



Hurricane Beryl - Advisory #27

For planning purposes only!

WASHINGTON, DC

06:06

Jul 5, 2024

CHICAGO

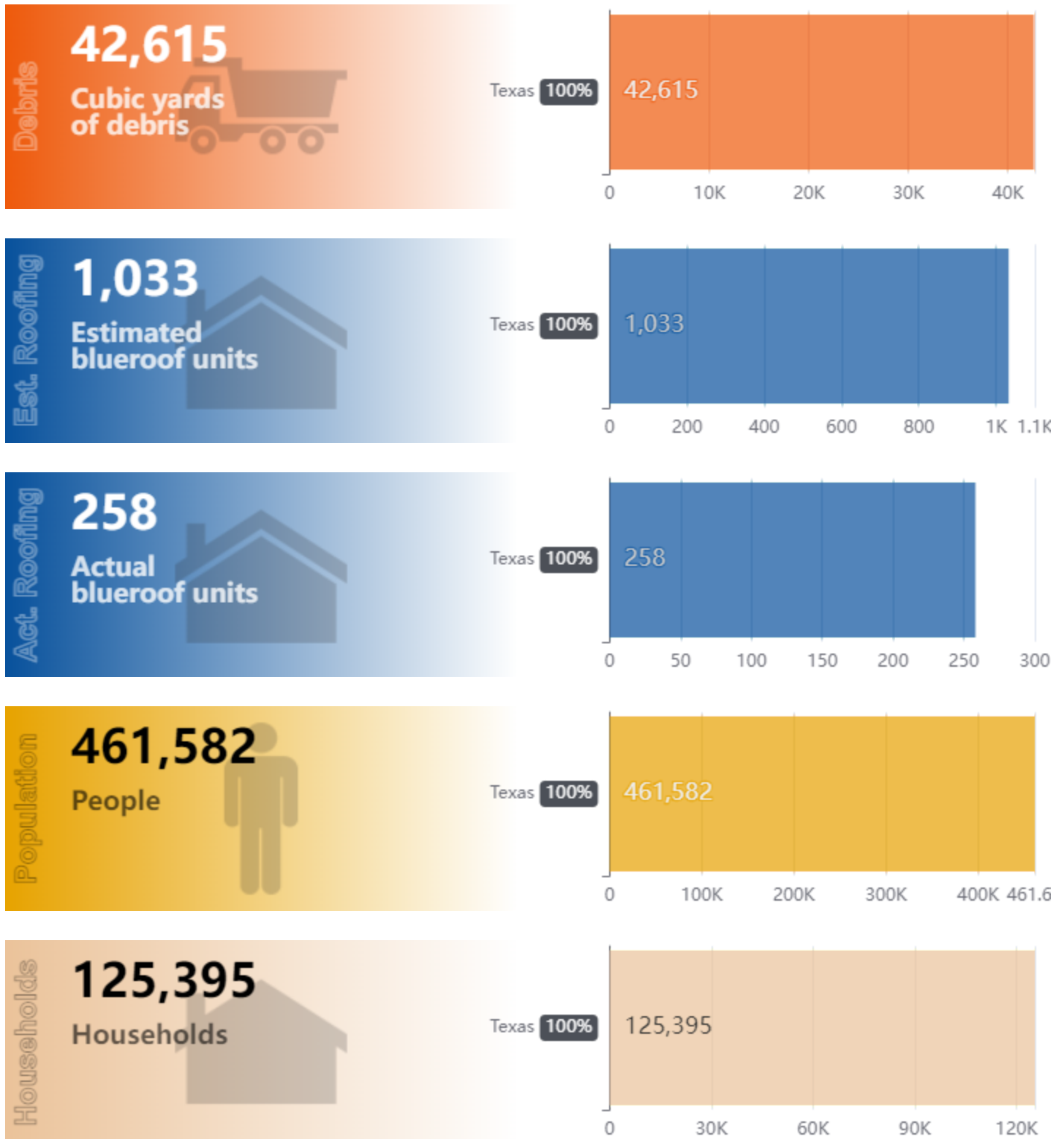
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Jul 5, 2024

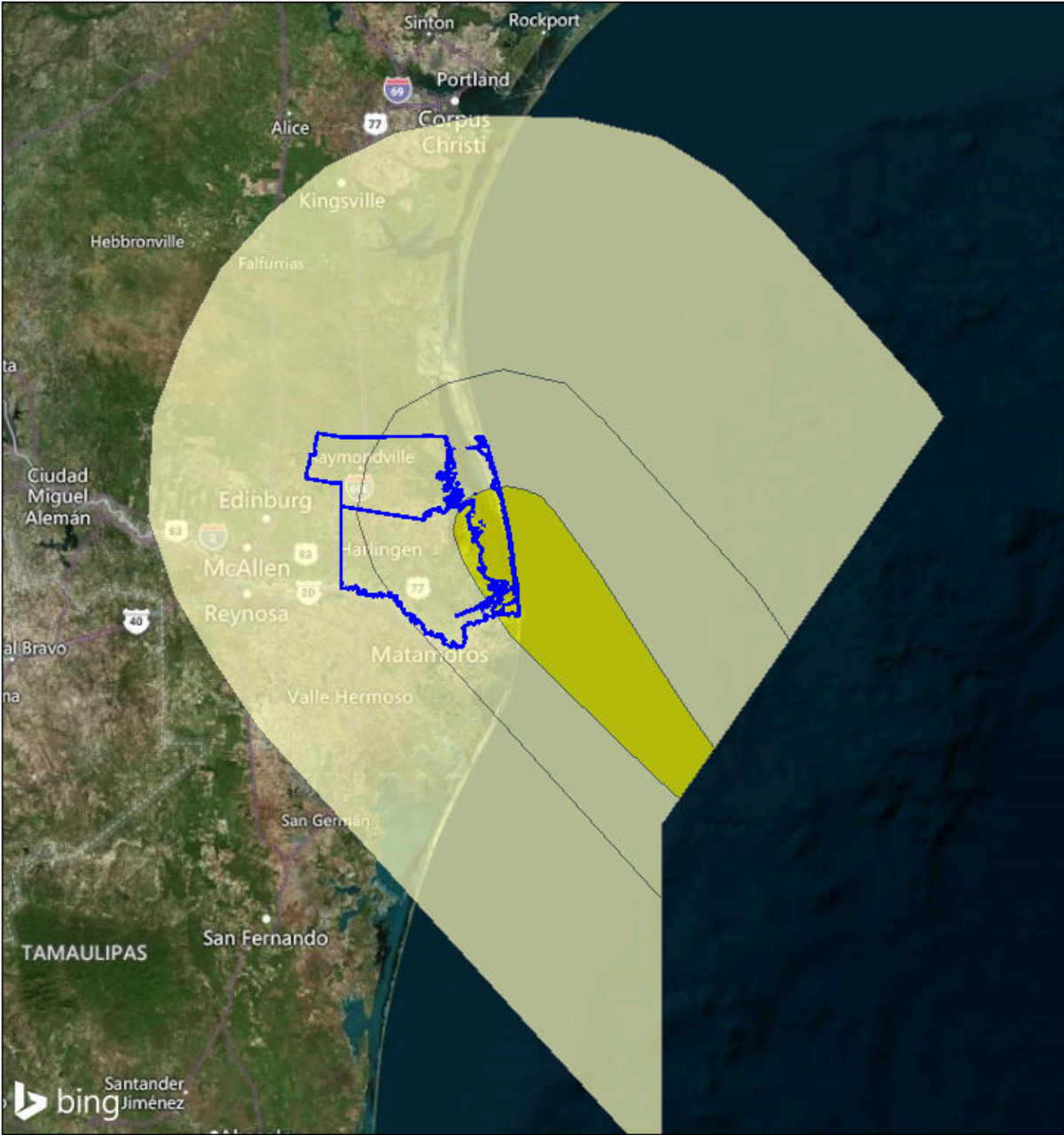
LOS ANGELES

03:06

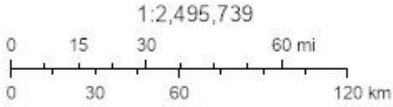
Jul 5, 2024



Letter ANSI A Portrait



- Counties
- Mission Model Swaths
 - TS
 - Cat 1



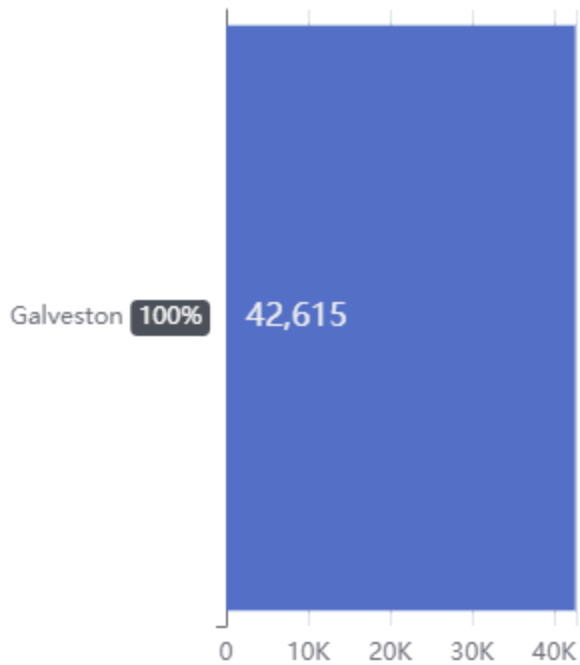
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Created by SimSuite

Mission Model Summary

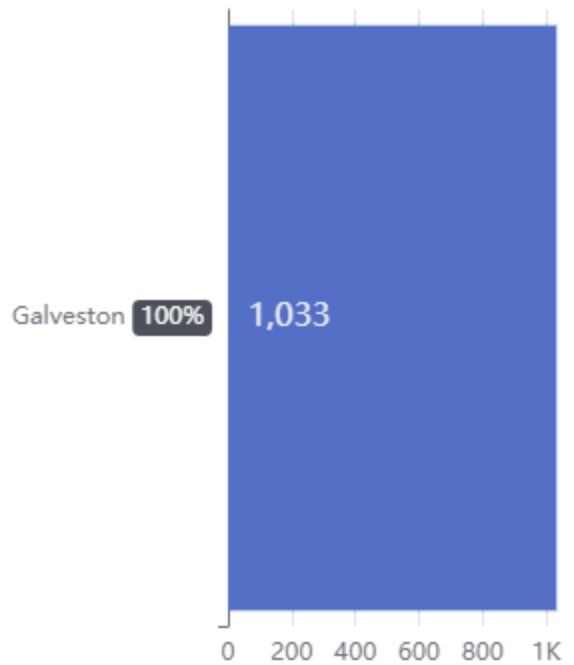
42,615 Cubic Yards

Total Debris By USACE District



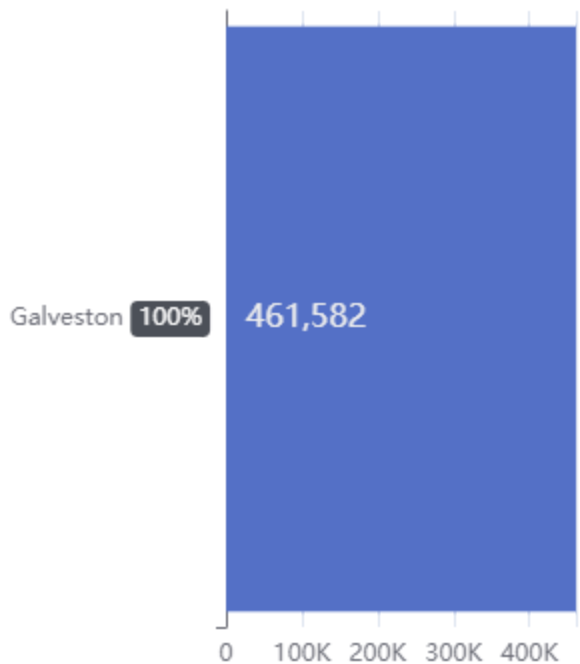
1,033 Units

Total Estimated Roofing By USACE District



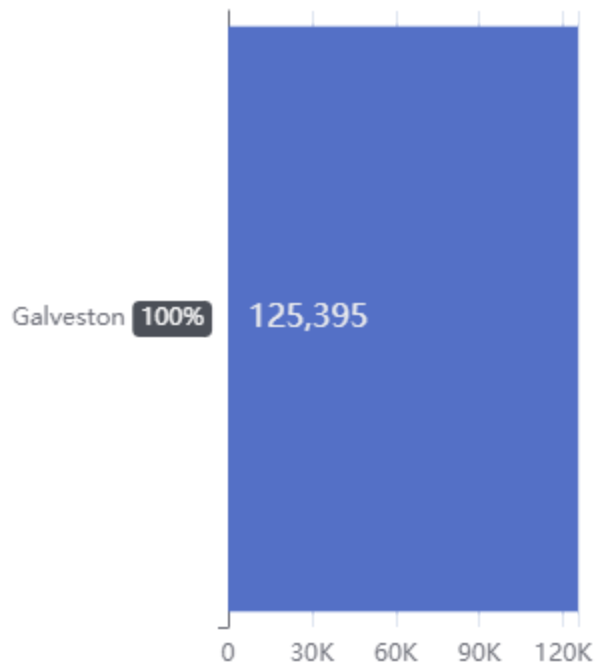
461,582 People

Total Population By USACE District



125,395 Households

Total Households By USACE District

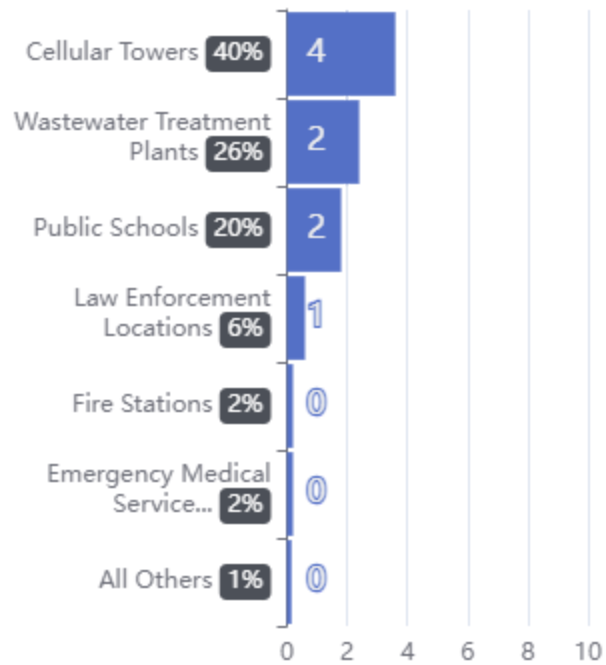


Critical Infrastructure Summary



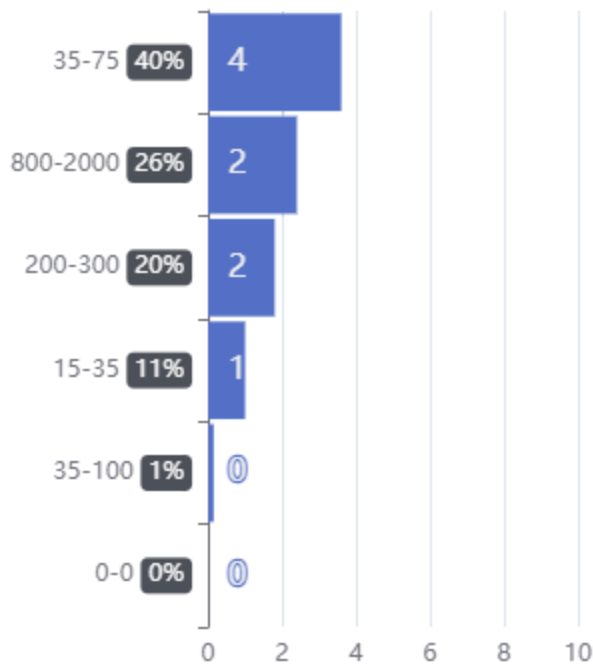
Generators

By Generator Count



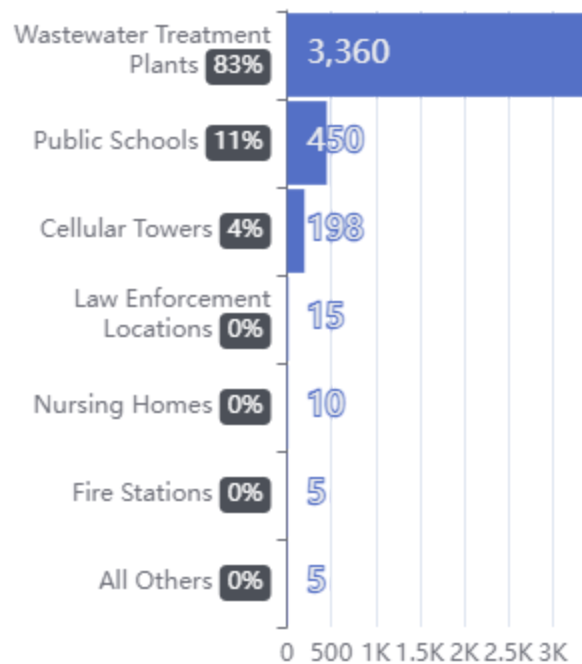
Generators

By Range



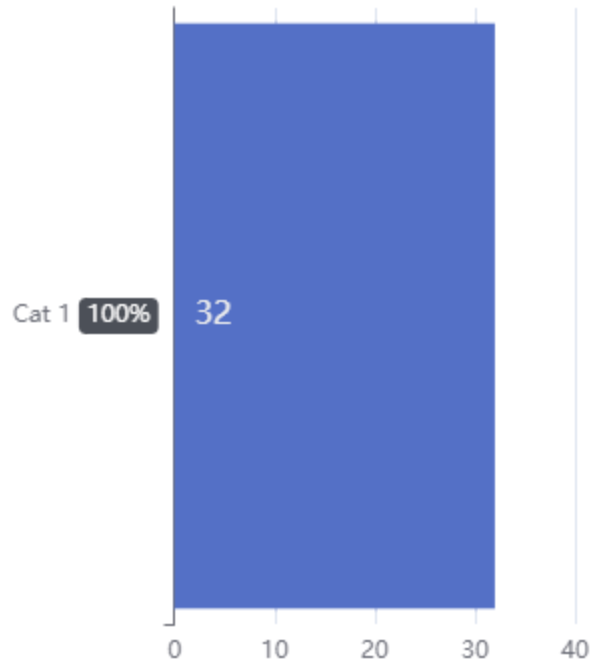
Generators

By Power Requirement (KW)



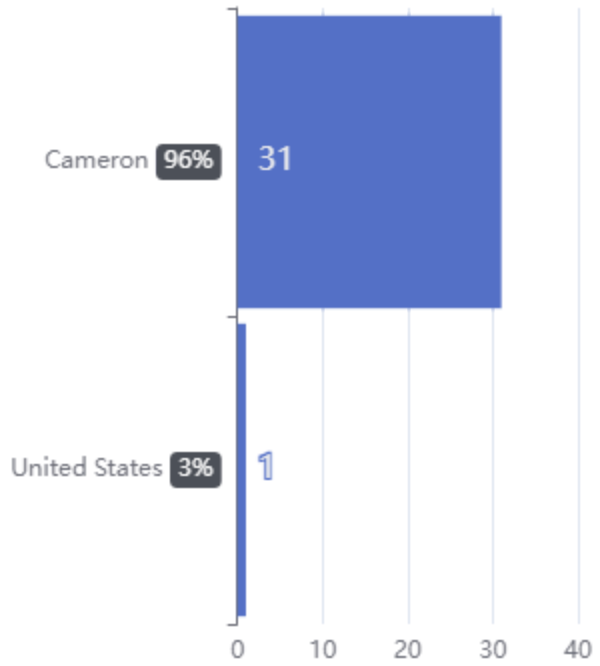
Structures

By Intensity



Structures

By County

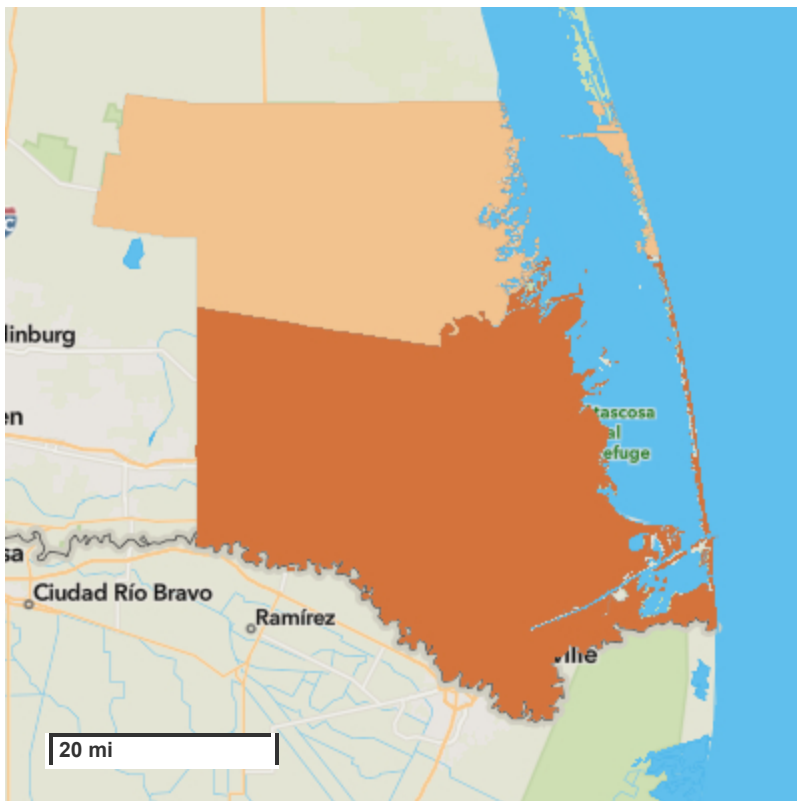
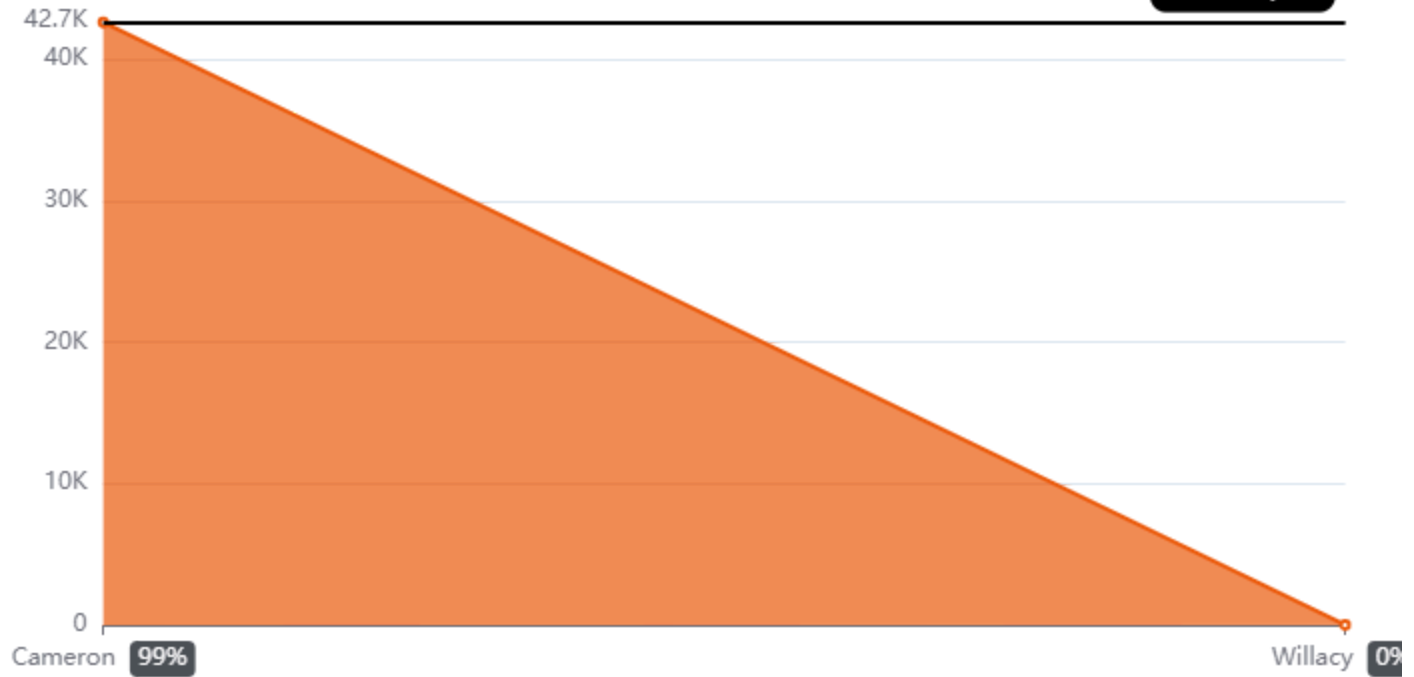


Debris

42,615 Cubic Yards

Total Debris by County

MAX: 42,607



Mission Models

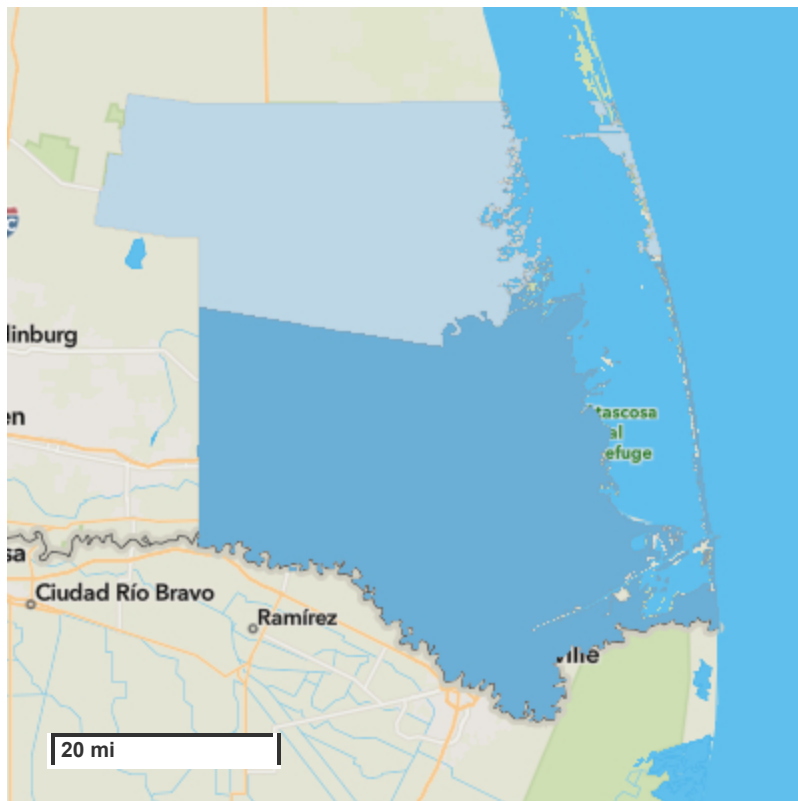
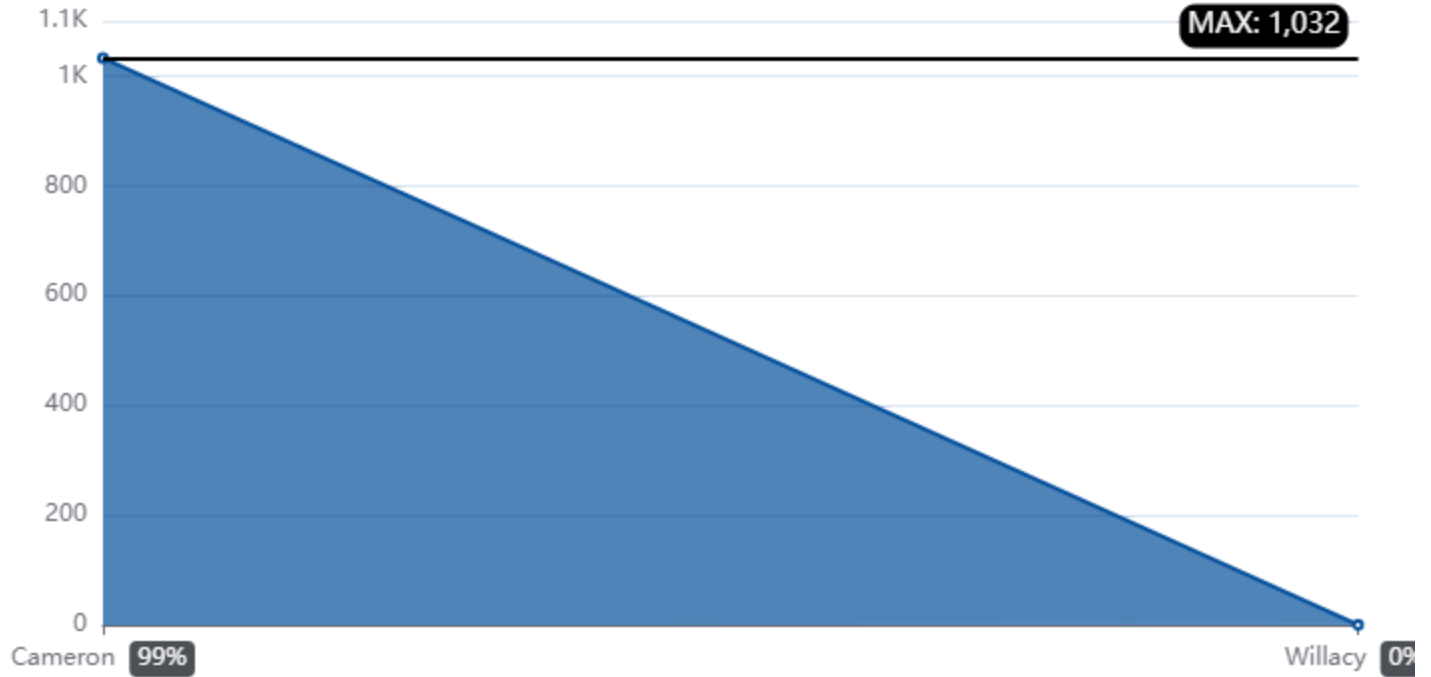
Debris (cu.yds.)

- > 7.681589 – 42,607
- 7.68158883 – 7.681589

Estimated Temporary Roofing

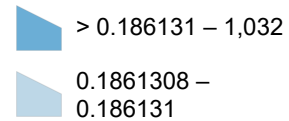
1,033 Units

Total Estimated Roofing by County



Mission Models

Roofing Est. (units)

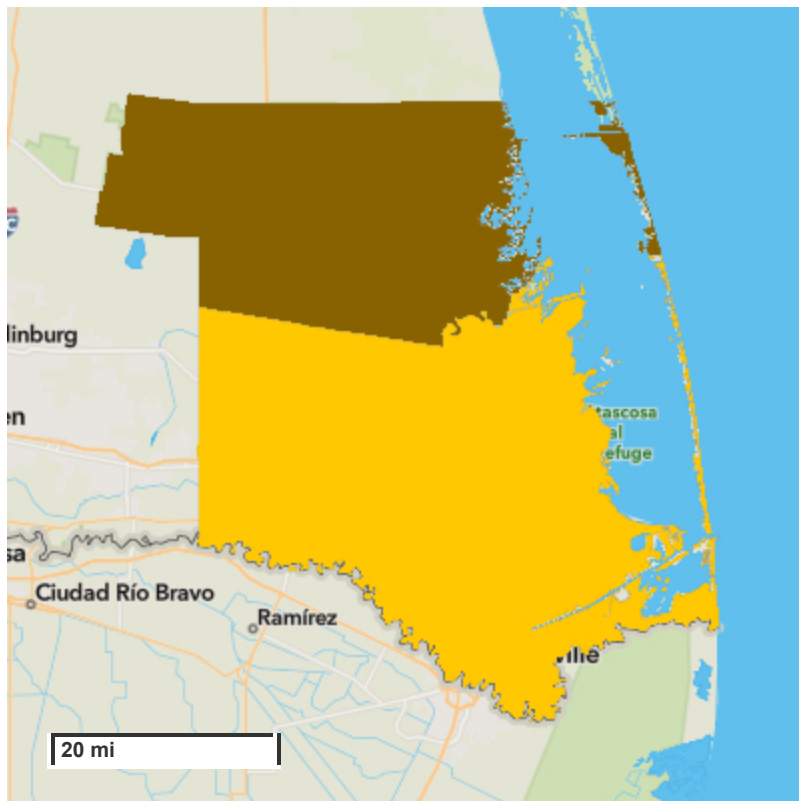
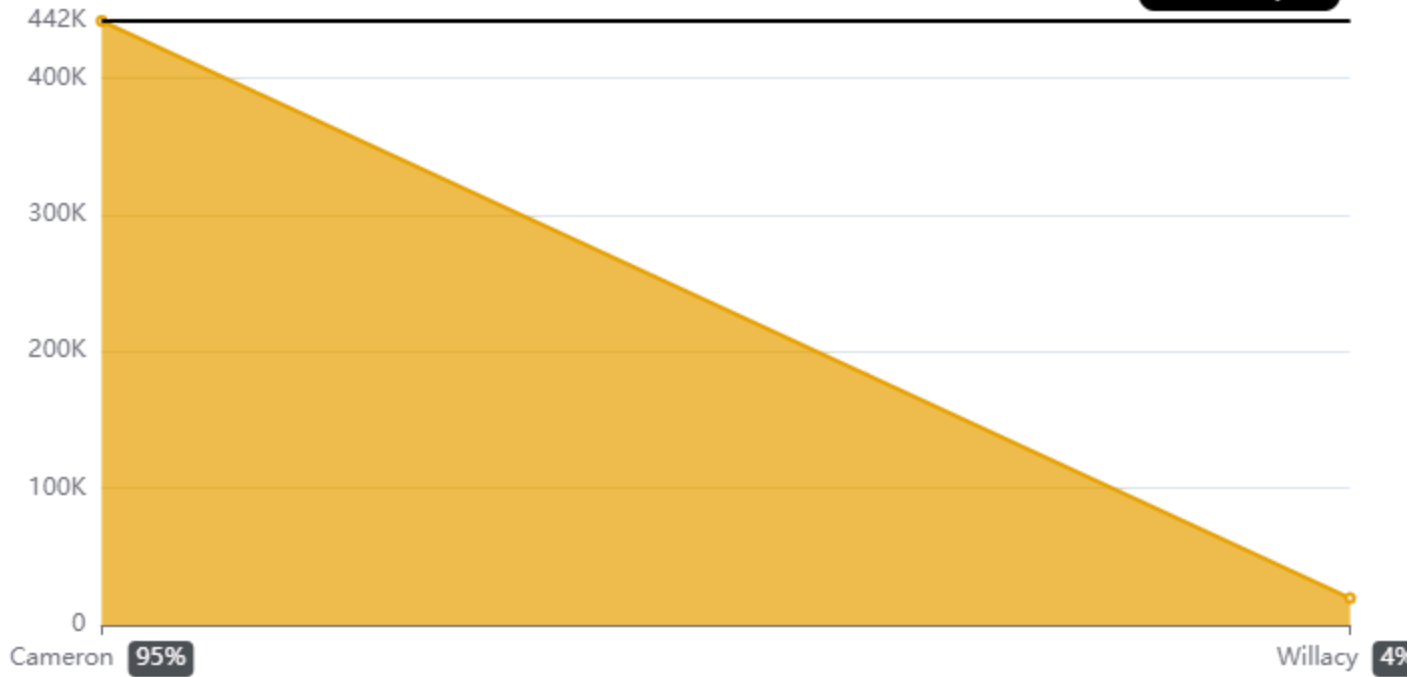


Population

461,582 People

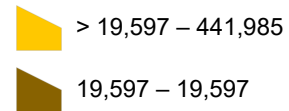
Total Population by County

MAX: 441,985



Mission Models

Population

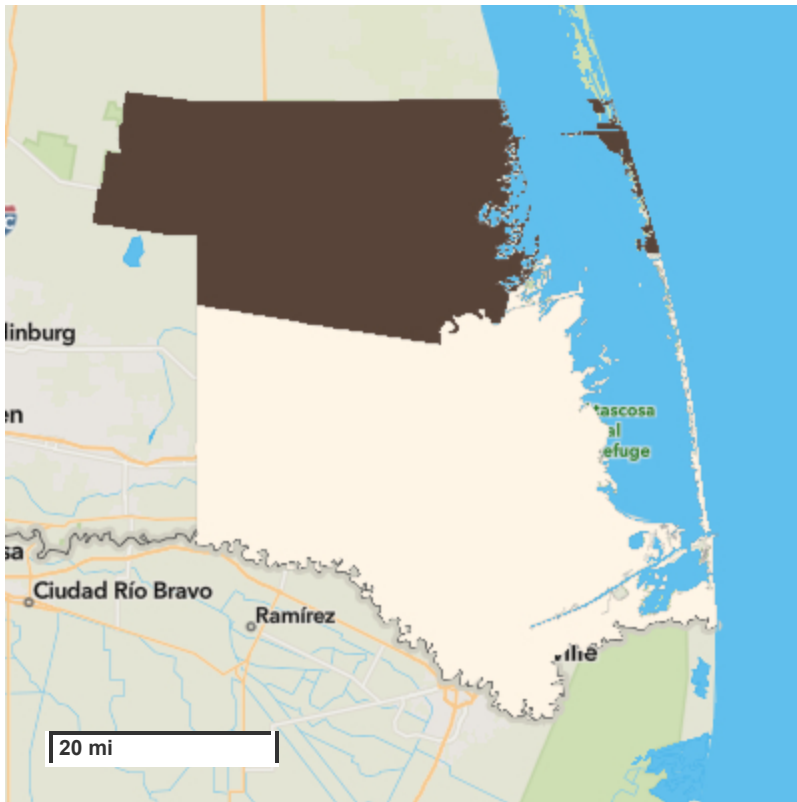
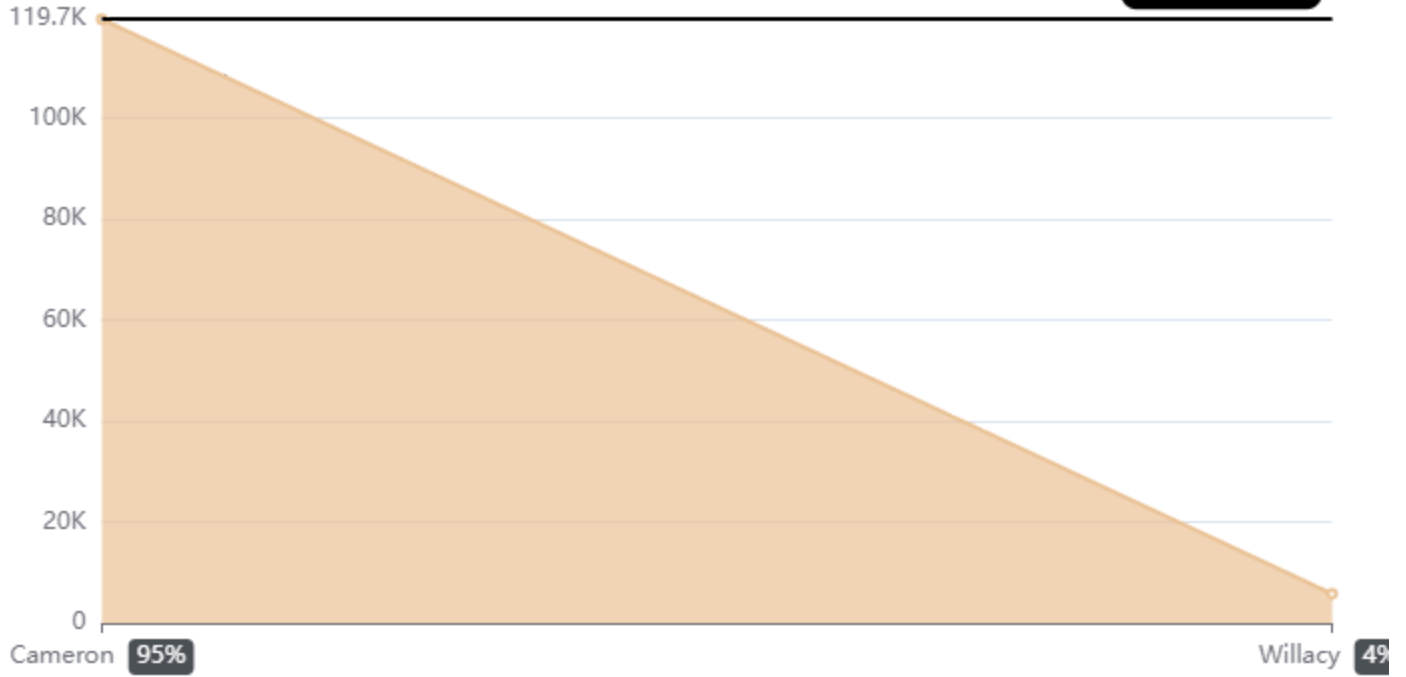


Households

125,395 Households

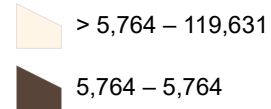
Total Households by County

MAX: 119,631



Mission Models

Households



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
2 counties

Debris (cu.yds.)	42,615
Roofing Est. (units)	1,033
Roofing Act. (units)	258
Population	461,582
Households	125,395

POPULATION DISTRIBUTION

Centroid Swath	Population
TS (2)	461,582

TEXAS

Name	Debris (cu.yds.)	Roofing Est. (units)	Roofing Act. (units)	Population	Households
Willacy	8	0	0	19,597	5,764
Cameron	42,607	1,032	258	441,985	119,631

Critical Infrastructure Results

SUMMARY

32 facilities

Power required (KW) 4,043

COMMUNICATIONS

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Cellular Towers (6)	4	35-75	198

EDUCATION

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Public Schools (6)	2	200-300	450
Private Schools (1)	0	200-300	0

EMERGENCY SERVICES

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
National Shelter System Facilities (1)	0	0-0	0
Fire Stations (2)	0	15-35	5
Emergency Medical Service (EMS) Stations (2)	0	15-35	5

HEALTHCARE

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Nursing Homes (1)	0	35-100	10

LAW ENFORCEMENT

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Law Enforcement Locations (6)	1	15-35	15

POWER

Type	% Fed Gen Req	Power range (KW)	Power required (KW)
Electric Power Generation Plants (1)	0	0-0	0

WATER AND WASTEWATER

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

Poverty Level

County	Cat	Pop. below Federal poverty line	% Population
Cameron County	1	106,182	25
Willacy County	1	5,032	27

Social Vulnerability Index

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

County	Cat	Overall SVI Score
Willacy	1	0.989
Cameron	1	0.976