



Hurricane Beryl - Advisory #36

For planning purposes only!

WASHINGTON, DC

11:53

Jul 7, 2024

CHICAGO

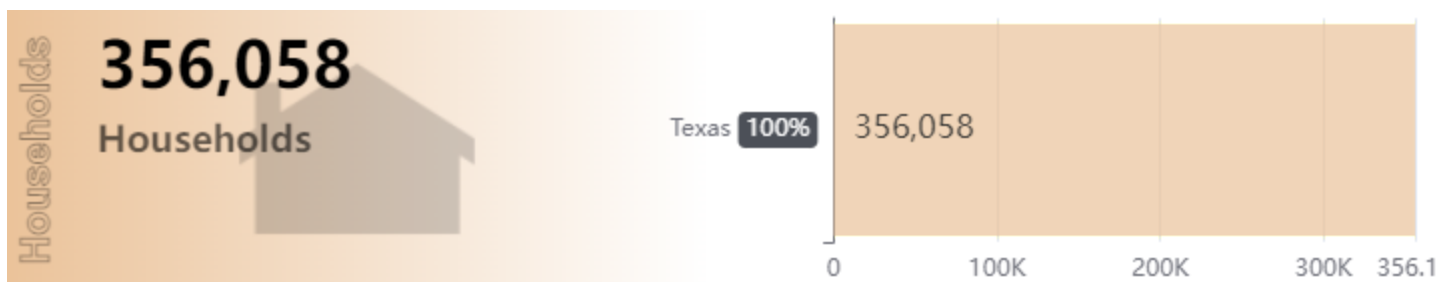
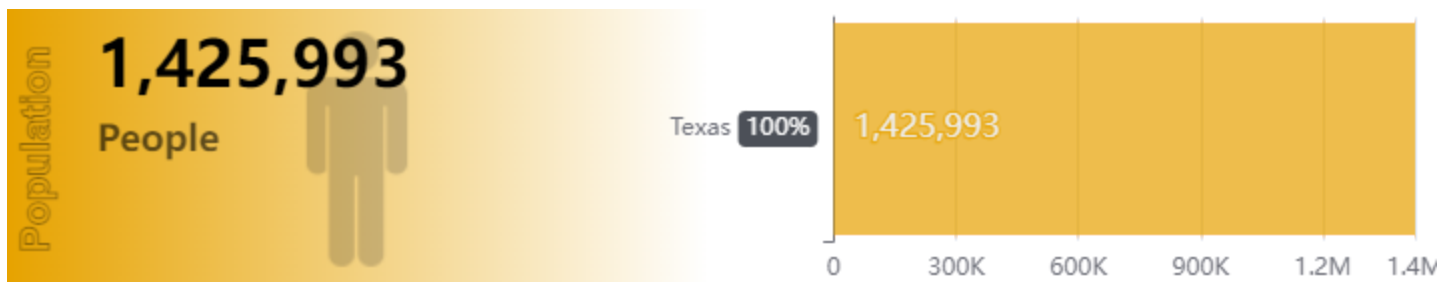
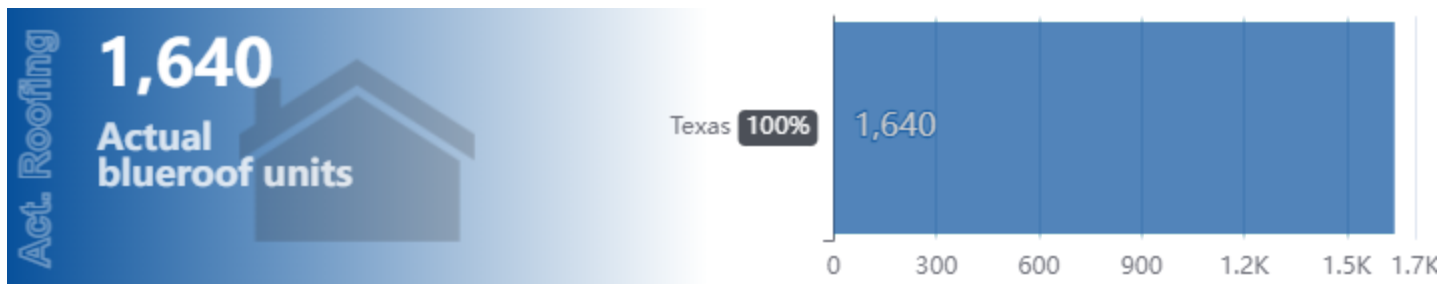
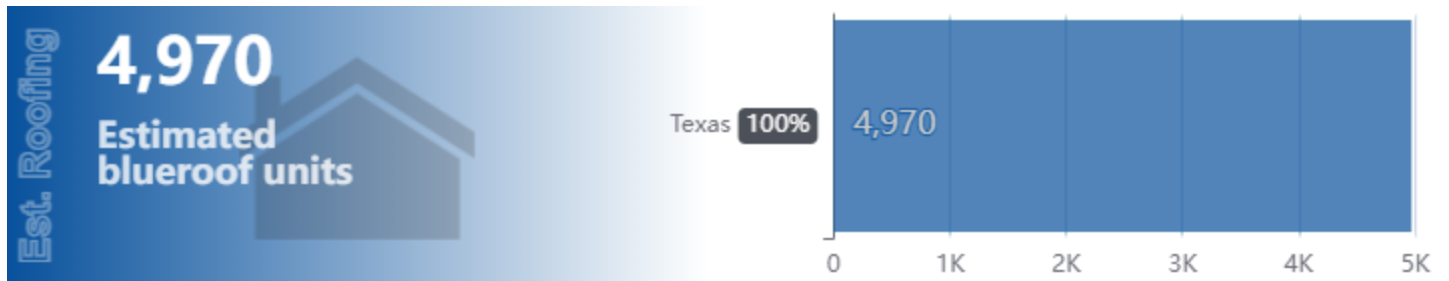
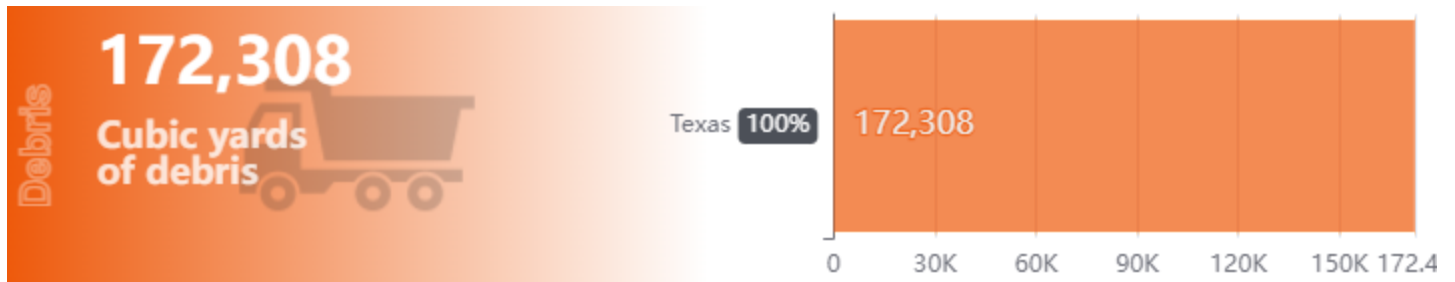
10:53

Jul 7, 2024

LOS ANGELES

08:53

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
7 counties

Debris (cu.yds.)	172,308
Roofing Est. (units)	4,970
Roofing Act. (units)	1,640
Population	1,425,993
Households	356,058

POPULATION DISTRIBUTION

Centroid Swath	Population
TS (5)	1,344,675
Cat 1 (2)	81,318

TEXAS

Name	Debris (cu.yds.)	Roofing Est. (units)	Roofing Act. (units)	Population	Households
Wharton	28,539	823	272	42,748	15,132
Waller	5,100	147	49	56,952	14,040
Matagorda	28,273	816	269	38,570	13,894
Fort Bend	97,328	2,808	926	836,775	187,384
Colorado	2,039	59	19	22,123	8,182
Brazoria	496	14	5	397,371	106,589
Austin	10,533	304	100	31,454	10,837

Critical Infrastructure Results

SUMMARY

199 facilities

Power required (KW)	9,781
----------------------------	-------

COMMUNICATIONS

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Cellular Towers (19)	11	35-75	627

EDUCATION

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Public Schools (51)	15	200-300	3,825
Private Schools (5)	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 (35)	0	0-0	0
Fire Stations (19)	2	15-35	48
Emergency Medical Service (EMS) Stations (11)	1	15-35	28

HEALTHCARE

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Nursing Homes (11)	2	35-100	111
Hospitals (4)	1	800-2000	1,680

LAW ENFORCEMENT

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Law Enforcement Locations (28)	3	15-35	70

POWER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Electric Power Generation Plants (4)	0	0-0	0

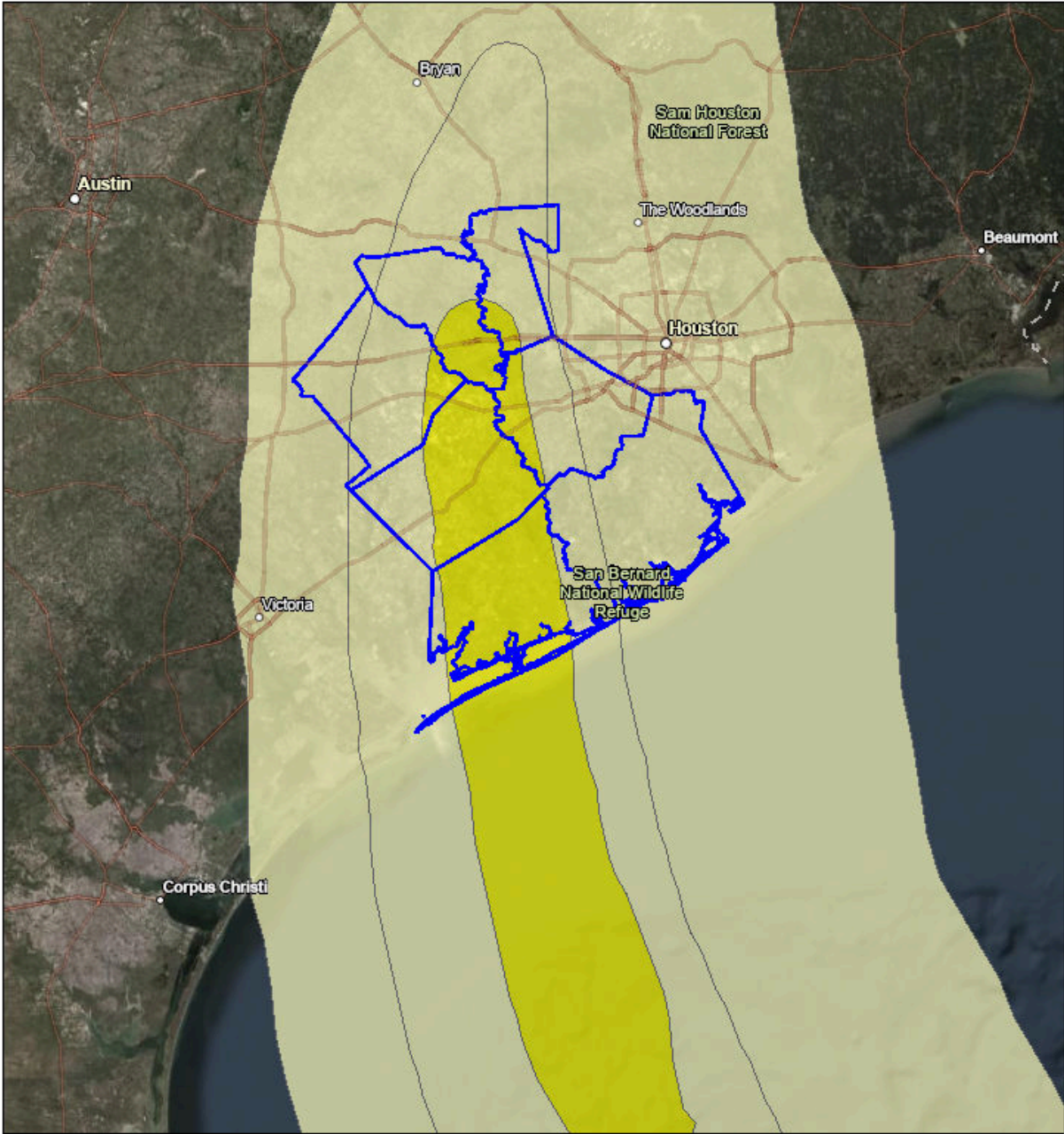
STATE AND LOCAL EOCs

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Local Emergency Operations Centers (EOC) (5)	1	15-40	28

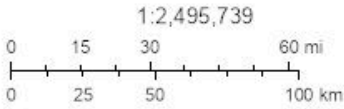
WATER AND WASTEWATER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Wastewater Treatment Plants (6)	2	800-2000	3,360

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 36: 10:00 AM CDT Sun Jul 07, 2024

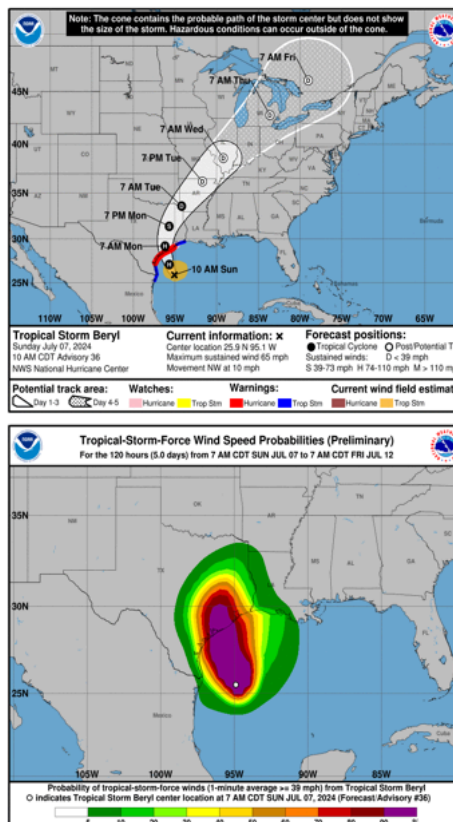


1. There is a danger of life-threatening storm surge inundation along the coast of Texas from the north entrance to the Padre Island National Seashore to Sabine Pass, including Matagorda Bay and Galveston Bay. Residents in those areas should follow any advice given by local officials and follow evacuation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

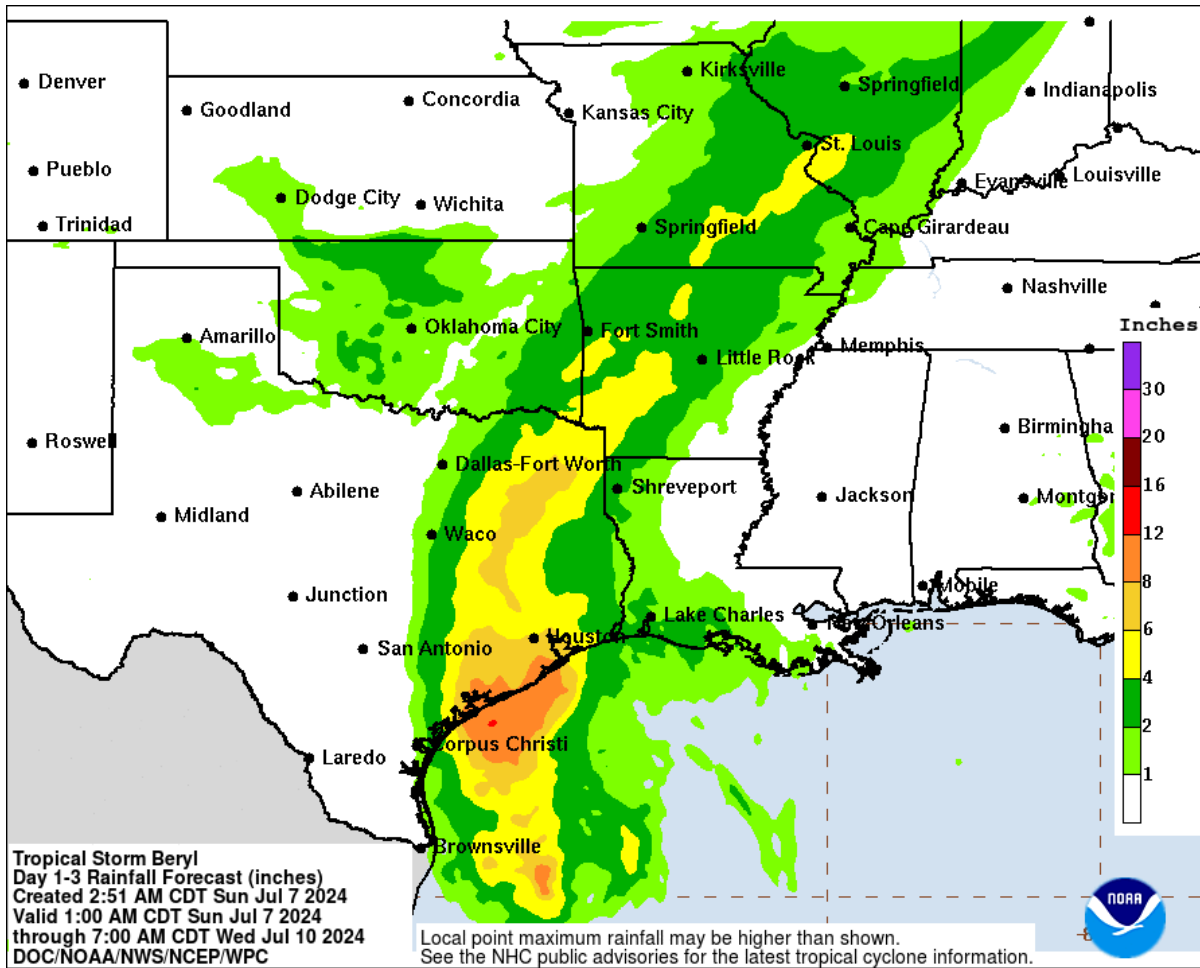
2. Beryl is forecast to bring damaging hurricane-force winds to portions of the Texas coast tonight and early Monday. A Hurricane Warning is in effect from Baffin Bay to San Luis Pass. Preparations should be rushed to completion before tropical storm conditions begin late today.

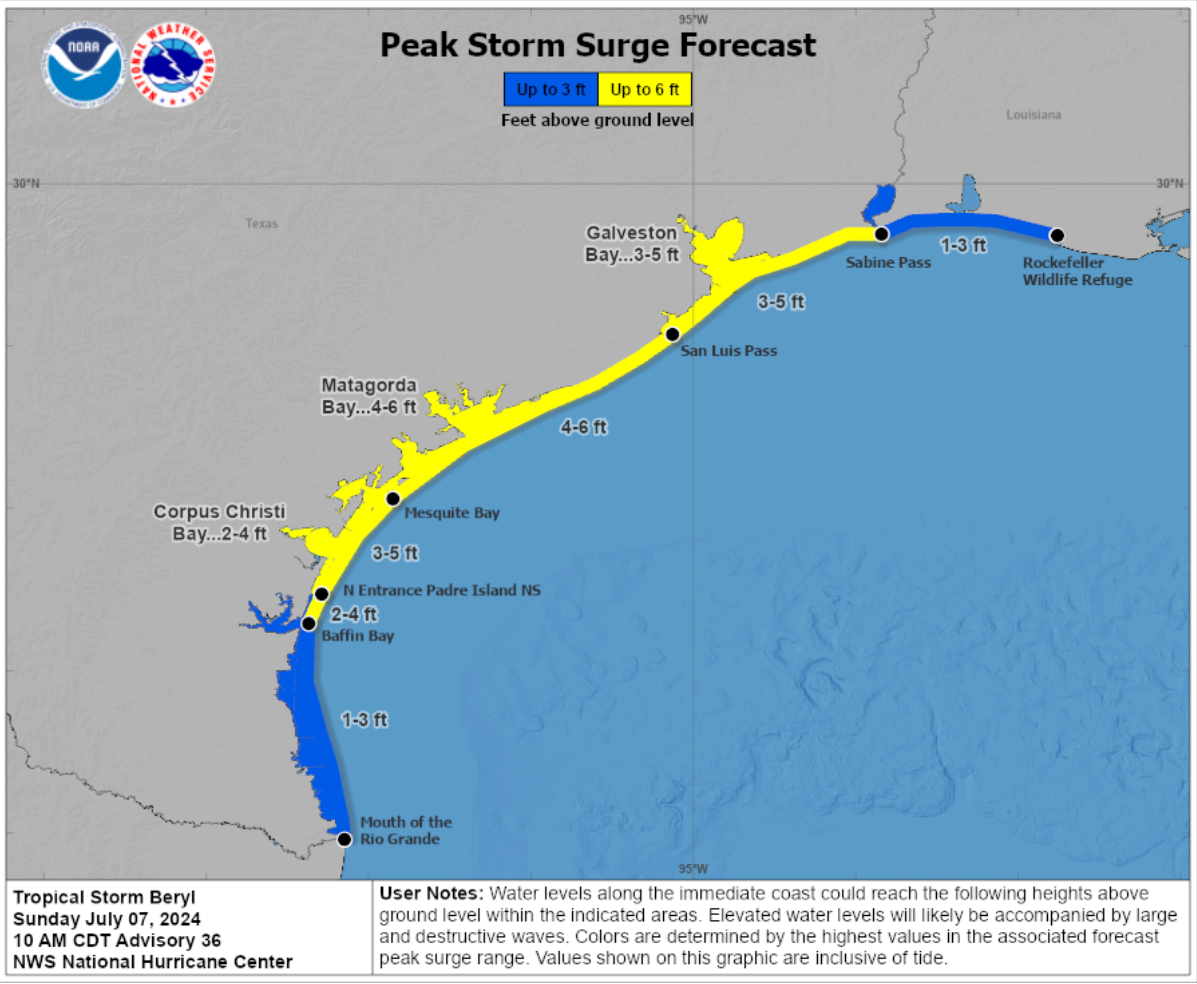
3. Flash and urban flooding, some of which may be locally considerable, is expected across portions of the middle and upper Texas Gulf Coast and eastern Texas today through Monday night. River flooding is also expected.

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

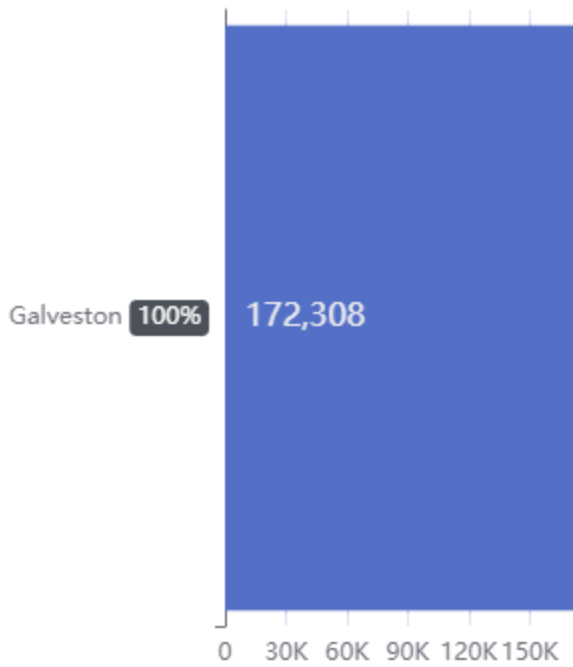




Mission Model Summary

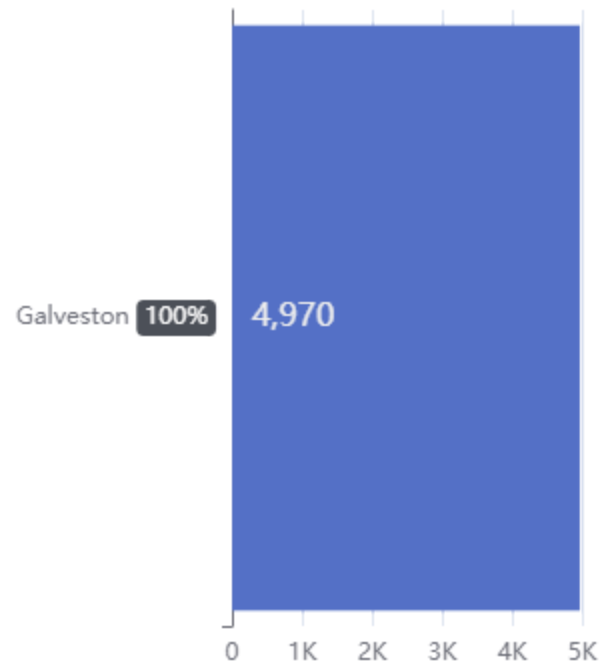
172,308 Cubic Yards

Total Debris By USACE District



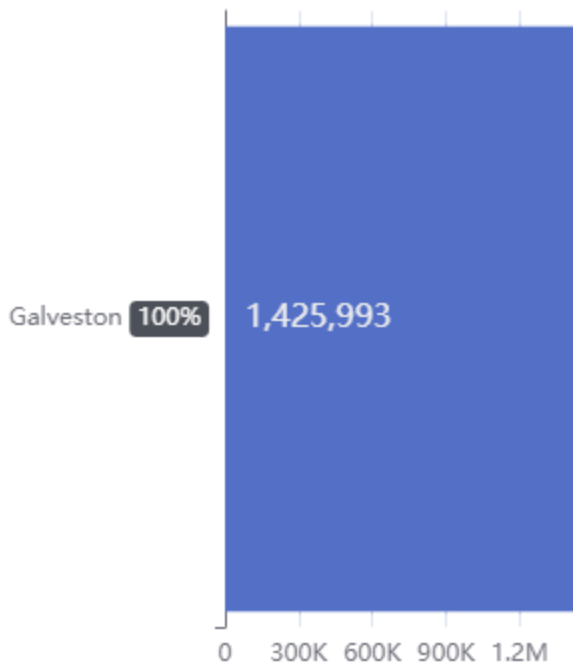
4,970 Units

Total Estimated Roofing By USACE District



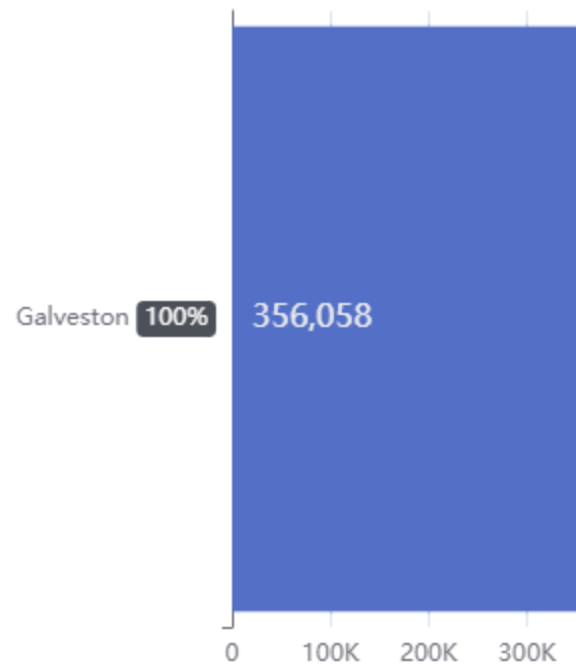
1,425,993 People

Total Population By USACE District



356,058 Households

Total Households By USACE District

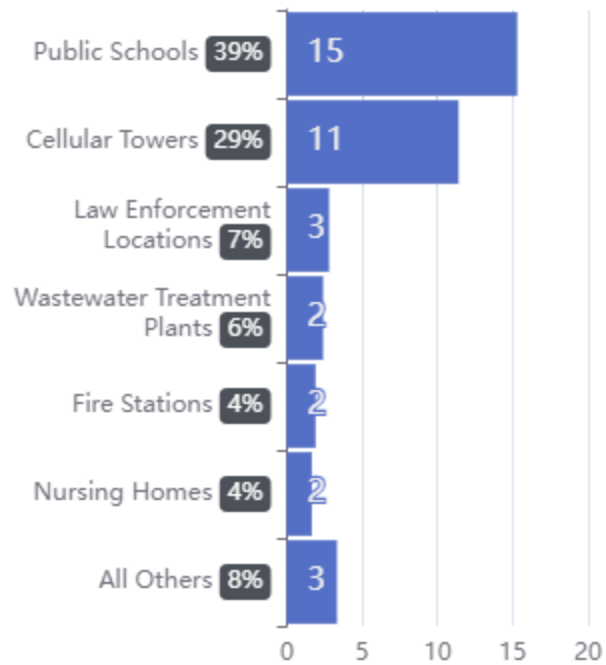


Critical Infrastructure Summary



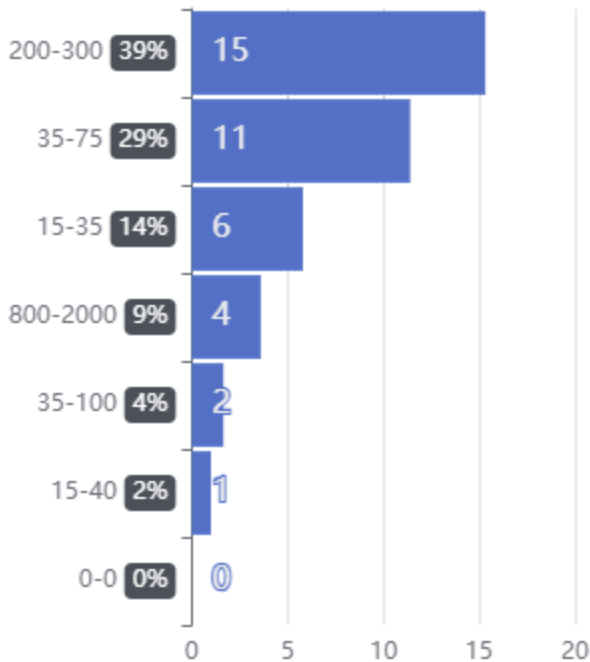
Generators

By Generator Count



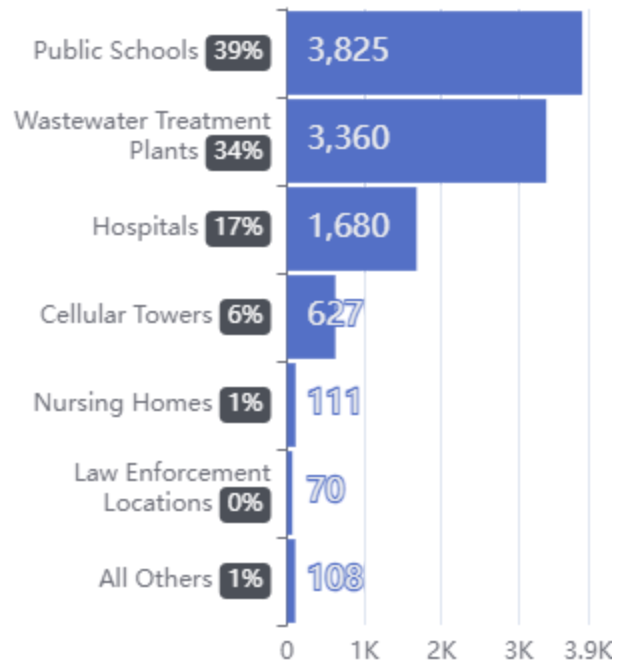
Generators

By Range



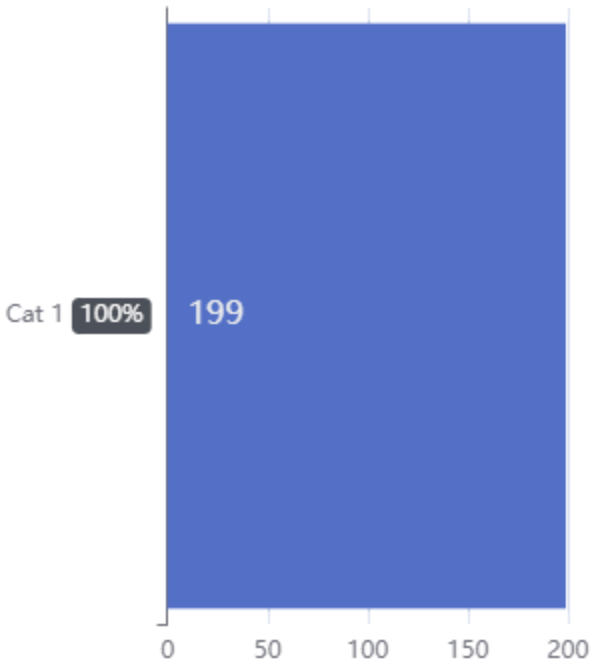
Generators

By Power Requirement (KW)



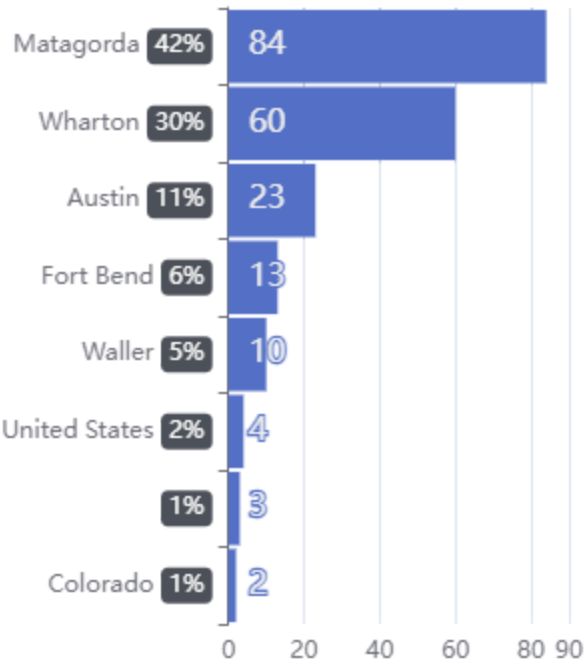
Structures

By Intensity



Structures

By County

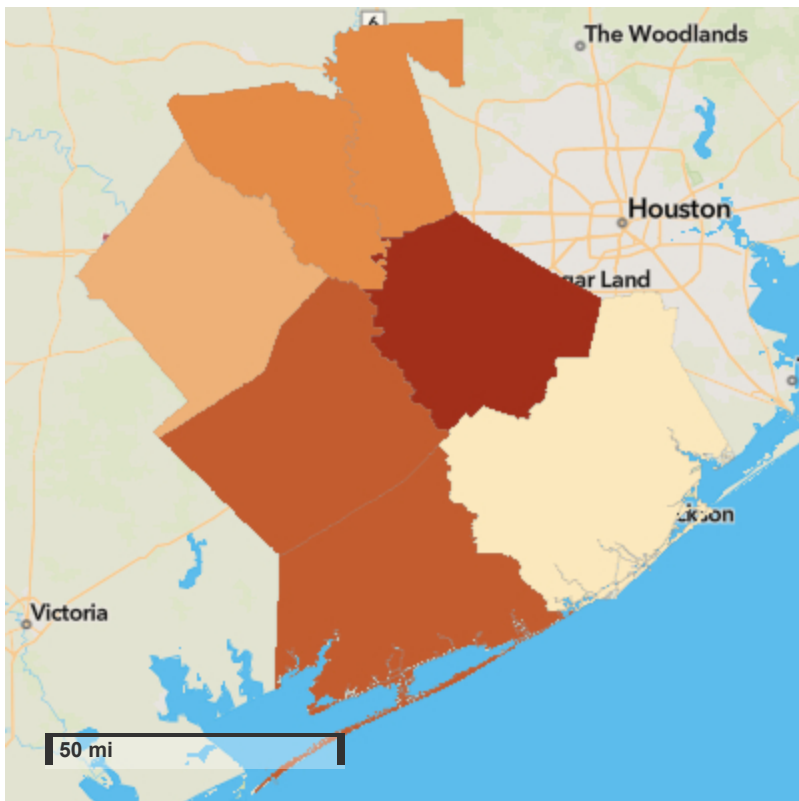
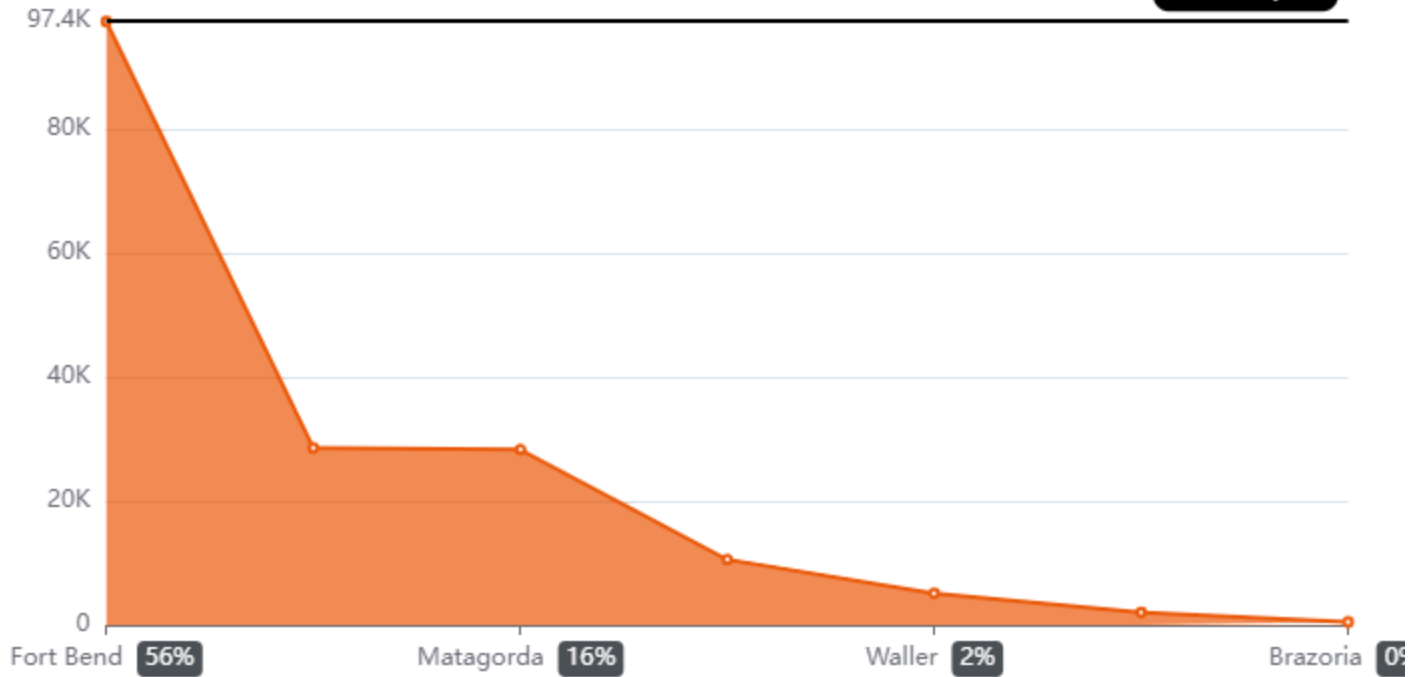


Debris

172,308 Cubic Yards

Total Debris by County

MAX: 97,328

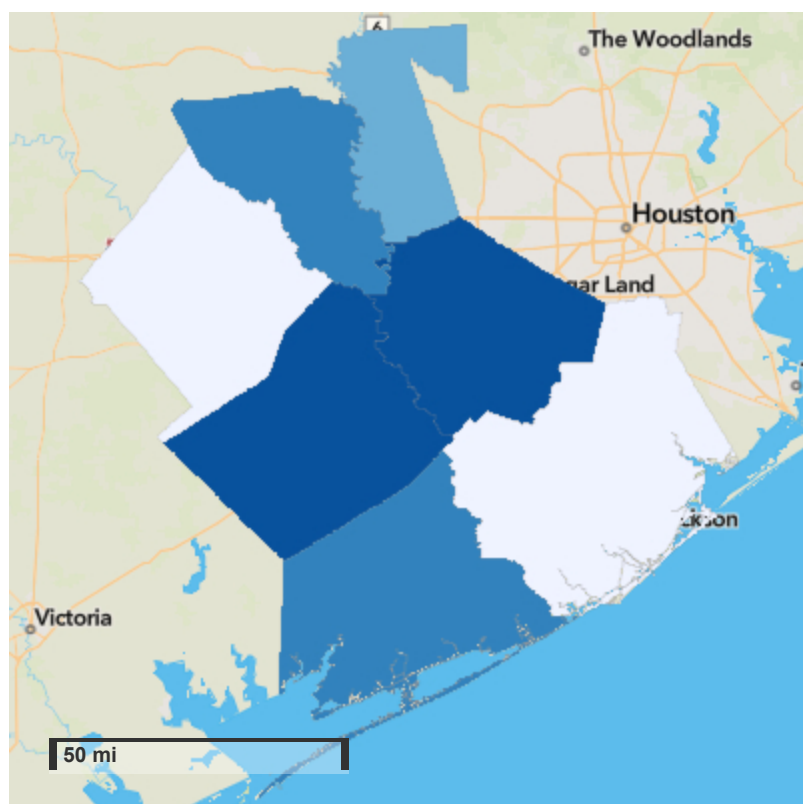
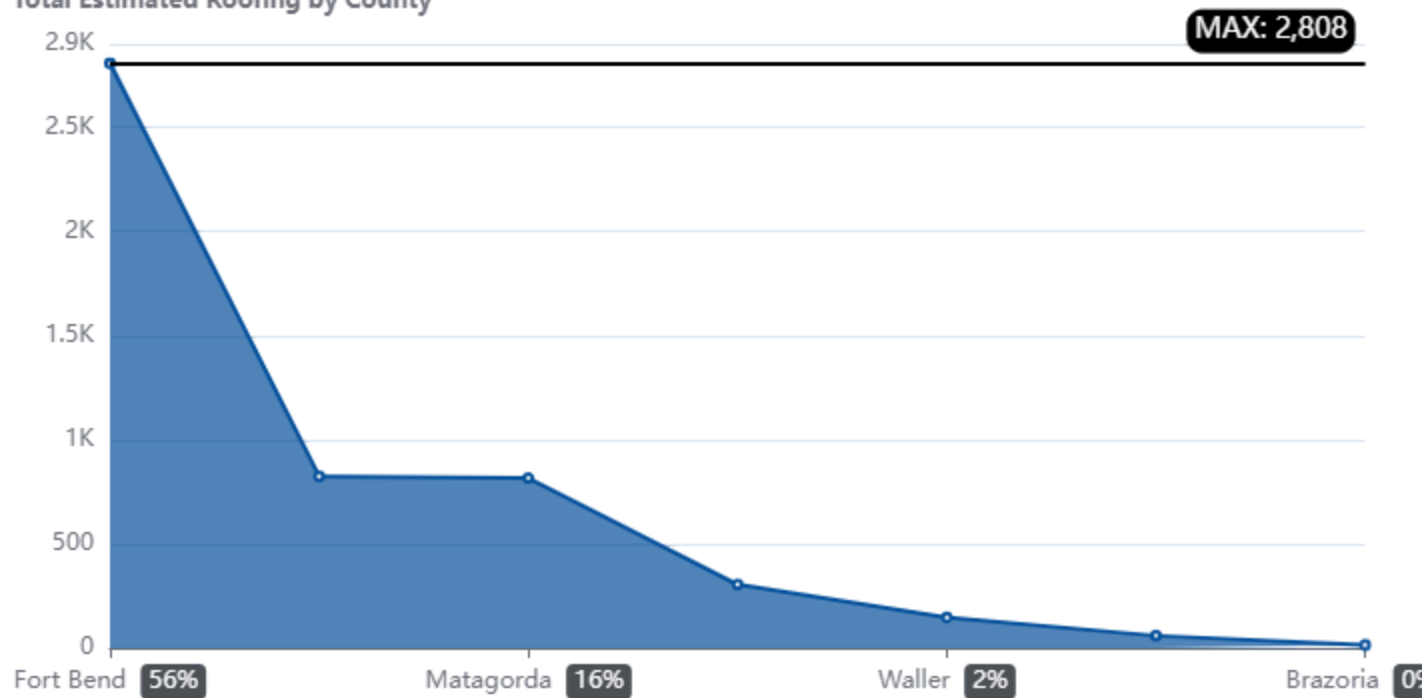


No legend

Estimated Temporary Roofing

4,970 Units

Total Estimated Roofing by County

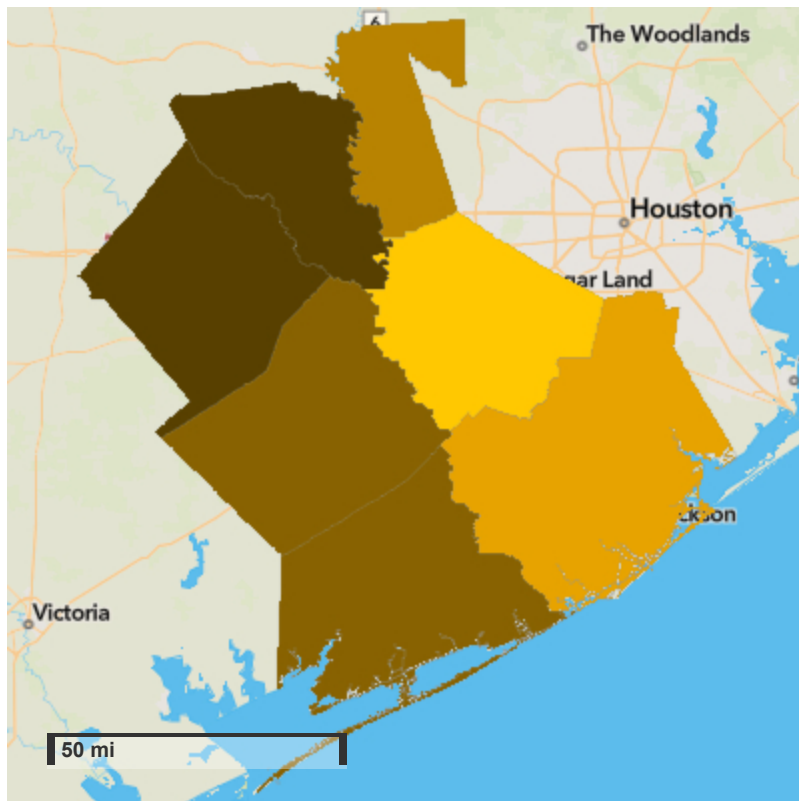
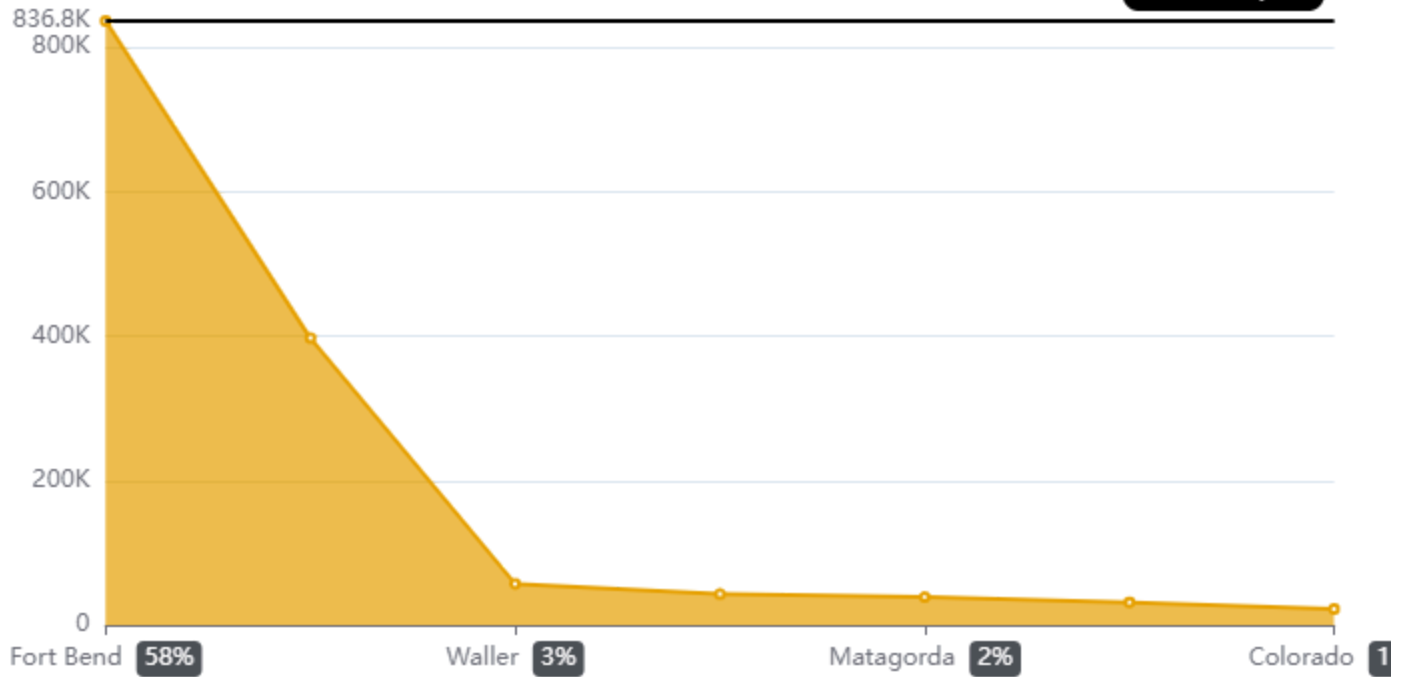


Population

1,425,993 People

Total Population by County

MAX: 836,775



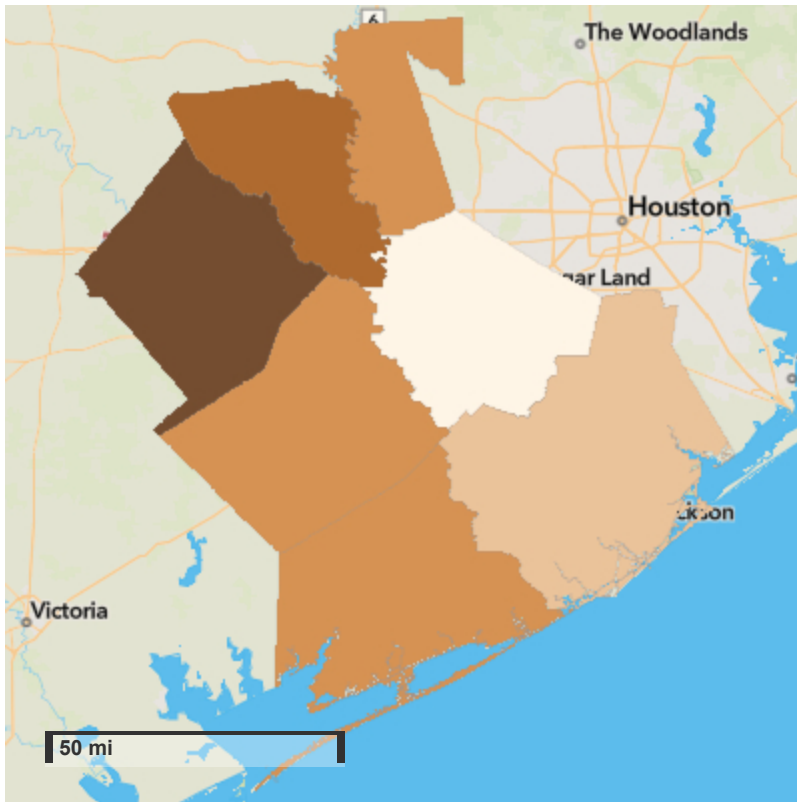
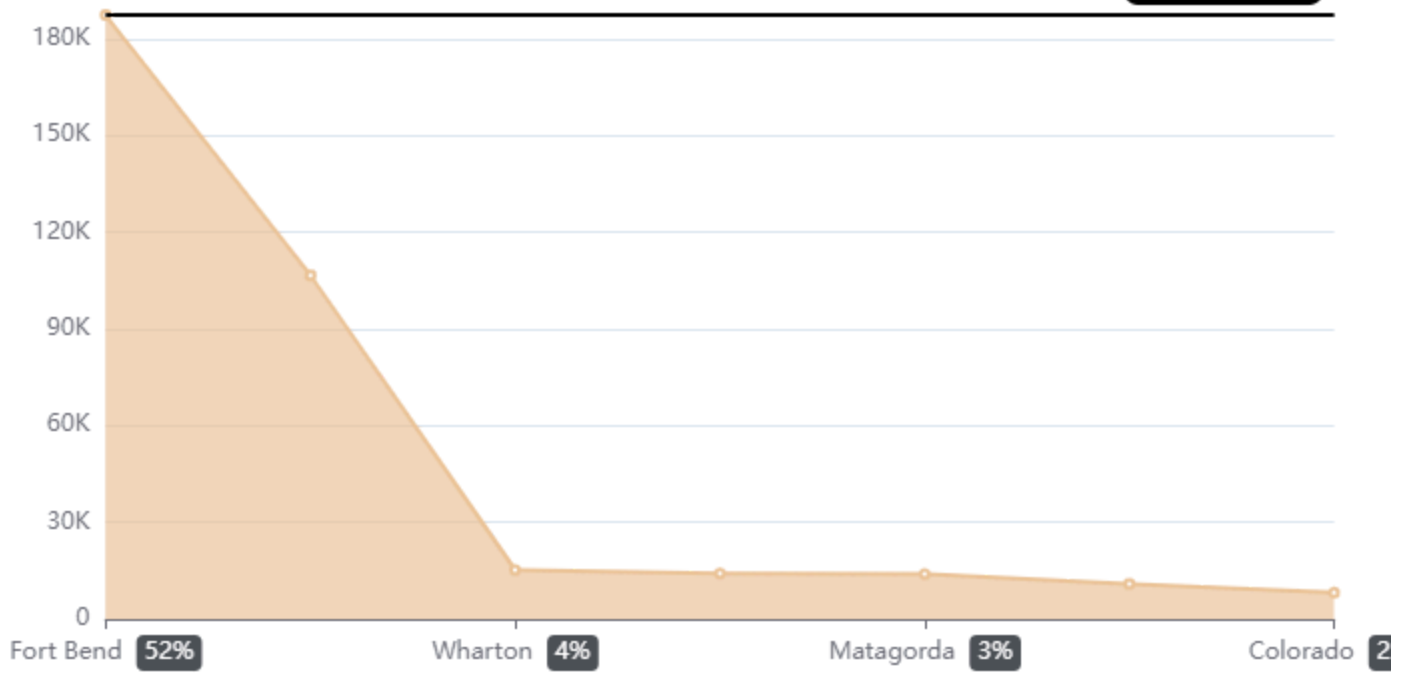
No legend

Households

356,058 Households

Total Households by County

MAX: 187,384



No legend

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
Waller County	1	6,890	13
Colorado County	1	1,490	8
Fort Bend County	1	57,188	7
Austin County	1	3,593	12

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
Waller	1	0.833
Colorado	1	0.685
Fort Bend	1	0.287
Austin	1	0.494