



Hurricane Beryl - Advisory #37

For planning purposes only!

WASHINGTON, DC

17:11

Jul 7, 2024

CHICAGO

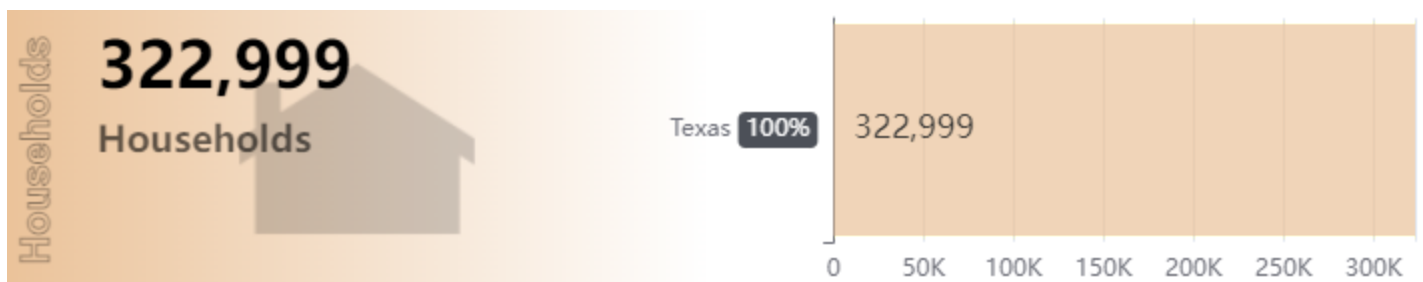
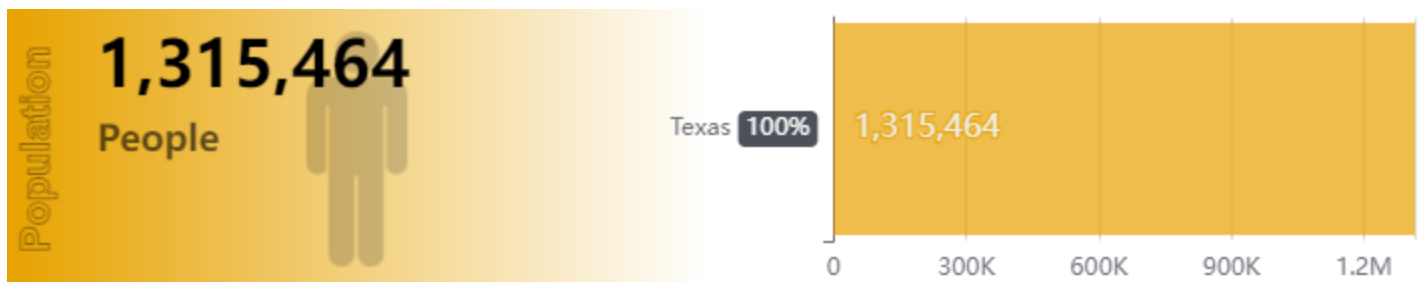
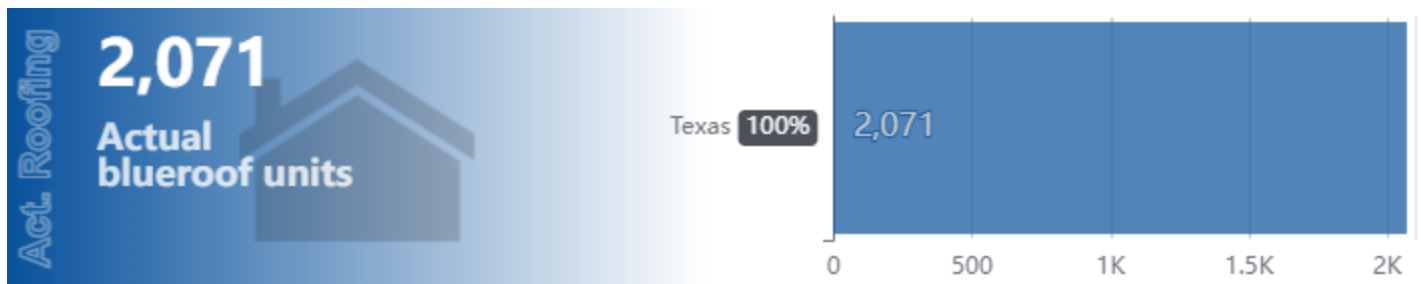
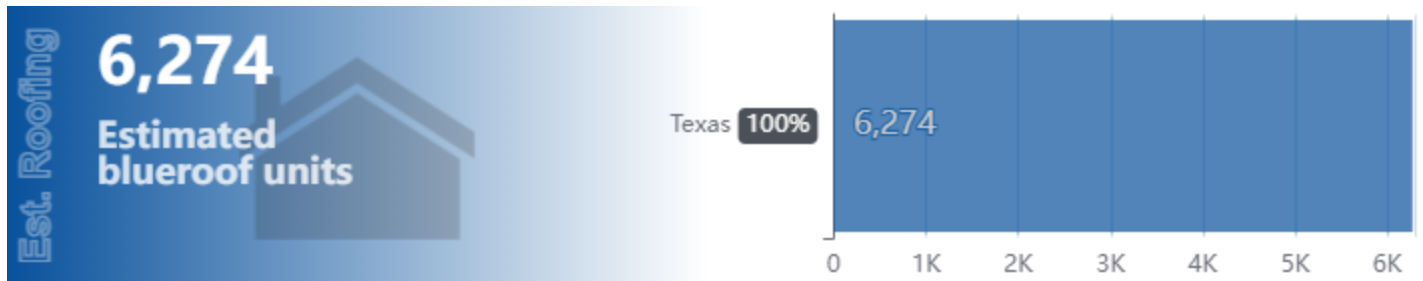
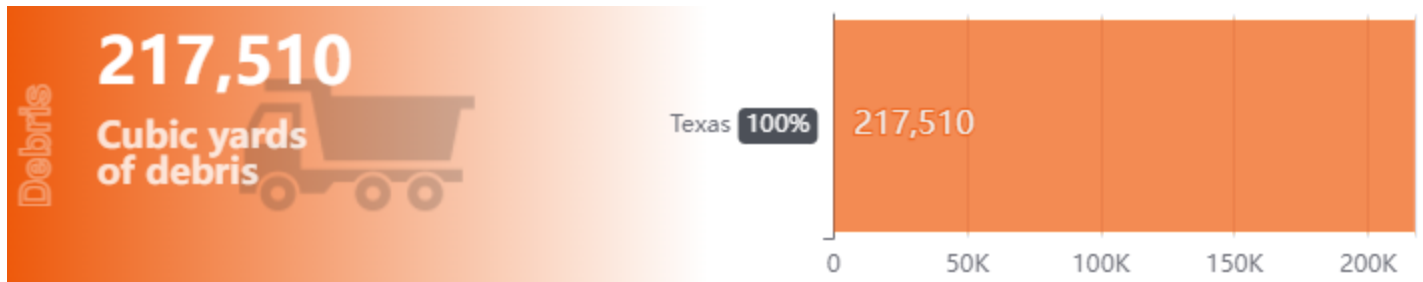
16:11

Jul 7, 2024

LOS ANGELES

14:11

Jul 7, 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.)	217,510
Roofing Est. (units)	6,274
Roofing Act. (units)	2,071
Population	1,315,464
Households	322,999

POPULATION DISTRIBUTION

Centroid Swath	Population
TS (3)	1,276,894
Cat 1 (1)	38,570

TEXAS

Name	Debris (cu.yds.)	Roofing Est. (units)	Roofing Act. (units)	Population	Households
Wharton	7,800	225	74	42,748	15,132
Matagorda	25,307	730	241	38,570	13,894
Fort Bend	112,426	3,243	1,070	836,775	187,384
Brazoria	71,977	2,076	685	397,371	106,589

Critical Infrastructure Results

SUMMARY

157 facilities

Power required (KW)	6,901
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COMMUNICATIONS

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Cellular Towers (18)	11	35-75	594

EDUCATION

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Public Schools (40)	12	200-300	3,000
Private Schools (3)	0	200-300	0

EMERGENCY SERVICES

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
National Shelter System Facilities (27)	0	0-0	0
Fire Stations (18)	2	15-35	45
Emergency Medical Service (EMS) Stations (6)	1	15-35	15

HEALTHCARE

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Nursing Homes (8)	1	35-100	81
Hospitals (2)	1	800-2000	840

LAW ENFORCEMENT

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Law Enforcement Locations (19)	2	15-35	48

POWER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Electric Power Generation Plants (5)	0	0-0	0

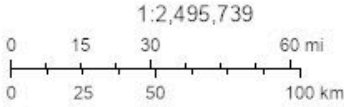
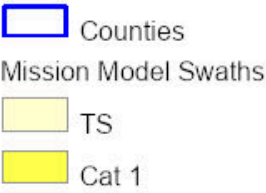
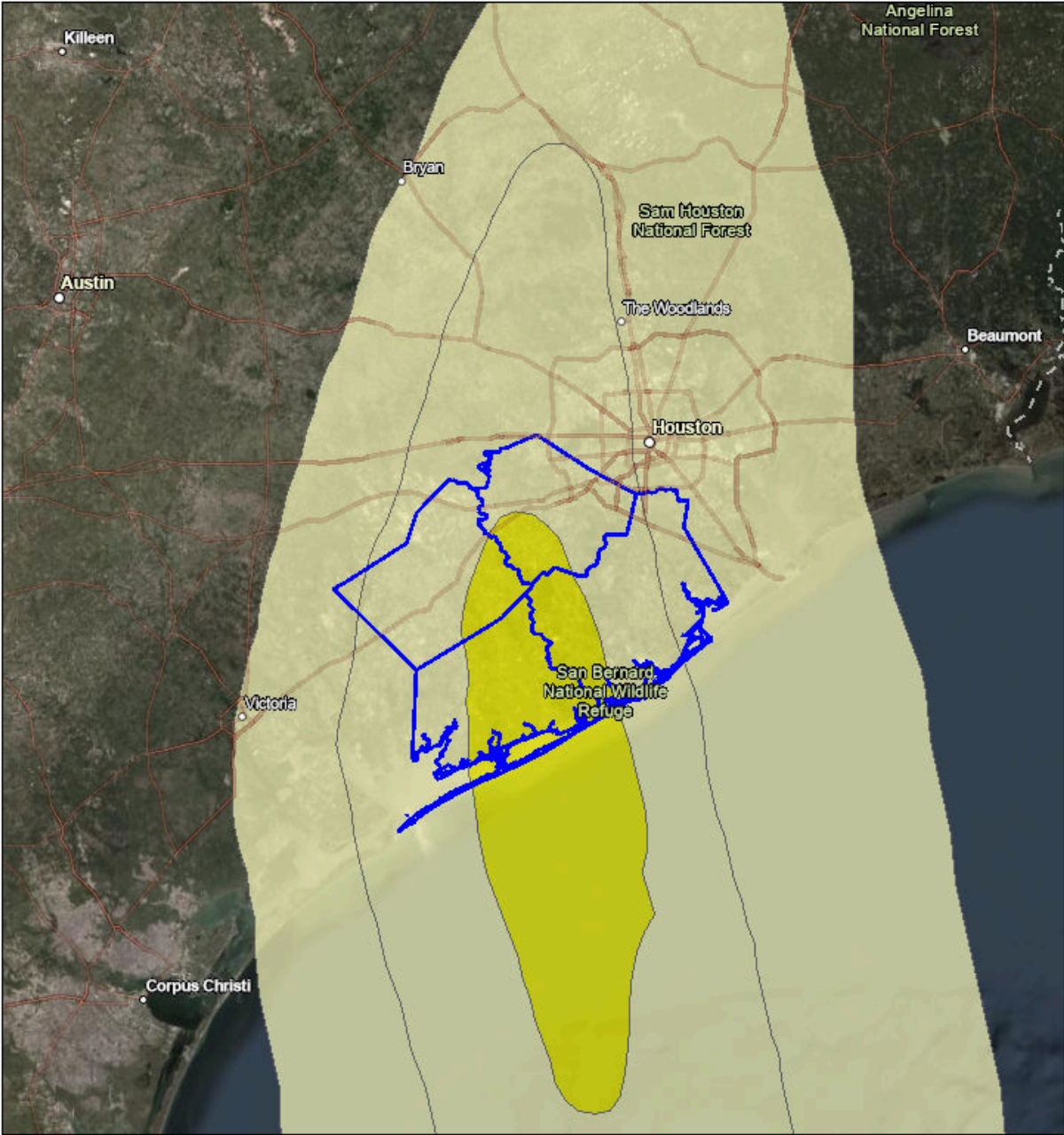
STATE AND LOCAL EOCs

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Local Emergency Operations Centers (EOC) (7)	1	15-40	39

WATER AND WASTEWATER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Wastewater Treatment Plants (4)	2	800-2000	2,240

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 Tropical Storm Beryl

Advisory 37: 4:00 PM CDT Sun Jul 07, 2024

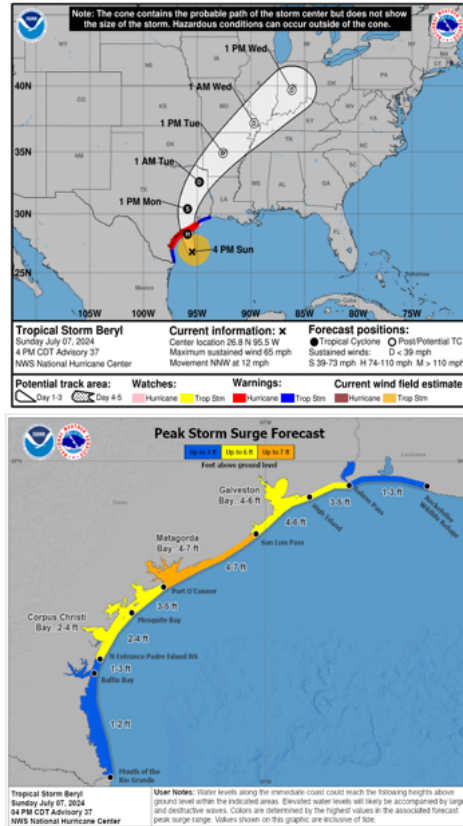


1. There is a danger of life-threatening storm surge inundation along the coast of Texas from the north entrance to the Padre Island National Seashore to Sabine Pass, including Matagorda Bay and Galveston Bay. Residents in those areas should follow any advice given by local officials and follow evacuation orders.

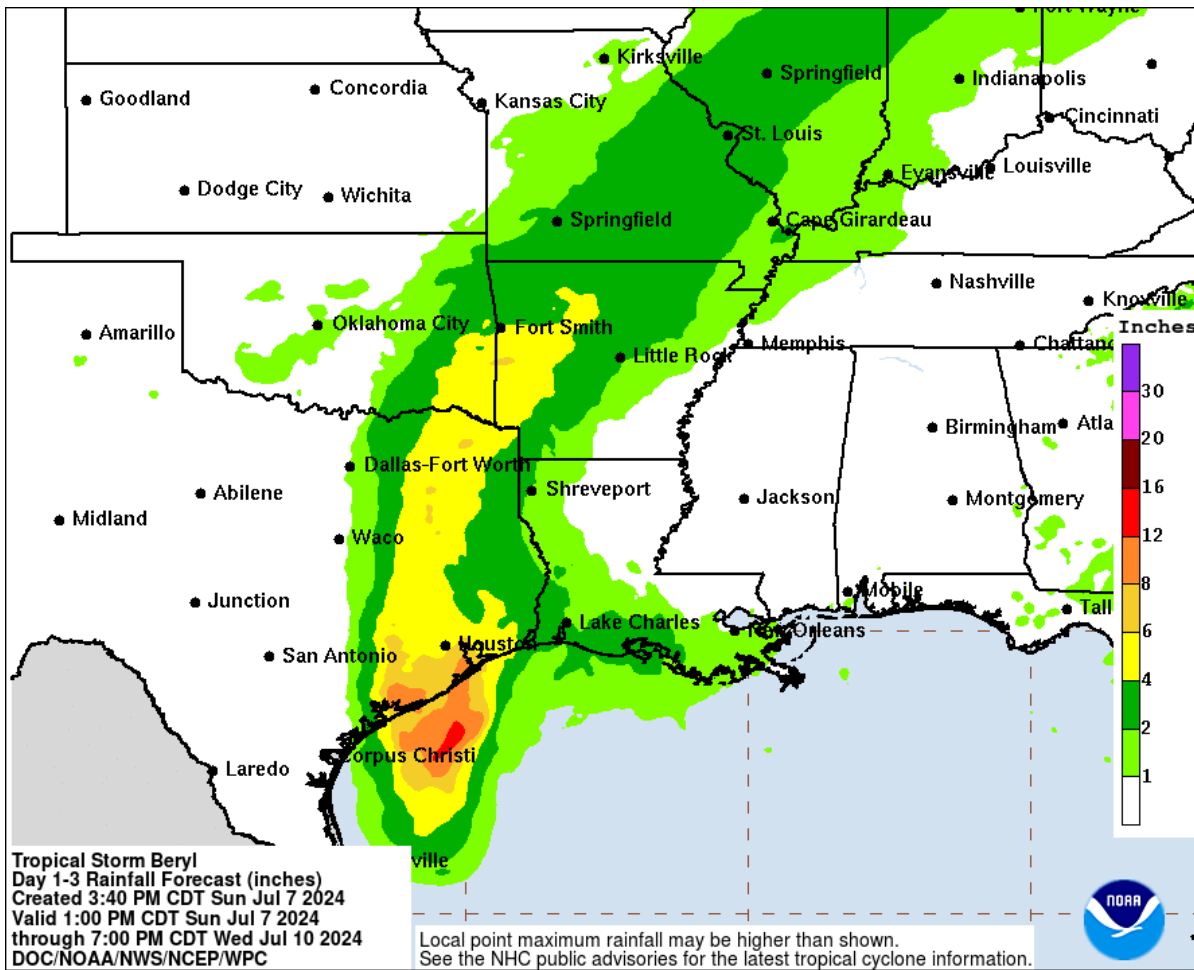
2. Beryl is forecast to bring damaging hurricane-force winds to portions of the Texas coast tonight and early Monday. A Hurricane Warning is in effect from Baffin Bay to San Luis Pass.

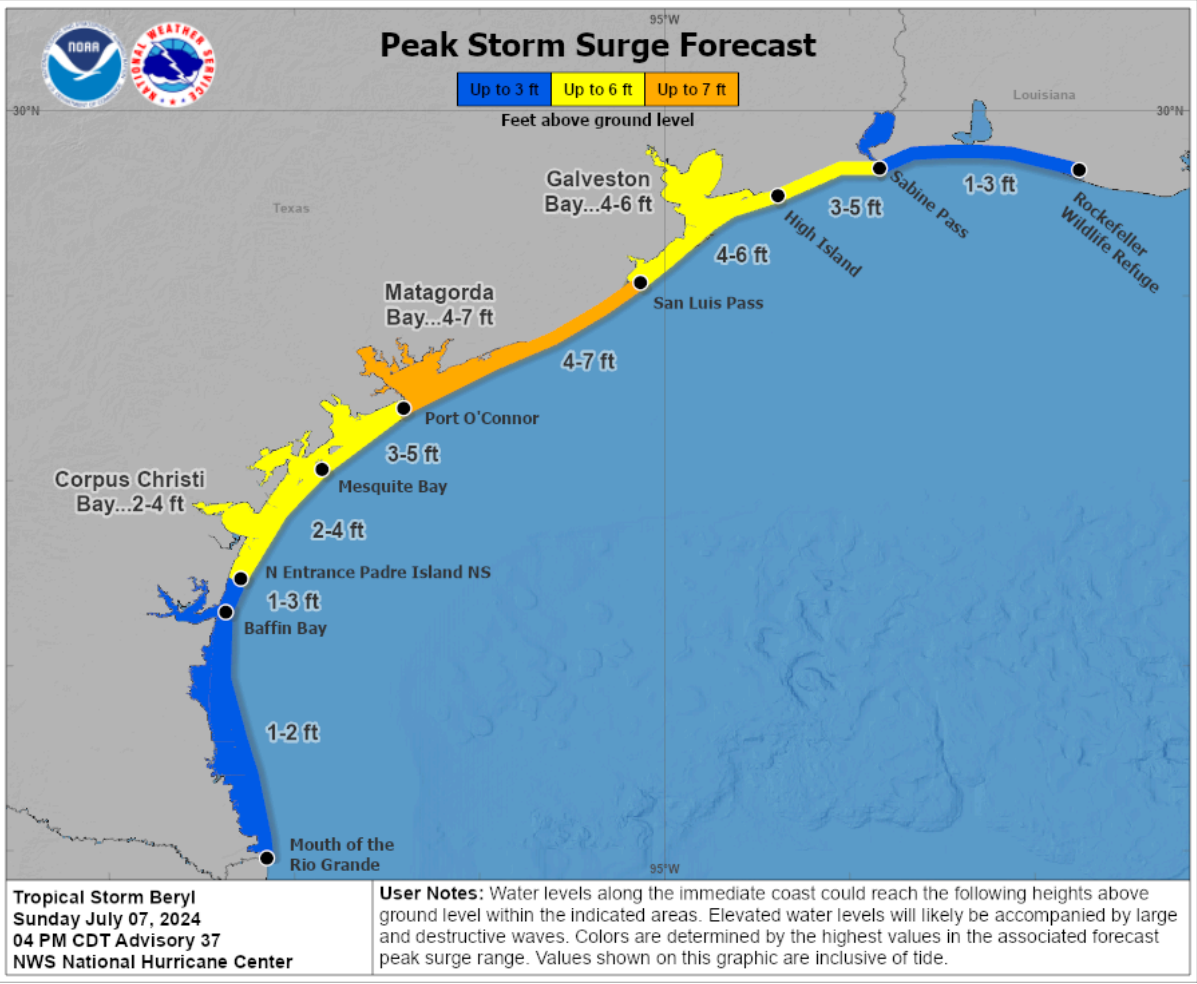
3. Considerable flash and urban flooding is expected tonight through Monday night across portions of the middle and upper Texas Gulf Coast and eastern Texas. Minor to isolated major river flooding is also expected.

4. Rip currents will cause life-threatening beach conditions through Monday 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

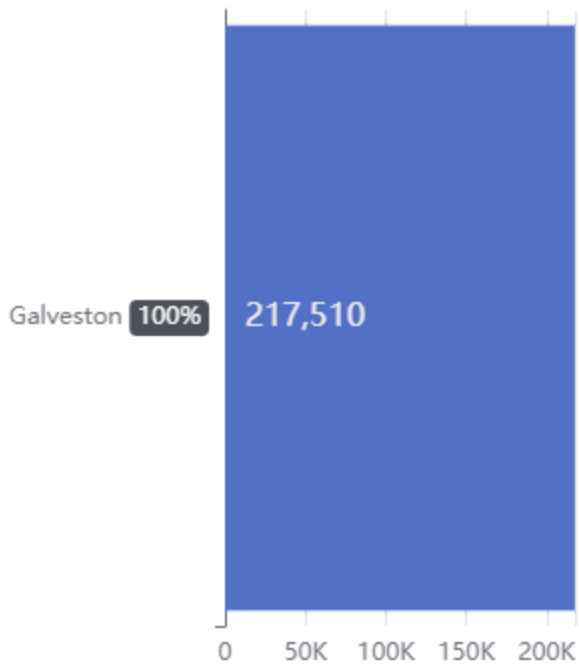




Mission Model Summary

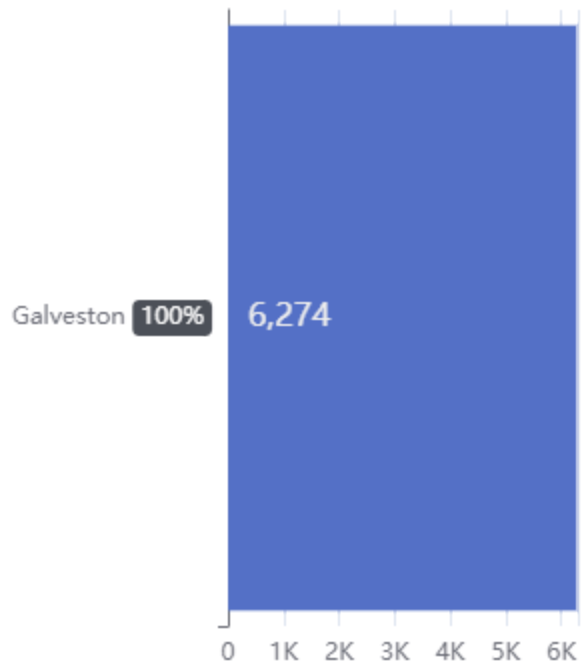
217,510 Cubic Yards

Total Debris By USACE District



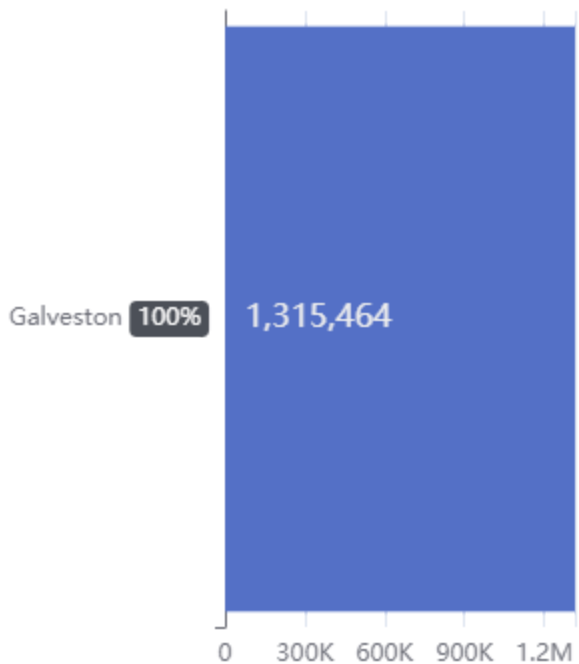
6,274 Units

Total Estimated Roofing By USACE District



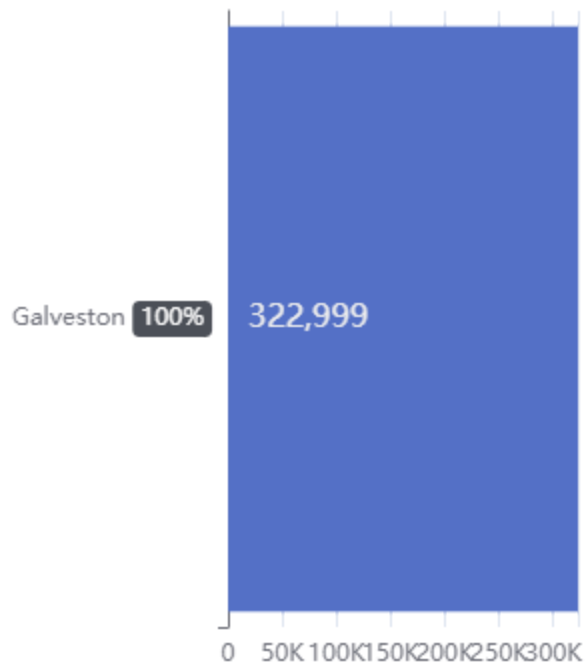
1,315,464 People

Total Population By USACE District



322,999 Households

Total Households By USACE District

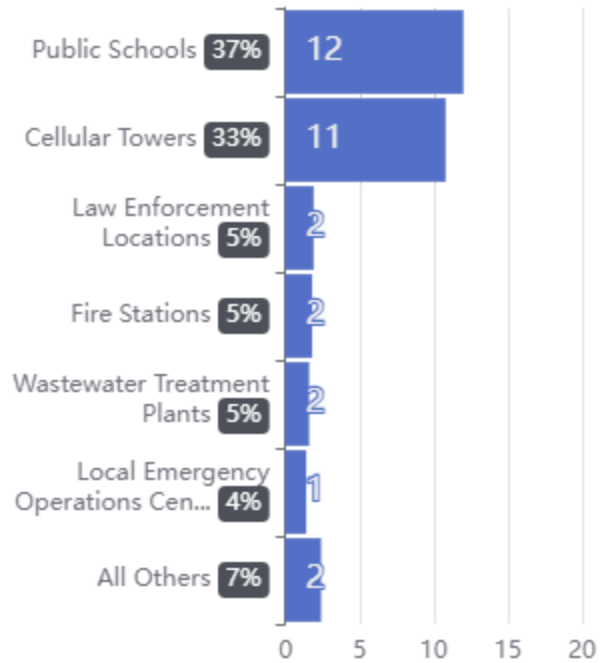


Critical Infrastructure Summary



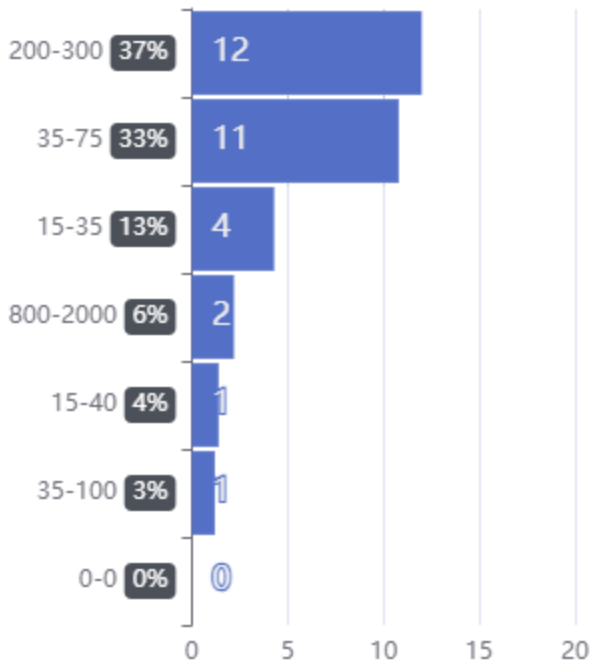
Generators

By Generator Count



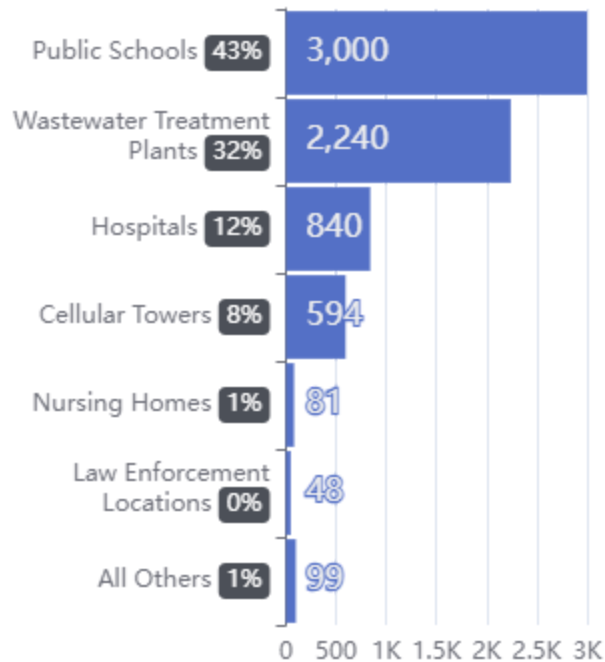
Generators

By Range



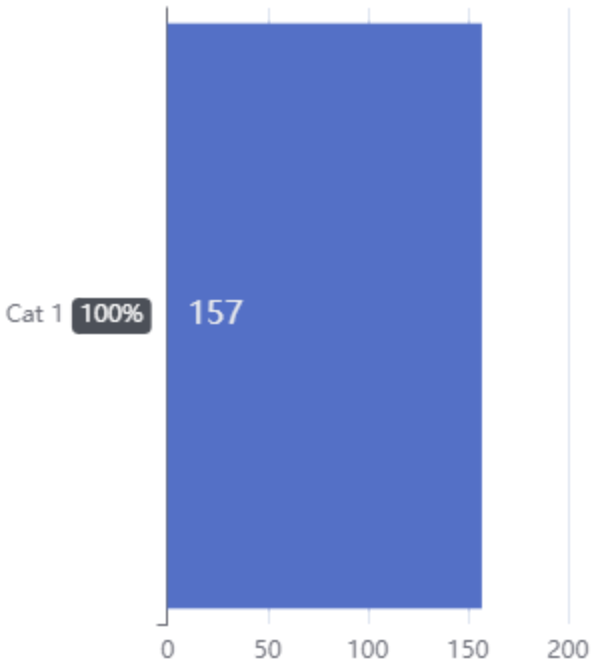
Generators

By Power Requirement (KW)



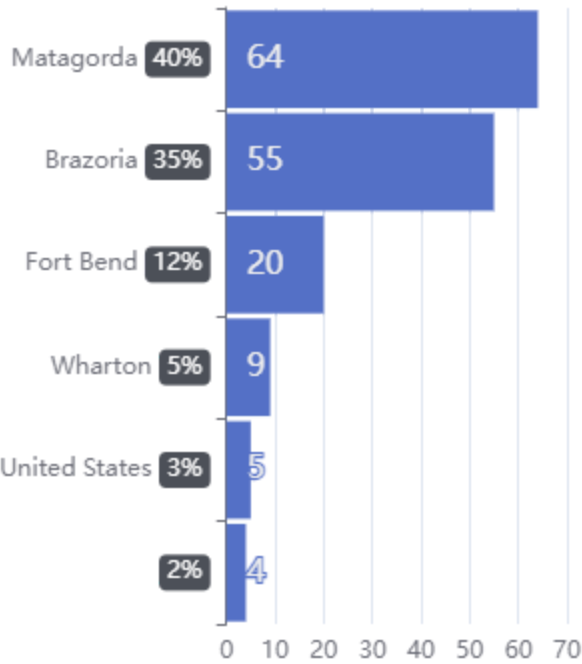
Structures

By Intensity



Structures

By County

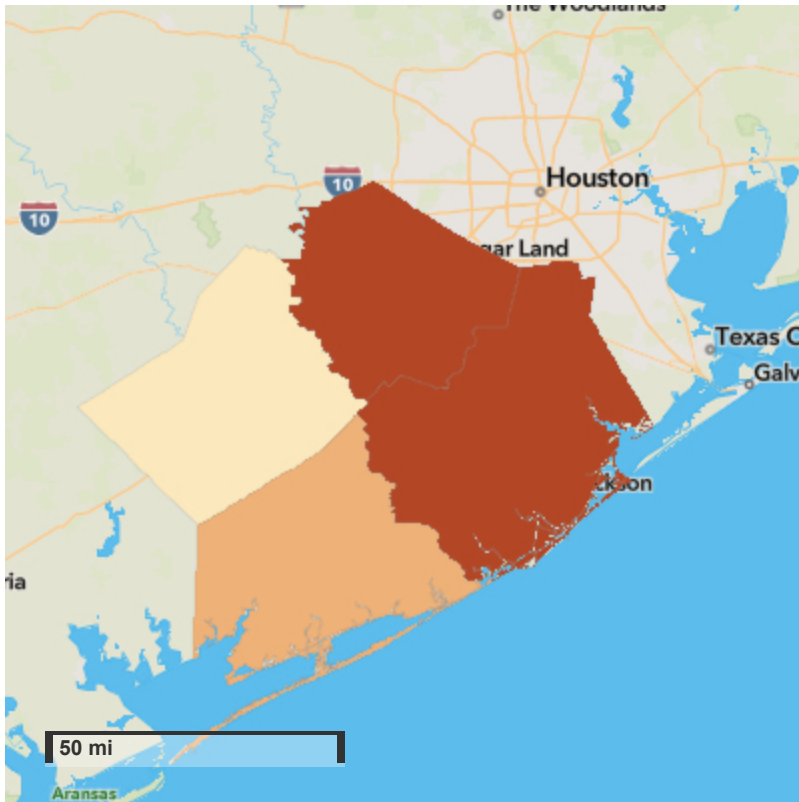
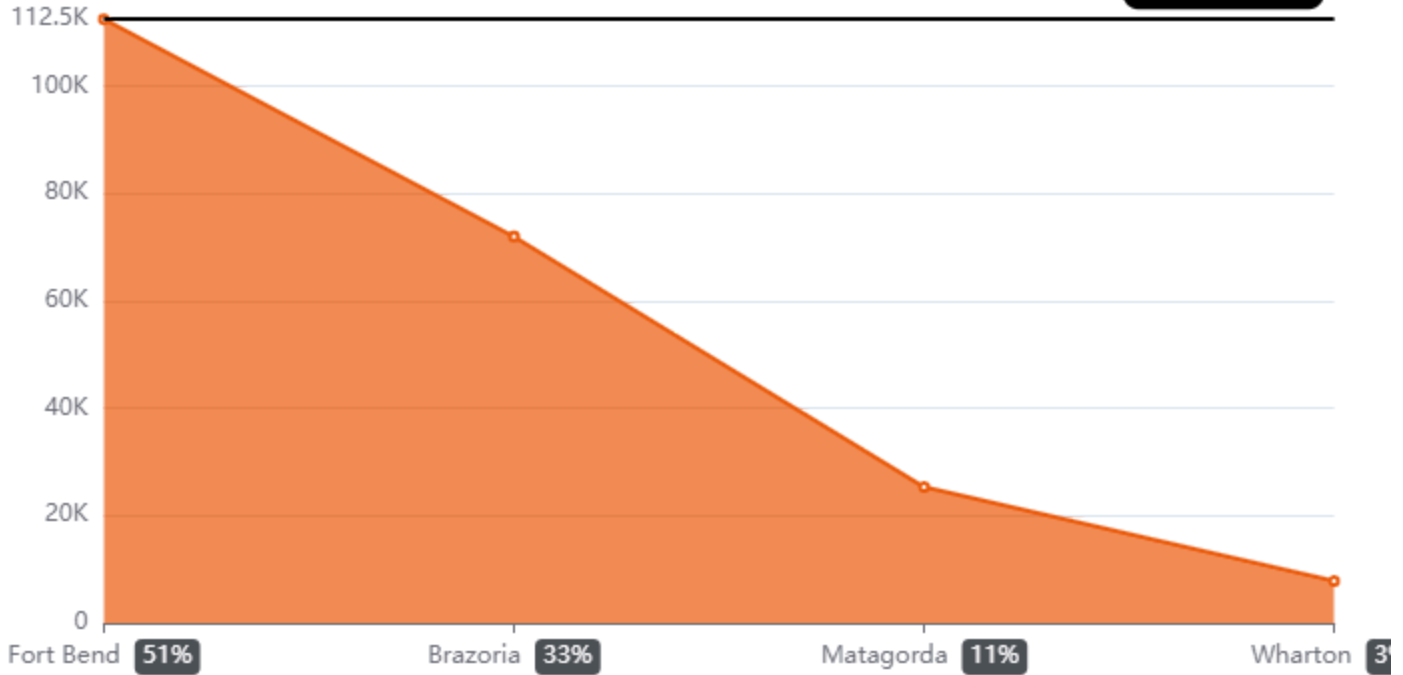


Debris

217,510 Cubic Yards

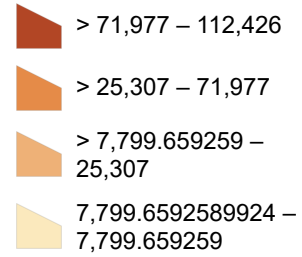
Total Debris by County

MAX: 112,426



Mission Models

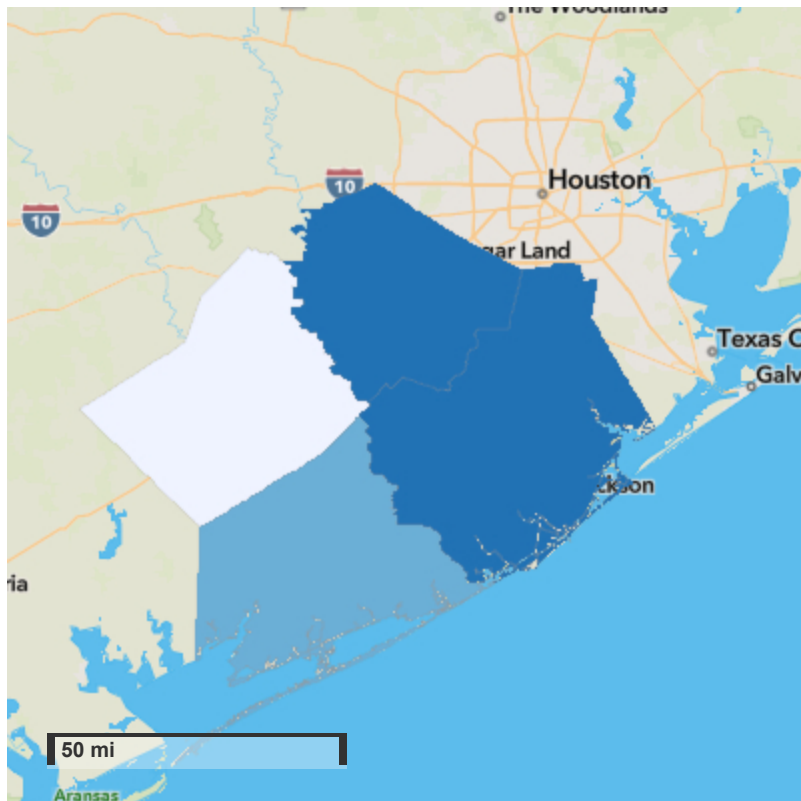
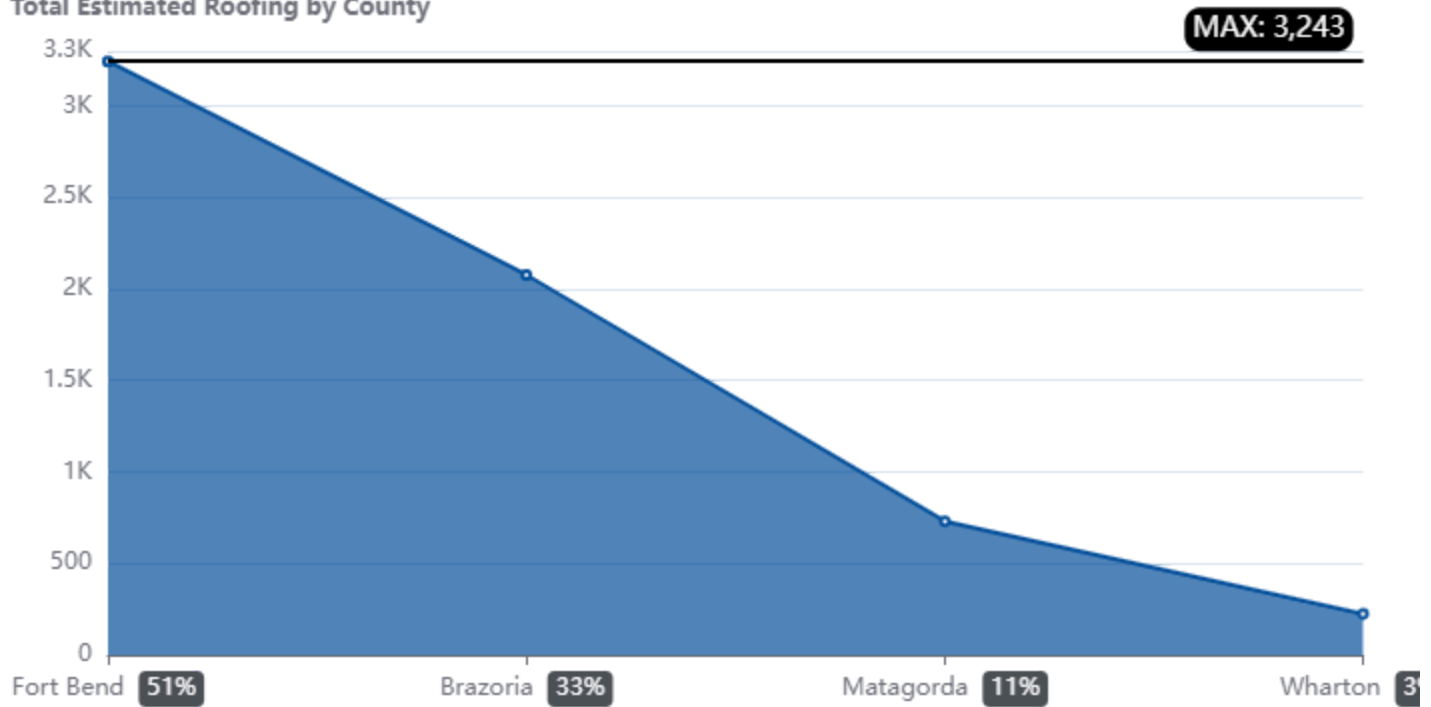
Debris (cu.yds.)



Estimated Temporary Roofing

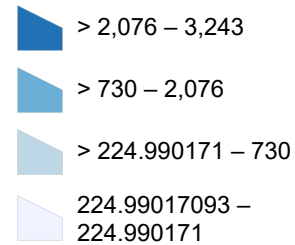
6,274 Units

Total Estimated Roofing by County



Mission Models

Roofing Est. (units)

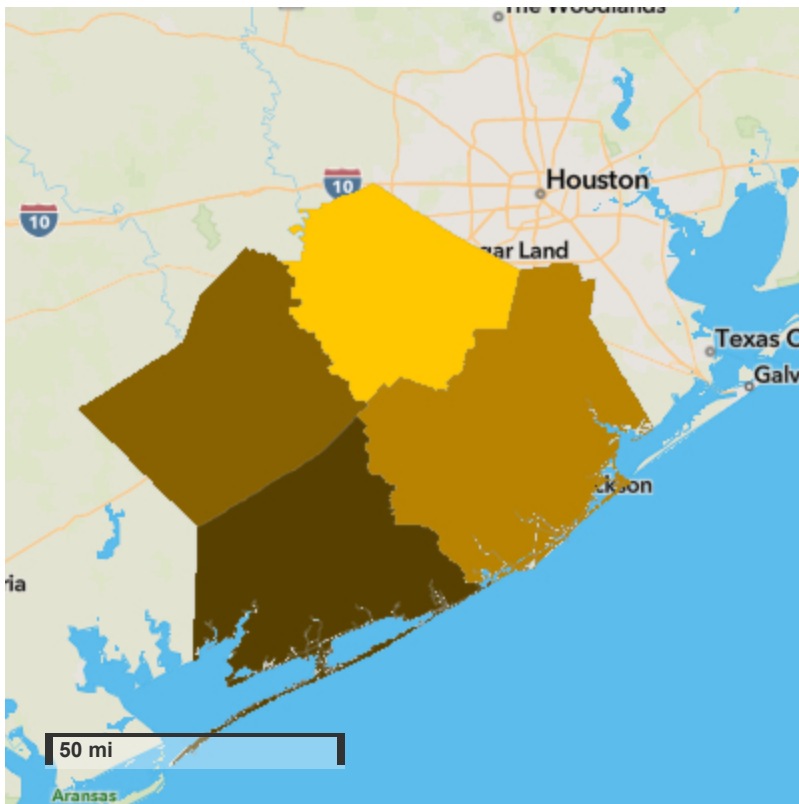
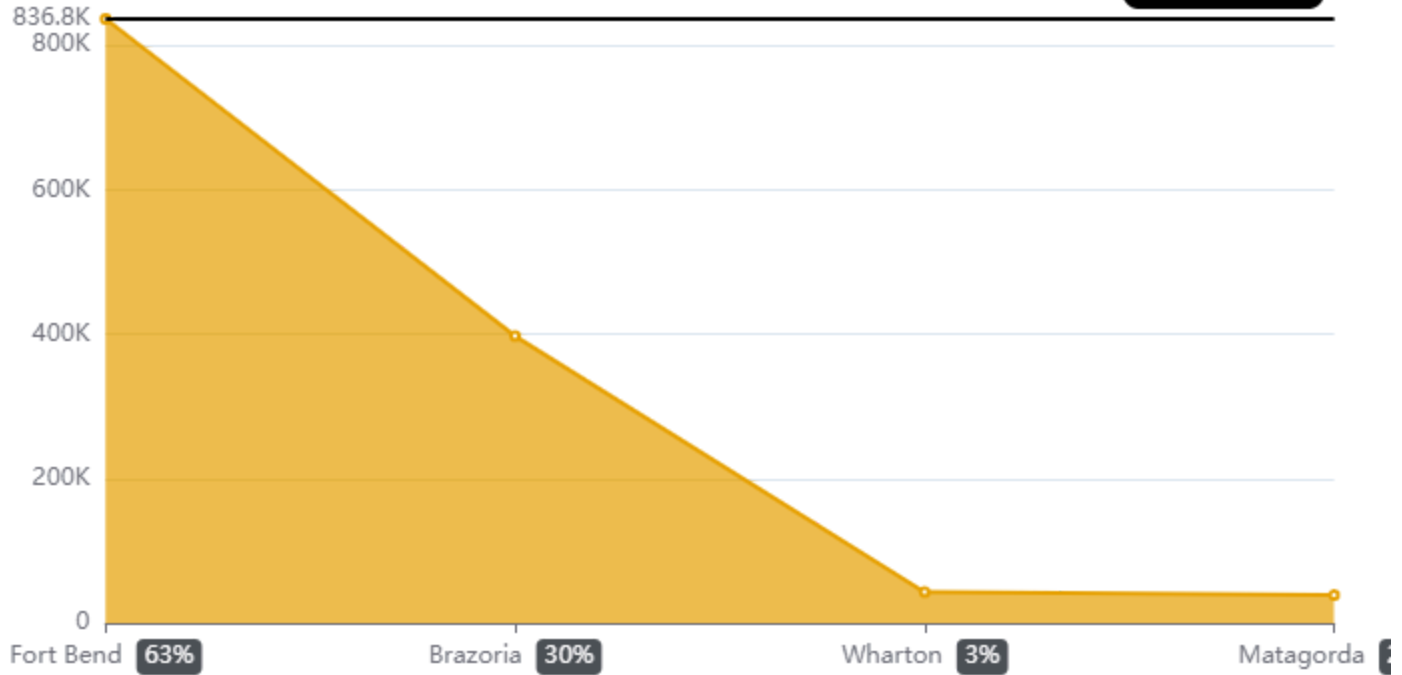


Population

1,315,464 People

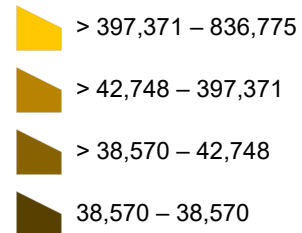
Total Population by County

MAX: 836,775



Mission Models

Population

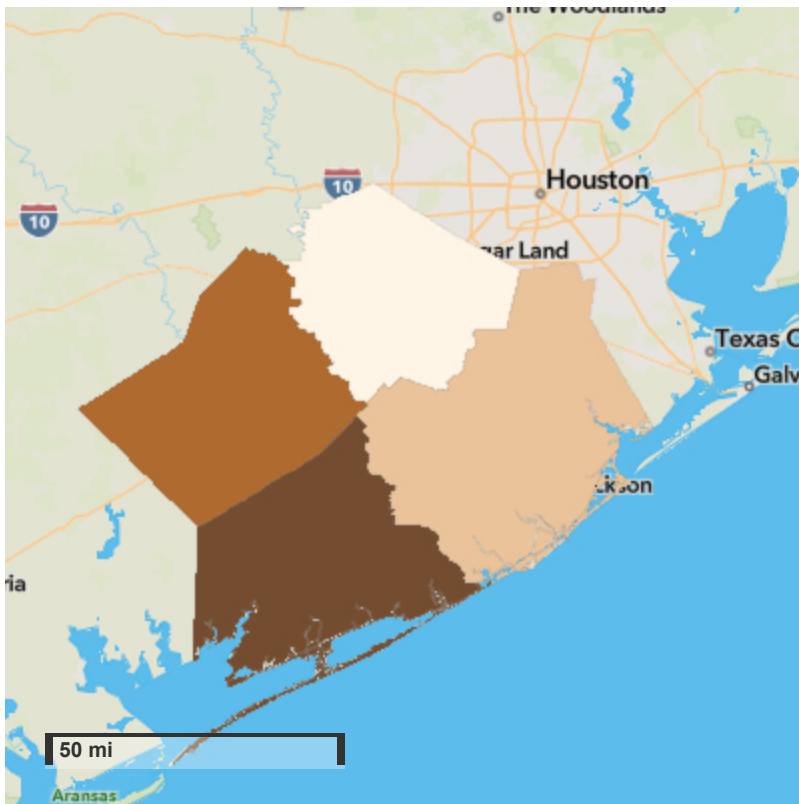
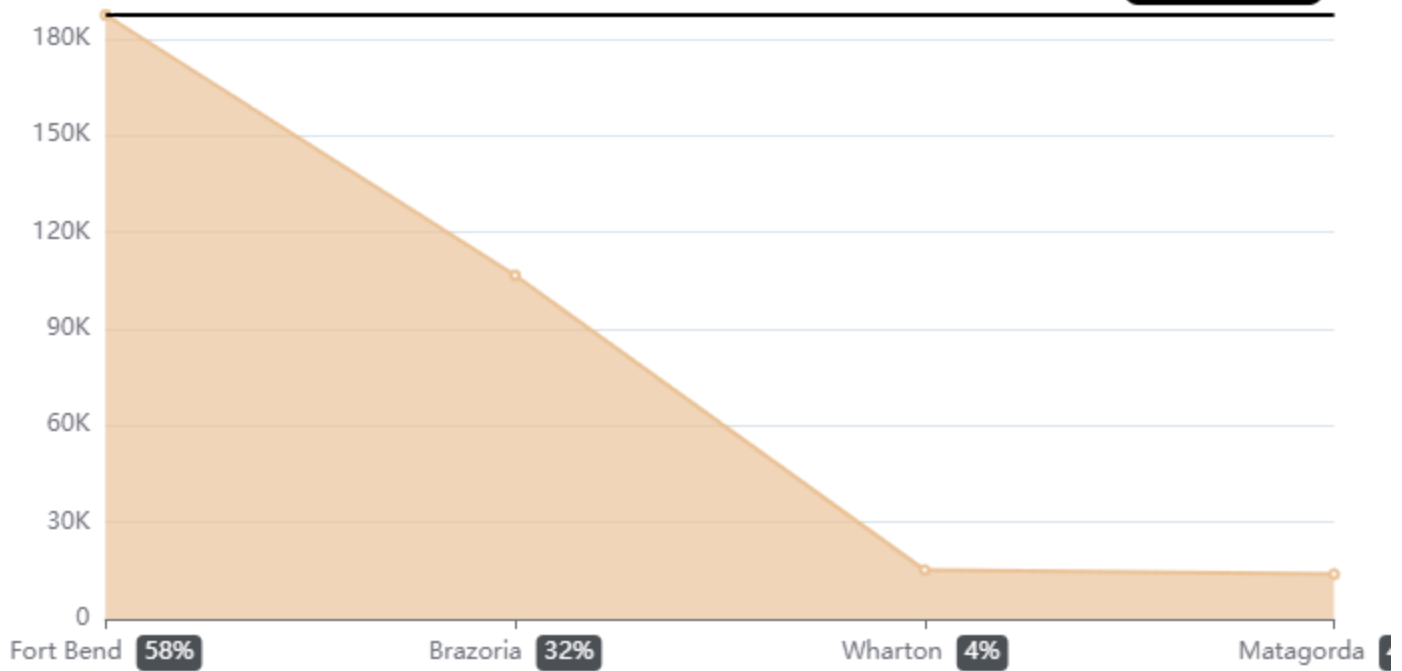


Households

322,999 Households

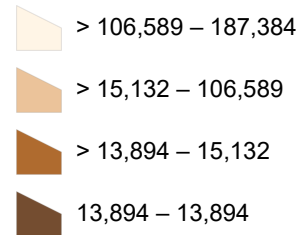
Total Households by County

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