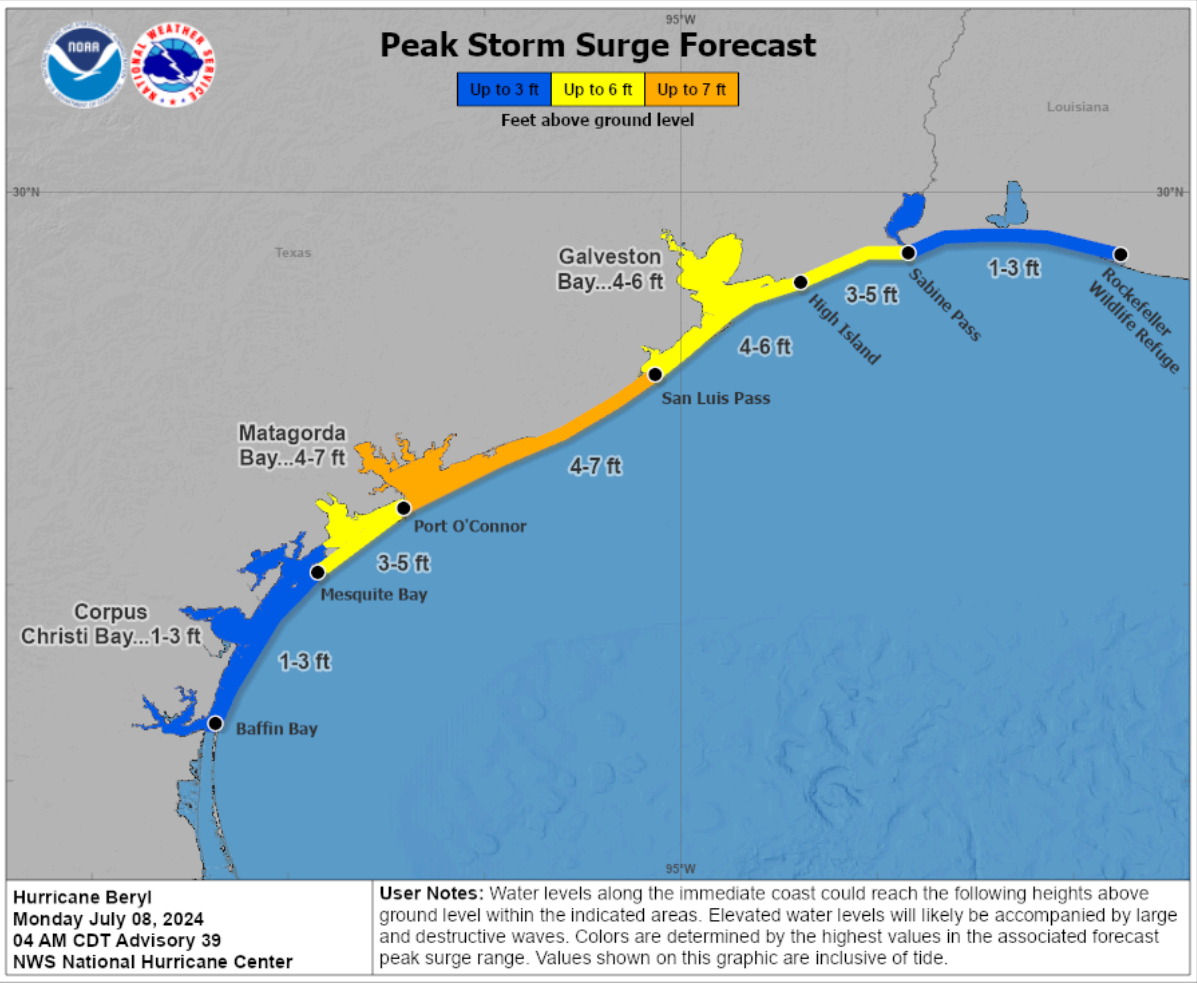
3. Considerable flash and urban flooding is expected today into tonight across portions of the middle and upper Texas Gulf Coast and eastern Texas. Minor to isolated major river flooding is also expected.

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)



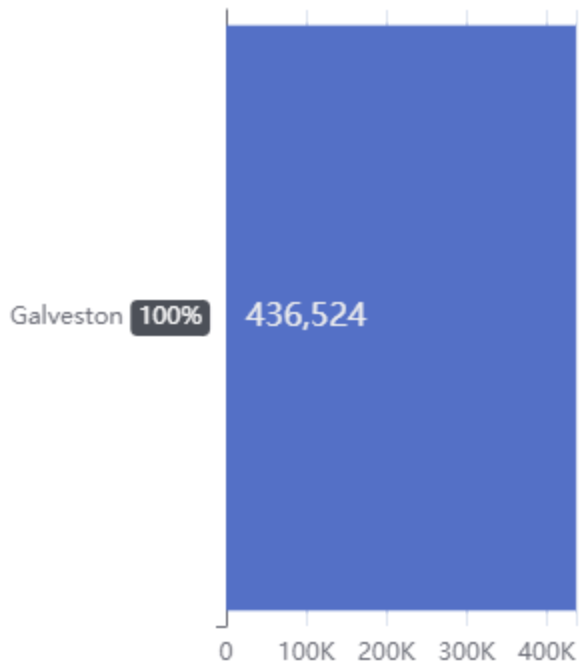




## Mission Model Summary

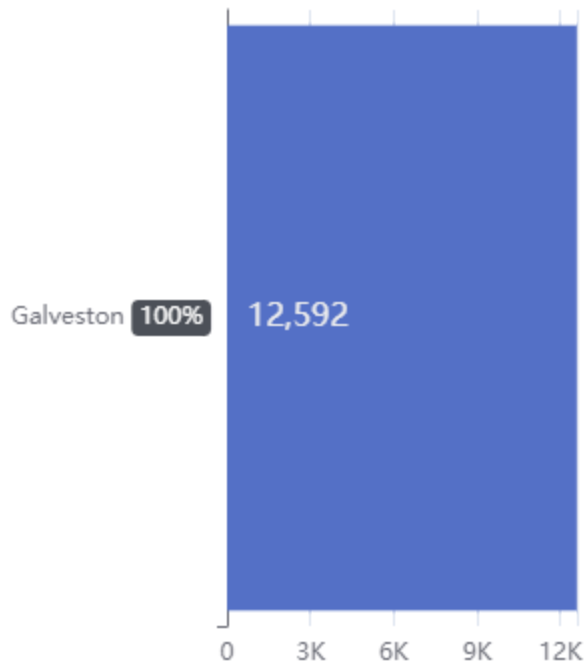
### 436,524 Cubic Yards

Total Debris By USACE District



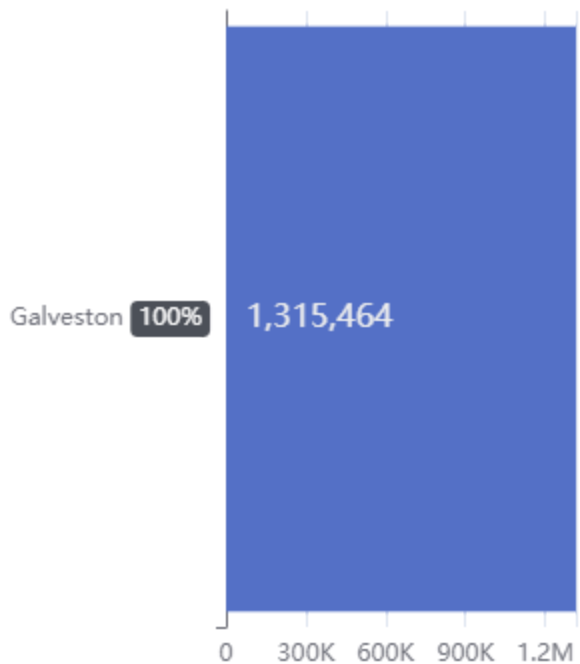
### 12,592 Units

Total Estimated Roofing By USACE District



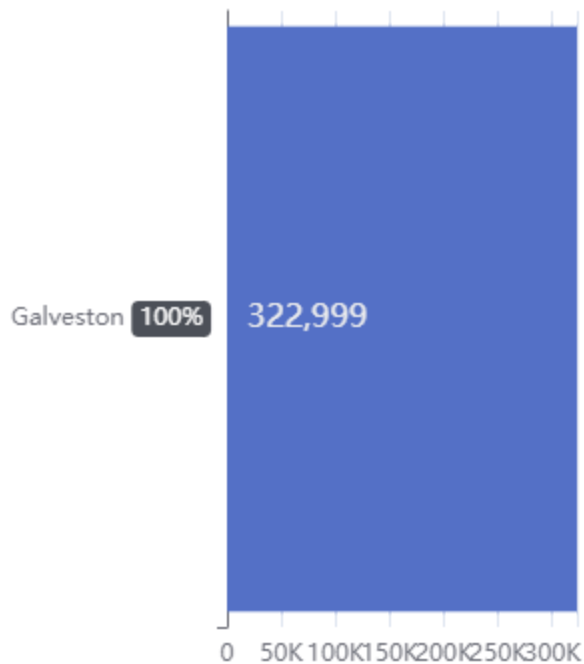
### 1,315,464 People

Total Population By USACE District



### 322,999 Households

Total Households By USACE District



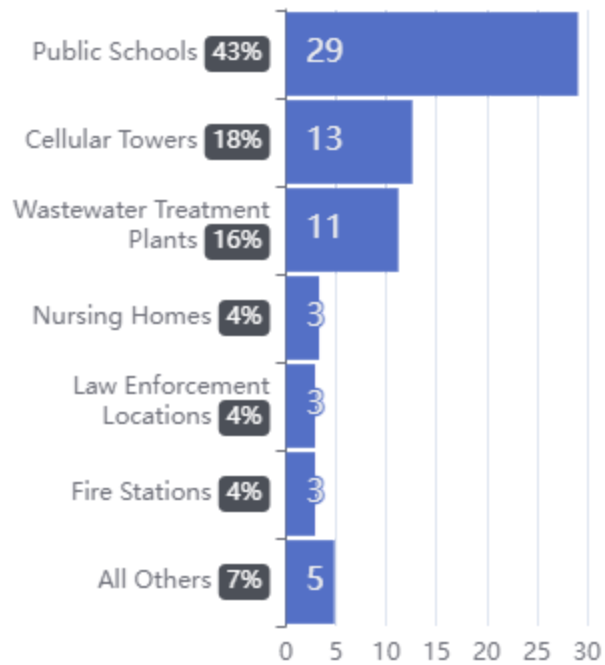


## Critical Infrastructure Summary



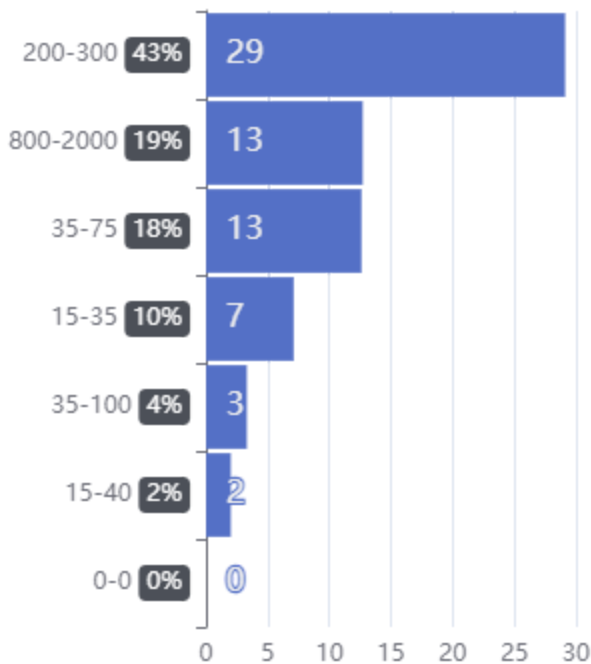
### Generators

#### By Generator Count



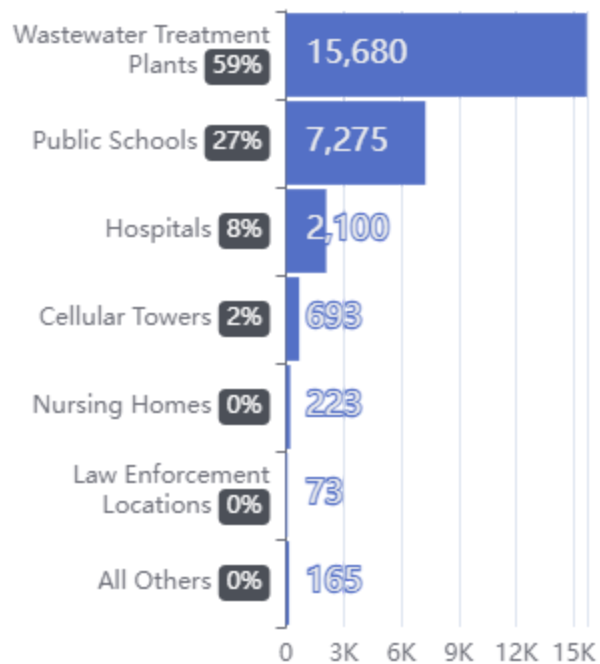
### Generators

#### By Range



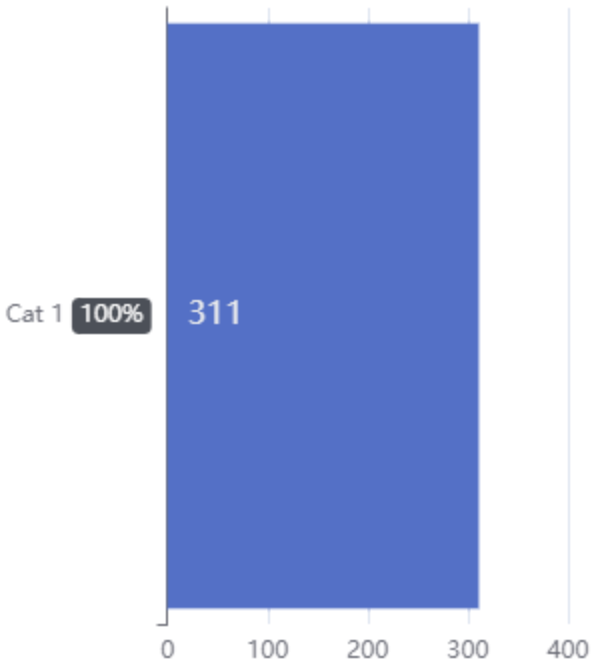
### Generators

#### By Power Requirement (KW)



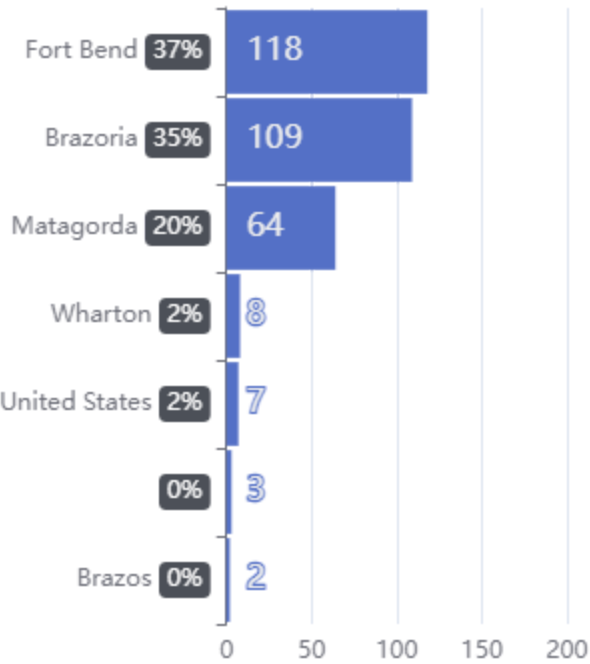
Structures

By Intensity



Structures

By County

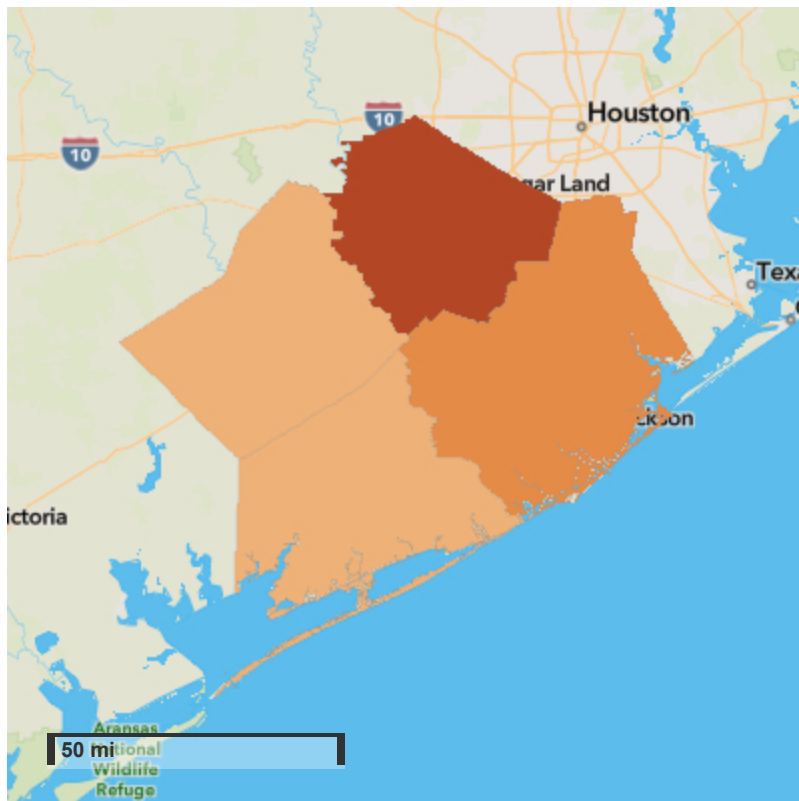
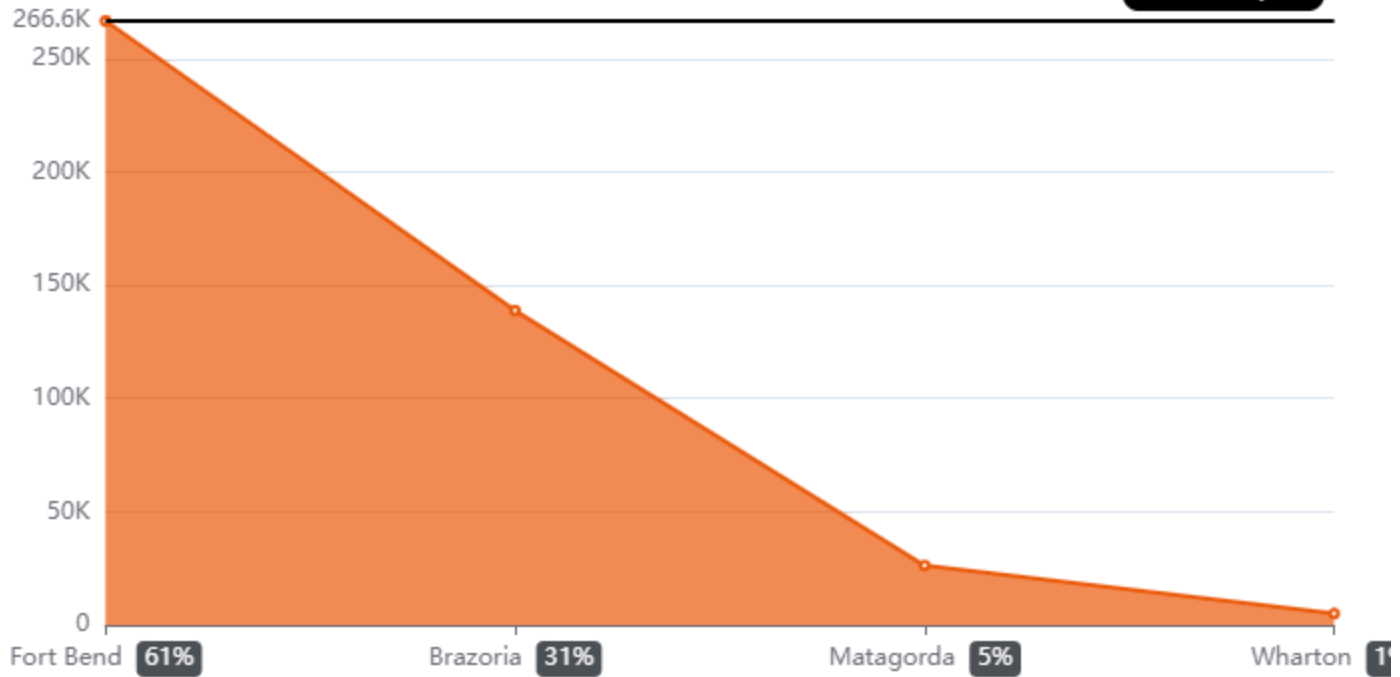


## Debris

### 436,524 Cubic Yards

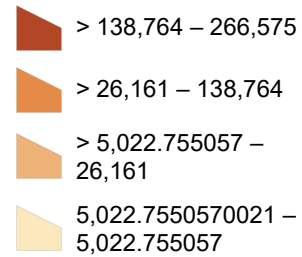
Total Debris by County

MAX: 266,575



#### Mission Models

Debris (cu.yds.)

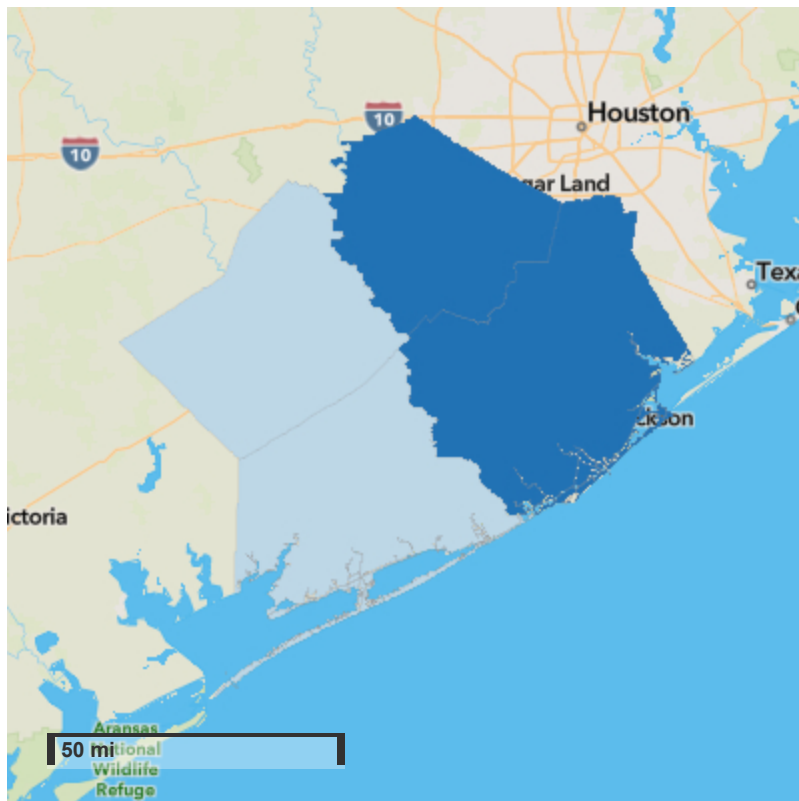
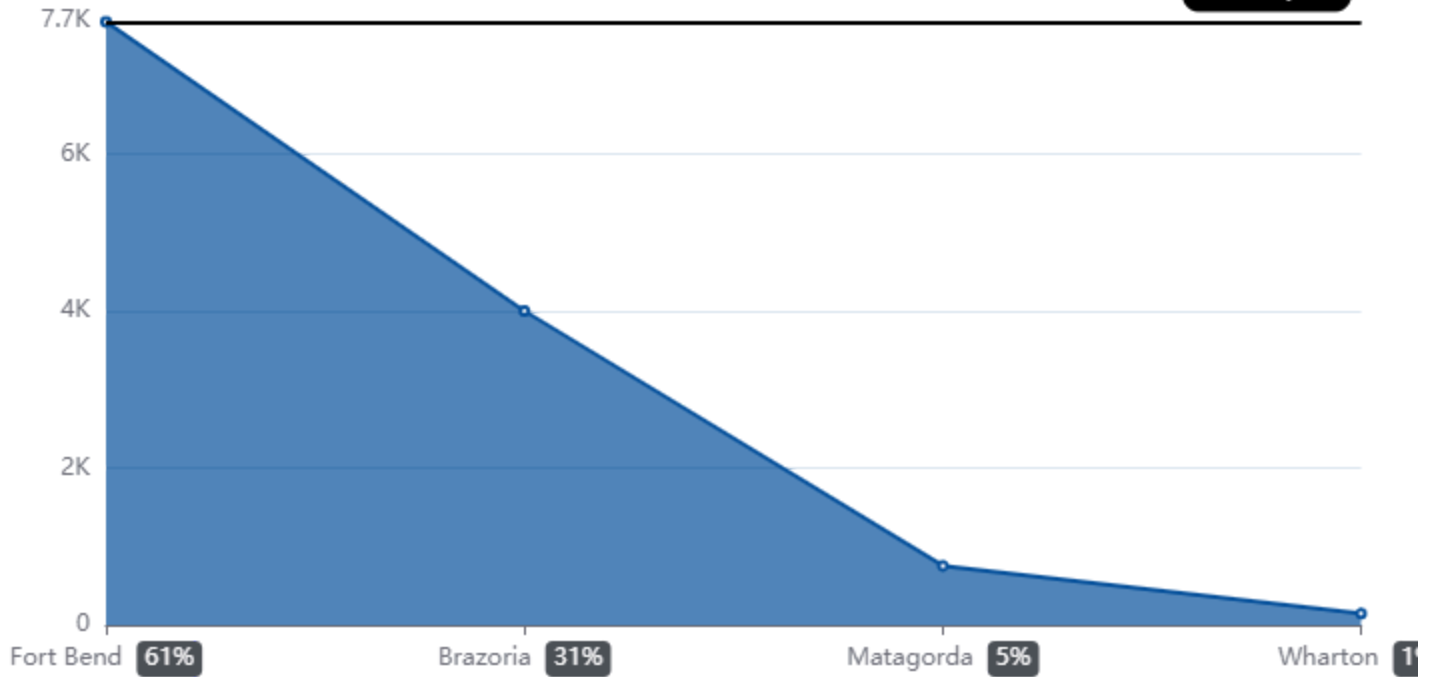


# Estimated Temporary Roofing

12,592 Units

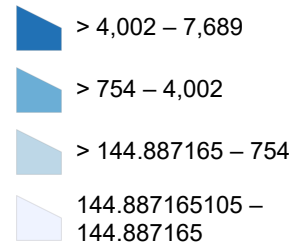
Total Estimated Roofing by County

MAX: 7,690



## Mission Models

Roofing Est. (units)

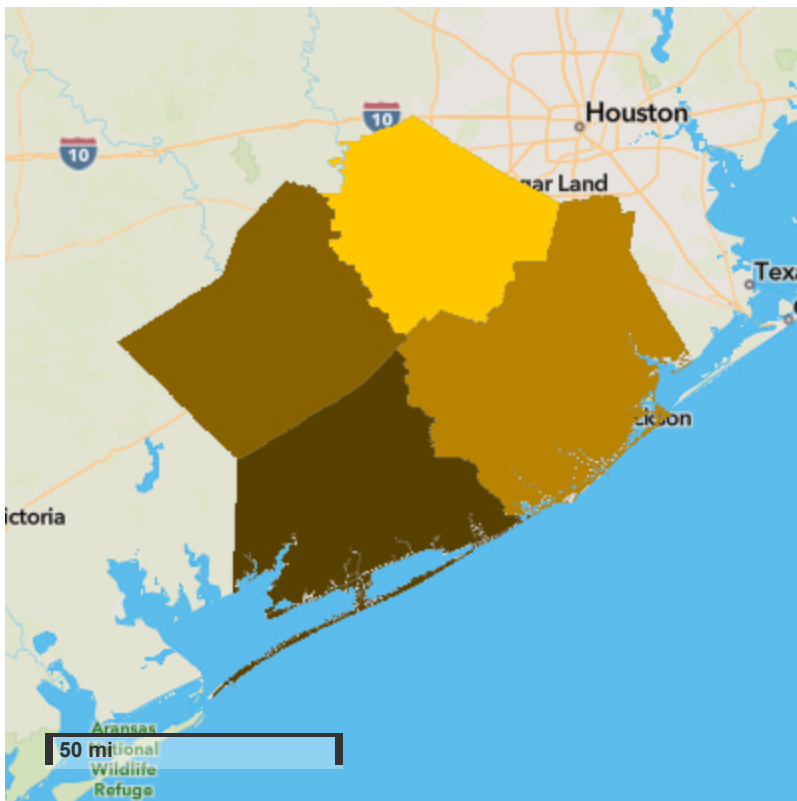
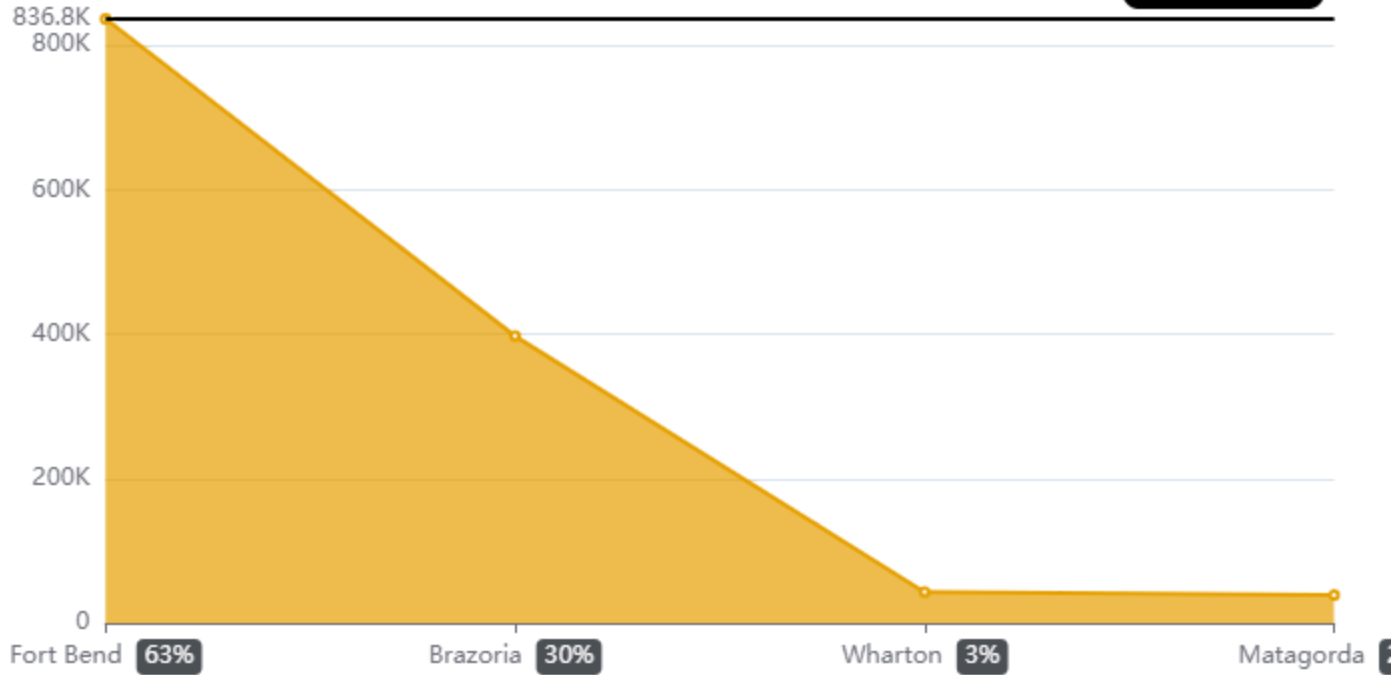


## Population

**1,315,464 People**

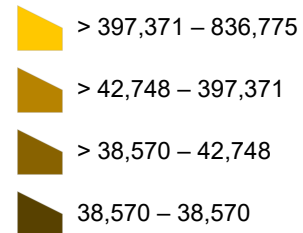
Total Population by County

**MAX: 836,775**



### Mission Models

Population

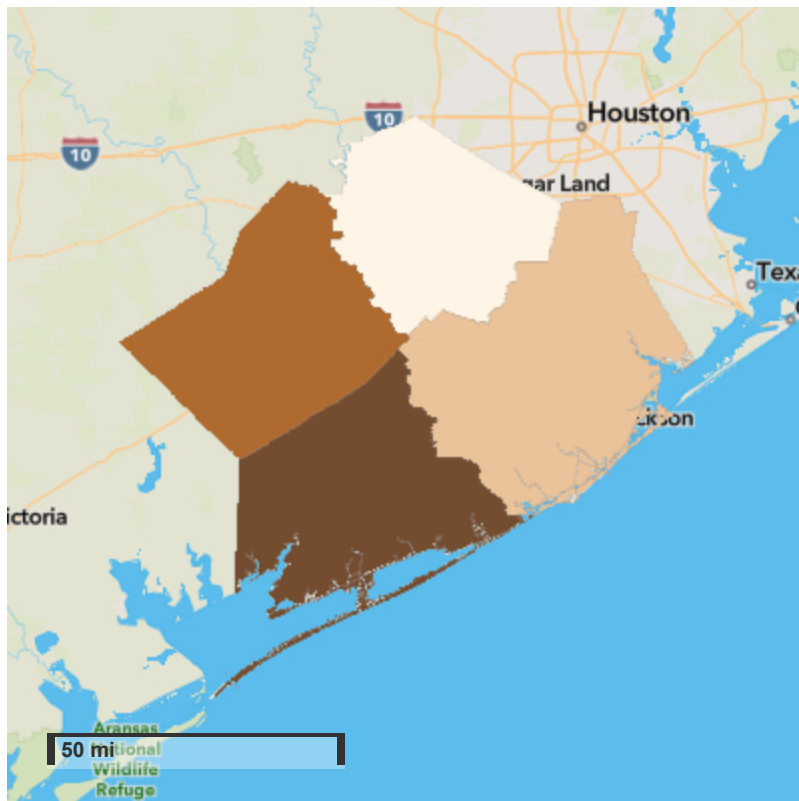
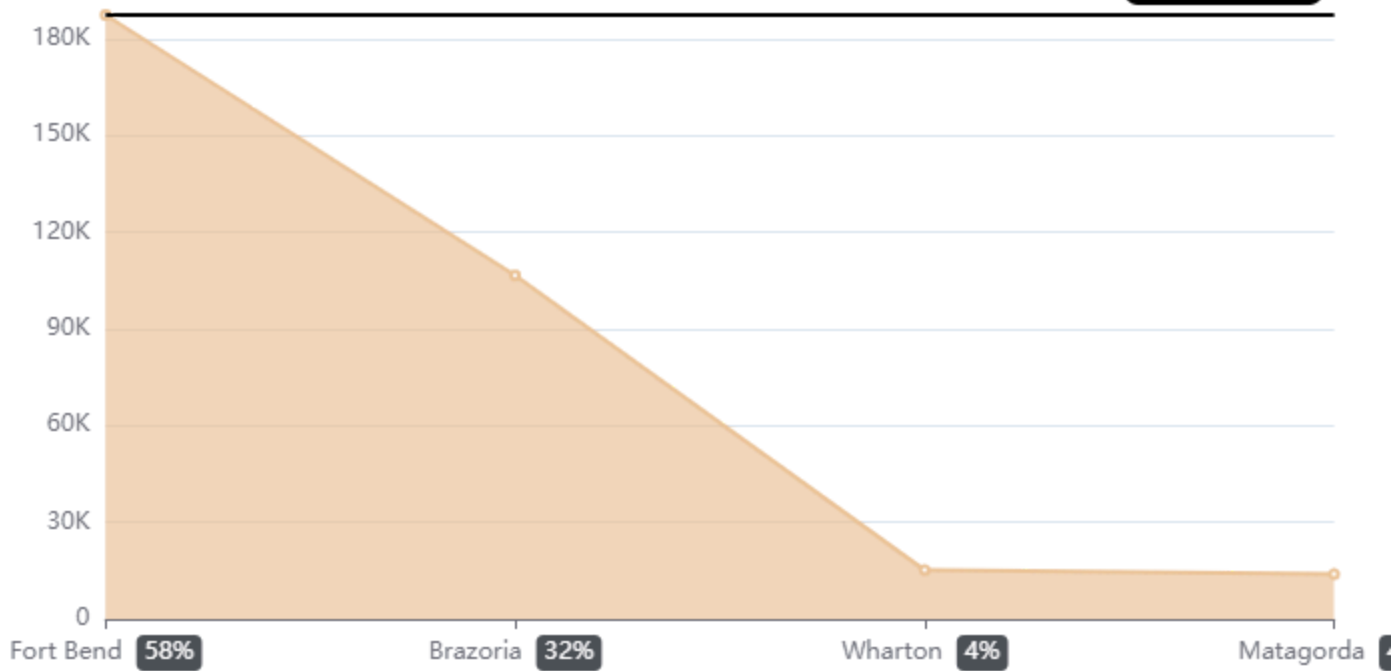


## Households

**322,999 Households**

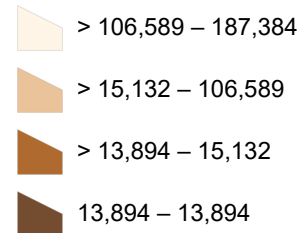
Total Households by County

**MAX: 187,384**



### Mission Models

Households



# Poverty Level

County	Cat	Pop. below Federal poverty line	% Population
Wharton County	1	5,998	15
Matagorda County	1	7,798	22
Brazoria County	1	27,271	8
Fort Bend County	1	57,188	7



# Social Vulnerability Index

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

County	Cat	Overall SVI Score
Wharton	1	0.876
Matagorda	1	0.907
Brazoria	1	0.513
Fort Bend	1	0.287