Hurricane Beryl - Advisory #32

For planning purposes only!

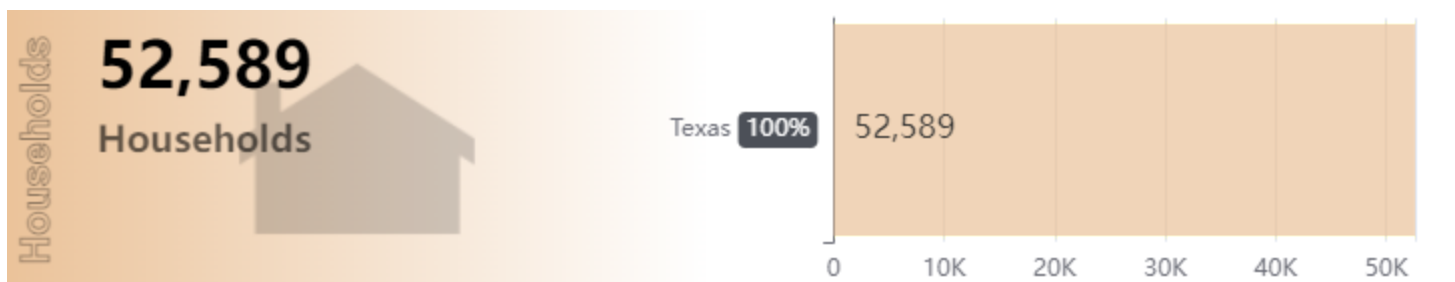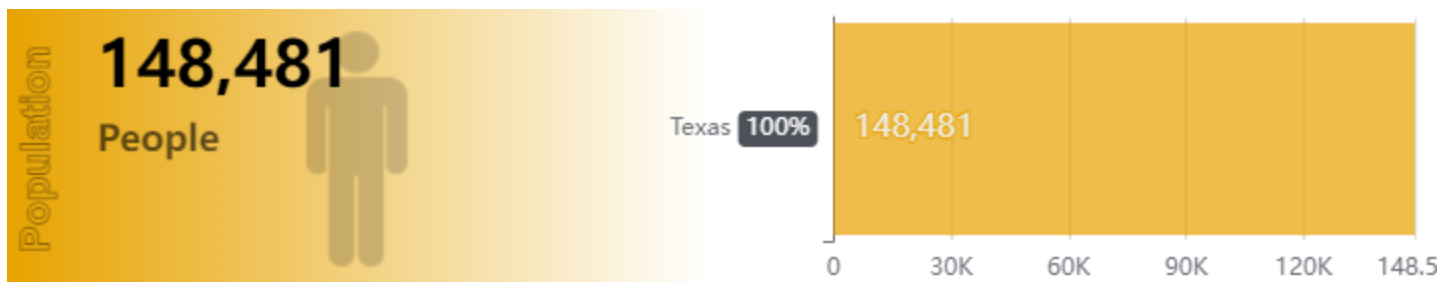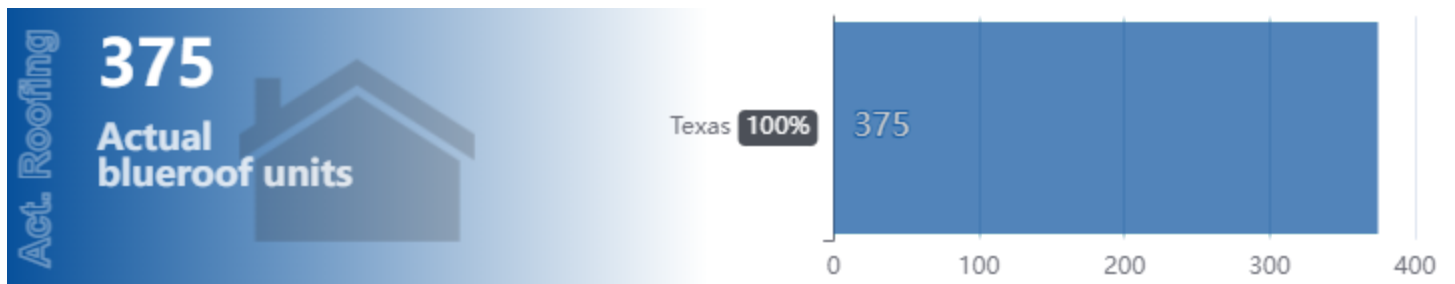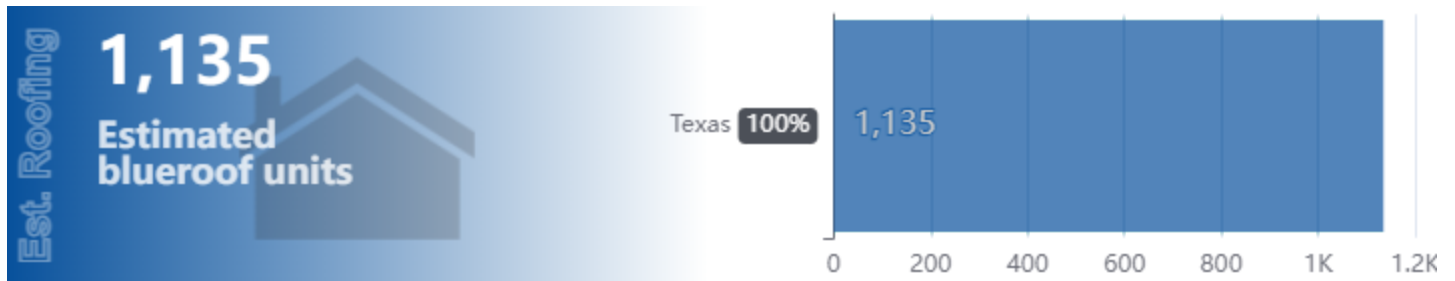| WASHINGTON, DC	CHICAGO	LOS ANGELES
11:34	**10:34**	**08:34**
Jul 6, 2024	Jul 6, 2024	Jul 6, 2024

Debris

39,346 Cubic yards of debris

Texas **100%** — 39,346

(axis: 0, 10K, 20K, 30K, 39.4l)

Est. Roofing

1,135 Estimated blueroof units

Texas **100%** — 1,135

(axis: 0, 200, 400, 600, 800, 1K, 1.2K)

Act. Roofing

375 Actual blueroof units

Texas **100%** — 375

(axis: 0, 100, 200, 300, 400)

Population

148,481 People

Texas **100%** — 148,481

(axis: 0, 30K, 60K, 90K, 120K, 148.5)

Households

52,589 Households

Texas **100%** — 52,589

(axis: 0, 10K, 20K, 30K, 40K, 50K)
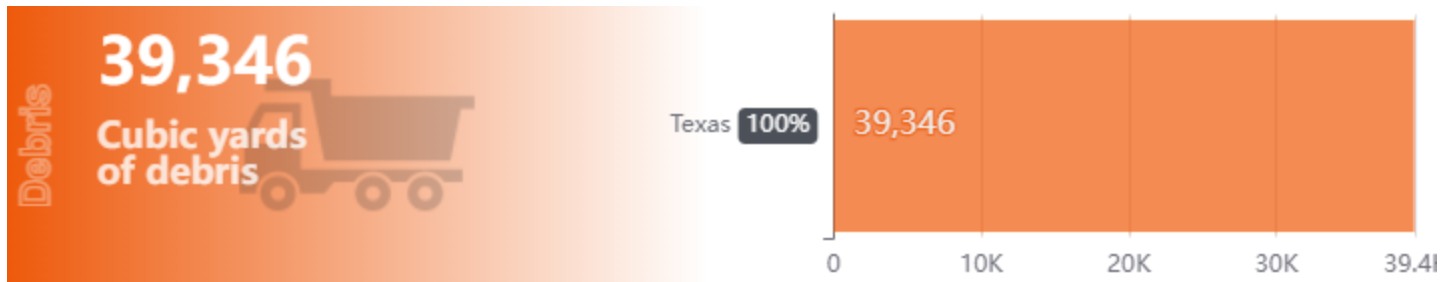
Mission Model Results

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.)	39,346
Roofing Est. (units)	1,135
Roofing Act. (units)	375
Population	148,481
Households	52,589

POPULATION DISTRIBUTION

Centroid Swath	Population
TS (2)	100,050
Cat 1 (2)	48,431

TEXAS

Name	Debris (cu.yds.)	Roofing Est. (units)	Roofing Act. (units)	Population	Households
Victoria	11,451	330	109	92,806	32,187
Refugio	1,629	47	16	7,244	2,841
Calhoun	14,854	428	141	22,596	7,766
Aransas	11,412	329	109	25,835	9,795

Critical Infrastructure Results

SUMMARY
57 facilities

Power required (KW)	3,064

COMMUNICATIONS

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Cellular Towers (12)	7	35-75	396

EDUCATION

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Public Schools (14)	4	200-300	1,050
Private Schools (1)	0	200-300	0

EMERGENCY SERVICES

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Fire Stations (6)	1	15-35	15
Emergency Medical Service (EMS) Stations (5)	1	15-35	13

HEALTHCARE

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Nursing Homes (2)	0	35-100	20
Hospitals (1)	0	800-2000	420

LAW ENFORCEMENT

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Law Enforcement Locations (10)	1	15-35	25

POWER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Electric Power Generation Plants (3)	0	0-0	0

STATE AND LOCAL EOCS

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Local Emergency Operations Centers (EOC) (1)	0	15-40	6

WATER AND WASTEWATER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Wastewater Treatment Plants (2)	1	800-2000	1,120

Letter ANSI A Portrait

1:2,495,739

Counties

Mission Model Swaths

TS

Cat 1
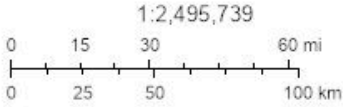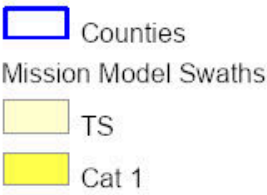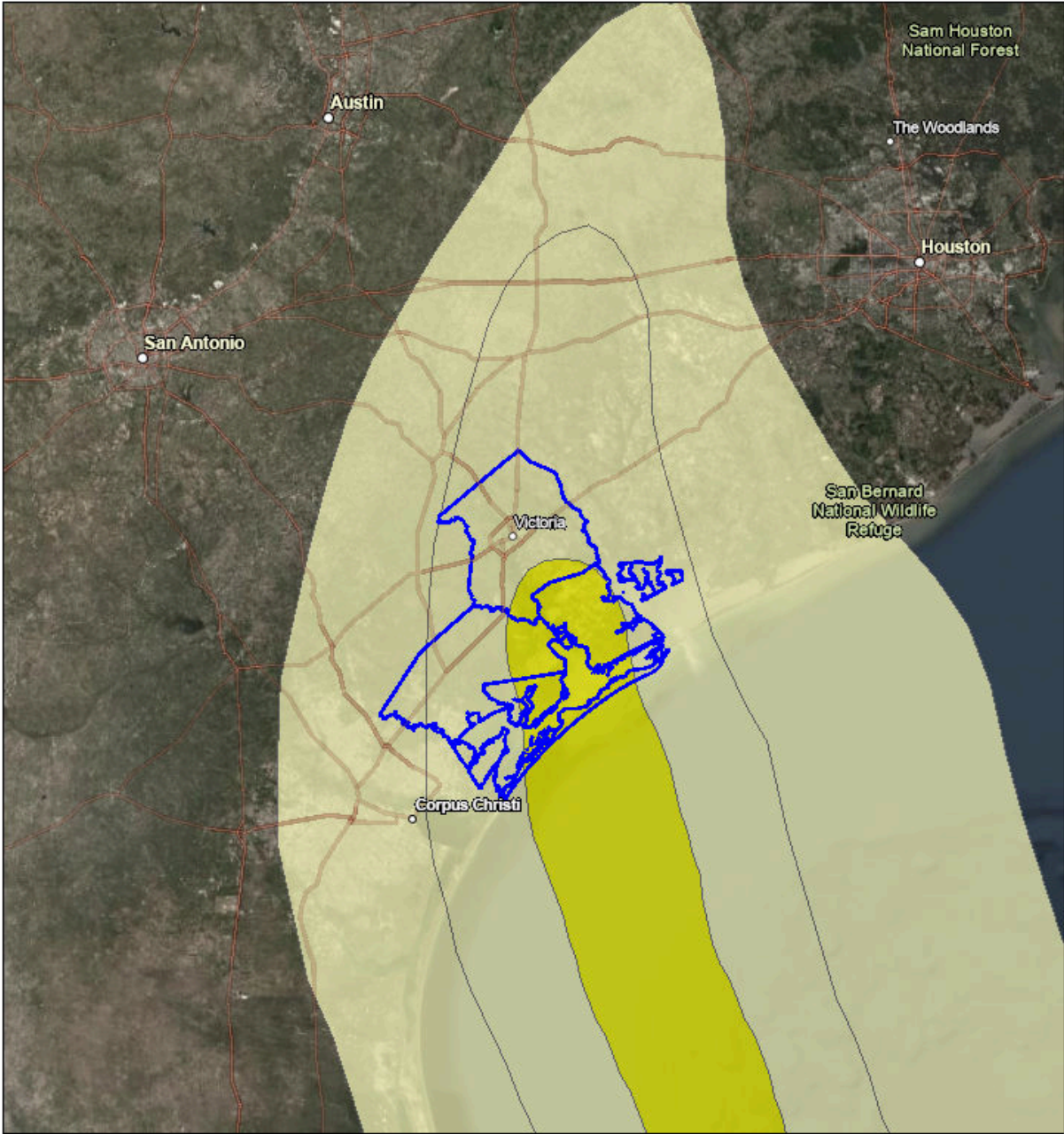
Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, FAO, NOAA, USGS, EPA, NPS, USFWS, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Created by SimSuite
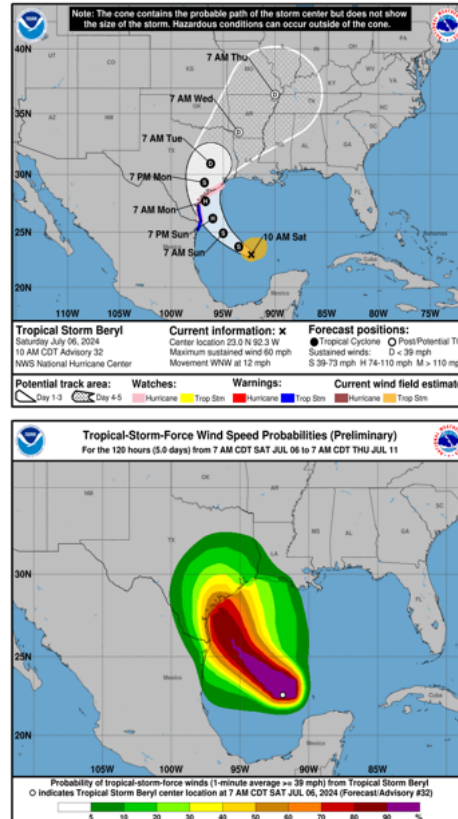
Key Messages for Tropical Storm Beryl
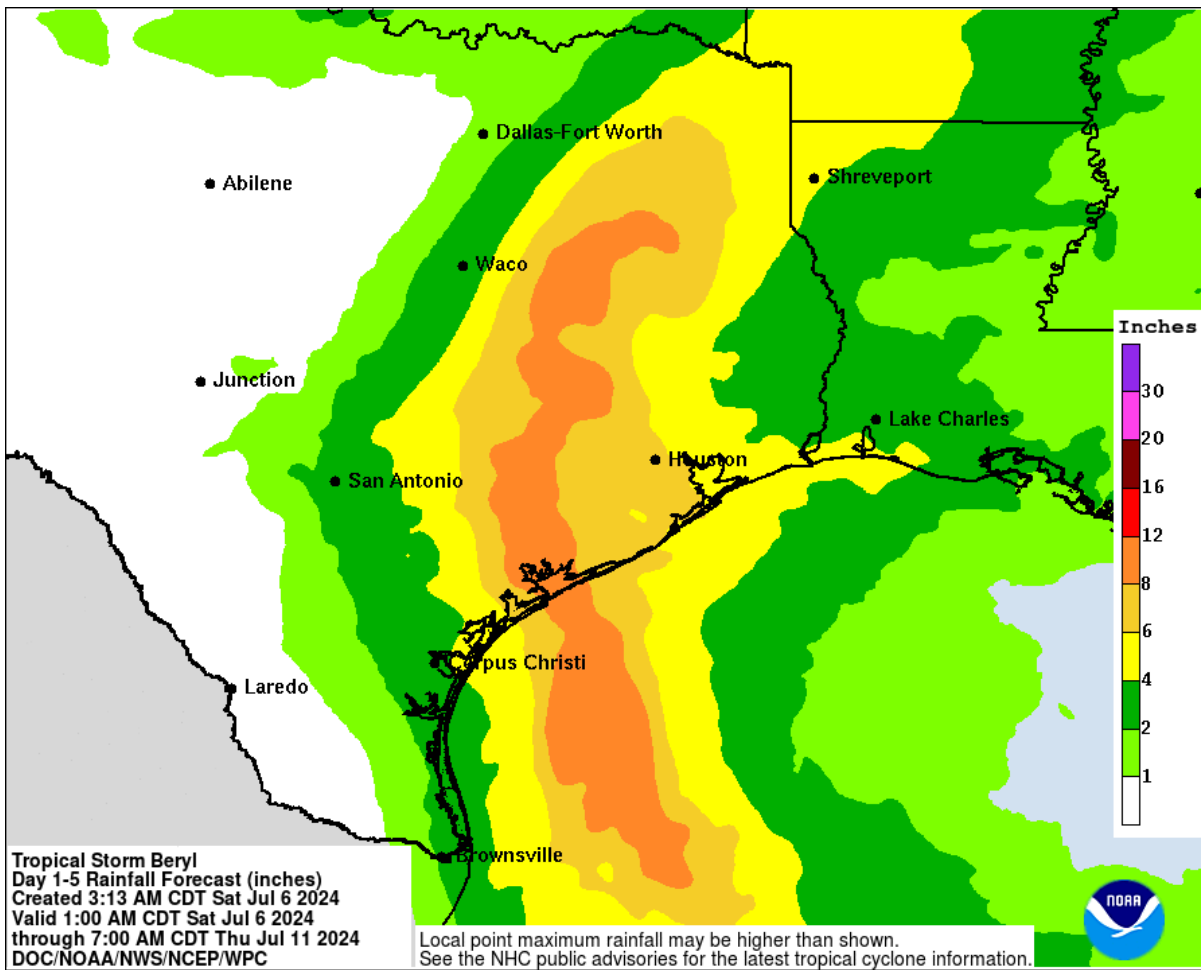## Advisory 32: 10:00 AM CDT Sat Jul 06, 2024

1. There is an increasing risk of damaging hurricane-force winds and life-threatening storm surge along portions of the lower and middle Texas coast late Sunday into Monday, where Hurricane and Storm Surge Watches are in effect. A Tropical Storm Warning is now in effect for portions of deep south Texas and additional warnings will likely be required later today. Interests in these areas should follow any advice given by local officials.
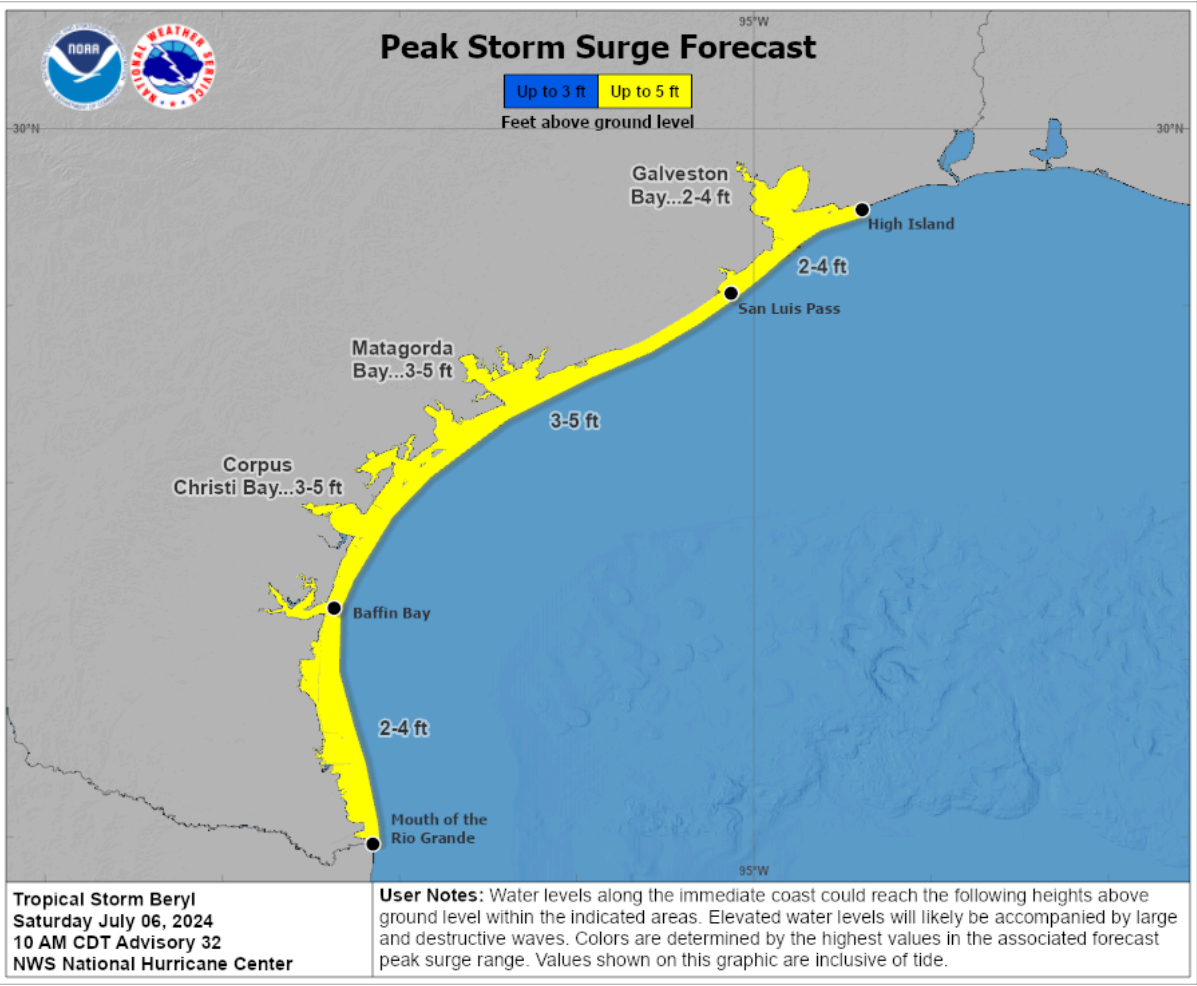
2. Flash and urban flooding, some of which may be locally considerable, is likely across portions of the Texas Gulf Coast and eastern Texas beginning late Sunday through the middle of next week.

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

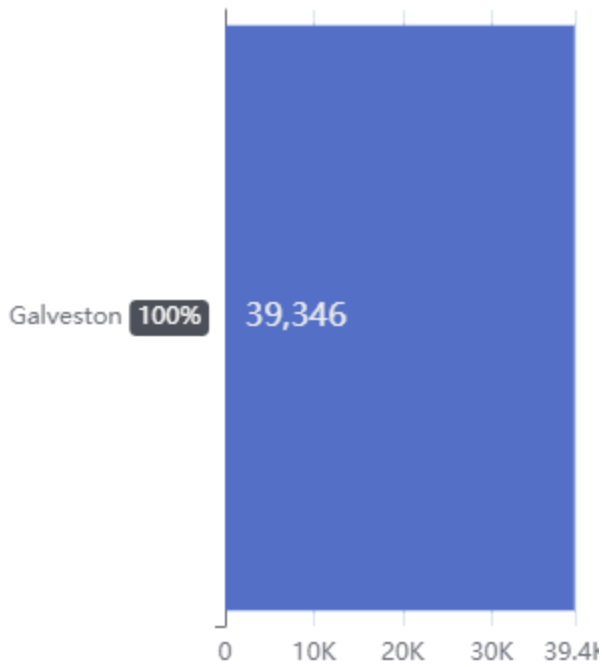**For more information go to hurricanes.gov**

Tropical Storm Beryl
Day 1-5 Rainfall Forecast (inches)
Created 3:13 AM CDT Sat Jul 6 2024
Valid 1:00 AM CDT Sat Jul 6 2024
through 7:00 AM CDT Thu Jul 11 2024
DOC/NOAA/NWS/NCEP/WPC

Local point maximum rainfall may be higher than shown.
See the NHC public advisories for the latest tropical cyclone information.

Peak Storm Surge Forecast

Up to 3 ft   Up to 5 ft
Feet above ground level

Galveston
Bay...2-4 ft
High Island

2-4 ft
San Luis Pass

Matagorda
Bay...3-5 ft

3-5 ft

Corpus
Christi Bay...3-5 ft

Baffin Bay

2-4 ft

Mouth of the
Rio Grande

Tropical Storm Beryl
Saturday July 06, 2024
10 AM CDT Advisory 32
NWS National Hurricane Center

User Notes: Water levels along the immediate coast could reach the following heights above ground level within the indicated areas. Elevated water levels will likely be accompanied by large and destructive waves. Colors are determined by the highest values in the associated forecast peak surge range. Values shown on this graphic are inclusive of tide.

Mission Model Summary

39,346 Cubic Yards
Total Debris By USACE District

Galveston **100%**	39,346

0   10K   20K   30K   39.4K

1,135 Units
Total Estimated Roofing By USACE District

Galveston **100%**	1,135

0   200   400   600   800   1K   1.2K
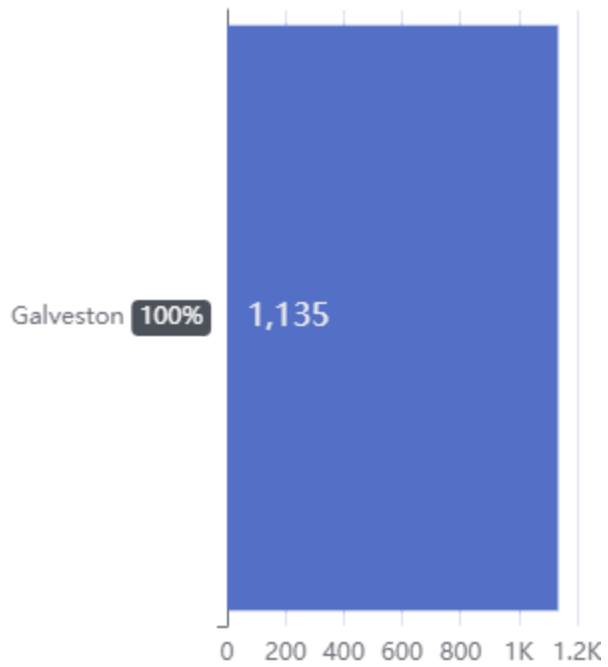
148,481 People
Total Population By USACE District

Galveston **100%**	148,481

0   30K   60K   90K   120K
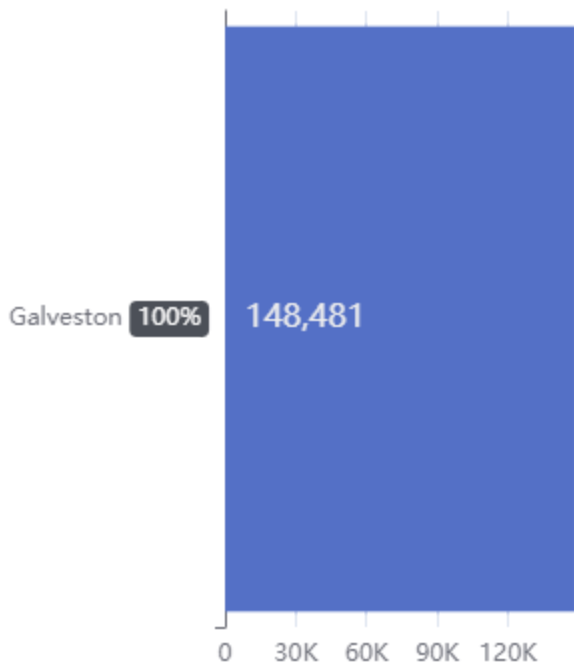
52,589 Households
Total Households By USACE District

Galveston **100%**	52,589

0   10K   20K   30K   40K   50K
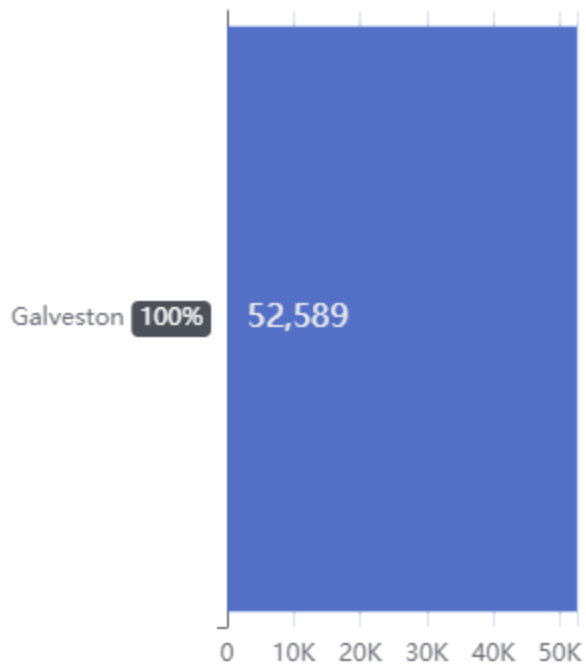
Critical Infrastructure Summary

Total

57

critical facilities

Power Requirements

3.1

MW

Generators

By Generator Count

	%	Count
Cellular Towers	47%	7
Public Schools	27%	4
Law Enforcement Locations	6%	1
Wastewater Treatment Plants	5%	1
Fire Stations	3%	1
Emergency Medical Service...	3%	1
All Others	5%	1

(x-axis: 0, 2, 4, 6, 8, 10)

Generators

By Range

	%	Count
35-75	47%	7
200-300	27%	4
15-35	13%	2
800-2000	7%	1
35-100	1%	0
15-40	1%	0
0-0	0%	0

(x-axis: 0, 2, 4, 6, 8, 10)
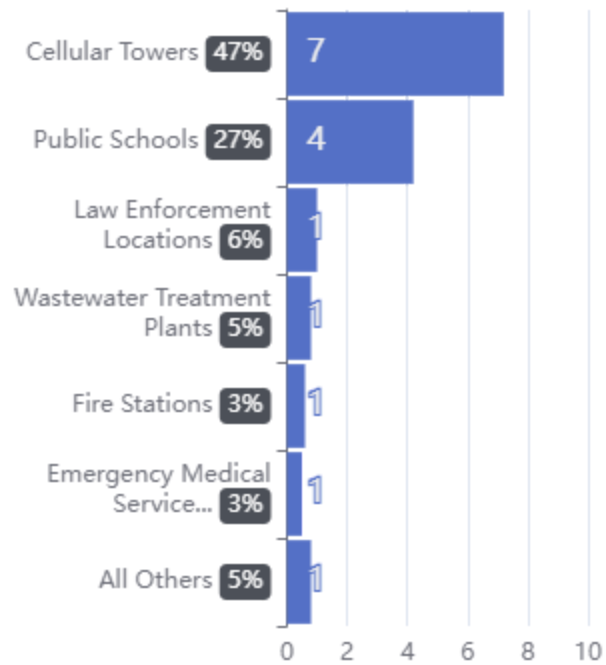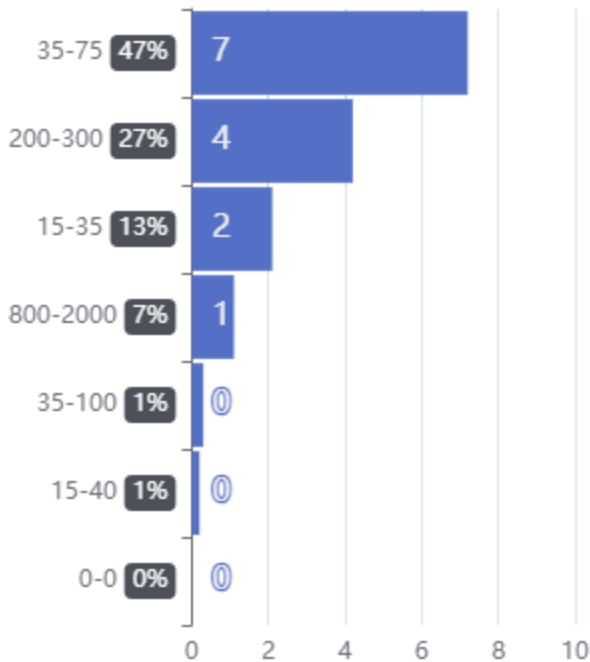
Generators

By Power Requirement (KW)

	%	KW
Wastewater Treatment Plants	36%	1,120
Public Schools	34%	1,050
Hospitals	13%	420
Cellular Towers	12%	396
Law Enforcement Locations	0%	25
Nursing Homes	0%	20
All Others	1%	33

(x-axis: 0, 200, 400, 600, 800, 1K, 1.2K)
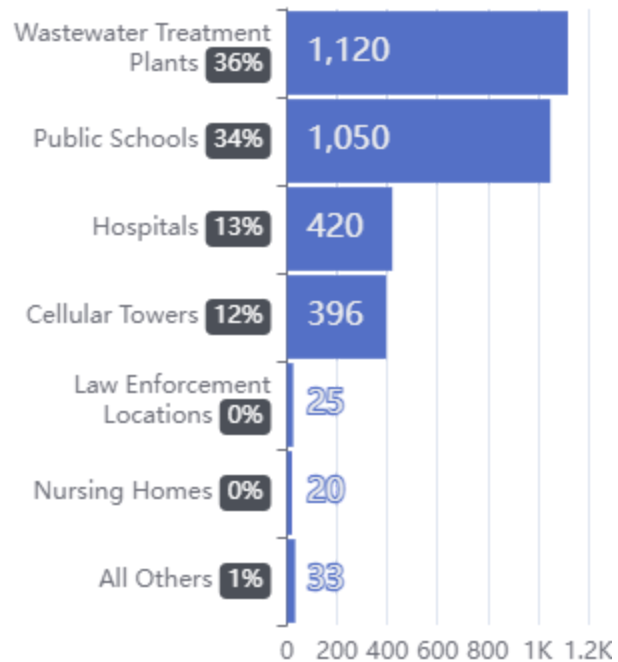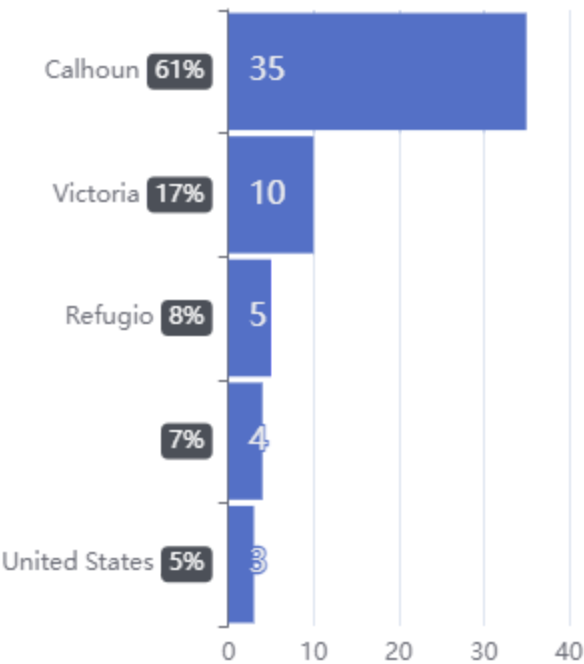
Structures

By Intensity
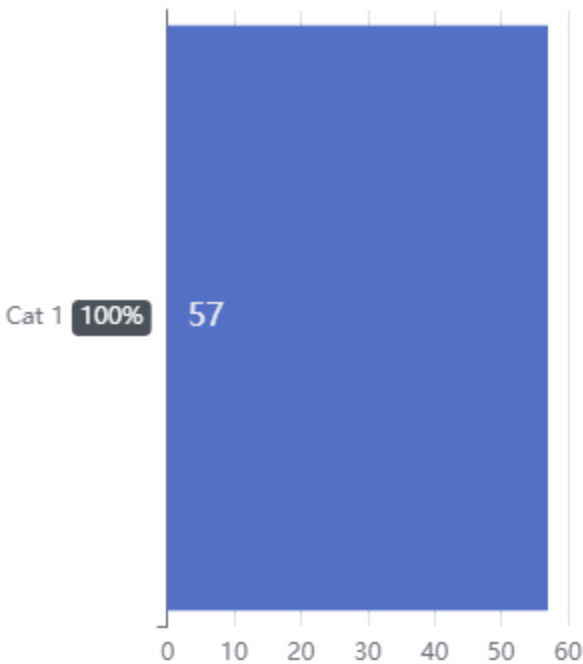
Structures

By County

Debris

39,346 Cubic Yards

Total Debris by County

MAX: 14,854

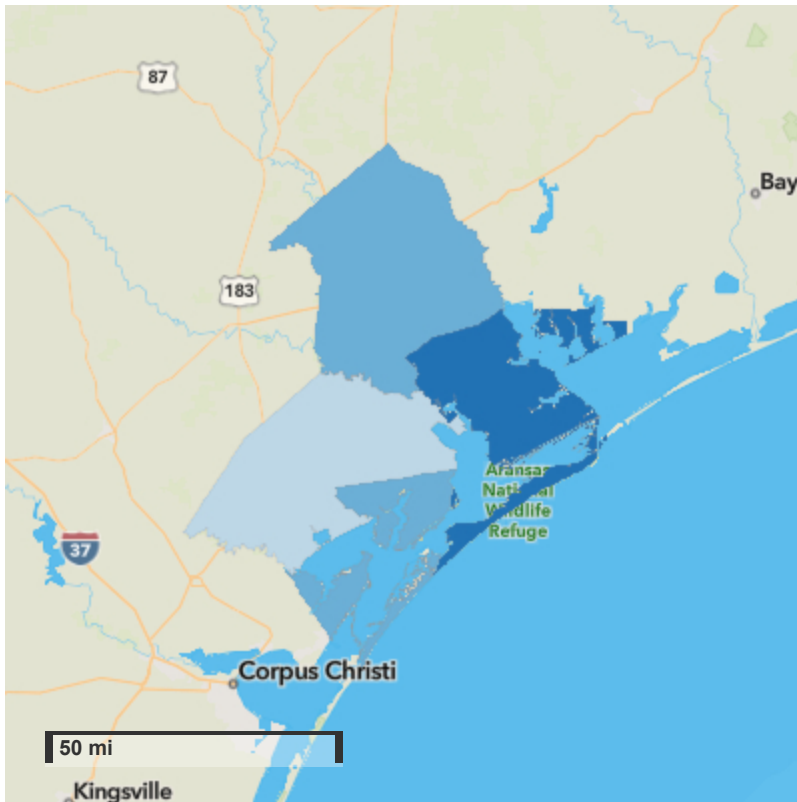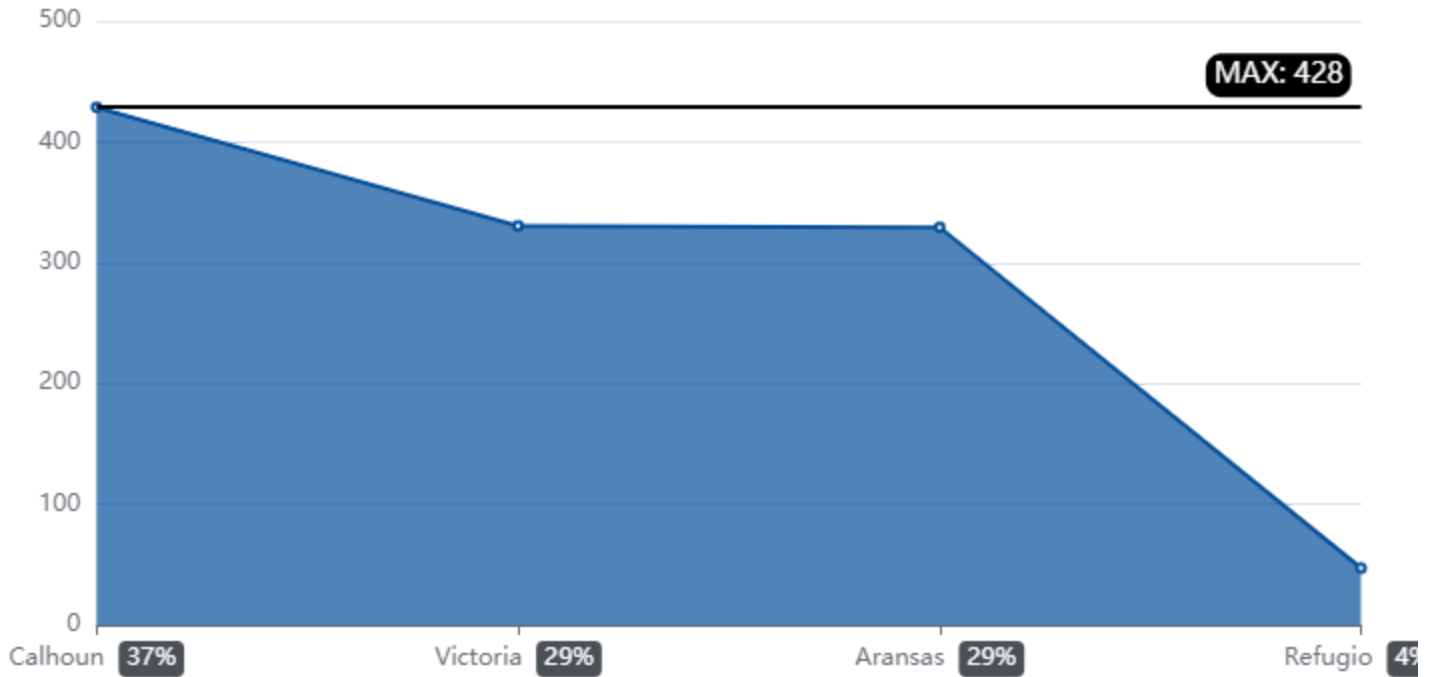| Calhoun | 37% | Victoria | 29% | Aransas | 29% | Refugio | 4% |
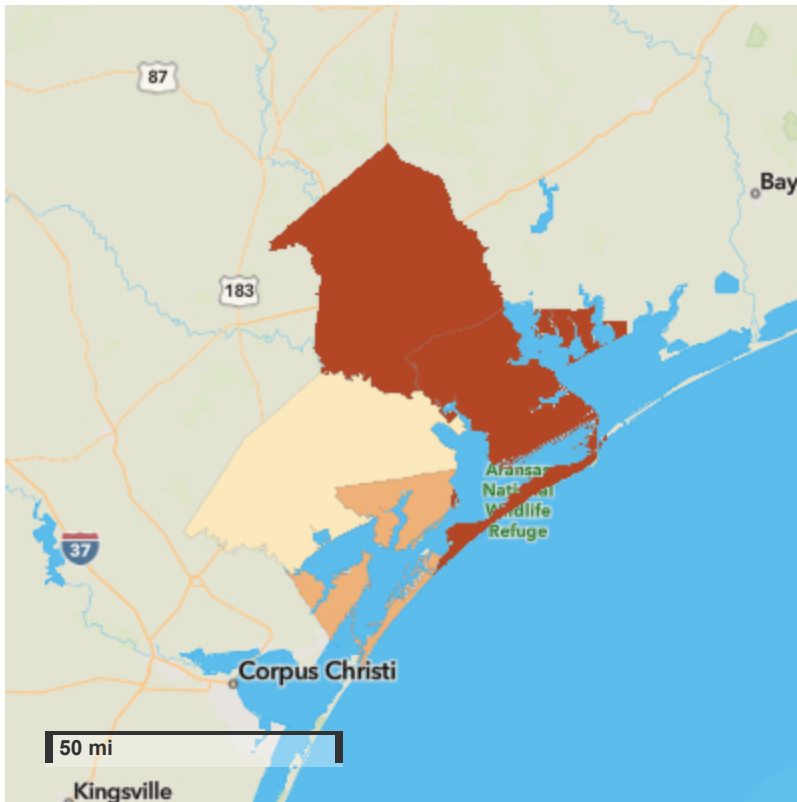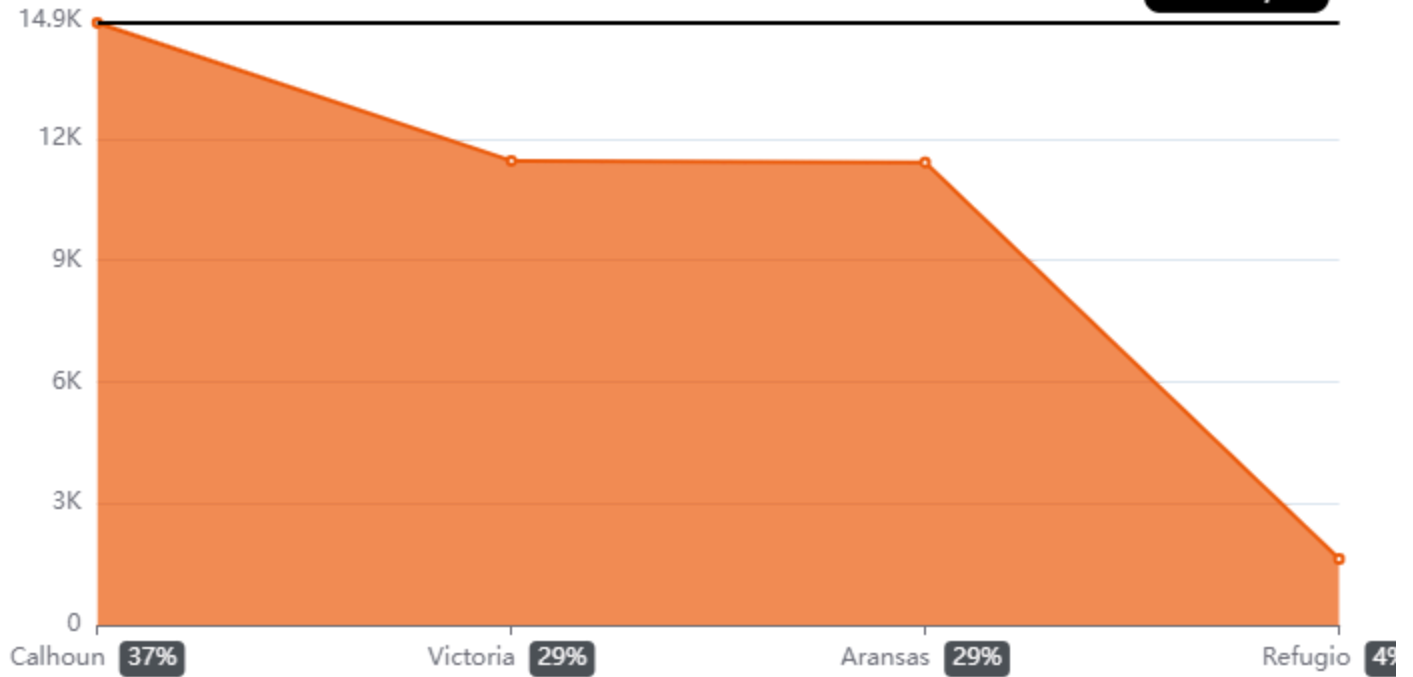
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Estimated Temporary Roofing

1,135 Units

Total Estimated Roofing by County

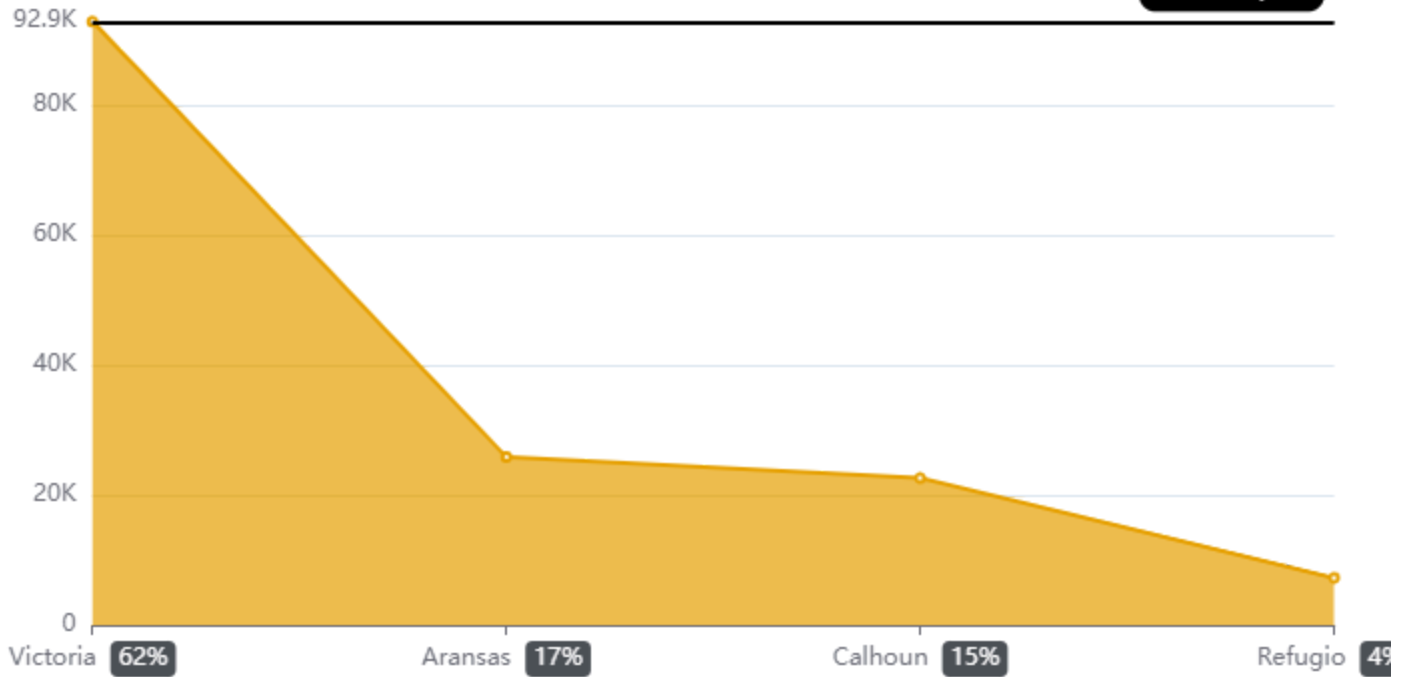| Calhoun	Victoria	Aransas	Refugio
37%	29%	29%	4%

No legend

Population

148,481 People

Total Population by County

MAX: 92,806

Victoria **62%**	Aransas **17%**	Calhoun **15%**	Refugio **4%**
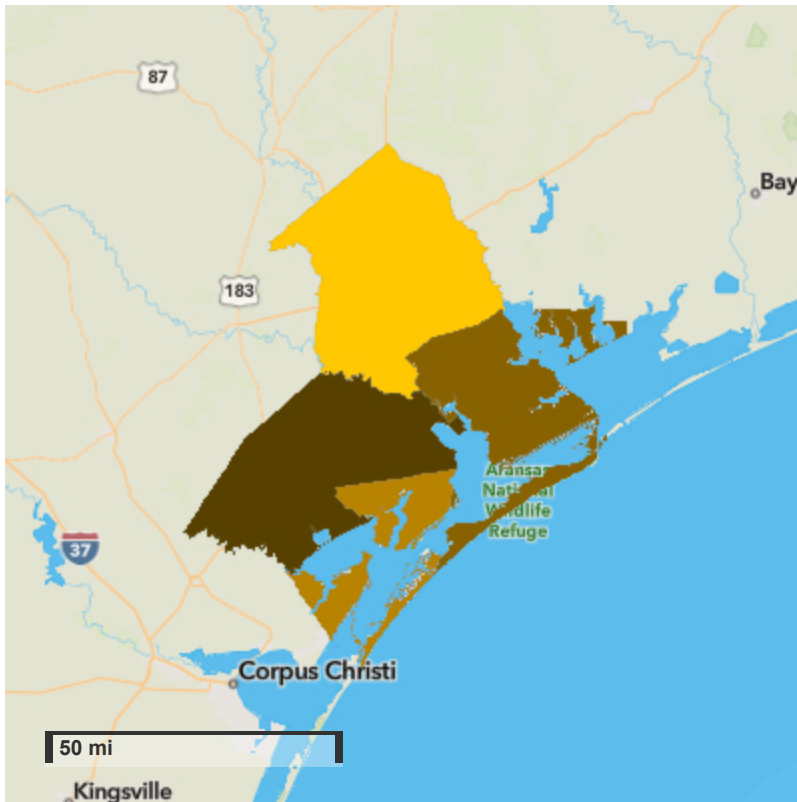
No legend

Households

52,589 Households

Total Households by County

MAX: 32,187

| Victoria 61% | Aransas 18% | Calhoun 14% | Refugio 5% |
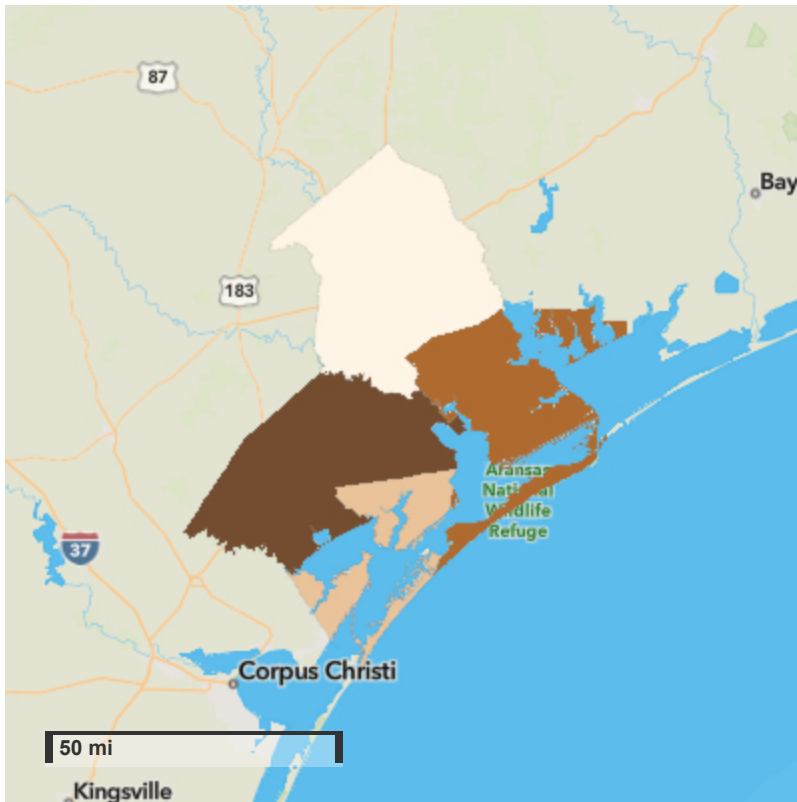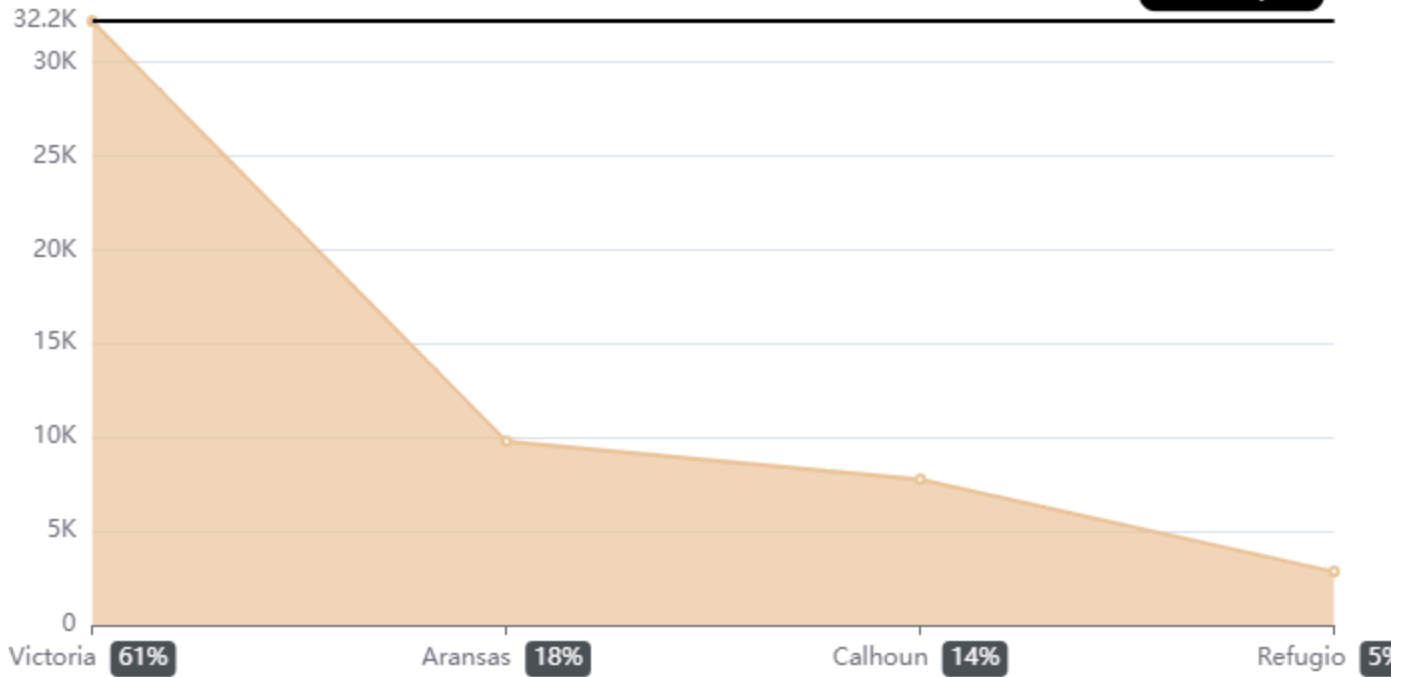
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Poverty Level

County	Cat	Pop. below Federal poverty line	% Population
Refugio County	1	1,068	16
Aransas County	1	4,241	18
Victoria County	1	14,870	17
Calhoun County	1	1,826	9

Social Vulnerability Index

Possible scores range from 0 (lowest vulnerability) to1 (highest vulnerability).

County	Cat	Overall SVI Score
Refugio	1	0.941
Aransas	1	0.802
Victoria	1	0.783
Calhoun	1	0.862