Hurricane Delta Adv. #12

US Army Corps of Engineers
BUILDING STRONG

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WASHINGTON, DC	CHICAGO	LOS ANGELES
12:39:15	11:39:15	09:39:15
07 Oct 2020	07 Oct 2020	07 Oct 2020

https://go.usa.gov/xGMtu

Updated as of 7 Oct 2020 (12:39 PM Eastern Daylight Time)

Debris	5,294,792 cu. yd.	Louisiana 99% (5,263,424) Texas <1% (29,632) Mississippi <1% (1,736) Arkansas <1% (0)
Temporary Roofing	6,515 units	Louisiana 99% (6,453) Texas <1% (59) Mississippi <1% (3) Arkansas <1% (0)
Population	4,157,237 people	Louisiana 66% (2,741,104) Mississippi 19% (788,102) Texas 15% (615,706) Arkansas <1% (12,325)
Households	1,451,147 households	Louisiana 65% (946,778) Mississippi 19% (279,189) Texas 15% (219,975) Arkansas <1% (5,205)

Critical Infrastructure Summary

Total

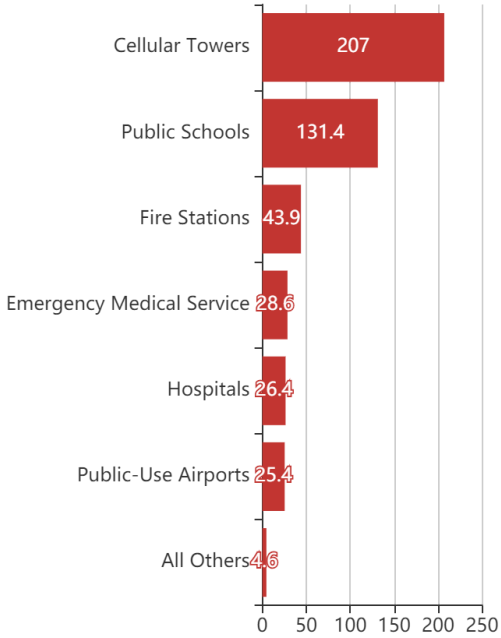
2.8K
critical facilities

Power Requirements

105.9
MW

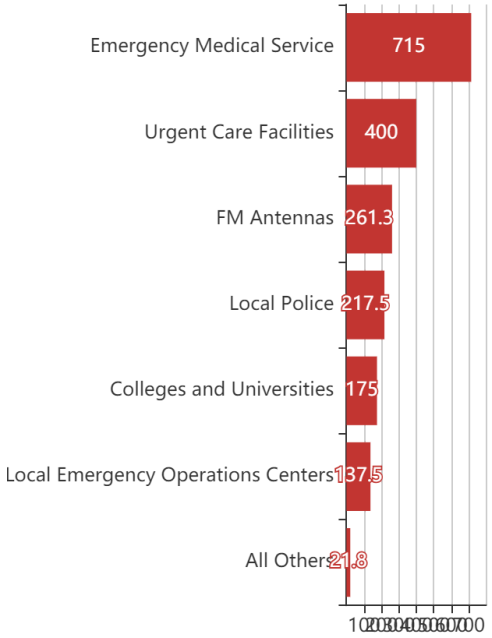
Generators

By Generator Count



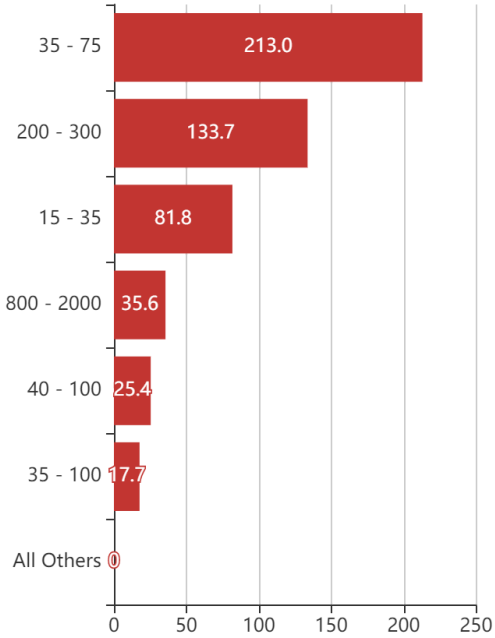
Generators

By Power Requirement



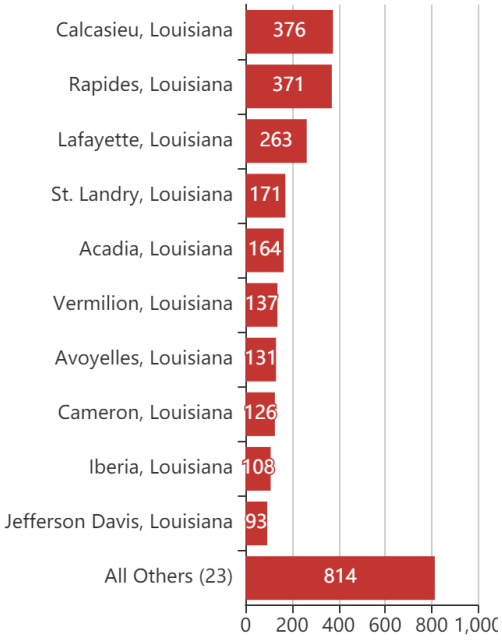
Generators

By Range



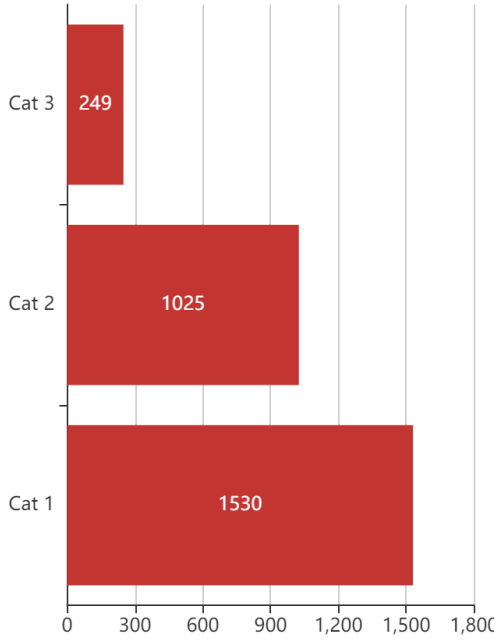
Structures

By County



Structures

By Intensity



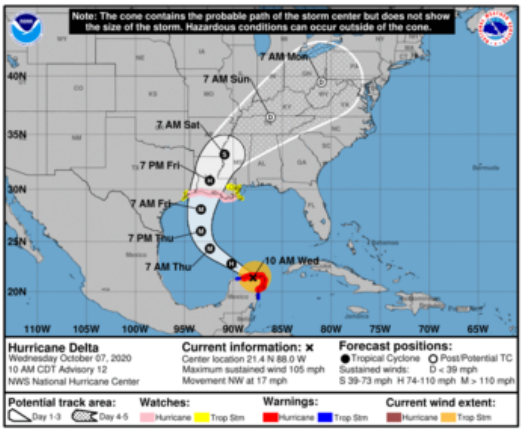
Key Messages for Hurricane Delta

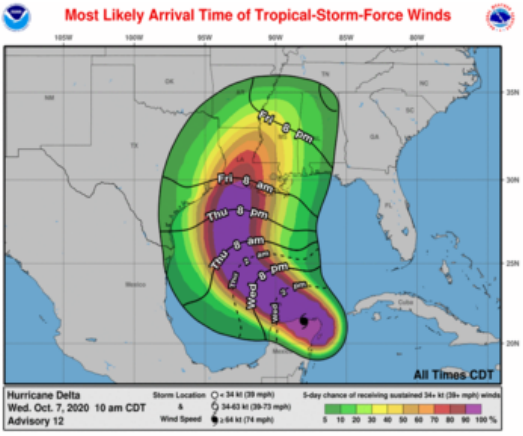
Advisory 12: 10:00 AM CDT Wed Oct 07, 2020

1. Life-threatening storm surge and dangerous winds will continue within portions of the northern Yucatan Peninsula of Mexico into early afternoon. Heavy rainfall, which could lead to significant flash flooding, will affect the northern Yucatan Peninsula through early Thursday.

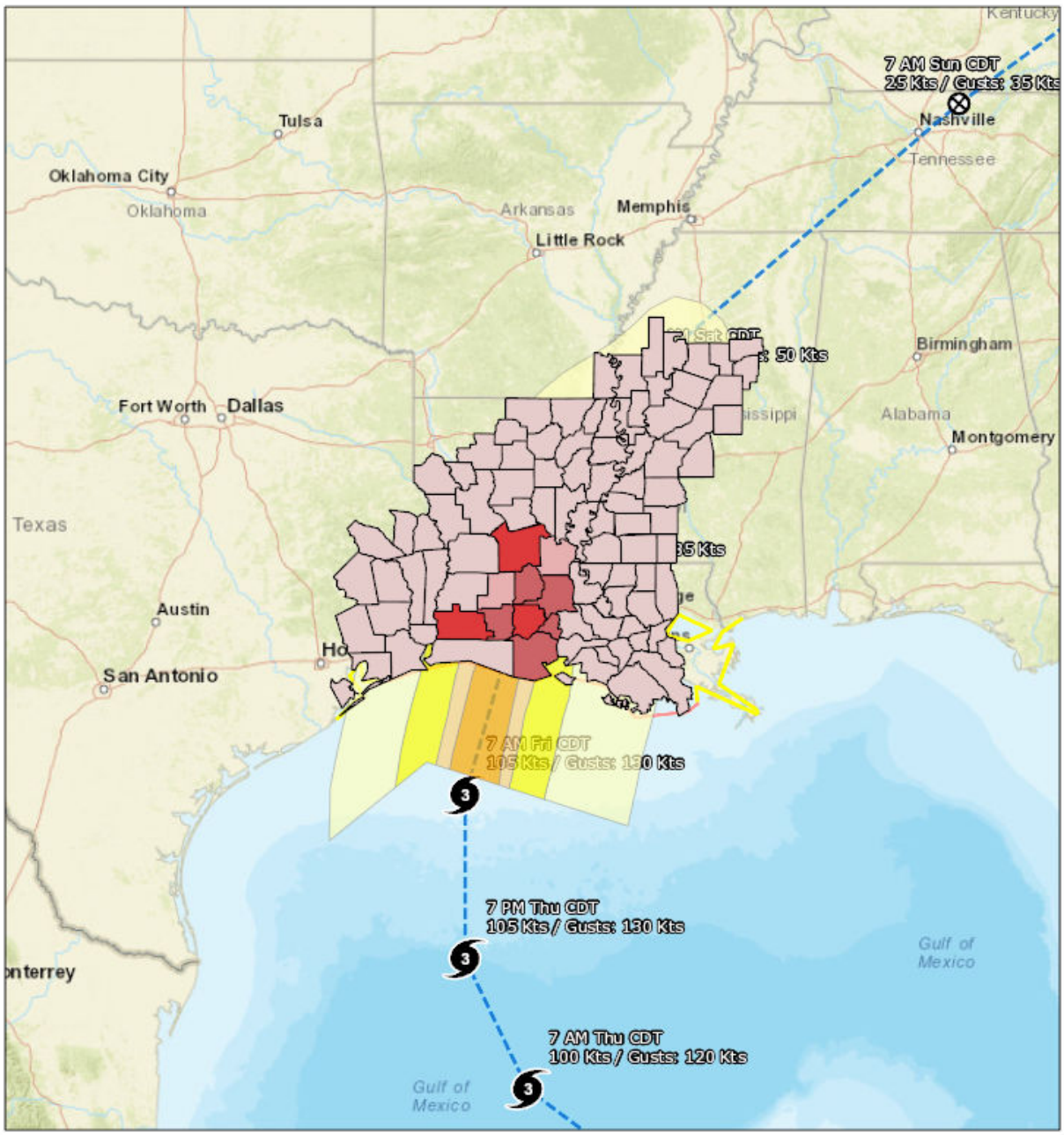
2. Delta is expected to grow in size as it approaches the northern Gulf Coast, where there is an increasing likelihood of life- threatening storm surge and dangerous hurricane-force winds beginning Friday, particularly for portions of the Louisiana coast. Storm Surge and Hurricane Watches are in effect, and residents in these areas should follow advice given by local officials.

3. Flash, urban, small stream, and minor river flooding is likely Friday through Saturday from portions of the central Gulf Coast northward into portions of the Lower to Middle Mississippi Valley. As Delta moves farther inland, additional heavy rainfall is expected in the Ohio Valley and Mid Atlantic this weekend.





For more information go to hurricanes.gov



1:8,859,473

0 65 130 260 mi

0 100 200 400 km

Mission Summaries

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards

Mission Model Swaths

- TS
- Cat 1
- Cat 2
- Cat 3
- 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

Created by SimSuite

Debris

1:10,271,853

0 75 150 300 mi

0 120 240 480 km

Debris

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards

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

1:10,271,853

0 75 150 300 mi

0 120 240 480 km

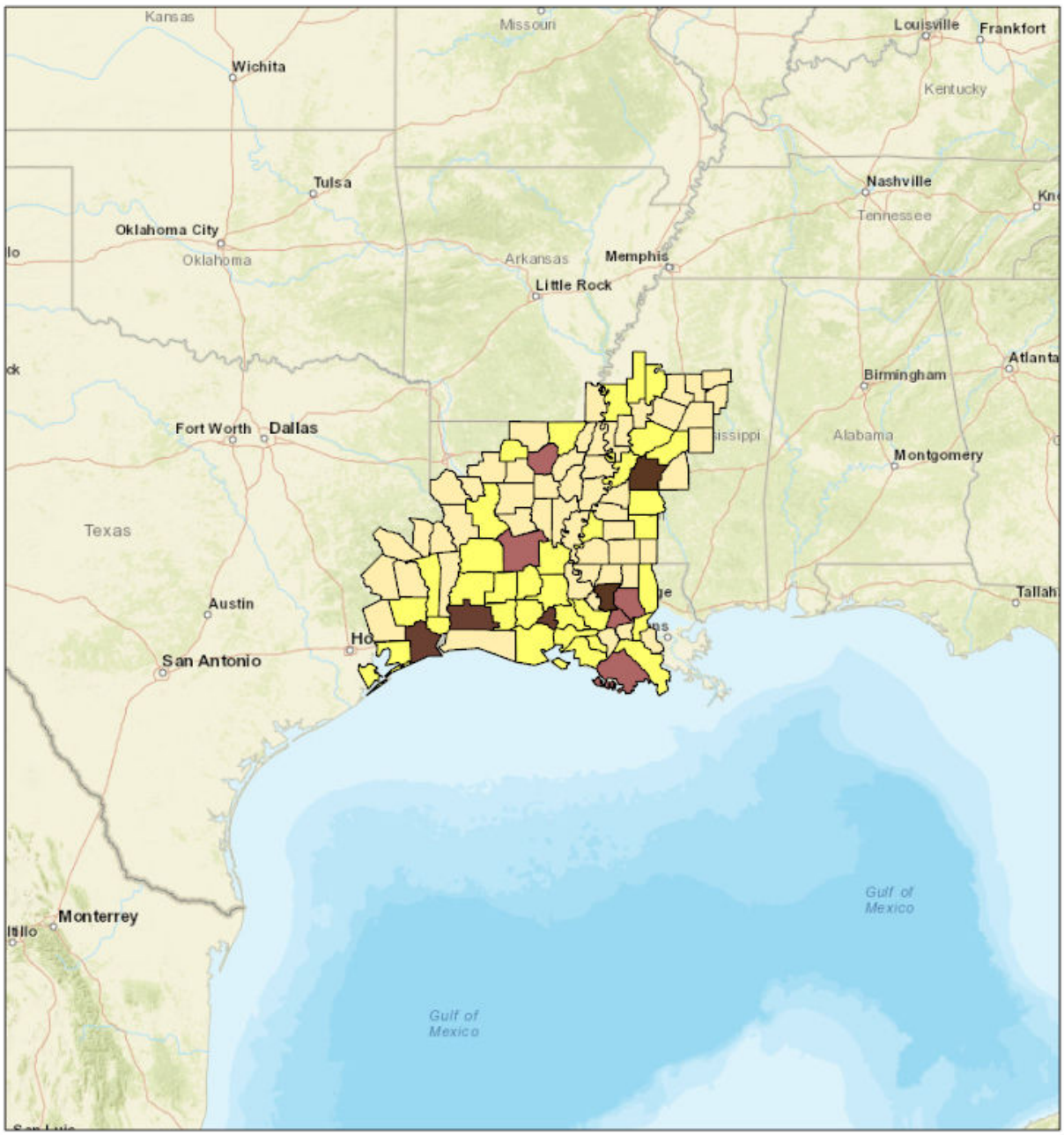
Temporary Roofing

< 2,000 units

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



1:10,271,853

0 75 150 300 mi

0 120 240 480 km

Population

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

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

Households

1:10,271,853

0 75 150 300 mi

0 120 240 480 km

Households

< 7,500 Households

15,000 - 24,999 Households

25,000 - 49,999 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

Created by SimSuite

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	95
Debris (cu. yd.)	5,294,792
Temporary Roofing (units)	6,515
Population	4,157,237
Households	1,451,147

Population Distribution	
Tropical Storm	2,997,622
Category 1	707,747
Category 2	333,556
Category 3	118,353

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 (5,263,424)	Roof Units (6,453)	Population (2,741,104)	Households (946,778)
Acadia	733,153	574	60,985	21,141
Allen	182,401	183	25,819	8,102
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
Avoyelles	176,134	256	42,426	14,738
Beauregard	40,635	81	35,093	12,104
Bienville	0	0	14,864	6,108
Calcasieu	618,309	917	187,669	68,629
Caldwell	33,732	53	10,333	3,941
Cameron	95,245	78	7,340	3,592
Catahoula	58,435	81	10,656	4,082
Concordia	31,420	61	19,307	7,521
De Soto	0	0	1,130	413
East Baton Rouge	0	0	430,746	156,365
East Carroll	7,061	14	8,196	2,969
East Feliciana	0	0	20,723	6,699
Evangeline	469,823	353	36,011	12,736
Franklin	70,365	111	19,999	7,754
Grant	48,788	80	21,737	7,074
Iberia	71,733	142	75,402	25,381
Iberville	157	0	32,992	10,674

Jackson	0	0	15,165	6,086
Jefferson Davis	453,189	324	31,374	11,480
La Salle	83,968	114	14,164	5,291
Lafayette	454,098	820	210,850	72,372
Lafourche	0	0	37,693	12,882
Lincoln	0	0	42,709	15,235
Livingston	0	0	125,599	32,630
Madison	8,714	17	12,171	4,469
Morehouse	2,619	5	28,799	11,382
Natchitoches	2,563	5	39,823	14,263
Ouachita	29,002	58	151,722	55,216
Pointe Coupee	17,034	34	22,820	8,397
Rapides	722,627	951	133,482	47,116
Red River	0	0	4,788	1,766
Richland	38,682	76	20,657	7,490
Sabine	0	0	23,657	9,221
St. Charles	0	0	8,247	2,568
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	311,149	460	93,347	32,324
St. Martin	37,182	74	52,518	17,164
St. Mary	1,964	4	50,953	19,318
Tangipahoa	0	0	42,419	12,947
Tensas	3,364	7	5,558	2,416
Terrebonne	0	0	110,329	35,997
Union	0	0	22,631	8,857
Vermilion	399,378	399	56,869	19,833
Vernon	38,873	77	45,284	18,261
West Baton Rouge	0	0	23,162	7,663
West Carroll	13,443	27	11,456	4,458
West Feliciana	1,200	2	15,317	3,645
Winn	6,986	14	15,431	5,930

MISSISSIPPI	Yards of Debris (1,736)	Roof Units (3)	Population (788,102)	Households (279,189)
Adams	1,661	3	31,752	13,677
Amite	0	0	13,229	5,271
Attala	0	0	9,874	3,817
Carroll	0	0	10,609	4,071
Choctaw	0	0	235	94
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
Leake	0	0	8	3
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	14,497	5,335
Rankin	0	0	382	110
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
Webster	0	0	1,984	758
Wilkinson	75	0	10,128	3,578
Yazoo	0	0	29,115	9,178

TEXAS	Yards of Debris (29,632)	Roof Units (59)	Population (615,706)	Households (219,975)
Angelina	0	0	17	6
Chambers	0	0	33,630	9,139
Galveston	0	0	94,374	30,079
Hardin	0	0	52,994	17,805
Jasper	0	0	34,760	13,450
Jefferson	8,727	17	246,125	92,882
Liberty	0	0	22,684	6,866
Newton	0	0	14,285	5,583
Orange	20,905	42	84,766	31,642
Polk	0	0	208	68
Sabine	0	0	10,437	4,485
San Augustine	0	0	476	195
Tyler	0	0	20,950	7,775

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	Tangipahoa	4,568
9	Rapides	4,348
10	Livingston	3,870
11	Ascension	3,826
12	Lafourche	3,725
13	Terrebonne	3,688
14	Rankin	3,491
15	Madison	3,441
16	St. Landry	3,403
17	Acadia	3,000
18	Iberia	2,998
19	Washington	2,338
20	Liberty	2,259
21	Angelina	2,205
22	St. Martin	2,124
23	Vermilion	2,060
24	Orange	2,008
25	St. Mary	1,956
26	Bolivar	1,912
27	St. Charles	1,849
28	East Feliciana	1,751
29	Allen	1,706
30	St. John the Baptist	1,599
31	Avoyelles	1,592
32	Panola	1,558
33	Sunflower	1,518
34	Leflore	1,470
35	Lincoln	1,448
36	Warren	1,438
37	Iberville	1,419
38	Chambers	1,377
39	Hardin	1,355

40	Evangeline	1,353
41	Jefferson Davis	1,279
42	Pike	1,277
43	Copiah	1,254
44	Natchitoches	1,233
45	Franklin	1,233
46	Coahoma	1,195
47	Lincoln	1,172
48	Grenada	1,131
49	Holmes	1,113
50	Yazoo	1,086
51	Vernon	1,081
52	Pointe Coupee	1,073
53	Beauregard	1,024
54	Chicot	1,014
55	Union	1,011
56	Leake	985
57	Adams	973
58	Union	948
59	De Soto	929
60	West Baton Rouge	920
61	Sabine	899
62	Madison	888
63	Polk	876
64	Morehouse	829
65	St. James	812
66	Richland	800
67	Tallahatchie	792
68	Assumption	772
69	West Feliciana	740
70	Attala	695
71	Jackson	688
72	Winn	643
73	Calhoun	553
74	East Carroll	549
75	Concordia	524
76	Bienville	507
77	Grant	502
78	Montgomery	497
79	Jasper	495
80	Claiborne	489
81	Yalobusha	454
82	Ashley	452
83	Catahoula	443

83	Catahoula	440
84	LaSalle	438
85	St. Helena	422
86	Quitman	402
87	Humphreys	382
88	Drew	366
89	Red River	365
90	Amite	360
91	West Carroll	352
92	Webster	351
93	Carroll	333
94	Desha	326
95	Wilkinson	312
96	Caldwell	309
97	Sharkey	268
98	Jefferson	246
99	Tyler	236
100	Cameron	228
101	San Augustine	207
102	Franklin	206
103	Choctaw	193
104	Newton	187
105	Tensas	163
106	Issaquena	106
107	Sabine	82

Critical Infrastructure

Summary	
Total Critical Facilities	2,804
Power Requirements (kW)	105,909.2

Range (kW)	

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (24)	1.2	35 - 75	66.0
Cellular Towers (345)	207.0	35 - 75	11,385.0
FM Antennas (95)	4.8	35 - 75	261.3

Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (87)	0.0	200 - 300	0.0
Public Schools (438)	131.4	200 - 300	32,850.0
Colleges and Universities (35)	0.7	200 - 300	175.0

Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (286)	28.6	15 - 35	715.0
Fire Stations (439)	43.9	15 - 35	1,097.5
Service Providers (1)	0.0	0 - 0	0.0

Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (118)	17.7	35 - 100	1,194.8
Hospitals (88)	26.4	800 - 2000	36,960.0
Urgent Care Facilities (8)	1.6	200 - 300	400.0

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 (33)	0.0	15 - 35	0.0
National Security Government Military Facilities (111)	0.0	15 - 35	0.0

Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (57)	11.4	400 - 600	5,700.0
Local Police (87)	8.7	15 - 35	217.5
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 (25)	5.0	15 - 40	137.5
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 (5)	0.5	100 - 200	75.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (235)	0.0	600 - 1200	0.0
Amtrak Stations (3)	0.0	100 - 300	0.0
Bus Stations (22)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (13)	0.0	100 - 300	0.0
Railroad Stations (3)	0.0	100 - 300	0.0
Public-Use Airports (212)	25.4	40 - 100	1,780.8

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (23)	9.2	800 - 2000	12,880.0