



US Army Corps  
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# Hurricane Delta Adv. #17

For Planning Purposes Only!

WASHINGTON, DC  
19:21:10  
08 Oct 2020

CHICAGO  
18:21:10  
08 Oct 2020

LOS ANGELES  
16:21:10  
08 Oct 2020

<https://go.usa.gov/xGiPN>

Updated as of 8 Oct 2020 (7:21 PM Eastern Daylight Time)



**Debris**

4,892,912  
cu. yd.

Louisiana 98% (4,814,357)

Texas 2% (78,555)

Arkansas <1% (0)

Mississippi <1% (0)



**Temporary Roofing**

6,027  
units

Louisiana 97% (5,876)

Texas 3% (151)

Arkansas <1% (0)

Mississippi <1% (0)



**Population**

4,563,688  
people

Louisiana 59% (2,676,981)

Texas 32% (1,448,821)

Mississippi 10% (435,802)

Arkansas <1% (2,085)



**Households**

1,544,683  
households

Louisiana 59% (916,938)

Texas 30% (466,649)

Mississippi 10% (160,215)

Arkansas <1% (880)

# Critical Infrastructure Summary

## Total

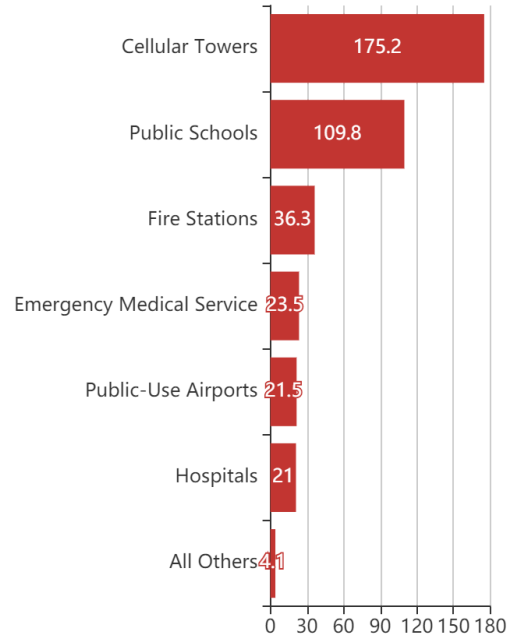


## Power Requirements



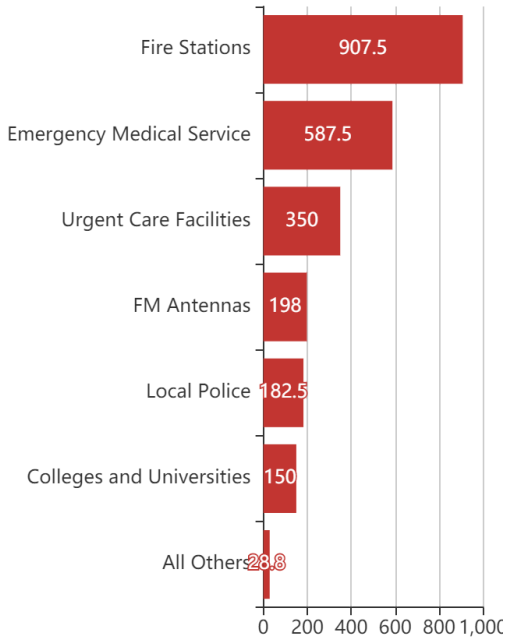
## Generators

By Generator Count



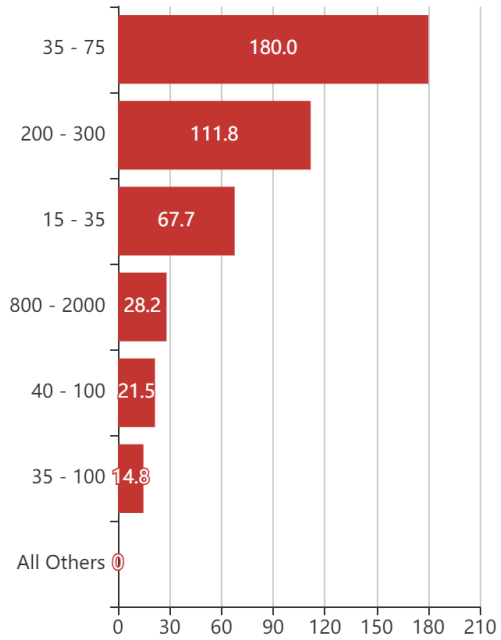
## Generators

By Power Requirement



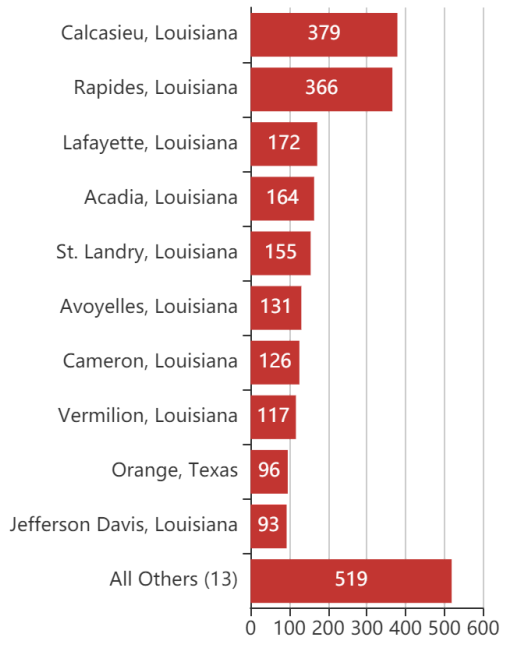
## Generators

By Range



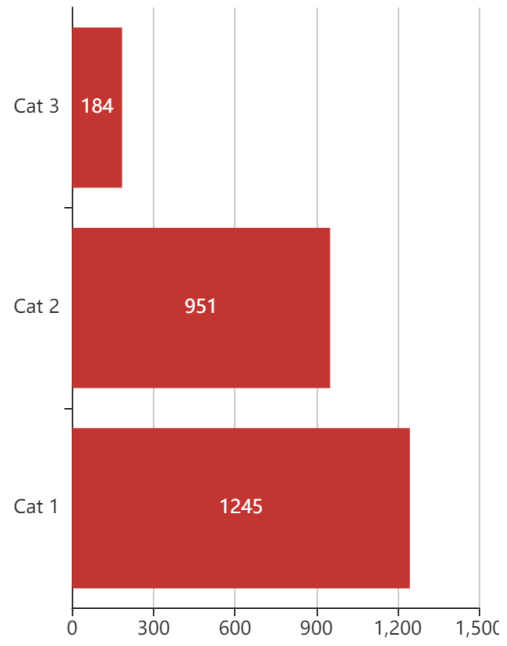
## Structures

By County



## Structures

By Intensity





# Key Messages for Hurricane Delta

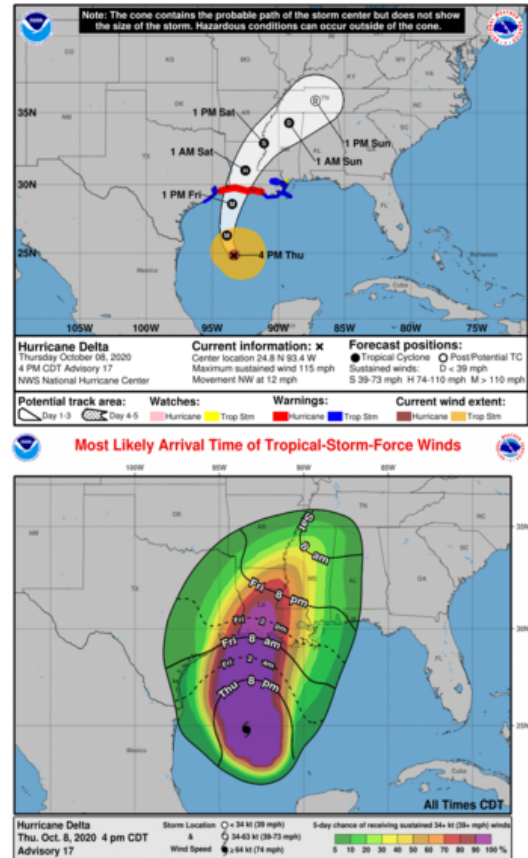
## Advisory 17: 4:00 PM CDT Thu Oct 08, 2020



1. Life-threatening storm surge is expected near and east of where Delta makes landfall Friday, and a Storm Surge Warning is in effect from High Island, Texas, to Ocean Springs, Mississippi. The highest inundation of 7 to 11 feet is expected somewhere between Rockefeller Wildlife Refuge and Morgan City, Louisiana. Residents in the warning area should promptly follow advice given by local officials. The storm surge risk remains high despite the forecast decrease in intensity before landfall since Delta is expected to grow in size.

2. Hurricane-force winds are expected Friday afternoon and evening somewhere within the Hurricane Warning area between High Island, Texas, and Morgan City, Louisiana. Hurricane force winds will also spread inland across portions of southern Louisiana near the path of Delta's center Friday evening and Friday night.

3. Heavy rainfall will lead to significant flash flooding and minor to major river flooding in parts of Louisiana Friday and Saturday. Additional flooding is expected across portions of the central Gulf Coast into the Lower Mississippi Valley.



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

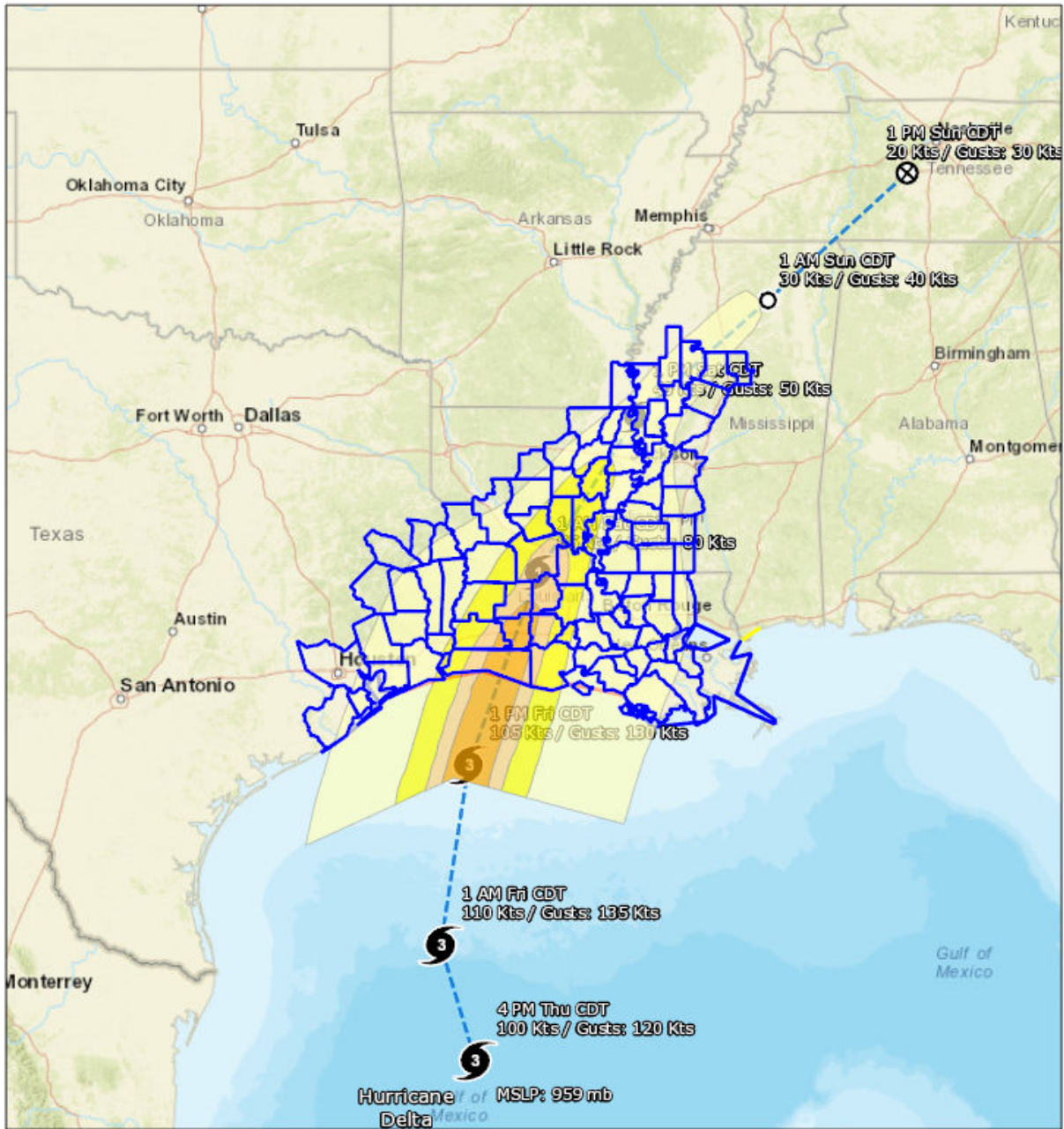


# EXPERIMENTAL Peak Storm Surge Forecast Graphic

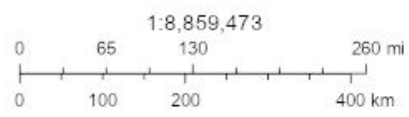


**Hurricane Delta**  
Thursday October 08, 2020  
04 PM CDT Advisory 17  
NWS National Hurricane Center

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water could reach the following heights above ground somewhere within the indicated areas if the peak surge occurs at the time of high tide. The deepest water will occur along the immediate coast near the landfall location, where the surge will be accompanied by large and destructive waves. Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances.

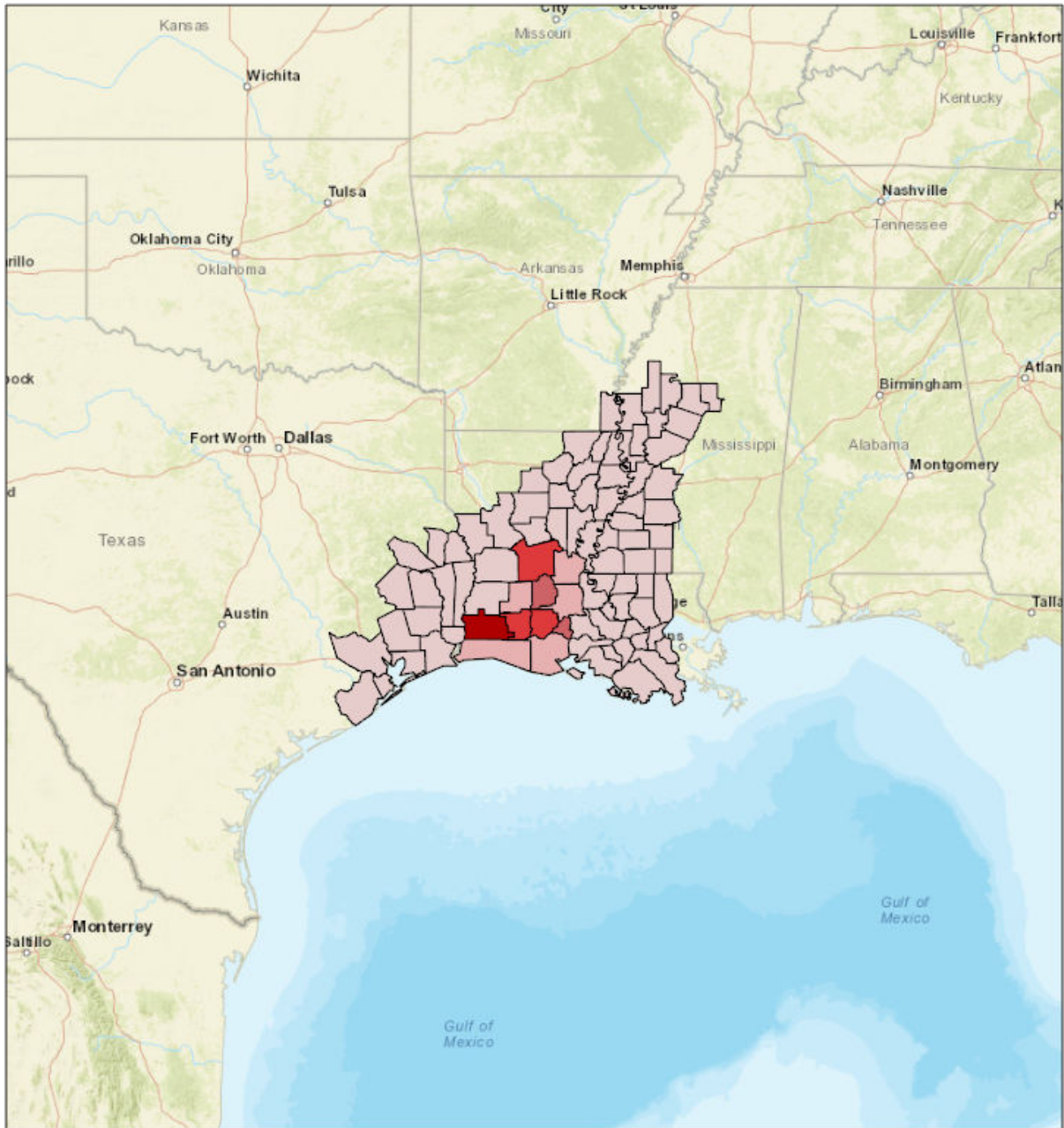


- Counties
  - 120-hr Forecast Track Line
- Mission Model Swaths
- TS
  - Cat 1
  - Cat 2
  - Cat 3

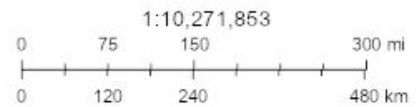
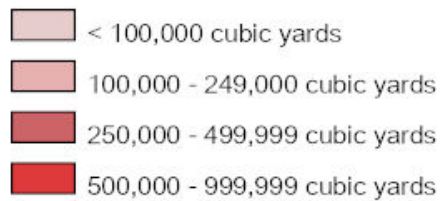


Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community, NOAA/NOS/OCs nowCOAST, NOAA/NWS/NHC, NOAA/NWS/CPHC

# Debris



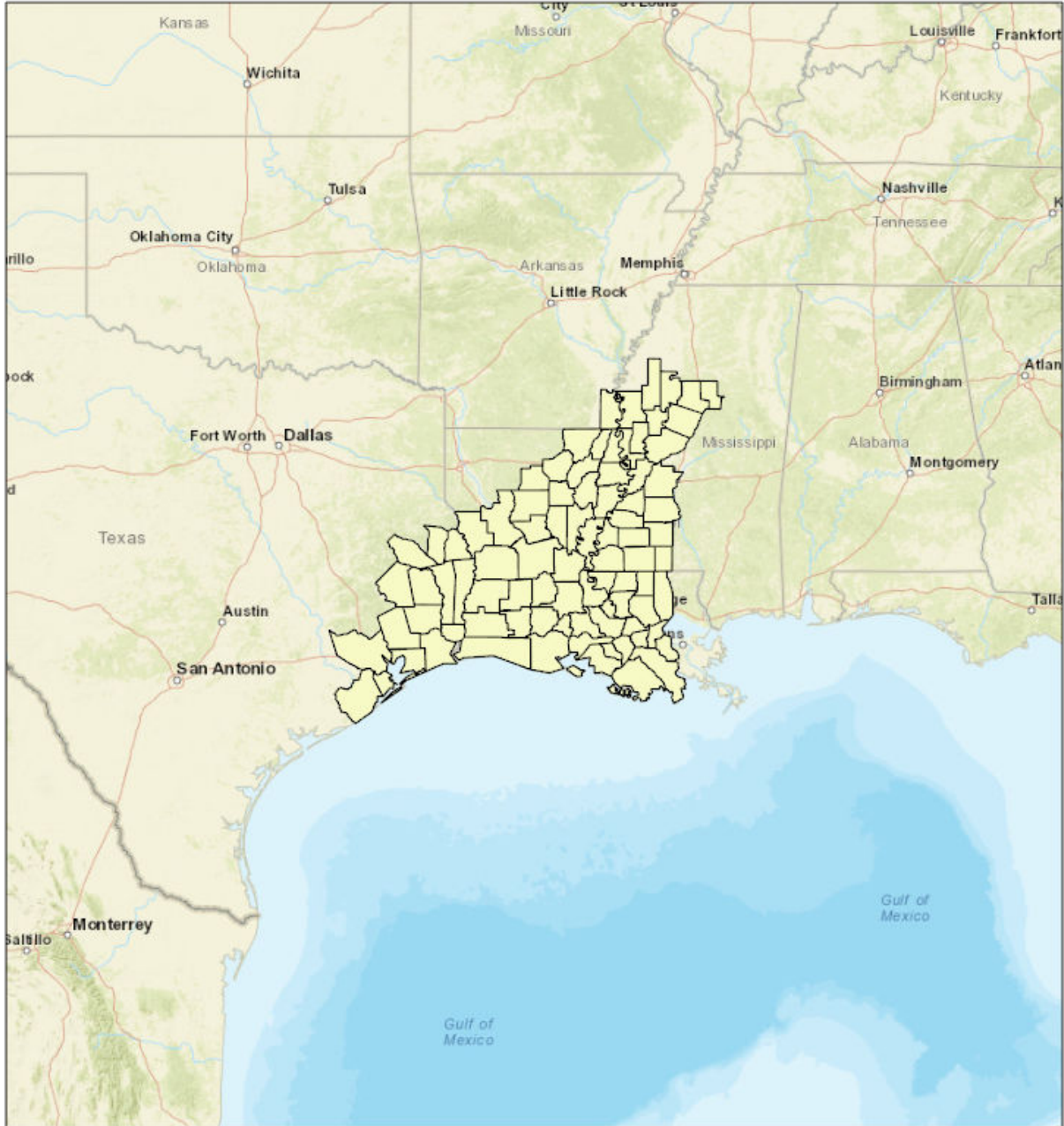
## Debris




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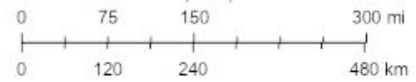
# Temporary Roofing



Temporary Roofing

 < 2,000 units

1:10,271,853



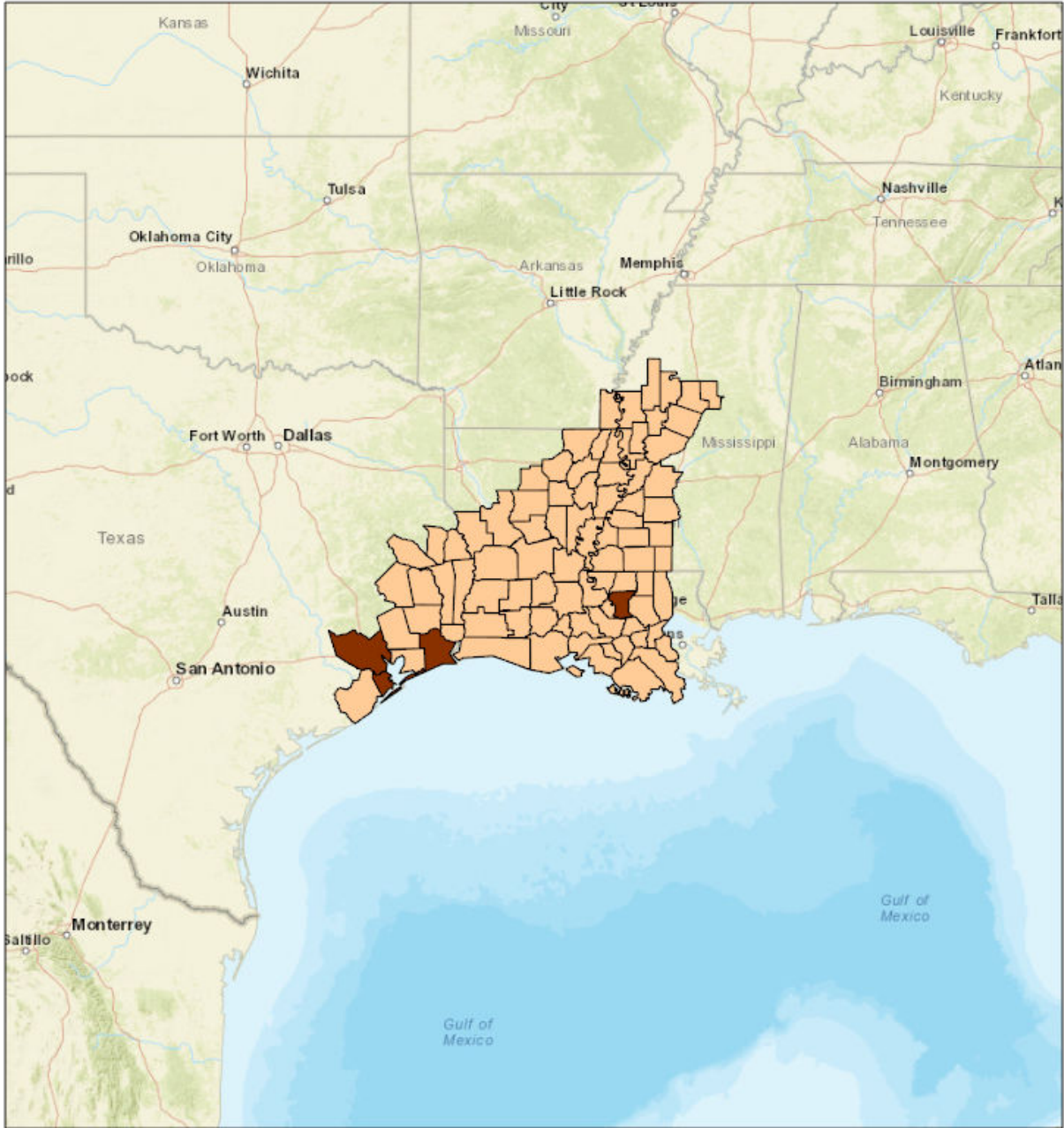
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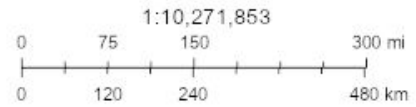
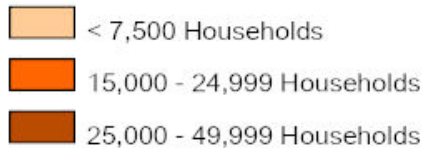




# Households



## Households



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

## Mission Summary



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.

Mission Summary	
Total Counties	86
Debris (cu. yd.)	4,892,912
Temporary Roofing (units)	6,027
Population	4,563,688
Households	1,544,683

Population Distribution	
Tropical Storm	3,633,659
Category 1	587,314
Category 2	253,610
Category 3	77,463

ARKANSAS	Yards of Debris (0)	Roof Units (0)	Population (2,085)	Households (880)
Chicot	0	0	2,085	880

LOUISIANA	Yards of Debris (4,814,357)	Roof Units (5,876)	Population (2,676,981)	Households (916,938)
Acadia	510,028	529	60,987	21,142
Allen	212,975	222	25,819	8,102
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
Avoyelles	164,457	246	42,426	14,738
Beauregard	53,108	99	35,093	12,104
Calcasieu	1,198,992	1,334	187,691	68,637
Caldwell	13,866	27	10,332	3,941
Cameron	133,239	103	7,340	3,592
Catahoula	25,369	49	10,656	4,082
Concordia	18,160	35	19,309	7,522
East Baton Rouge	0	0	430,746	156,365
East Carroll	0	0	8,195	2,969
East Feliciana	0	0	20,723	6,699
Evangeline	313,483	362	36,010	12,736
Franklin	48,021	92	19,999	7,754
Grant	30,398	58	21,734	7,073
Iberia	0	0	75,402	25,381
Iberville	0	0	32,992	10,674
Jackson	0	0	2,997	1,203
Jefferson Davis	640,438	407	31,373	11,479

La Salle	33,079	63	14,165	5,291
Lafayette	295,576	567	210,850	72,372
Lafourche	0	0	31,435	10,743
Livingston	0	0	125,599	32,630
Madison	2,702	5	12,172	4,469
Morehouse	0	0	9,774	3,863
Natchitoches	137	0	23,072	8,264
Ouachita	0	0	151,722	55,216
Pointe Coupee	9	0	22,820	8,397
Rapides	691,565	972	133,493	47,120
Richland	8,508	16	20,657	7,490
Sabine	0	0	23,657	9,221
St. Charles	0	0	9,434	2,937
St. Helena	0	0	10,363	3,873
St. James	0	0	21,505	6,992
St. John the Baptist	0	0	47,737	14,283
St. Landry	184,710	315	93,347	32,324
St. Martin	289	1	52,518	17,164
St. Mary	0	0	50,951	19,317
Tangipahoa	0	0	119,775	36,558
Tensas	1,848	4	5,558	2,416
Terrebonne	0	0	110,329	35,997
Vermilion	188,385	283	56,869	19,833
Vernon	43,757	84	45,284	18,261
West Baton Rouge	0	0	23,162	7,663
West Carroll	0	0	11,456	4,458
West Feliciana	0	0	15,318	3,645
Winn	1,259	2	13,057	5,018

<b>MISSISSIPPI</b>	<b>Yards of Debris (0)</b>	<b>Roof Units (0)</b>	<b>Population (435,802)</b>	<b>Households (160,215)</b>
Adams	0	0	31,752	13,677
Amite	0	0	13,229	5,271
Carroll	0	0	10,609	4,071
Claiborne	0	0	11,121	3,685
Copiah	0	0	12,626	4,315
Franklin	0	0	8,292	3,211
Hinds	0	0	69,669	25,363
Holmes	0	0	6,165	2,138
Humphreys	0	0	10,268	3,765
Issaquena	0	0	1,921	726
Jefferson	0	0	9,098	3,308
Leflore	0	0	36,041	12,956
Lincoln	0	0	34,834	12,538
Montgomery	0	0	441	171
Pike	0	0	15,168	5,582
Sharkey	0	0	6,093	2,163
Sunflower	0	0	31,694	9,637
Warren	0	0	48,349	18,756
Washington	0	0	58,324	22,158
Wilkinson	0	0	10,128	3,578
Yazoo	0	0	9,979	3,146

<b>TEXAS</b>	<b>Yards of Debris (78,555)</b>	<b>Roof Units (151)</b>	<b>Population (1,448,821)</b>	<b>Households (466,649)</b>
Angelina	0	0	5,991	2,050
Brazoria	0	0	65,294	16,884
Chambers	0	0	33,630	9,139
Galveston	0	0	297,386	94,782
Hardin	0	0	52,994	17,805
Harris	0	0	496,878	143,989
Jasper	0	0	34,760	13,450
Jefferson	29,221	56	246,126	92,882
Liberty	0	0	76,782	23,242
Newton	37	0	14,285	5,583
Orange	49,297	95	84,765	31,642
Polk	0	0	6,639	2,159
Sabine	0	0	10,437	4,485
San Augustine	0	0	1,905	782
Tyler	0	0	20,950	7,775

## COVID-19

#	County	Cases
1	Harris	149,394
2	East Baton Rouge	15,398
3	Galveston	11,833
4	Brazoria	11,658
5	Lafayette	9,106
6	Calcasieu	7,986
7	Jefferson	7,708
8	Hinds	7,346
9	Ouachita	6,494
10	Tangipahoa	4,764
11	Rapides	4,374
12	Livingston	3,915
13	Ascension	3,848
14	Lafourche	3,740
15	Terrebonne	3,708
16	St. Landry	3,423
17	Acadia	3,004
18	Iberia	2,997
19	Washington	2,351
20	Lafayette	2,303
21	Liberty	2,264
22	Angelina	2,205
23	St. Martin	2,119
24	Vermilion	2,070
25	Orange	2,008
26	St. Mary	1,963
27	Bolivar	1,924
28	St. Charles	1,860
29	East Feliciana	1,752
30	Allen	1,713
31	St. John the Baptist	1,599
32	Avoyelles	1,599
33	Panola	1,565
34	Sunflower	1,520
35	Leflore	1,484
36	Warren	1,443
37	Iberville	1,422
38	Chambers	1,414
39	Hardin	1,358

40	Evangeline	1,350
41	Jefferson Davis	1,283
42	Pike	1,281
43	Copiah	1,256
44	Natchitoches	1,244
45	Franklin	1,237
46	Lincoln	1,178
47	Grenada	1,133
48	Holmes	1,113
49	Yazoo	1,088
50	Vernon	1,085
51	Pointe Coupee	1,070
52	Beauregard	1,028
53	Chicot	1,015
54	Adams	978
55	West Baton Rouge	927
56	Sabine	898
57	Madison	888
58	Polk	876
59	Morehouse	833
60	St. James	812
61	Richland	801
62	Tallahatchie	793
63	Assumption	771
64	West Feliciana	734
65	Jackson	703
66	Winn	645
67	Calhoun	555
68	East Carroll	548
69	Concordia	525
70	Grant	502
71	Claiborne	500
72	Montgomery	498
73	Jasper	496
74	Yalobusha	458
75	Catahoula	442
76	LaSalle	440
77	St. Helena	424
78	Humphreys	382
79	Amite	363
80	West Carroll	353
81	Carroll	336
82	Wilkinson	313
83	Caldwell	313



84	Sharkey	268
85	Jefferson	247
86	Tyler	236
87	Cameron	235
88	San Augustine	207
89	Franklin	206
90	Newton	187
91	Tensas	162
92	Issaquena	106
93	Sabine	82

## Critical Infrastructure

Summary			
Total Critical Facilities		2,380	
Power Requirements (kW)		86,285.1	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (23)	1.2	35 - 75	63.3
Cellular Towers (292)	175.2	35 - 75	9,636.0
FM Antennas (72)	3.6	35 - 75	198.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (70)	0.0	200 - 300	0.0
Public Schools (366)	109.8	200 - 300	27,450.0
Colleges and Universities (30)	0.6	200 - 300	150.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (235)	23.5	15 - 35	587.5
Fire Stations (363)	36.3	15 - 35	907.5
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (99)	14.8	35 - 100	1,002.4
Hospitals (70)	21.0	800 - 2000	29,400.0
Urgent Care Facilities (7)	1.4	200 - 300	350.0
Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (2)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (26)	0.0	15 - 35	0.0
National Security Government Military Facilities (92)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (46)	9.2	400 - 600	4,600.0
Local Police (73)	7.3	15 - 35	182.5
State Police (7)	0.4	15 - 35	8.8
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (21)	4.2	15 - 40	115.5
State Emergency Operation Centers (EOCs) (0)	0.0	15 - 35	0.0

State Facilities	# FED Gen Req	Range (kW)	Req kW
Governors Mansion (0)	0.0	100 - 200	0.0
Major State Government Building (3)	0.3	100 - 200	45.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (258)	0.0	600 - 1200	0.0
Amtrak Stations (2)	0.0	100 - 300	0.0
Bus Stations (16)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (6)	0.0	100 - 300	0.0
Railroad Stations (2)	0.0	100 - 300	0.0
Public-Use Airports (179)	21.5	40 - 100	1,503.6

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (18)	7.2	800 - 2000	10,080.0

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