



## Hurricane Beryl - Advisory #29

For planning purposes only!

WASHINGTON, DC

17:21

Jul 5, 2024

CHICAGO

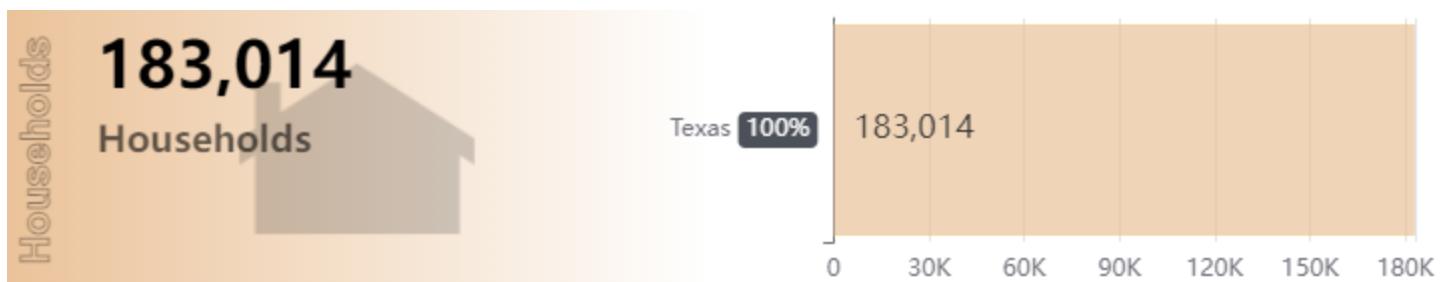
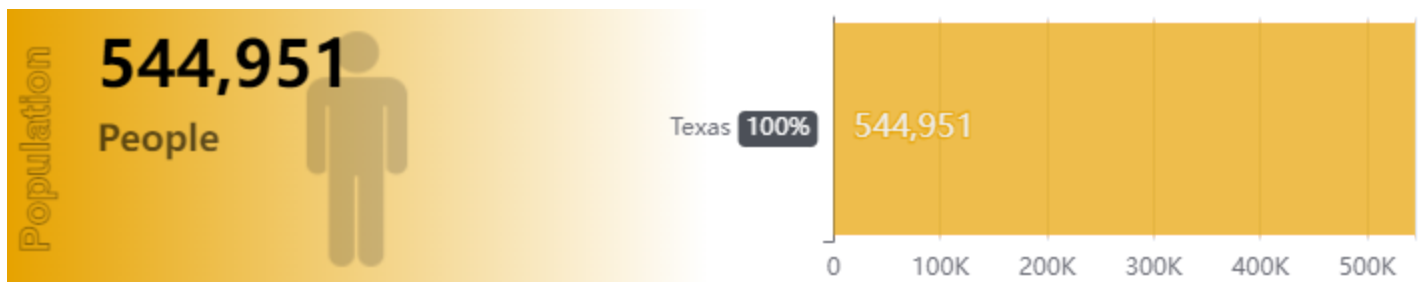
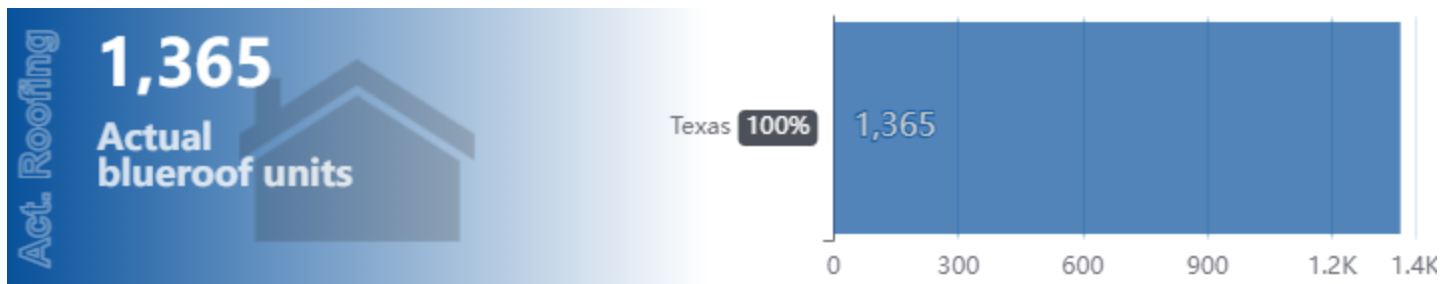
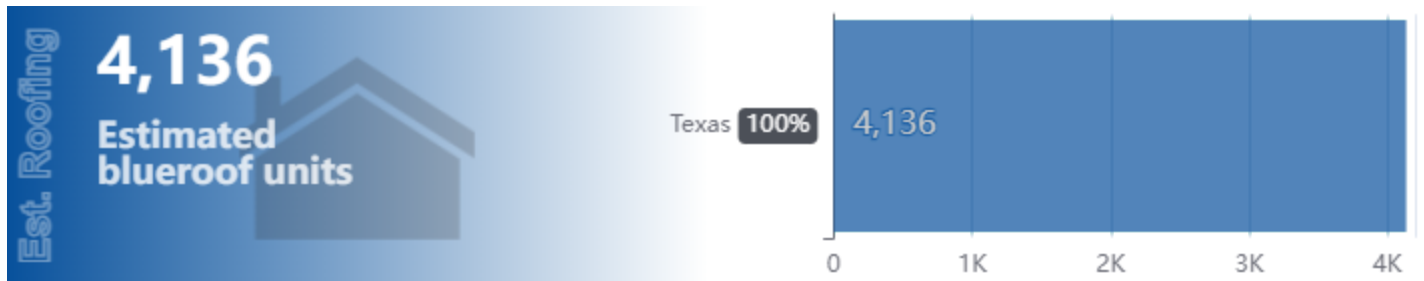
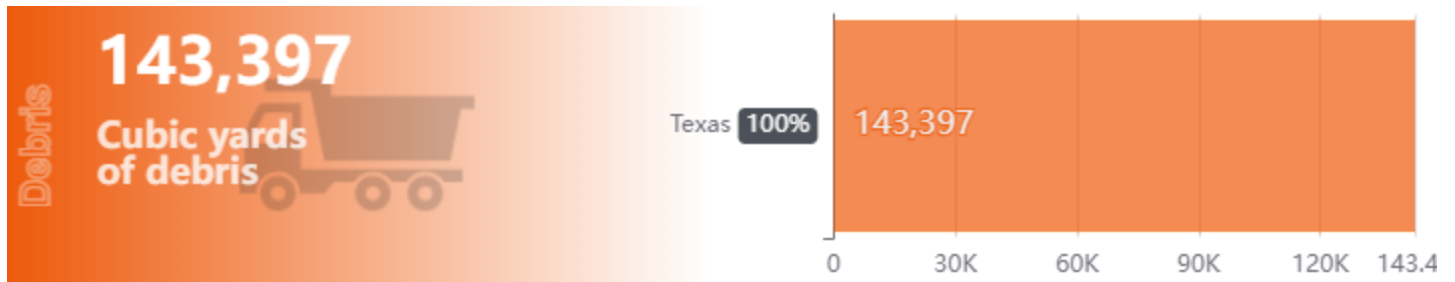
16:21

Jul 5, 2024

LOS ANGELES

14:21

Jul 5, 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  
8 counties

|                      |         |
|----------------------|---------|
| Debris (cu.yds.)     | 143,397 |
| Roofing Est. (units) | 4,136   |
| Roofing Act. (units) | 1,365   |
| Population           | 544,951 |
| Households           | 183,014 |

POPULATION DISTRIBUTION

|                |            |
|----------------|------------|
| Centroid Swath | Population |
| TS (8)         | 544,951    |

TEXAS

| Name         | Debris (cu.yds.) | Roofing Est. (units) | Roofing Act. (units) | Population | Households |
|--------------|------------------|----------------------|----------------------|------------|------------|
| San Patricio | 32,161           | 928                  | 306                  | 69,541     | 22,637     |
| Refugio      | 3,898            | 112                  | 37                   | 7,244      | 2,841      |
| Nueces       | 93,157           | 2,687                | 887                  | 367,856    | 124,587    |
| Kleberg      | 3,647            | 105                  | 35                   | 32,677     | 11,097     |
| Kenedy       | 0                | 0                    | 0                    | 445        | 147        |
| Goliad       | 27               | 1                    | 0                    | 7,722      | 2,868      |
| Bee          | 977              | 28                   | 9                    | 33,631     | 9,042      |
| Aransas      | 9,529            | 275                  | 91                   | 25,835     | 9,795      |

# Critical Infrastructure Results

## SUMMARY

### 382 facilities

|                            |        |
|----------------------------|--------|
| <b>Power required (KW)</b> | 29,027 |
|----------------------------|--------|

## COMMUNICATIONS

| Type                 | % Fed Gen Req | Power range (KW) | Power required (KW) |
|----------------------|---------------|------------------|---------------------|
| Cellular Towers (27) | 16            | 35-75            | 891                 |

## EDUCATION

| Type                          | % Fed Gen Req | Power range (KW) | Power required (KW) |
|-------------------------------|---------------|------------------|---------------------|
| Public Schools (131)          | 39            | 200-300          | 9,825               |
| Private Schools (22)          | 0             | 200-300          | 0                   |
| Colleges and Universities (7) | 0             | 200-300          | 35                  |

## EMERGENCY SERVICES

| Type  | % Fed Gen Req | Power range (KW) | Power required (KW) |
|---|---------------|------------------|---------------------|
| National Shelter System Facilities (5)        | 0             | 0-0              | 0                   |
| Fire Stations (37)                            | 4             | 15-35            | 93                  |
| Emergency Medical Service (EMS) Stations (24) | 2             | 15-35            | 60                  |

## HEALTHCARE

| Type               | % Fed Gen Req | Power range (KW) | Power required (KW) |
|--------------------|---------------|------------------|---------------------|
| Nursing Homes (30) | 5             | 35-100           | 304                 |
| Hospitals (10)     | 3             | 800-2000         | 4,200               |

## LAW ENFORCEMENT

| Type                           | % Fed Gen Req | Power range (KW) | Power required (KW) |
|--------------------------------|---------------|------------------|---------------------|
| Law Enforcement Locations (40) | 4             | 15-35            | 100                 |

## POWER

| Type                                  | % Fed Gen Req | Power range (KW) | Power required (KW) |
|---------------------------------------|---------------|------------------|---------------------|
| Electric Power Generation Plants (14) | 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                  |

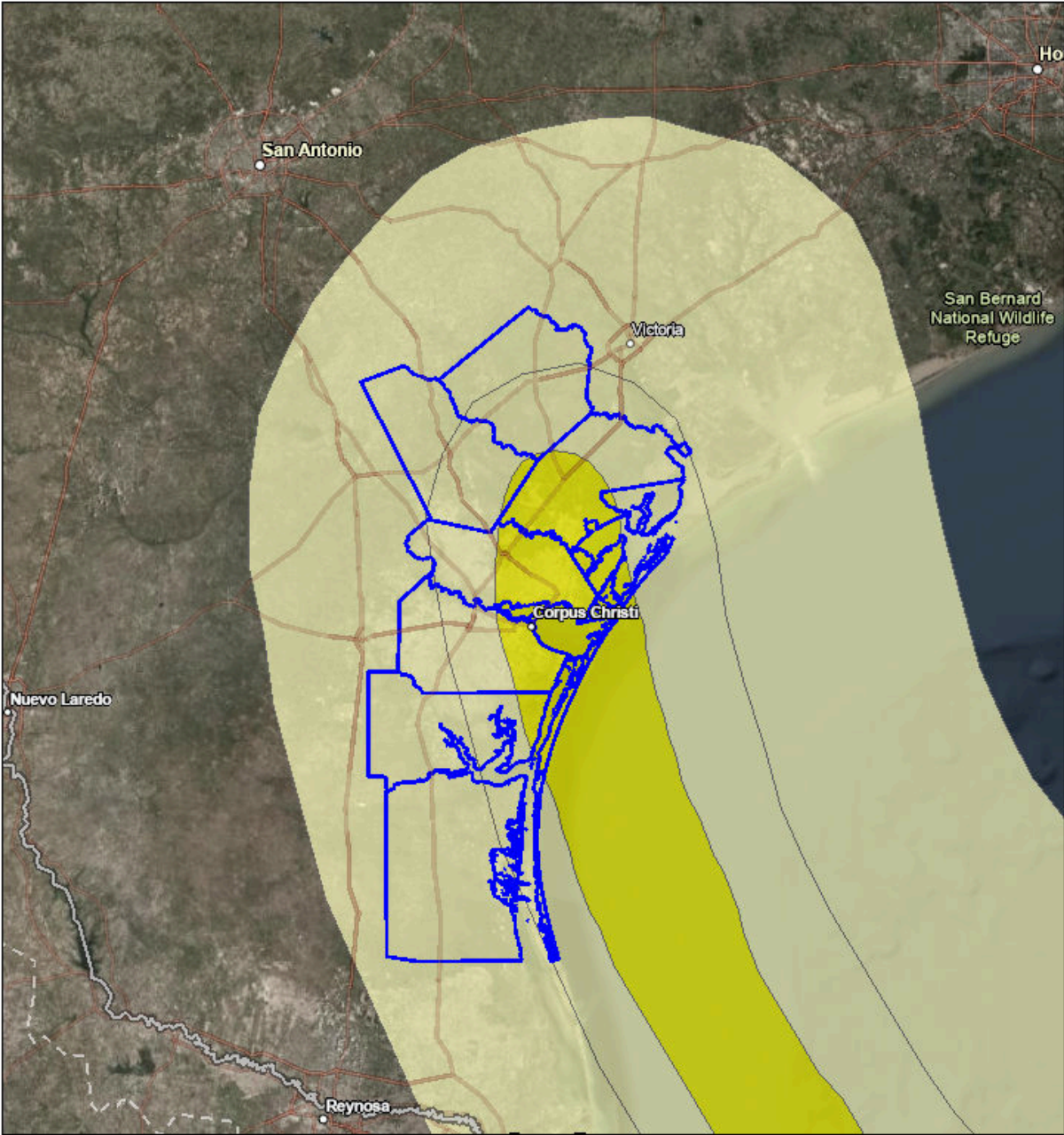
## STATE AND LOCAL EOCs

| Type   | % Fed Gen Req | Power range (KW) | Power required (KW) |
|--|---------------|------------------|---------------------|
| Local Emergency Operations Centers (EOC) (9) | 2             | 15-40            | 50                  |

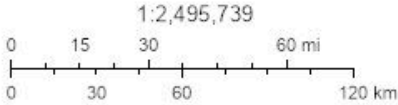
## WATER AND WASTEWATER

| Type                             | % Fed Gen Req | Power range (KW) | Power required (KW) |
|----------------------------------|---------------|------------------|---------------------|
| Wastewater Treatment Plants (24) | 10            | 800-2000         | 13,440              |

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 Tropical Storm Beryl

Advisory 29: 4:00 PM CDT Fri Jul 05, 2024

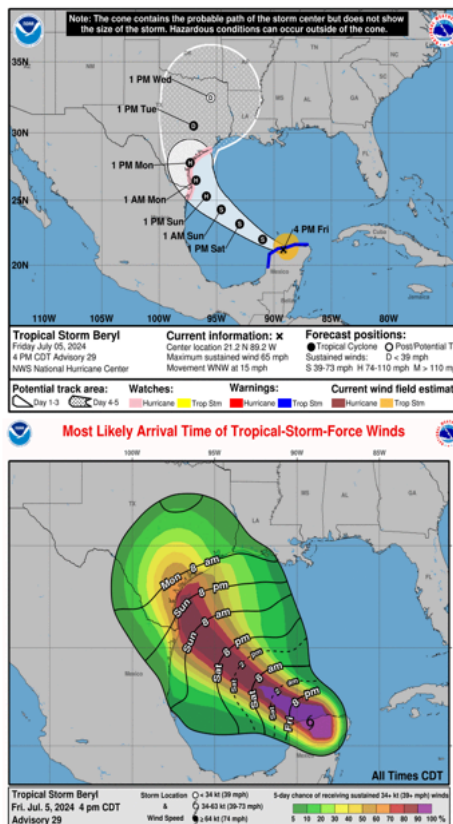


1. There is an increasing risk of damaging hurricane-force winds and life-threatening storm surge in portions of northeastern Mexico and the lower and middle Texas Coast late Sunday and Monday where Hurricane and Storm Surge Watches have been issued. Additional watches may be required tonight or early Saturday. Interests in these areas should follow any advice given by local officials.

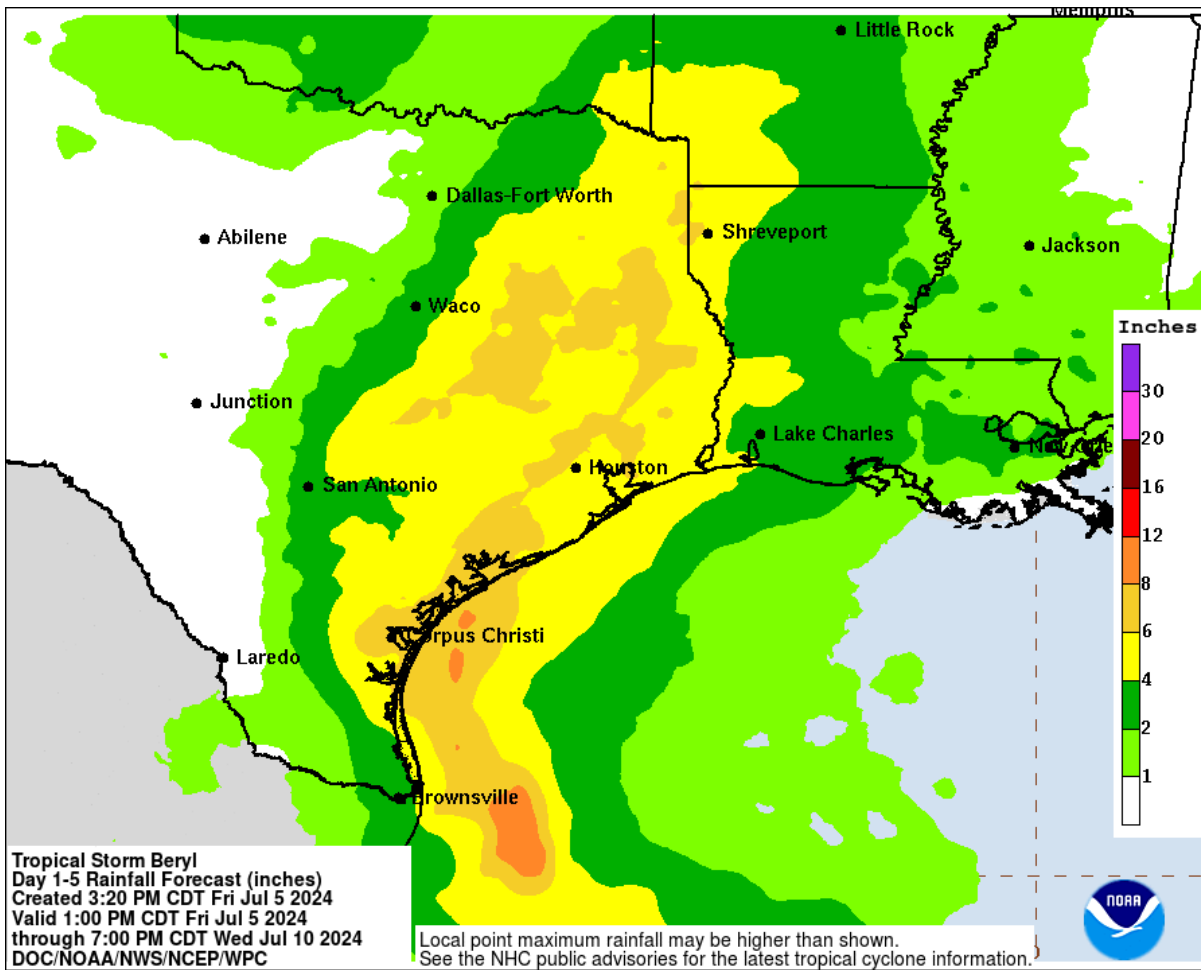
2. Flash and urban flooding are possible across portions of the Texas Gulf Coast and eastern Texas from Sunday through the middle of next week.

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.

4. Strong winds, storm surge, and heavy rainfall will continue over northern portions of the Yucatan Peninsula this evening.



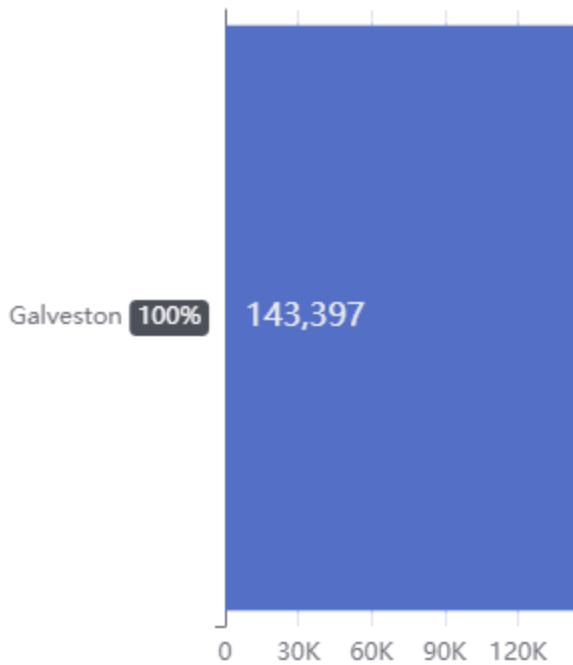
For more information go to [hurricanes.gov](https://hurricanes.gov)



## Mission Model Summary

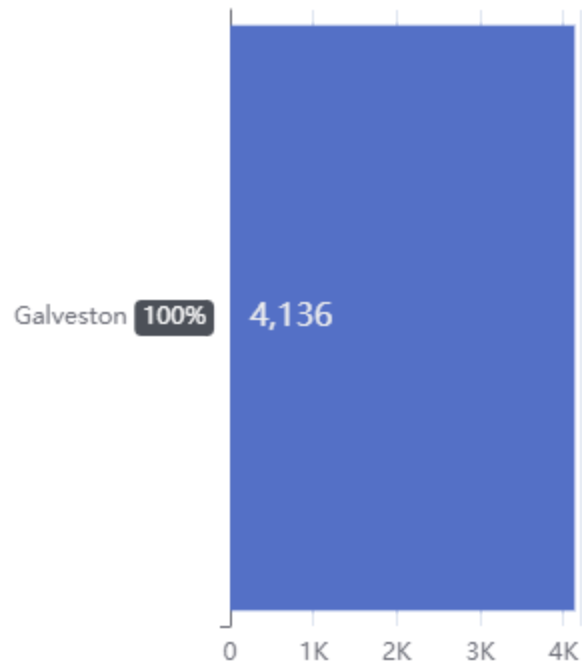
### 143,397 Cubic Yards

Total Debris By USACE District



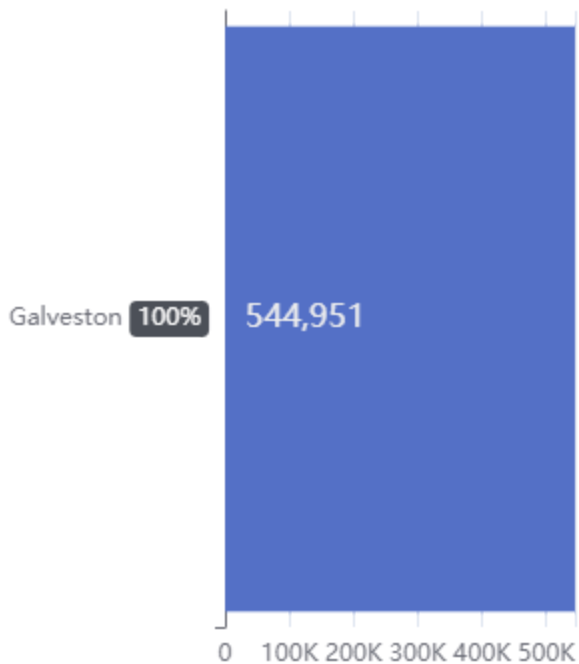
### 4,136 Units

Total Estimated Roofing By USACE District



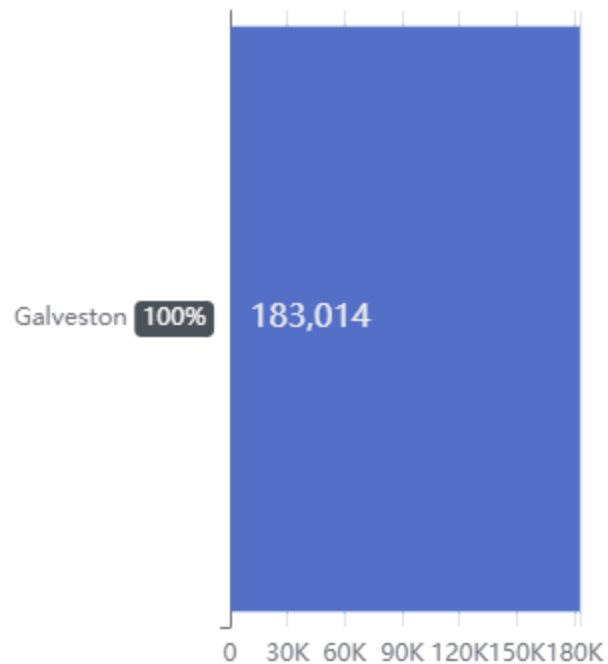
### 544,951 People

Total Population By USACE District



### 183,014 Households

Total Households By USACE District



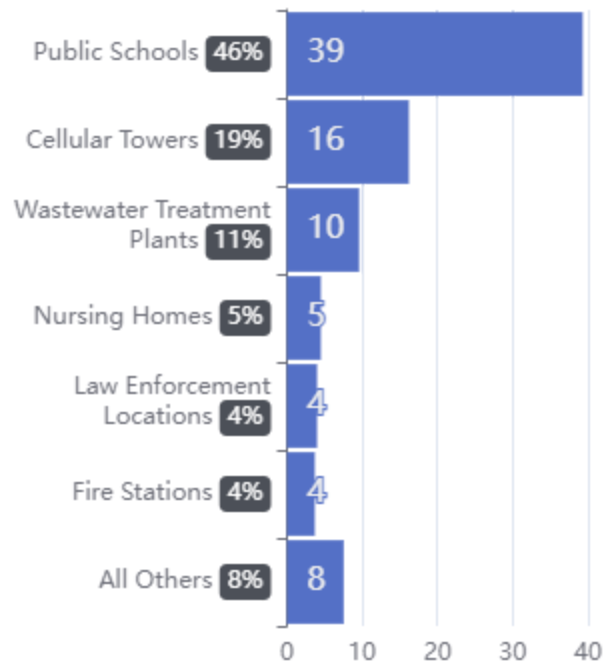


## Critical Infrastructure Summary



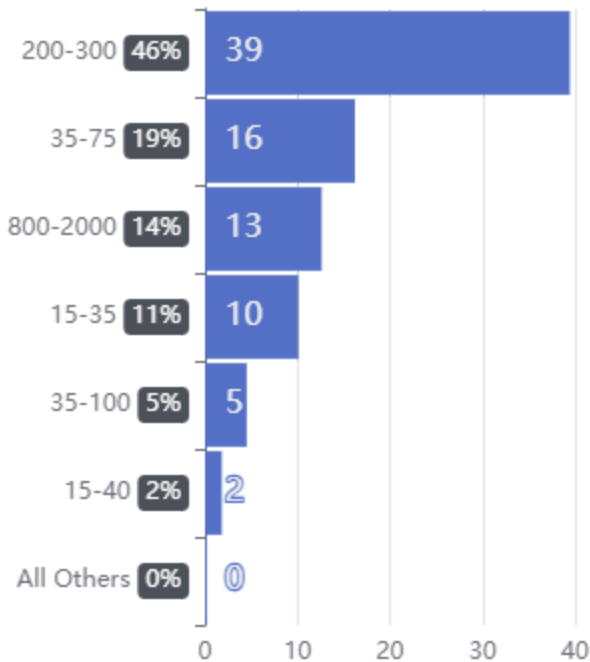
### Generators

#### By Generator Count



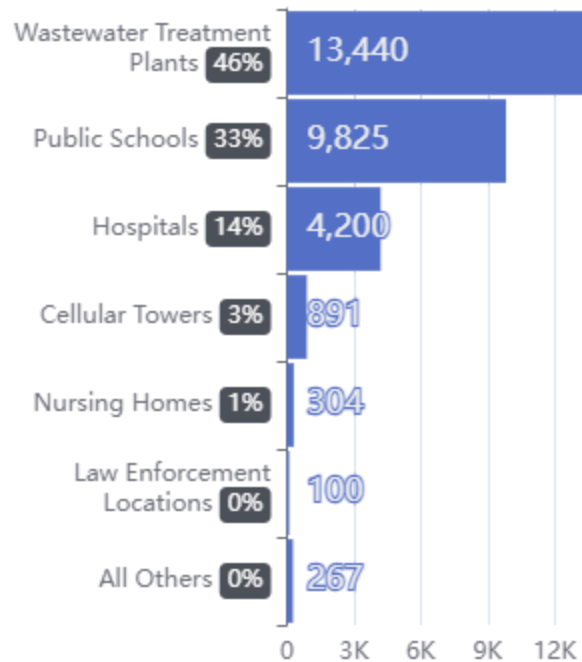
### Generators

#### By Range



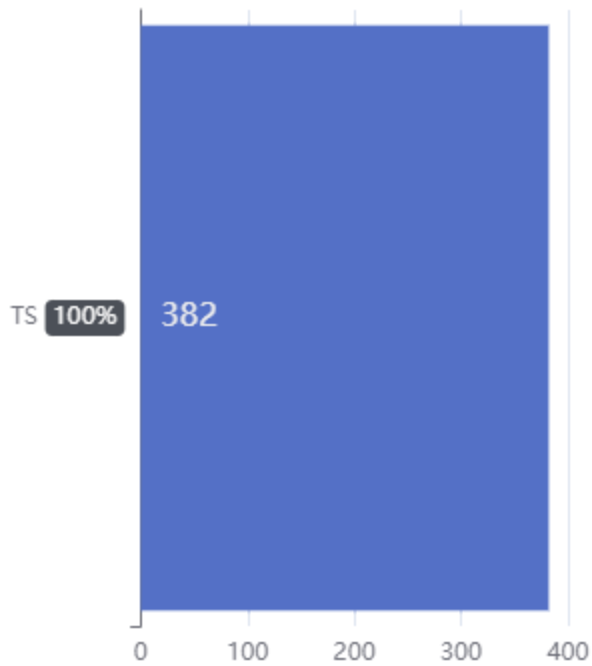
### Generators

#### By Power Requirement (KW)



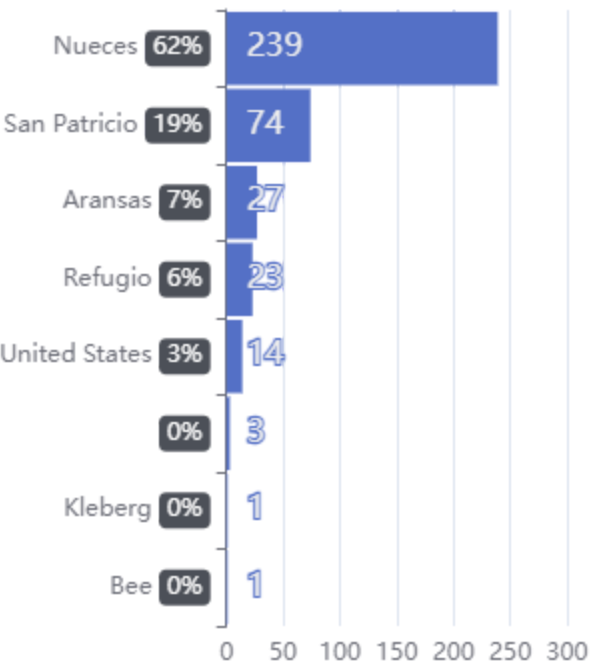
Structures

By Intensity



Structures

By County

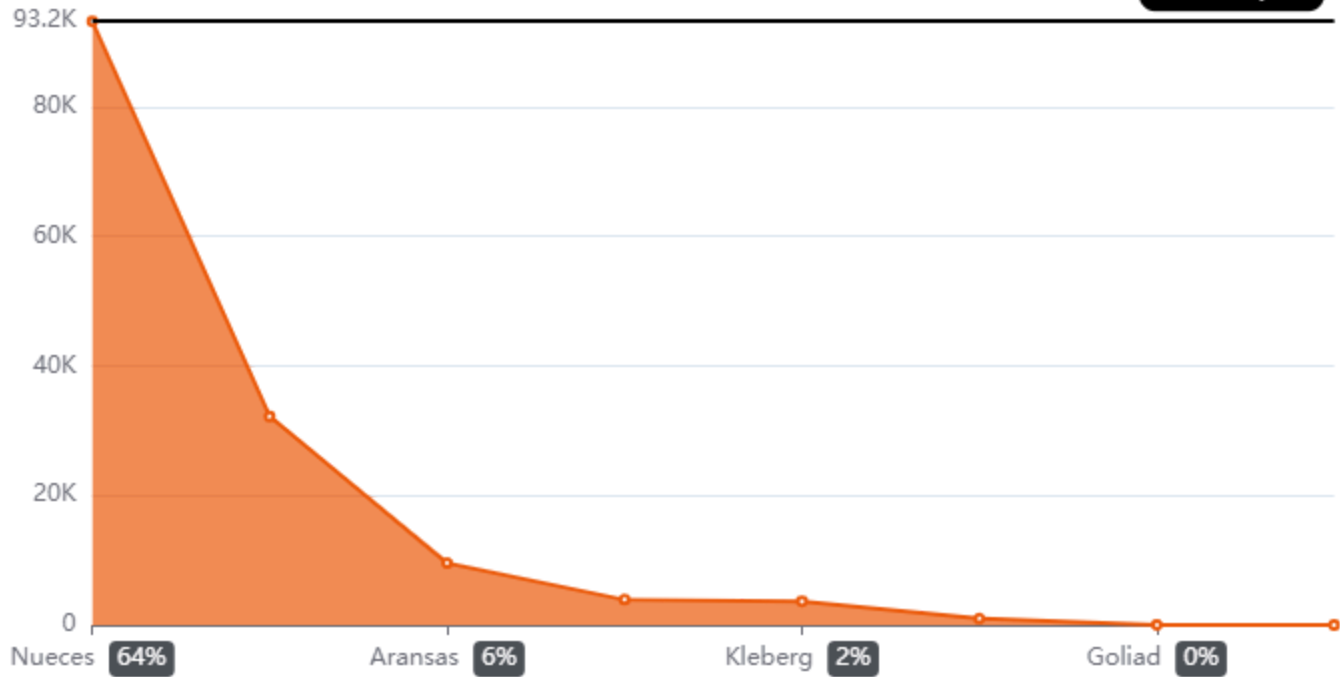


## Debris

**143,397 Cubic Yards**

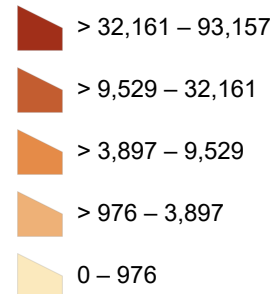
Total Debris by County

**MAX: 93,157**



### Mission Models

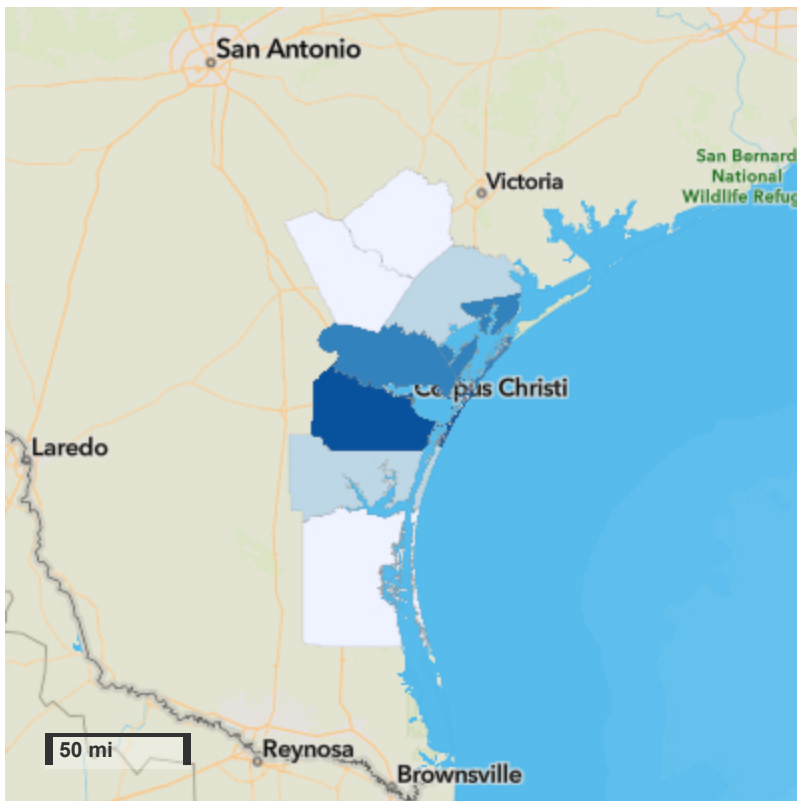
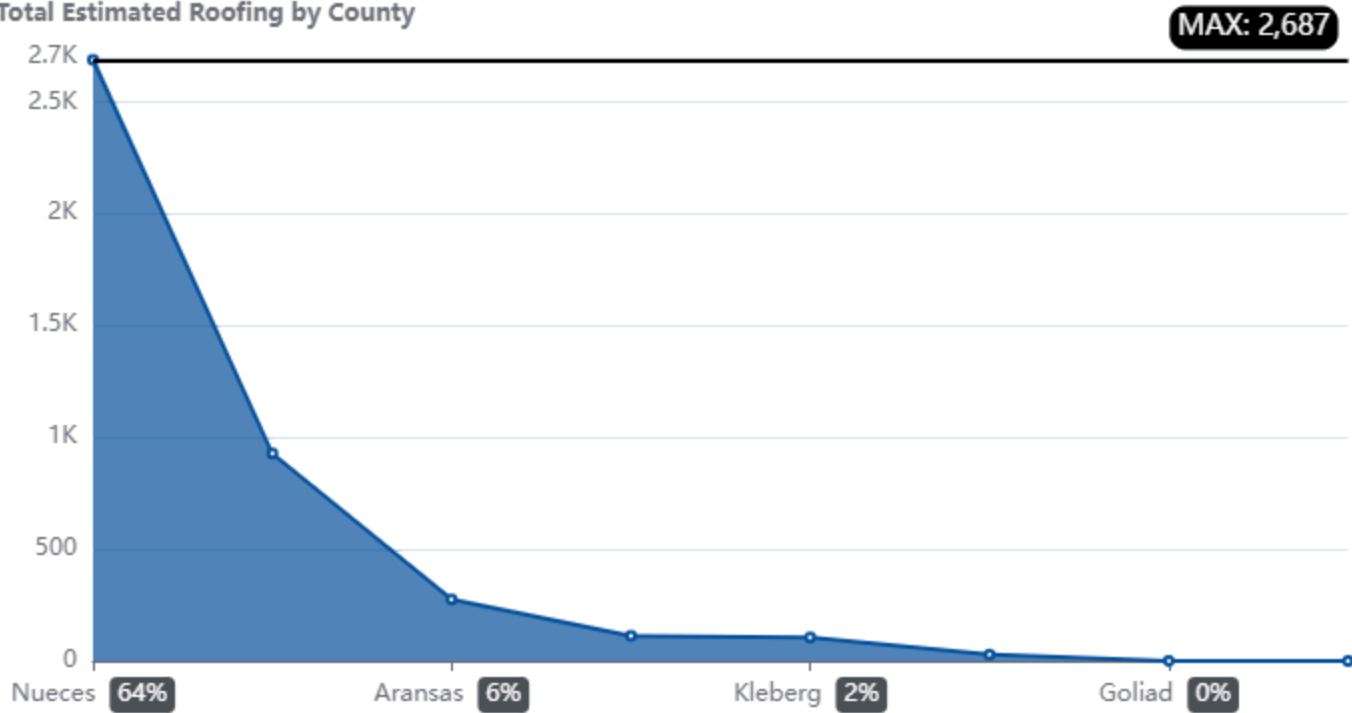
Debris (cu.yds.)



## Estimated Temporary Roofing

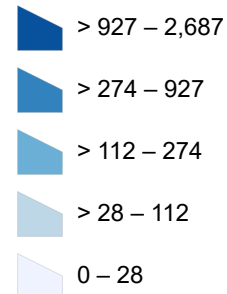
### 4,136 Units

Total Estimated Roofing by County



#### Mission Models

Roofing Est. (units)

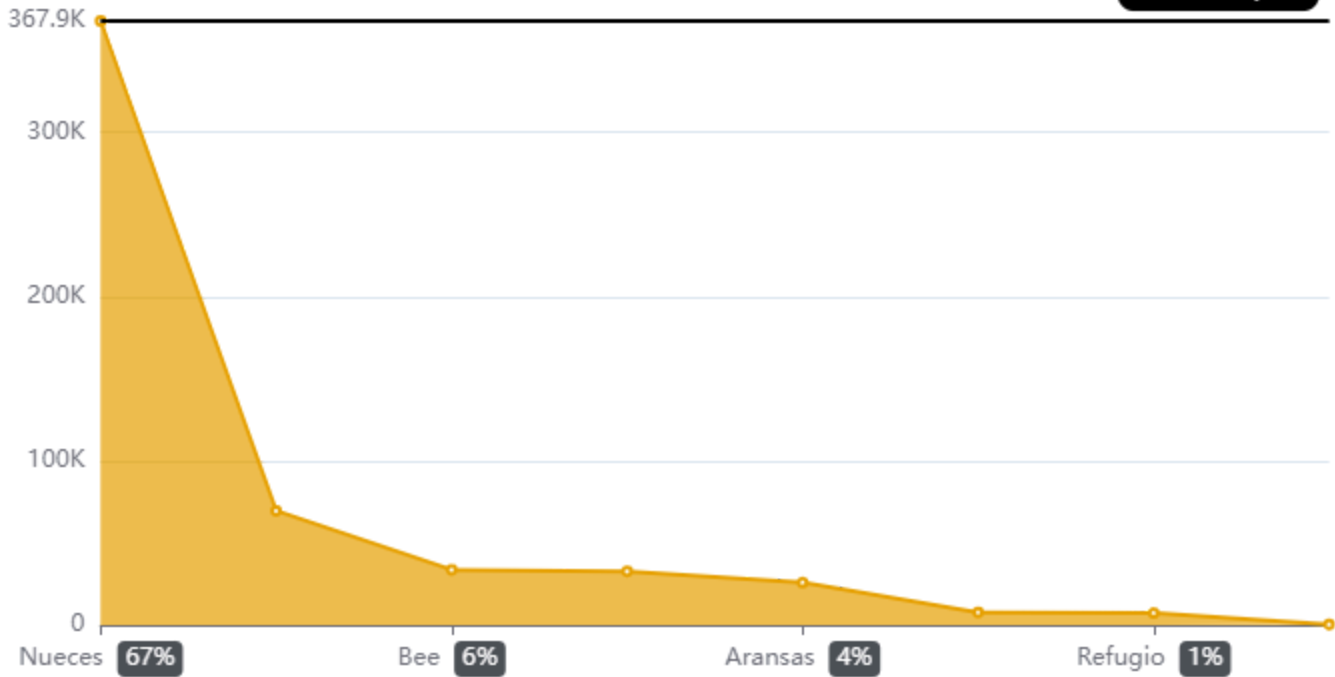


## Population

**544,951 People**

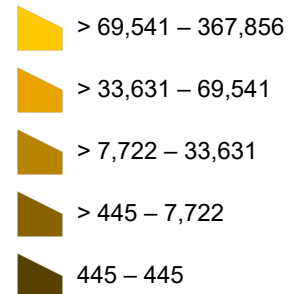
Total Population by County

**MAX: 367,856**



### Mission Models

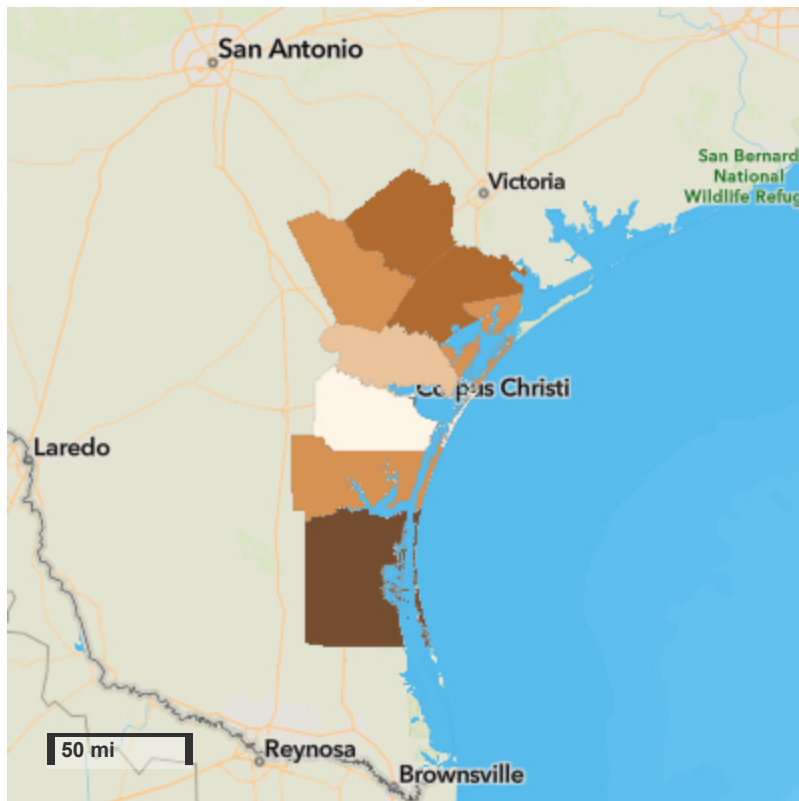
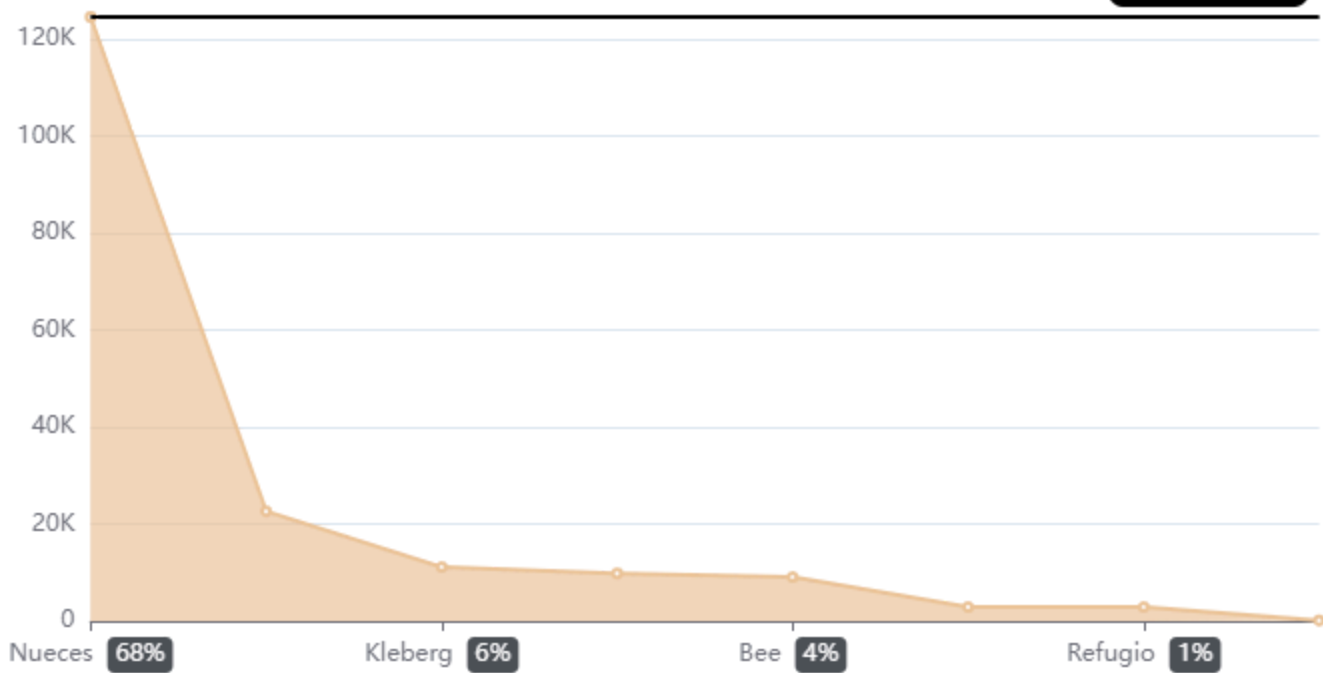
#### Population



# Households

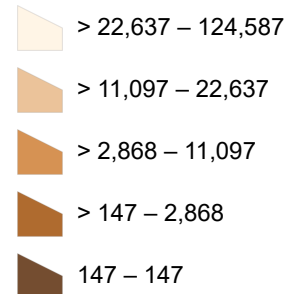
## 183,014 Households

### Total Households by County

**MAX: 124,587**

### Mission Models

Households



## Poverty Level

| County              | Cat | Pop. below Federal poverty line | % Population |
|---------------------|-----|---------------------------------|--------------|
| Refugio County      | 1   | 1,068                           | 16           |
| Aransas County      | 1   | 4,241                           | 18           |
| Bee County          | 1   | 4,703                           | 20           |
| Nueces County       | 1   | 59,784                          | 17           |
| Kleberg County      | 1   | 8,885                           | 31           |
| Goliad County       | 1   | 698                             | 10           |
| Kenedy County       | 1   | 3                               | 3            |
| San Patricio County | 1   | 10,701                          | 16           |

# Social Vulnerability Index

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

| County       | Cat | Overall SVI Score |
|--------------|-----|-------------------|
| Refugio      | 1   | 0.941             |
| Aransas      | 1   | 0.802             |
| Bee          | 1   | 0.969             |
| Nueces       | 1   | 0.836             |
| Kleberg      | 1   | 0.983             |
| Goliad       | 1   | 0.582             |
| Kenedy       | 1   | 0.733             |
| San Patricio | 1   | 0.831             |