



US Army Corps
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Hurricane Delta Adv. #15

For Planning Purposes Only!

WASHINGTON, DC
07:36:26
08 Oct 2020

CHICAGO
06:36:26
08 Oct 2020

LOS ANGELES
04:36:26
08 Oct 2020

<https://go.usa.gov/xGe7H>

Updated as of 8 Oct 2020 (7:36 AM Eastern Daylight Time)



Debris

2,416,696
cu. yd.

Louisiana 97% (2,344,524)

Texas 3% (72,173)

Arkansas <1% (0)

Mississippi <1% (0)



Temporary
Roofing

3,380
units

Louisiana 98% (3,297)

Texas 2% (83)

Arkansas <1% (0)

Mississippi <1% (0)



Population

3,900,457
people

Louisiana 64% (2,513,464)

Mississippi 20% (795,743)

Texas 15% (578,925)

Arkansas <1% (12,325)



Households

1,360,422
households

Louisiana 64% (868,428)

Mississippi 21% (280,363)

Texas 15% (206,426)

Arkansas <1% (5,205)

Critical Infrastructure Summary

Total

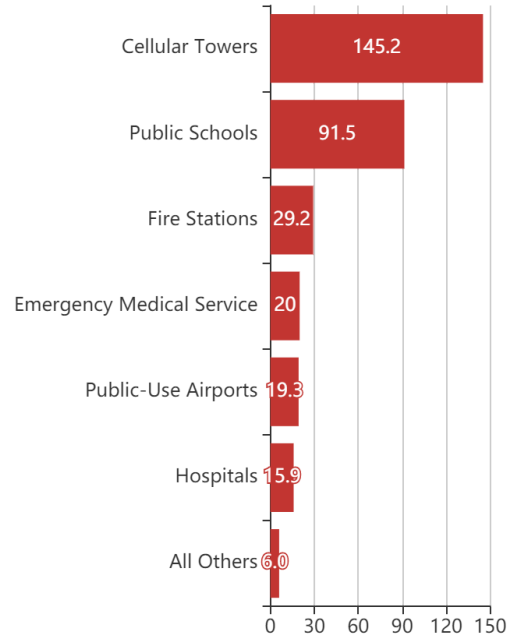


Power Requirements



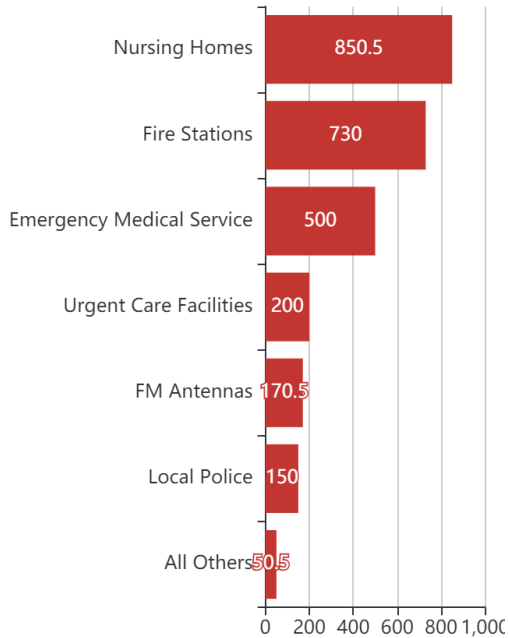
Generators

By Generator Count



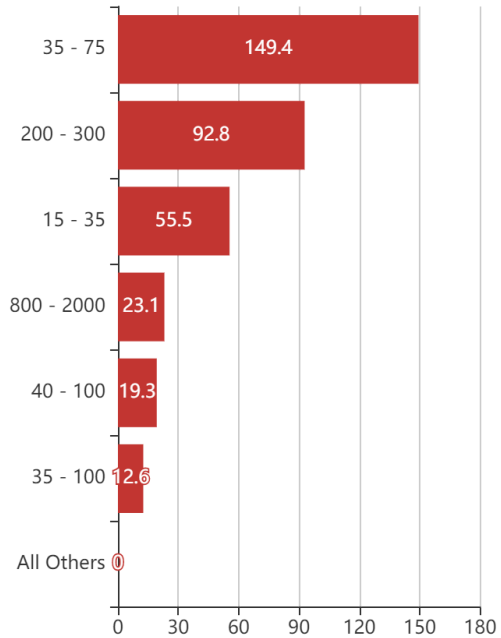
Generators

By Power Requirement



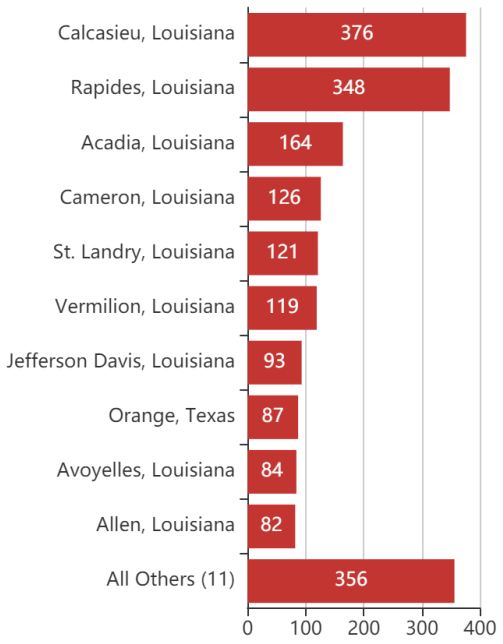
Generators

By Range



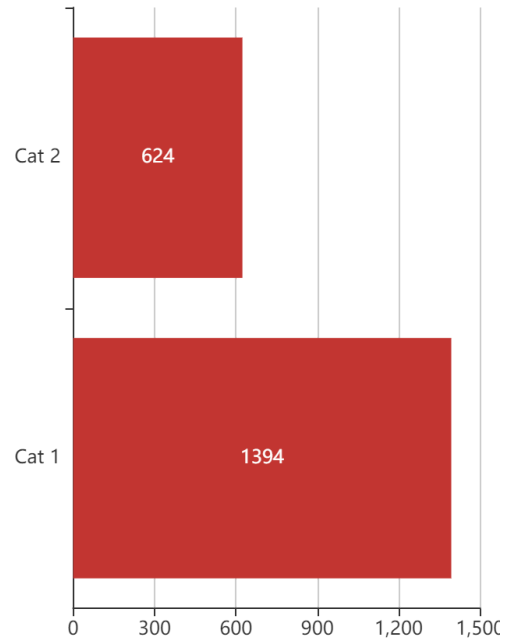
Structures

By County



Structures

By Intensity





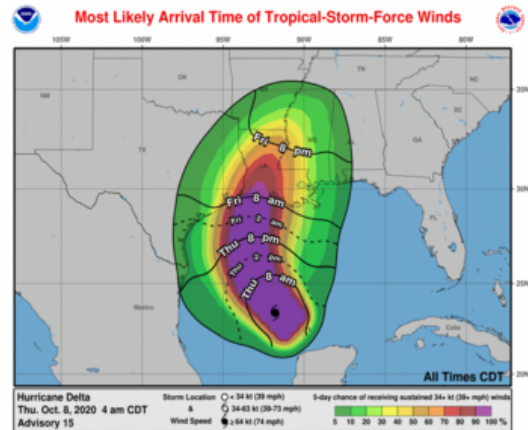
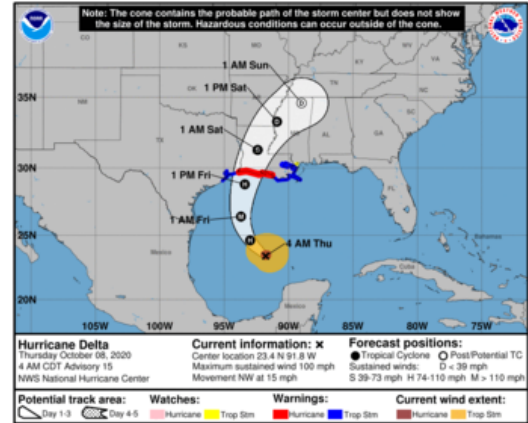
Key Messages for Hurricane Delta

Advisory 15: 4:00 AM CDT Thu Oct 08, 2020



1. Delta is expected to grow in size as it approaches the northern Gulf Coast, where life-threatening storm surge and dangerous hurricane-force winds are likely beginning Friday, particularly for portions of the Louisiana coast. Storm Surge and Hurricane Warnings are in effect, and residents in these areas should follow advice given by local officials and rush preparedness actions to completion.

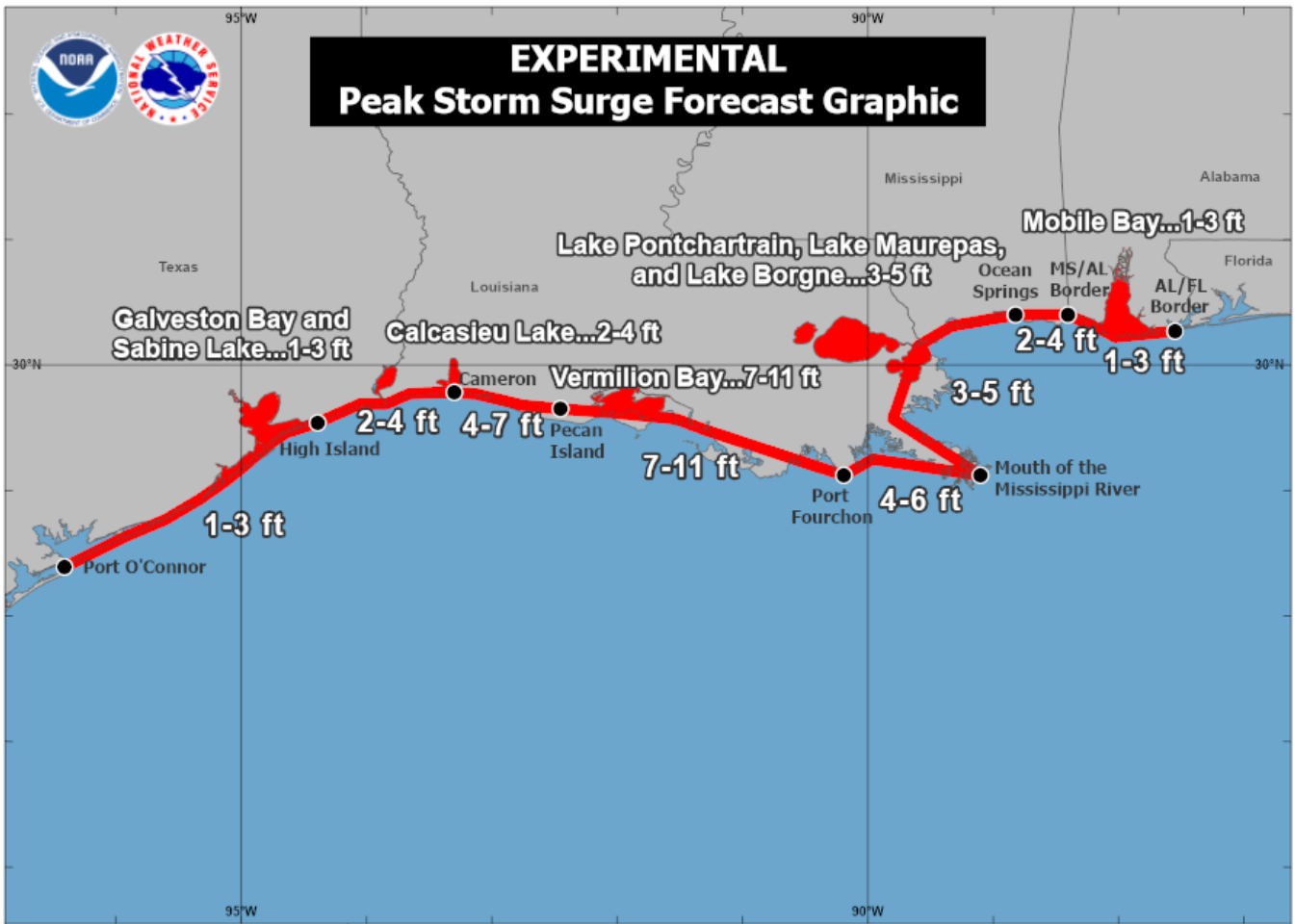
2. Significant flash, urban, small stream and minor to isolated moderate river flooding is likely Friday and Saturday from portions of the central Gulf Coast into portions of the Lower Mississippi Valley. As Delta moves farther inland, heavy rainfall is expected in the Ohio Valley and Mid-Atlantic this weekend.



For more information go to hurricanes.gov

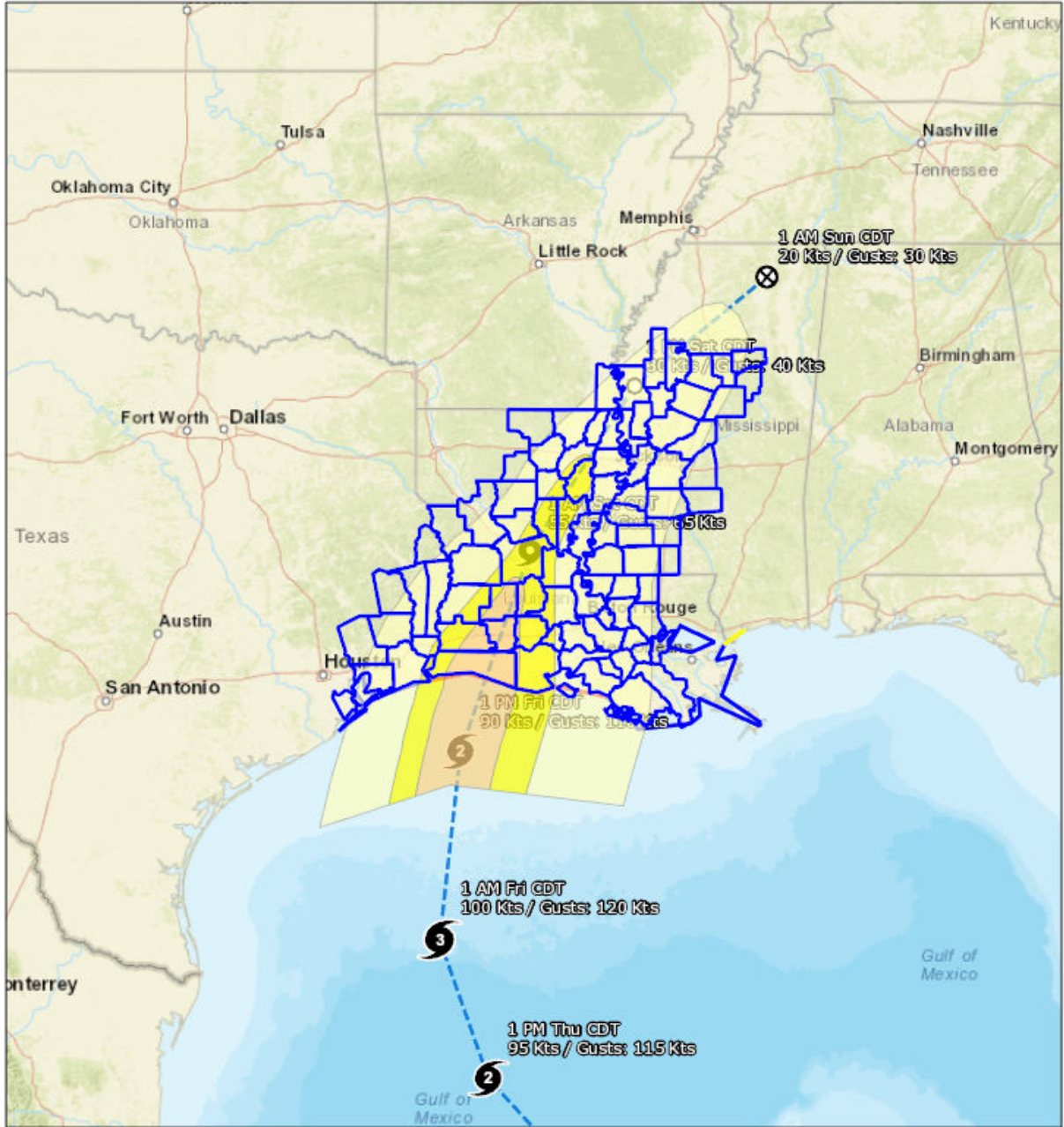


EXPERIMENTAL Peak Storm Surge Forecast Graphic

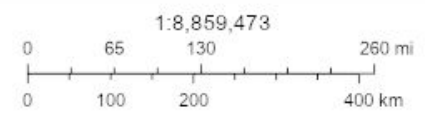


Hurricane Delta
Thursday October 08, 2020
04 AM CDT Advisory 15
NWS National Hurricane Center

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.

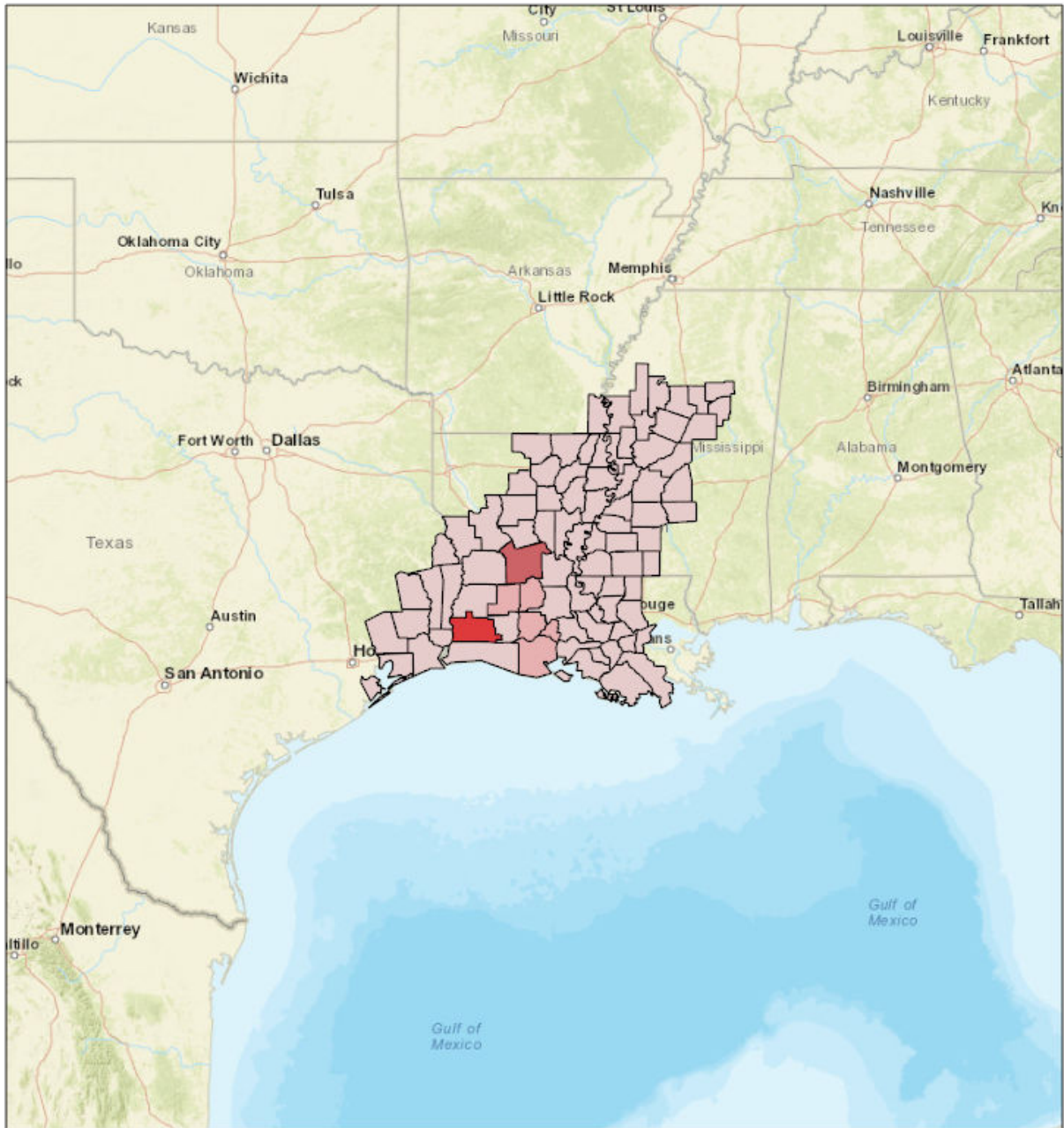


- Counties
- Mission Model Swaths
 - TS
 - Cat 1
 - Cat 2
- 120-hr Forecast Track Line

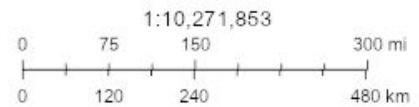
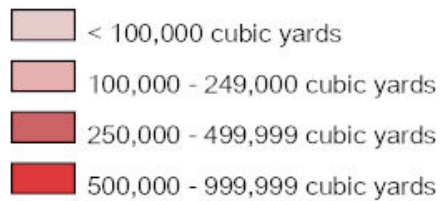


Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community, NOAA/NOS/OCs nowCOAST, NOAA/NWS/NHC, NOAA/NWS/CPHC

Debris



Debris



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

Created by SimSuite

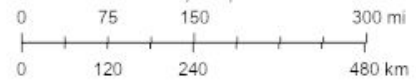
Temporary Roofing



Temporary Roofing

 < 2,000 units

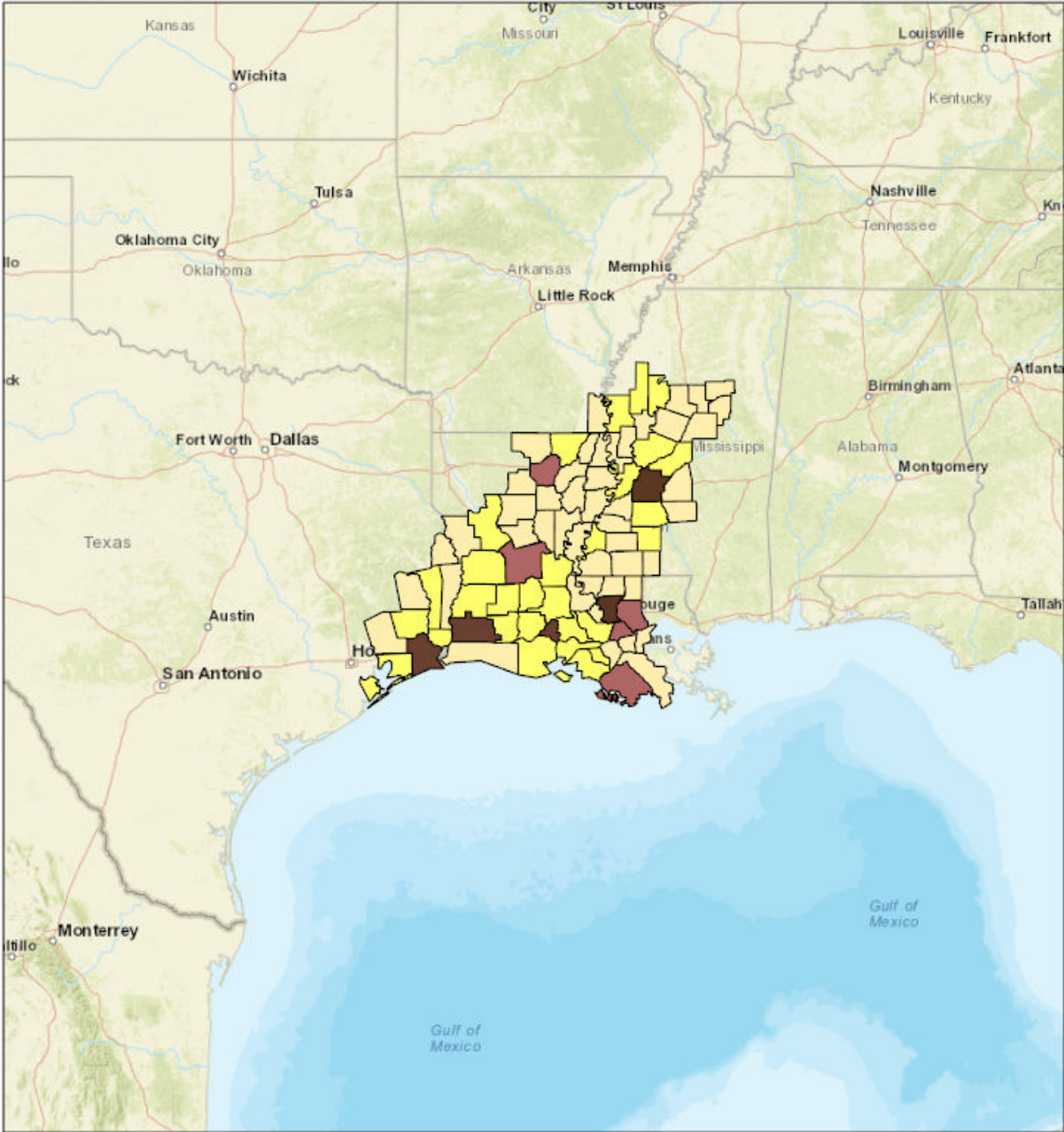
1:10,271,853



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

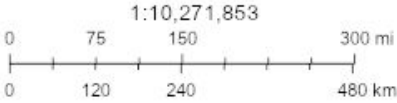
Created by SimSuite

Population



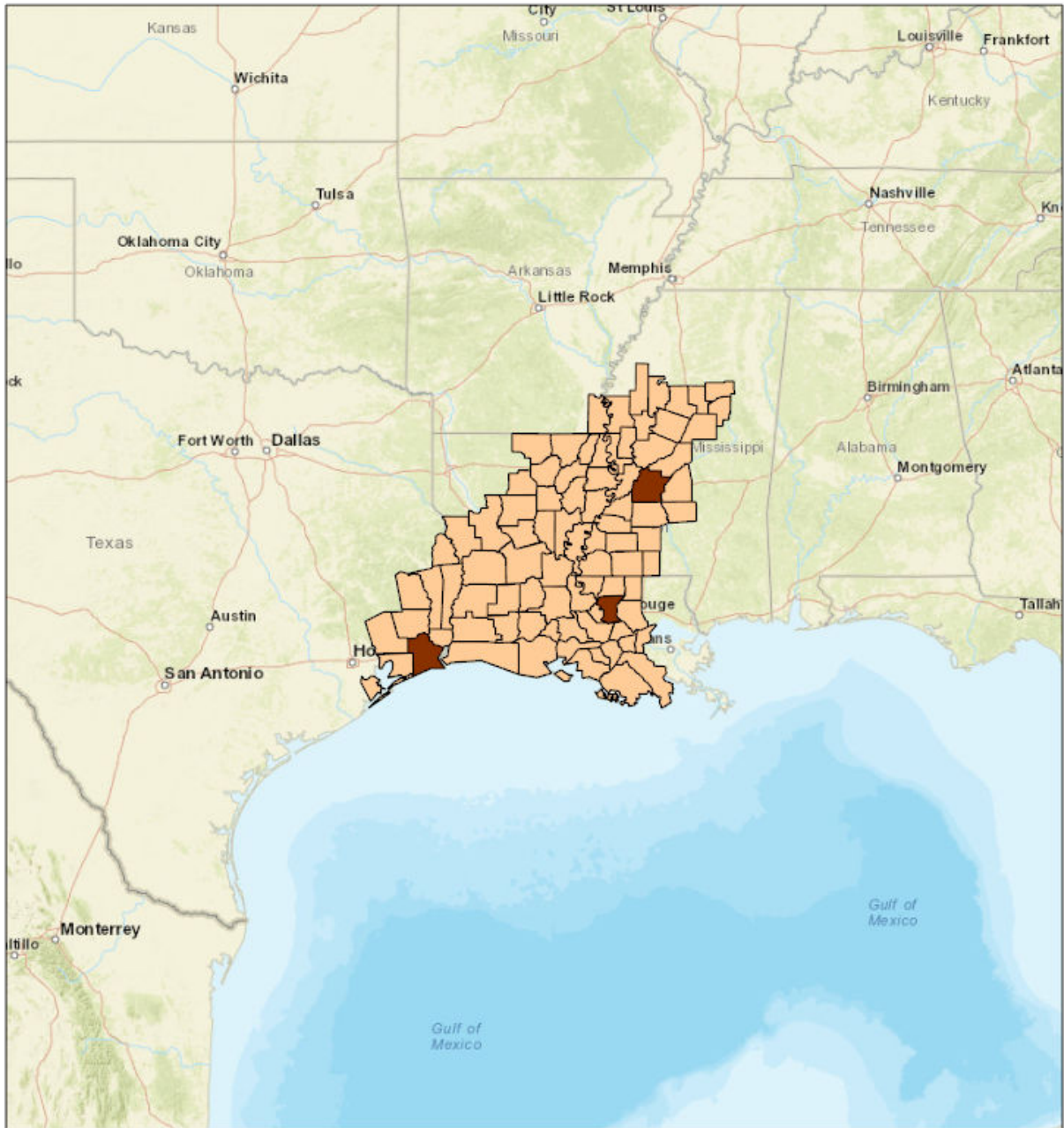
Population

- < 25,000 persons
- 25,000 - 99,000 persons
- 100,000 - 174,999 persons
- 175,000 - 249,000 persons

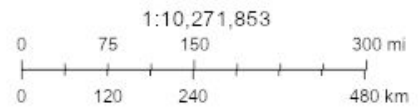


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Households



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.)	2,416,696
Temporary Roofing (units)	3,380
Population	3,900,457
Households	1,360,422

Population Distribution	
Tropical Storm	3,145,019
Category 1	591,031
Category 2	164,335

ARKANSAS	Yards of Debris (0)	Roof Units (0)	Population (12,325)	Households (5,205)
Chicot	0	0	12,325	5,205

LOUISIANA	Yards of Debris (2,344,524)	Roof Units (3,297)	Population (2,513,464)	Households (868,428)
Acadia	180,129	182	60,988	21,142
Allen	149,009	119	25,817	8,102
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
Avoyelles	38,891	45	42,426	14,738
Beauregard	32,104	37	35,094	12,104
Calcasieu	848,231	738	187,687	68,636
Caldwell	9,234	11	10,333	3,941
Cameron	66,541	53	7,338	3,591
Catahoula	15,060	17	10,656	4,082
Concordia	0	0	19,307	7,521
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	124,302	119	36,010	12,736
Franklin	43,311	50	19,999	7,754
Grant	11,411	13	21,737	7,074
Iberia	0	0	75,402	25,381
Iberville	0	0	32,992	10,674
Jackson	0	0	5,652	2,268
Jefferson Davis	68,995	1,068	31,375	11,480
La Salle	30,037	35	14,164	5,291

Lafayette	211,118	243	210,850	72,372
Lafourche	0	0	18,008	6,155
Livingston	0	0	125,599	32,630
Madison	677	1	12,172	4,469
Morehouse	0	0	28,799	11,382
Natchitoches	0	0	39,823	14,263
Ouachita	0	0	151,722	55,216
Pointe Coupee	0	0	22,820	8,397
Rapides	269,886	297	133,488	47,119
Richland	13,442	15	20,657	7,490
Sabine	0	0	6,628	2,584
St. Helena	0	0	10,363	3,873
St. James	0	0	21,505	6,992
St. John the Baptist	0	0	2,246	672
St. Landry	78,472	90	93,346	32,324
St. Martin	0	0	52,518	17,164
St. Mary	0	0	50,951	19,317
Tensas	0	0	5,558	2,416
Terrebonne	0	0	110,329	35,997
Union	0	0	846	331
Vermilion	142,431	150	56,868	19,832
Vernon	11,243	13	45,282	18,260
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	0	0	15,430	5,930

MISSISSIPPI	Yards of Debris (0)	Roof Units (0)	Population (795,743)	Households (280,363)
Adams	0	0	31,752	13,677
Amite	0	0	13,229	5,271
Attala	0	0	8,438	3,262
Carroll	0	0	10,609	4,071
Choctaw	0	0	180	72
Claiborne	0	0	11,121	3,685
Copiah	0	0	29,673	10,142
Franklin	0	0	8,292	3,211
Hinds	0	0	250,044	91,030
Holmes	0	0	21,088	7,314
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
Madison	0	0	97,343	27,219
Montgomery	0	0	12,106	4,690
Pike	0	0	844	311
Rankin	0	0	20,835	5,999
Sharkey	0	0	6,093	2,163
Simpson	0	0	203	72
Sunflower	0	0	31,694	9,637
Warren	0	0	48,349	18,756
Washington	0	0	58,324	22,158
Webster	0	0	4,121	1,575
Wilkinson	0	0	10,128	3,578
Yazoo	0	0	29,115	9,178

TEXAS	Yards of Debris (72,173)	Roof Units (83)	Population (578,925)	Households (206,426)
Chambers	0	0	33,630	9,139
Galveston	0	0	90,685	28,903
Hardin	0	0	52,994	17,805
Jasper	0	0	34,760	13,450
Jefferson	27,833	32	246,126	92,882
Liberty	0	0	15,812	4,786
Newton	0	0	14,153	5,531
Orange	44,340	51	84,766	31,642
Sabine	0	0	1,035	445
Tyler	0	0	4,965	1,843

COVID-19

#	County	Cases
1	East Baton Rouge	15,332
2	Galveston	11,807
3	Lafayette	9,082
4	Calcasieu	7,954
5	Jefferson	7,669
6	Hinds	7,326
7	Ouachita	6,451
8	Rapides	4,348
9	Livingston	3,870
10	Ascension	3,826
11	Lafourche	3,725
12	Terrebonne	3,688
13	Rankin	3,491
14	Madison	3,441
15	St. Landry	3,403
16	Acadia	3,000
17	Iberia	2,998
18	Washington	2,338
19	Lafayette	2,294
20	Liberty	2,259
21	St. Martin	2,124
22	Vermilion	2,060
23	Orange	2,008
24	St. Mary	1,956
25	Bolivar	1,912
26	East Feliciana	1,751
27	Allen	1,706
28	St. John the Baptist	1,599
29	Avoyelles	1,592
30	Panola	1,558
31	Sunflower	1,518
32	Leflore	1,470
33	Warren	1,438
34	Iberville	1,419
35	Chambers	1,377
36	Hardin	1,355
37	Evangeline	1,353
38	Jefferson Davis	1,279
39	Pike	1,277

40	Copiah	1,254
41	Natchitoches	1,233
42	Franklin	1,233
43	Lincoln	1,172
44	Grenada	1,131
45	Holmes	1,113
46	Simpson	1,100
47	Yazoo	1,086
48	Vernon	1,081
49	Pointe Coupee	1,073
50	Beauregard	1,024
51	Chicot	1,014
52	Union	1,011
53	Leake	985
54	Adams	973
55	West Baton Rouge	920
56	Sabine	899
57	Madison	888
58	Morehouse	829
59	St. James	812
60	Richland	800
61	Tallahatchie	792
62	Assumption	772
63	West Feliciana	740
64	Attala	695
65	Jackson	688
66	Winn	643
67	Calhoun	553
68	East Carroll	549
69	Concordia	524
70	Grant	502
71	Montgomery	497
72	Jasper	495
73	Claiborne	489
74	Yalobusha	454
75	Ashley	452
76	Catahoula	443
77	LaSalle	438
78	St. Helena	422
79	Quitman	402
80	Humphreys	382
81	Amite	360
82	West Carroll	352
83	Webster	351

84	Carroll	333
85	Wilkinson	312
86	Caldwell	309
87	Sharkey	268
88	Jefferson	246
89	Tyler	236
90	Cameron	228
91	Franklin	206
92	Choctaw	193
93	Newton	187
94	Tensas	163
95	Issaquena	106
96	Sabine	82

Critical Infrastructure

Summary			
Total Critical Facilities		2,018	
Power Requirements (kW)		70,967.7	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (21)	1.1	35 - 75	57.8
Cellular Towers (242)	145.2	35 - 75	7,986.0
FM Antennas (62)	3.1	35 - 75	170.5
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (59)	0.0	200 - 300	0.0
Public Schools (305)	91.5	200 - 300	22,875.0
Colleges and Universities (26)	0.5	200 - 300	130.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (200)	20.0	15 - 35	500.0
Fire Stations (292)	29.2	15 - 35	730.0
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (84)	12.6	35 - 100	850.5
Hospitals (53)	15.9	800 - 2000	22,260.0
Urgent Care Facilities (4)	0.8	200 - 300	200.0
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 (24)	0.0	15 - 35	0.0
National Security Government Military Facilities (79)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (35)	7.0	400 - 600	3,500.0
Local Police (60)	6.0	15 - 35	150.0
State Police (6)	0.3	15 - 35	7.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (16)	3.2	15 - 40	88.0
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 (2)	0.2	100 - 200	30.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (249)	0.0	600 - 1200	0.0
Amtrak Stations (1)	0.0	100 - 300	0.0
Bus Stations (10)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (6)	0.0	100 - 300	0.0
Railroad Stations (1)	0.0	100 - 300	0.0
Public-Use Airports (161)	19.3	40 - 100	1,352.4

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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