



US Army Corps of Engineers
BUILDING STRONG®

Hurricane Laura Adv. #28 (storm surge included)

For Planning Purposes Only!

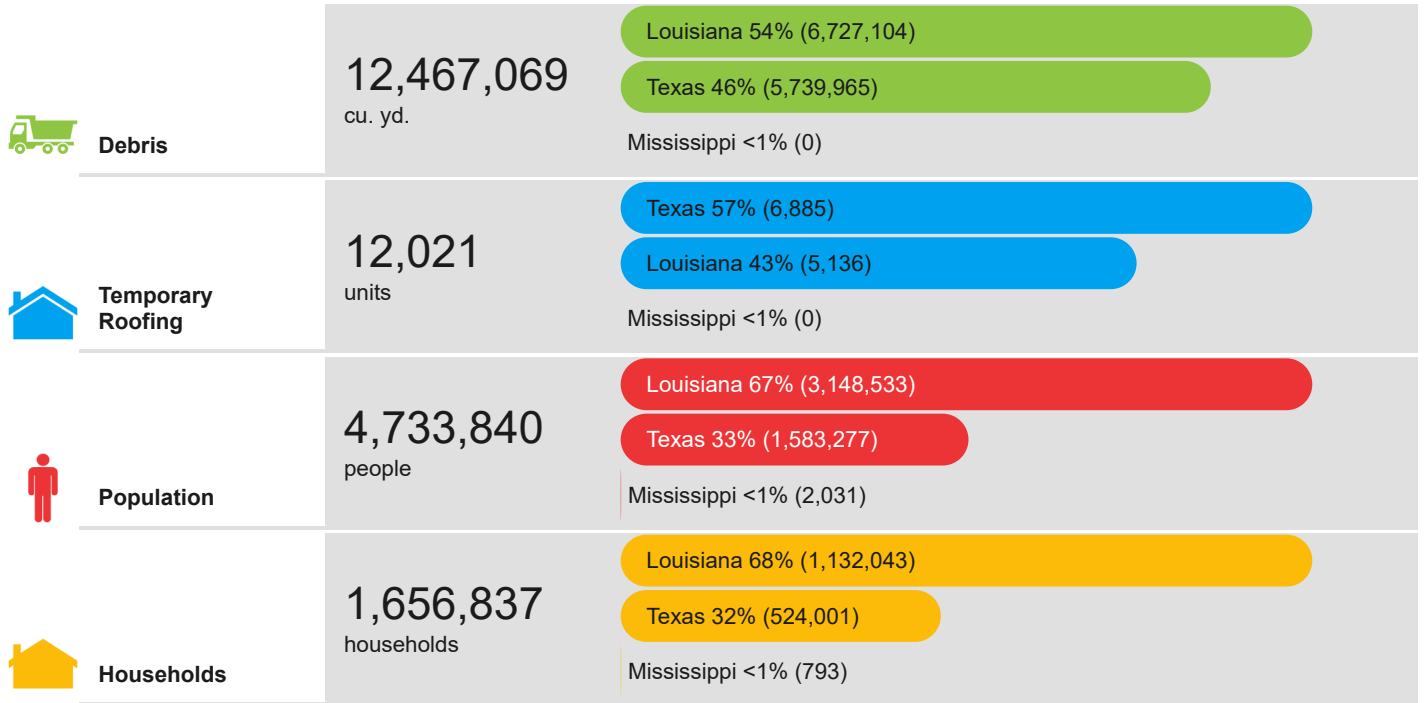
WASHINGTON, DC
17:44:25
26 Aug 2020

CHICAGO
16:44:25
26 Aug 2020

LOS ANGELES
14:44:25
26 Aug 2020

<https://go.usa.gov/xGxt2>

Updated as of 26 Aug 2020 (4:44 PM Central Daylight Time)



Critical Infrastructure Summary

Total

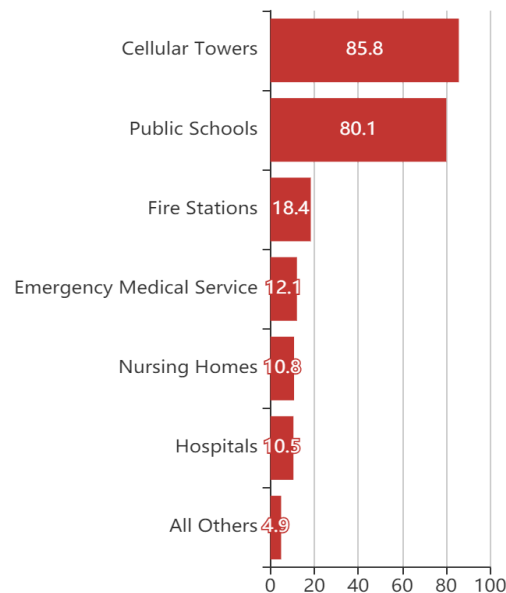
1.6K
critical facilities

Power Requirements

53.3
MW

Generators

By Generator Count





Key Messages for Hurricane Laura

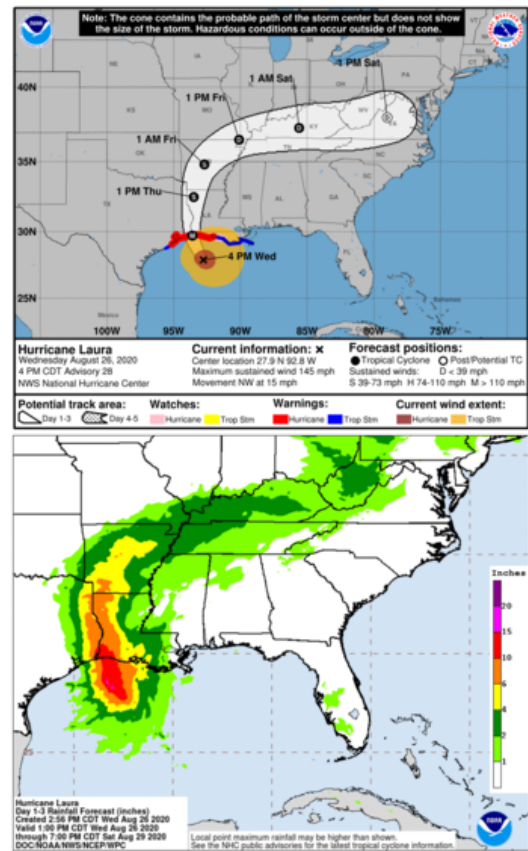
Advisory 28: 4:00 PM CDT Wed Aug 26, 2020



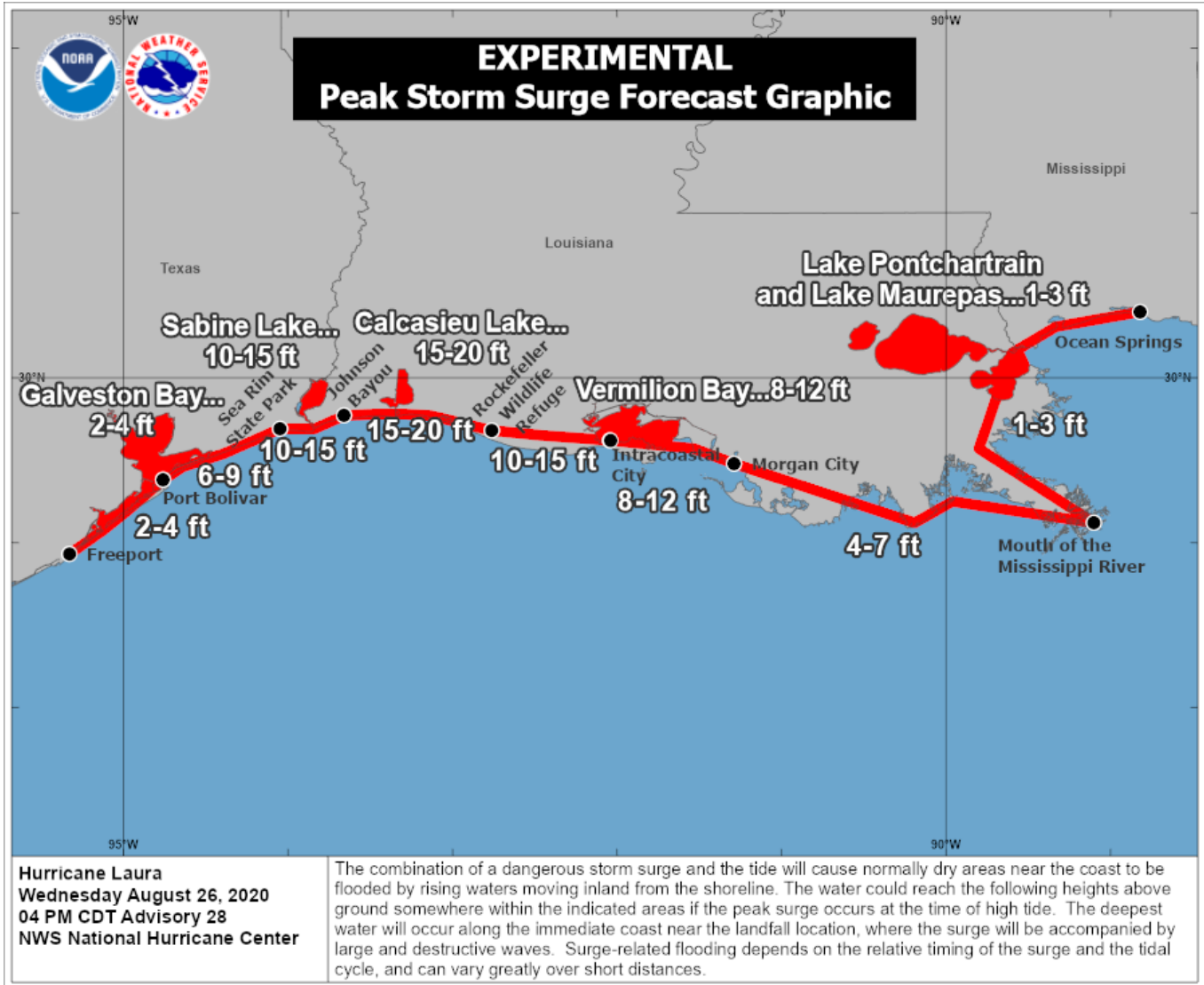
1. Unsurvivable storm surge with large and destructive waves will cause catastrophic damage from Sea Rim State Park, Texas, to Intracoastal City, Louisiana, including Calcasieu and Sabine Lakes. This surge could penetrate up to 40 miles inland from the immediate coastline, and flood waters will not fully recede for several days after the storm.

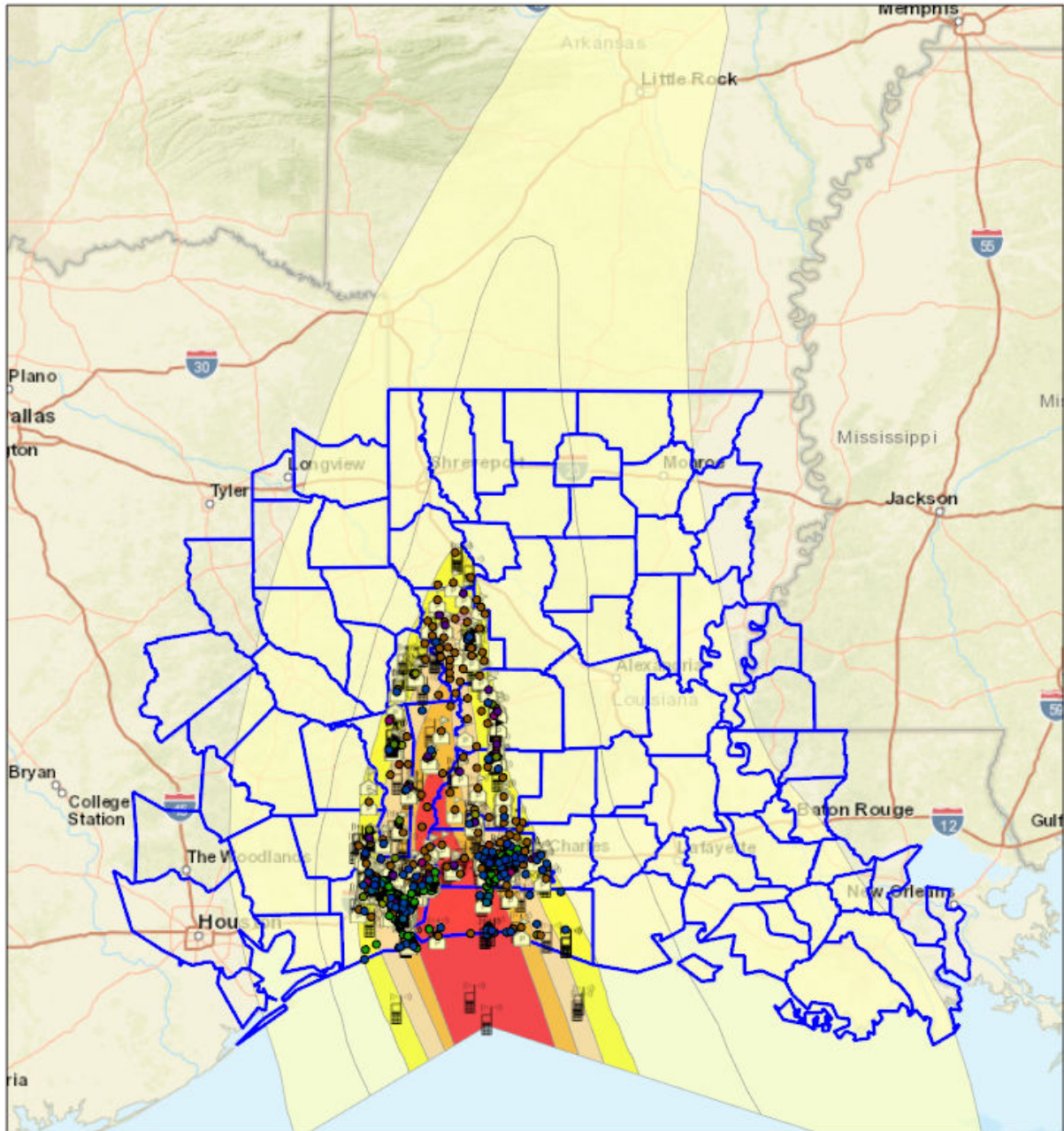
2. Hurricane-force winds are expected tonight in portions of the hurricane warning area, with catastrophic wind damage expected where Laura's eyewall moves onshore. Hurricane-force winds and widespread damaging wind gusts will spread well inland into portions of extreme eastern Texas and western Louisiana early Thursday.

3. Widespread flash flooding along small streams, urban areas, and roadways is expected to begin this afternoon into Thursday from far eastern Texas into Louisiana and Arkansas. This will also lead to minor to moderate freshwater river flooding. The heavy rainfall threat and flash and urban flooding potential will spread northeastward into the middle-Mississippi, lower Ohio, and Tennessee Valleys Friday night and Saturday.

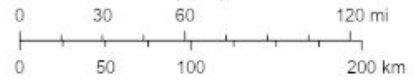


For more information go to hurricanes.gov





1:4,320,598



- | | |
|-----------------|---------------------------|
| Structures | Colleges and Universities |
| AM Antennas | Emergency Medical Service |
| Cellular Towers | Fire Stations |
| FM Antennas | Service Providers |
| Private Schools | Nursing Homes |
| Public Schools | Hospitals |

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

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	78
Debris (cu. yd.)	12,467,069
Temporary Roofing (units)	12,021
Population	4,733,840.452
Households	1,656,836.821

Population Distribution	
Tropical Storm	3,714,084
Category 1	181,536
Category 2	182,978
Category 3	112,545
Category 4	107,151

LOUISIANA	Yards of Debris (6,727,104)	Roof Units (5,136)	Population (3,148,533)	Households (1,132,043)
Acadia	0	0	60,986	21,141
Allen	2,440	10	25,818	8,102
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
Avoyelles	0	0	42,420	14,736
Beauregard	393,513	526	35,093	12,104
Bienville	0	0	14,864	6,108
Bossier	0	0	113,578	36,627
Caddo	0	0	254,855	97,974
Calcasieu	5,755,880	3,640	187,676	68,632
Caldwell	0	0	10,332	3,941
Cameron	313,246	129	7,340	3,593
Catahoula	0	0	10,656	4,082
Claiborne	0	0	16,229	6,270
Concordia	0	0	19,307	7,521
De Soto	18,719	73	26,528	9,692
East Baton Rouge	0	0	231,132	83,903
East Feliciana	0	0	434	140
Evangeline	0	0	36,010	12,736
Franklin	0	0	3,720	1,442
Grant	0	0	21,734	7,073
Iberia	0	0	75,402	25,381
Iberville	0	0	32,992	10,674

Jackson	0	0	15,169	6,088
Jefferson	0	0	435,334	176,234
Jefferson Davis	14,059	55	31,376	11,480
La Salle	0	0	14,165	5,291
Lafayette	0	0	210,850	72,372
Lafourche	0	0	93,799	32,057
Lincoln	0	0	42,709	15,235
Morehouse	0	0	6,308	2,493
Natchitoches	3,183	12	39,823	14,263
Ouachita	0	0	151,722	55,216
Pointe Coupee	0	0	22,820	8,397
Rapides	0	0	133,492	47,120
Red River	0	0	9,256	3,414
Richland	0	0	7,025	2,547
Sabine	128,292	387	23,654	9,220
St. James	0	0	21,505	6,992
St. John the Baptist	0	0	4,433	1,326
St. Landry	0	0	93,360	32,329
St. Martin	0	0	52,518	17,164
St. Mary	0	0	50,951	19,317
Terrebonne	0	0	110,329	35,997
Union	0	0	22,631	8,857
Vermilion	733	3	56,869	19,833
Vernon	97,038	301	45,283	18,261
Webster	0	0	41,058	16,501
West Baton Rouge	0	0	23,162	7,663
West Feliciana	0	0	15,318	3,645
Winn	0	0	15,428	5,929

MISSISSIPPI	Yards of Debris (0)	Roof Units (0)	Population (2,031)	Households (793)
Adams	0	0	973	419
Wilkinson	0	0	1,057	374

TEXAS	Yards of Debris (5,739,965)	Roof Units (6,885)	Population (1,583,277)	Households (524,001)
Angelina	0	0	83,606	28,615
Chambers	0	0	33,620	9,136
Cherokee	0	0	1,178	400
Galveston	0	0	93,536	29,812
Gregg	0	0	3,900	1,398
Hardin	43,440	155	52,980	17,800
Harris	0	0	521,299	151,066
Harrison	0	0	64,427	23,087
Houston	0	0	70	25
Jasper	336,407	739	34,759	13,450
Jefferson	1,572,978	3,520	246,141	92,888
Liberty	0	0	76,723	23,224
Montgomery	0	0	9,060	2,021
Nacogdoches	0	0	63,010	22,006
Newton	522,874	397	14,284	5,583
Orange	3,173,045	1,835	84,762	31,640
Panola	0	0	23,152	8,821
Polk	0	0	46,488	15,119
Rusk	0	0	49,316	17,364
Sabine	79,035	195	10,438	4,486
San Augustine	116	0	8,709	3,575
San Jacinto	0	0	9,575	3,221
Shelby	1,490	6	26,610	9,595
Trinity	0	0	4,679	1,893
Tyler	10,581	39	20,956	7,777

Critical Infrastructure

Summary			
Total Critical Facilities		1,569	
Power Requirements (kW)		53,296.4	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (19)	1.0	35 - 75	52.3
Cellular Towers (143)	85.8	35 - 75	4,719.0
FM Antennas (55)	2.8	35 - 75	151.3
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (30)	0.0	200 - 300	0.0
Public Schools (267)	80.1	200 - 300	20,025.0
Colleges and Universities (16)	0.3	200 - 300	80.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (121)	12.1	15 - 35	302.5
Fire Stations (184)	18.4	15 - 35	460.0
Service Providers (1)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (72)	10.8	35 - 100	729.0
Hospitals (35)	10.5	800 - 2000	14,700.0
Urgent Care Facilities (4)	0.8	200 - 300	200.0
Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (0)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (7)	0.0	15 - 35	0.0
National Security Government Military Facilities (54)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (26)	5.2	400 - 600	2,600.0
Local Police (35)	3.5	15 - 35	87.5
State Police (4)	0.2	15 - 35	5.0
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (12)	2.4	15 - 40	66.0
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 (354)	0.0	600 - 1200	0.0
Amtrak Stations (2)	0.0	100 - 300	0.0
Bus Stations (12)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (15)	0.0	100 - 300	0.0
Railroad Stations (2)	0.0	100 - 300	0.0
Public-Use Airports (82)	9.8	40 - 100	688.8

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (15)	6.0	800 - 2000	8,400.0

COVID-19

#	County	Cases
1	Harris	100,171
2	Jefferson	16,159
3	East Baton Rouge	13,391
4	Galveston	10,430
5	Montgomery	8,268
6	Lafayette	8,136
7	Calcasieu	7,256
8	Caddo	7,117
9	Pulaski	6,675
10	Jefferson	6,559
11	Ouachita	5,355
12	Rapides	3,679
13	Livingston	3,313
14	Terrebonne	3,259
15	Ascension	3,245
16	Lafourche	3,211
17	St. Landry	3,006
18	Acadia	2,776
19	Iberia	2,686
20	Bossier	2,619
21	Angelina	1,968
22	St. Martin	1,928
23	Jefferson	1,924
24	Vermilion	1,842
25	Gregg	1,803
26	Orange	1,744
27	St. Mary	1,739
28	Hot Spring	1,684
29	St. Charles	1,611
30	Pope	1,605
31	Liberty	1,602
32	Faulkner	1,579
33	St. John the Baptist	1,499
34	Allen	1,426
35	Saline	1,409
36	Lincoln	1,384
37	Cherokee	1,353
38	Garland	1,320
39	Iberville	1,311

40	Nacogdoches	1,292
41	Avoyelles	1,248
42	Hardin	1,233
43	Jefferson Davis	1,149
44	Sevier	1,134
45	Chambers	1,123
46	Yell	1,113
47	Franklin	1,059
48	Evangeline	1,019
49	Webster	993
50	Vernon	927
51	Beauregard	924
52	Pointe Coupee	917
53	Natchitoches	898
54	Lincoln	883
55	East Feliciana	865
56	Bowie	860
57	West Baton Rouge	809
58	De Soto	804
59	Union	796
60	Harrison	774
61	Polk	774
62	St. James	752
63	Adams	744
64	Sabine	735
65	Richland	664
66	Lonoke	661
67	Assumption	651
68	Union	650
69	Morehouse	580
70	Miller	578
71	Rusk	556
72	Winn	531
73	Houston	526
74	West Feliciana	504
75	White	472
76	Shelby	428
77	Jackson	425
78	Concordia	420
79	Bienville	409
80	Howard	398
81	Jasper	393
82	Grant	388
83	Ashlev	380

84	LaSalle	379
85	Catahoula	354
86	Claiborne	342
87	Hempstead	312
88	Red River	309
89	Panola	305
90	Drew	294
91	Columbia	284
92	Wilkinson	273
93	Caldwell	271
94	Bradley	267
95	Little River	265
96	Cleburne	247
97	Cass	229
98	Clark	215
99	Cameron	201
100	San Jacinto	197
101	Conway	193
102	San Augustine	186
103	Tyler	175
104	Trinity	172
105	Grant	169
106	Newton	162
107	Pike	161
108	Nevada	158
109	Marion	139
110	Ouachita	133
111	Cleveland	130
112	Prairie	114
113	Dallas	103
114	Van Buren	99
115	Sabine	72
116	Lafayette	65
117	Montgomery	61
118	Perry	58
119	Calhoun	23