



US Army Corps of Engineers
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Hurricane Zeta Adv. #11

For Planning Purposes Only!

WASHINGTON, DC
10:15:54
27 Oct 2020

CHICAGO
09:15:54
27 Oct 2020

LOS ANGELES
07:15:54
27 Oct 2020

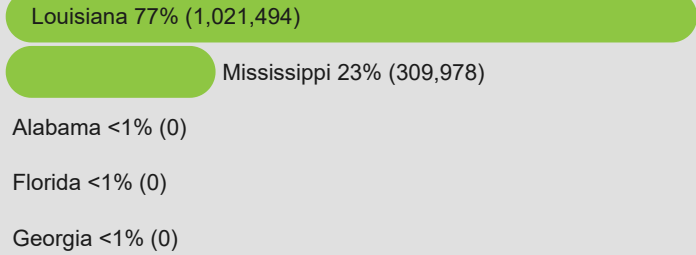
<https://go.usa.gov/x726F>

Updated as of 27 Oct 2020 (9:15 AM Central Daylight Time)



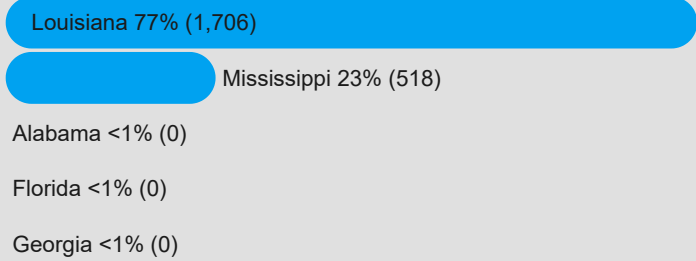
Debris

1,331,472
cu. yd.



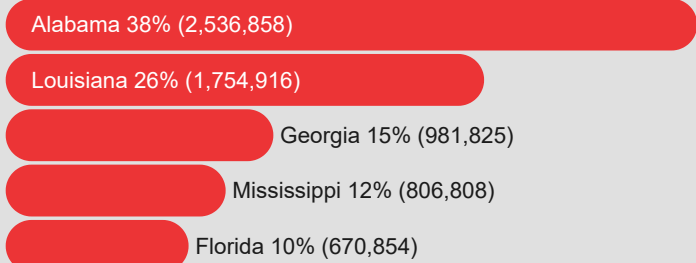
Temporary Roofing

2,223
units



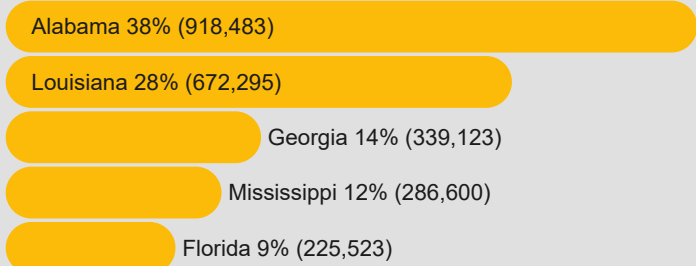
Population

6,751,261
people



Households

2,442,024
households



Critical Infrastructure Summary

Total

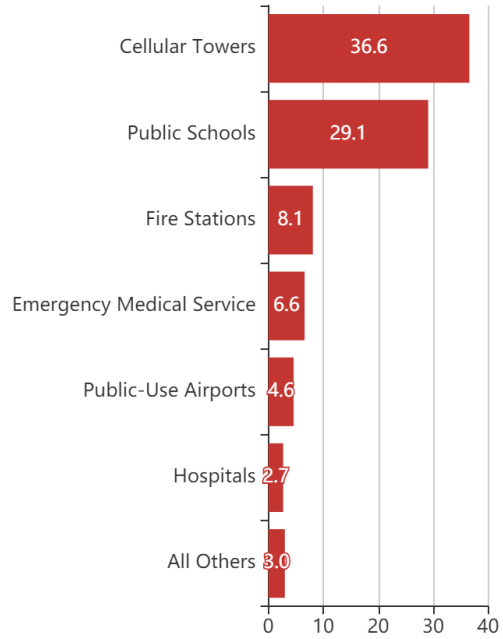


Power Requirements



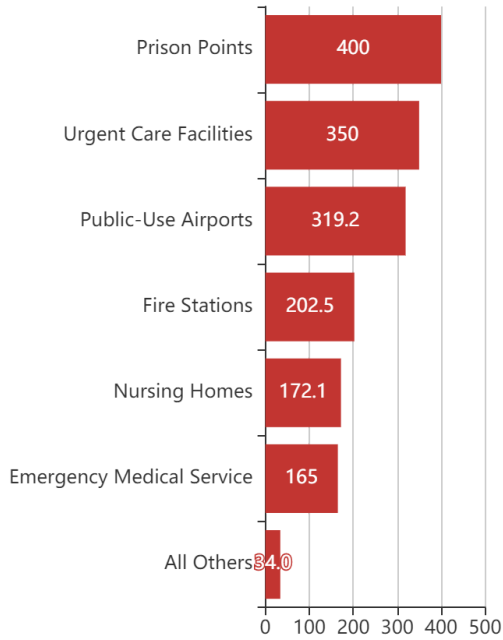
Generators

By Generator Count



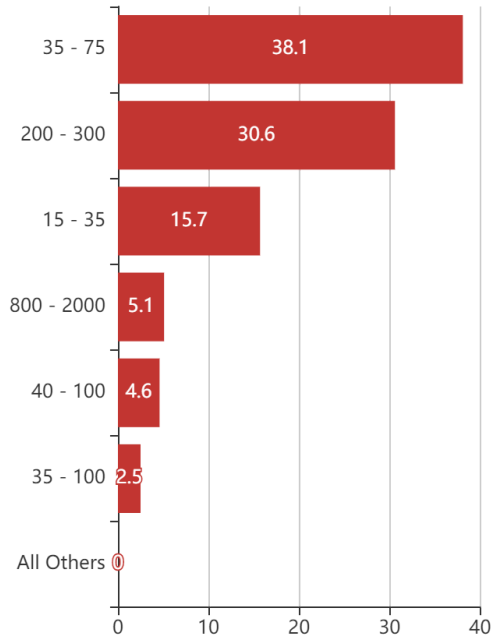
Generators

By Power Requirement



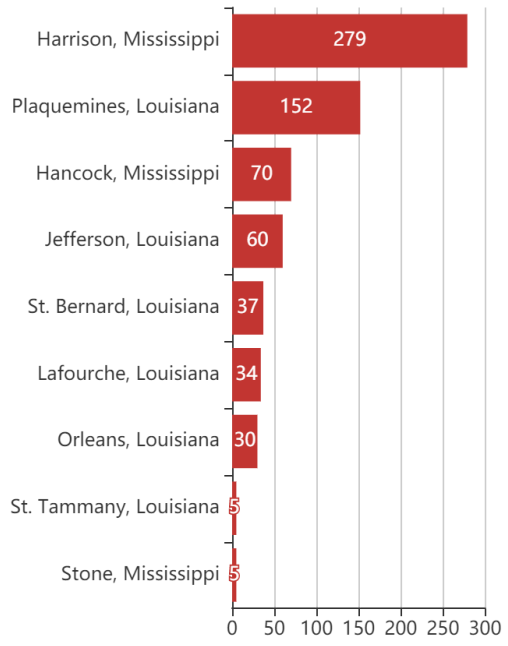
Generators

By Range



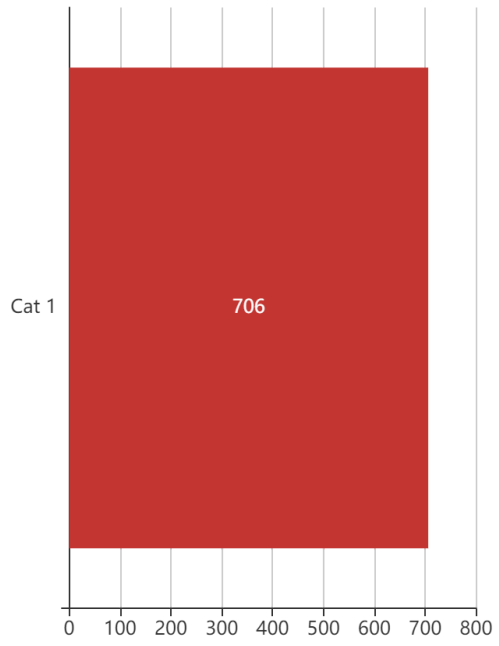
Structures

By County



Structures

By Intensity





Key Messages for Tropical Storm Zeta

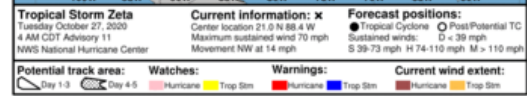
Advisory 11: 4:00 AM CDT Tue Oct 27, 2020



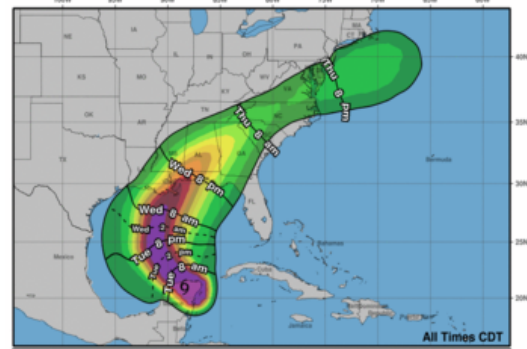
1. Tropical storm conditions will continue in portions of the northern Yucatan Peninsula of Mexico through this morning. Heavy rainfall is expected across the Yucatan Peninsula, the Cayman Islands, and western Cuba today, which could lead to flash flooding in urban areas.

2. Hurricane conditions and life-threatening storm surge are expected along portions of the northern Gulf Coast by late Wednesday, and Storm Surge and Hurricane Warnings are in effect. Residents in the watch areas should follow any advice given by local officials.

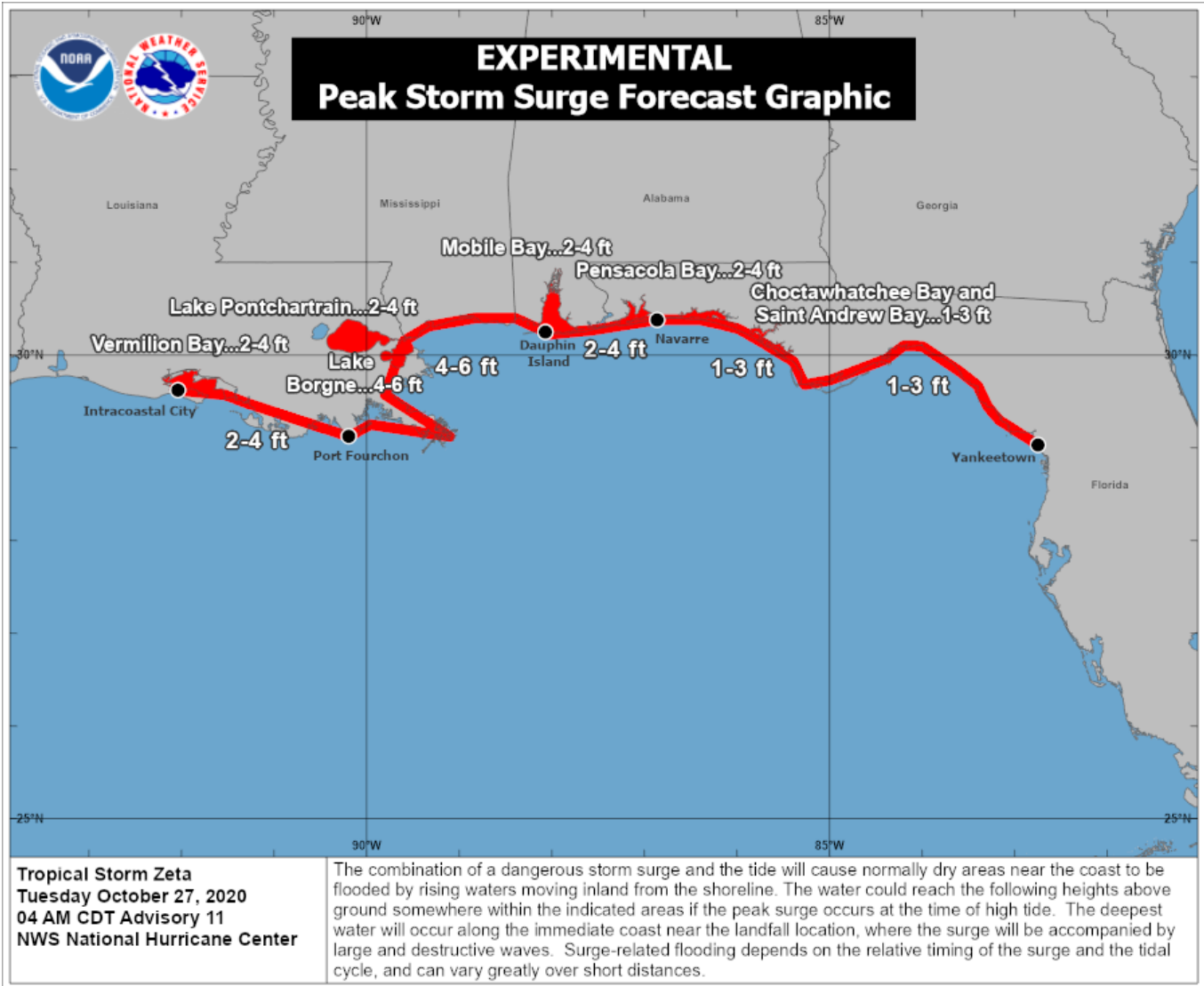
3. Between tonight and Thursday, heavy rainfall is expected from portions of the central U.S. Gulf Coast into the southern Appalachians, and Mid-Atlantic States near and in advance of Zeta. This rainfall will lead to flash, urban, small stream, and minor river flooding.



Most Likely Arrival Time of Tropical-Storm-Force Winds



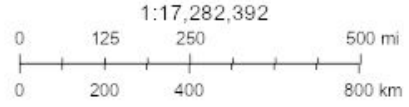
For more information go to hurricanes.gov





- Mission Summaries
- < 100,000 cubic yards
 - 100,000 - 249,000 cubic yards
 - 500,000 - 999,999 cubic yards
- Mission Model Swaths
- TS
 - Cat 1

-- 120-hr Forecast Track Line






Esri, HERE, Garmin, NGA, USGS, NOAA/NOS/IOCS nowCOAST, NOAA/NWS/NHC, NOAA/NWS/C/PHC

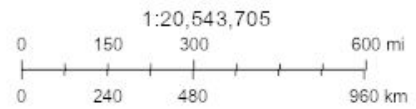
Created by SimSuite

Debris



Debris

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




Esri, HERE, Garmin, NGA, USGS

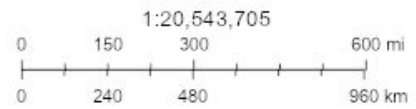
Created by SimSuite

Temporary Roofing



Temporary Roofing

 < 2,000 units



Esri, HERE, Garmin, NGA, USGS

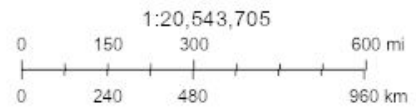
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Population



Population

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



Esri, HERE, Garmin, NGA, USGS

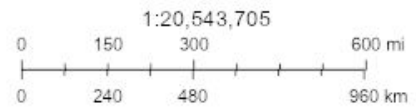
Created by SimSuite

Households



Households

-  < 7,500 Households
-  15,000 - 24,999 Households
-  25,000 - 49,999 Households



Esri, HERE, Garmin, NGA, USGS

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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	126
Debris (cu. yd.)	1,331,472
Temporary Roofing (units)	2,223
Population	6,751,261
Households	2,442,024

Population Distribution	
Tropical Storm	5,730,862
Category 1	879,299

ALABAMA	Yards of Debris (0)	Roof Units (0)	Population (2,536,858)	Households (918,483)
Autauga	0	0	51,766	16,003
Baldwin	0	0	186,407	55,336
Barbour	0	0	28,759	10,409
Bibb	0	0	21,803	7,422
Bullock	0	0	10,926	3,986
Butler	0	0	20,158	8,397
Chambers	0	0	34,772	14,522
Chilton	0	0	42,721	15,287
Choctaw	0	0	14,318	6,363
Clarke	0	0	26,560	10,578
Clay	0	0	13,878	5,765
Coffee	0	0	48,378	17,421
Conecuh	0	0	13,272	5,795
Coosa	0	0	11,344	4,682
Covington	0	0	36,768	15,640
Crenshaw	0	0	13,812	5,577
Dale	0	0	48,162	18,878
Dallas	0	0	42,841	17,841
Elmore	0	0	80,859	22,737
Escambia	0	0	37,519	14,293
Geneva	0	0	26,158	10,477
Greene	0	0	3,430	1,453
Hale	0	0	18,568	6,406
Henry	0	0	16,876	6,525
Houston	0	0	9,781	3,474
Jefferson	0	0	300,738	119,484

Lee	0	0	137,346	45,702
Lowndes	0	0	12,852	4,909
Macon	0	0	22,463	8,950
Marengo	0	0	21,292	8,767
Mobile	0	0	410,234	150,179
Monroe	0	0	23,425	9,383
Montgomery	0	0	227,425	86,068
Perry	0	0	10,680	4,333
Pike	0	0	30,173	11,933
Randolph	0	0	22,785	8,642
Russell	0	0	51,860	19,741
Shelby	0	0	196,041	54,633
Sumter	0	0	13,252	5,708
Talladega	0	0	80,412	30,674
Tallapoosa	0	0	40,715	16,656
Tuscaloosa	0	0	45,016	15,973
Washington	0	0	17,370	6,705
Wilcox	0	0	12,943	4,776

FLORIDA	Yards of Debris (0)	Roof Units (0)	Population (670,854)	Households (225,523)
Escambia	0	0	313,986	111,038
Holmes	0	0	654	234
Okaloosa	0	0	191,856	66,269
Santa Rosa	0	0	149,686	43,793
Walton	0	0	14,672	4,189

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (981,825)	Households (339,123)
Bibb	0	0	155,804	59,667
Bleckley	0	0	12,856	4,372
Calhoun	0	0	220	69
Chattahoochee	0	0	17,208	2,932
Clay	0	0	3,243	1,347
Crawford	0	0	13,279	4,461
Crisp	0	0	1,337	501
Dodge	0	0	3,816	1,357
Dooly	0	0	11,499	3,909
Early	0	0	215	87
Emanuel	0	0	3,374	1,185
Harris	0	0	30,934	8,822
Heard	0	0	11,652	4,043
Houston	0	0	139,553	40,911
Johnson	0	0	9,495	3,130
Jones	0	0	28,087	8,659
Laurens	0	0	47,971	17,083
Lee	0	0	4,155	1,001
Macon	0	0	13,441	4,834
Marion	0	0	7,056	2,668
Meriwether	0	0	23,252	8,248
Monroe	0	0	26,255	7,719
Muscogee	0	0	187,406	69,819
Peach	0	0	26,953	8,436
Pulaski	0	0	9,849	3,407
Quitman	0	0	2,682	1,047
Randolph	0	0	7,177	2,909
Schley	0	0	4,369	1,435
Stewart	0	0	4,721	2,007
Sumter	0	0	32,475	12,025
Talbot	0	0	6,511	2,538
Taylor	0	0	8,776	3,281
Terrell	0	0	10,526	4,002
Troup	0	0	65,411	21,920
Twiggs	0	0	10,181	3,832
Upson	0	0	27,806	10,722
Webster	0	0	2,214	911
Wilcox	0	0	2	1
Wilkinson	0	0	10,064	3,827

LOUISIANA	Yards of Debris (1,021,494)	Roof Units (1,706)	Population (1,754,916)	Households (672,295)
Ascension	0	0	107,959	26,691
Assumption	0	0	23,119	8,239
Jefferson	612,121	1,022	435,334	176,234
Lafourche	44,846	75	70,280	24,019
Livingston	0	0	125,599	32,630
Orleans	246,007	411	351,217	188,248
Plaquemines	15,409	26	20,738	7,452
St. Bernard	87,261	146	37,764	25,123
St. Charles	926	2	42,597	13,263
St. Helena	0	0	6	2
St. James	0	0	21,505	6,992
St. John the Baptist	0	0	47,737	14,283
St. Martin	0	0	52,518	17,164
St. Mary	0	0	14,734	5,586
St. Tammany	13,127	22	128,276	37,347
Tangipahoa	0	0	119,775	36,558
Terrebonne	1,798	3	110,329	35,997
Washington	0	0	45,429	16,467

MISSISSIPPI	Yards of Debris (309,978)	Roof Units (518)	Population (806,808)	Households (286,600)
Clarke	0	0	17,627	6,978
Covington	0	0	20,622	7,126
Forrest	0	0	81,070	27,183
George	0	0	22,068	6,742
Greene	0	0	13,959	4,148
Hancock	58,689	98	40,492	16,897
Harrison	248,476	415	183,018	71,538
Jackson	0	0	135,395	47,676
Jasper	0	0	5,640	2,066
Jefferson Davis	0	0	3,823	1,505
Jones	0	0	67,770	24,275
Lamar	0	0	49,820	14,396
Lauderdale	0	0	15,751	6,047
Marion	0	0	26,089	9,336
Pearl River	0	0	58,831	18,078
Perry	0	0	12,241	4,420
Pike	0	0	37	14
Stone	2,813	5	16,211	4,747
Walthall	0	0	15,618	5,571
Wayne	0	0	20,726	7,857

COVID-19

#	County	Cases
1	Mecklenburg	33,279
2	Fulton	30,926
3	Gwinnett	30,383
4	Jefferson	23,443
5	Cobb	21,814
6	DeKalb	21,049
7	Wake	20,765
8	Jefferson	18,645
9	Greenville	17,349
10	Richland	17,107
11	Mobile	16,934
12	Orleans	13,434
13	Escambia	13,328
14	Horry	12,318
15	Guilford	11,200
16	Hall	10,605
17	Tuscaloosa	10,414
18	Montgomery	10,298
19	Durham	8,890
20	Spartanburg	8,868
21	Lexington	8,844
22	Forsyth	8,703
23	Clayton	8,168
24	Richmond	7,926
25	Sussex	7,854
26	Virginia Beach	7,833
27	St. Tammany	7,689
28	Shelby	7,436
29	Gaston	7,243
30	Cherokee	7,057
31	Chesterfield	7,029
32	Cumberland	6,931
33	Baldwin	6,694
34	York	6,612
35	Bibb	6,594
36	Lee	6,550
37	Muscogee	6,348
38	Henrico	6,249
39	Okaloosa	6,189

40	Henry	6,163
41	Pitt	6,102
42	Robeson	5,930
43	Santa Rosa	5,876
44	Union	5,847
45	Clarke	5,708
46	Anderson	5,622
47	Florence	5,552
48	Johnston	5,513
49	Whitfield	5,383
50	Norfolk	5,331
51	Richmond City	5,285
52	Harrison	5,272
53	Alamance	5,095
54	Atlantic	5,045
55	Tangipahoa	4,983
56	Aiken	4,947
57	Chesapeake	4,880
58	Cabarrus	4,815
59	Forsyth	4,700
60	Jackson	4,622
61	Calhoun	4,621
62	Wayne	4,494
63	Pickens	4,352
64	Columbia	4,351
65	Etowah	4,312
66	Catawba	4,302
67	Livingston	4,188
68	Houston	4,180
69	Rowan	4,079
70	Douglas	4,078
71	Ascension	4,075
72	Buncombe	4,032
73	Floyd	3,912
74	Lafourche	3,886
75	Terrebonne	3,865
76	Iredell	3,750
77	Randolph	3,707
78	Davidson	3,660
79	Houston	3,588
80	Bartow	3,580
81	Sumter	3,523
82	Carroll	3,353
83	Orangeburg	3,333

84	Nash	3,308
85	Elmore	3,227
86	Onslow	3,225
87	Newport News	3,166
88	Charles	3,136
89	Paulding	3,129
90	Cleveland	3,088
91	Forrest	3,069
92	Orange	3,059
93	Troup	3,044
94	St. Clair	2,999
95	Coweta	2,957
96	Jones	2,957
97	Wilson	2,937
98	Harnett	2,883
99	Newton	2,850
100	Portsmouth	2,819
101	Duplin	2,755
102	Sampson	2,702
103	Talladega	2,674
104	Burke	2,633
105	Barrow	2,579
106	Lancaster	2,537
107	Greenwood	2,525
108	Lauderdale	2,485
109	Henderson	2,482
110	Wicomico	2,480
111	Darlington	2,468
112	Kershaw	2,442
113	Oconee	2,439
114	Caldwell	2,431
115	Stanly	2,414
116	Walton	2,368
117	Jackson	2,361
118	Walton	2,327
119	Gordon	2,326
120	Lincoln	2,324
121	Baldwin	2,306
122	Craven	2,288
123	Suffolk	2,284
124	Lamar	2,271
125	Moore	2,242
126	St. Martin	2,215

127	Brunswick	2,160
128	Fayette	2,123
129	Rockdale	2,116
130	Hampton	2,102
131	Autauga	2,074
132	Lee	2,066
133	St. Mary	2,018
134	Granville	1,979
135	Laurens	1,975
136	Edgecombe	1,961
137	Russell	1,953
138	St. Charles	1,945
139	Lynchburg	1,936
140	Rockingham	1,932
141	Chatham	1,922
142	Laurens	1,895
143	Chilton	1,893
144	Dallas	1,872
145	Habersham	1,870
146	Surry	1,795
147	Coffee	1,795
148	Dale	1,772
149	Covington	1,755
150	Washington	1,748
151	Chattahoochee	1,743
152	Rutherford	1,732
153	Escambia	1,730
154	Polk	1,701
155	Wilkes	1,689
156	Columbus	1,671
157	St. John the Baptist	1,643
158	Scotland	1,614
159	Newberry	1,612
160	Hanover	1,612
161	Spalding	1,576
162	St. Bernard	1,542
163	Hoke	1,529
164	Cherokee	1,489
165	Chesterfield	1,476
166	St. Mary's	1,459
167	Williamsburg	1,440
168	Franklin	1,430
169	Lenoir	1,418
170	Richmond	1,406

171	Pike	1,392
172	Halifax	1,383
173	Watauga	1,378
174	Pender	1,356
175	Clarke	1,353
176	Chambers	1,352
177	Beaufort	1,349
178	Pike	1,344
179	Tallapoosa	1,330
180	Henry	1,307
181	McDowell	1,304
182	Dillon	1,294
183	Pittsylvania	1,275
184	Stephens	1,265
185	Chester	1,221
186	Accomack	1,210
187	Worcester	1,204
188	Emanuel	1,202
189	Vance	1,195
190	Bedford	1,186
191	Montgomery	1,178
192	Danville	1,173
193	Calvert	1,170
194	Clarendon	1,158
195	Pearl River	1,145
196	Marion	1,140
197	Marlboro	1,127
198	Carteret	1,113
199	Cape May	1,105
200	Bladen	1,077
201	Prince George	1,075
202	Lumpkin	1,038
203	Barbour	1,033
204	Gilmer	1,030
205	Murray	1,028
206	Marengo	1,025
207	Wayne	1,020
208	Jackson	1,015
209	Butler	1,013
210	George	999
211	White	997
212	Yadkin	996
213	Covington	979

214	Sumter	959
215	Marion	954
216	James City	949
217	Greene	941
218	Chattooga	933
219	Franklin	924
220	Southampton	919
221	Petersburg	918
222	Geneva	916
223	Edgefield	909
224	Dawson	909
225	Greenville	893
226	Plaquemines	892
227	Holmes	886
228	Union	883
229	Burke	879
230	Barnwell	869
231	Mecklenburg	869
232	Oconee	865
233	Fairfield	864
234	Isle of Wight	858
235	Pasquotank	858
236	Jefferson	853
237	Hertford	852
238	Hancock	850
239	Harris	850
240	Bibb	843
241	St. James	839
242	Upson	833
243	Alexander	830
244	Randolph	829
245	Fannin	822
246	Assumption	796
247	Putnam	788
248	Madison	783
249	Lee	782
250	Hale	777
251	Dorchester	775
252	Cherokee	769
253	Peach	769
254	Elbert	767
255	Pickens	763
256	Clarke	761
257	Washington	760

258	Abbeville	754
259	Monroe	754
260	Davie	753
261	Macon	749
262	Washington	749
263	Clay	749
264	Lee	747
265	Prince Edward	746
266	Cherokee	745
267	Butts	742
268	Union	740
269	Caroline	736
270	Buckingham	733
271	Bertie	724
272	Anson	723
273	Henry	719
274	Saluda	717
275	Lowndes	714
276	Haywood	706
277	Campbell	705
278	Bamberg	693
279	Jasper	691
280	McDuffie	676
281	Stokes	675
282	Person	653
283	Bullock	649
284	Monroe	648
285	Talbot	643
286	Crisp	642
287	Jones	642
288	Walthall	640
289	Sussex	640
290	York	637
291	Haralson	635
292	Martin	634
293	Caswell	616
294	Crenshaw	609
295	Avery	608
296	Dodge	605
297	Carroll	602
298	Meriwether	595
299	Perry	593
300	Hart	574
301	Cleburne	573

301	Counties	315
302	Amherst	573
303	Wilcox	570
304	Greene	569
305	Conecuh	561
306	Northampton	556
307	Banks	553
308	Early	551
309	Macon	537
310	Stewart	535
311	Morgan	525
312	Chowan	524
313	Calhoun	515
314	Bleckley	513
315	Dinwiddie	513
316	Halifax	510
317	Hopewell	506
318	Perry	498
319	Franklin City	490
320	Martinsville	479
321	Greene	478
322	Stone	477
323	Sumter	473
324	Jenkins	467
325	Screven	451
326	Johnson	440
327	St. Helena	434
328	Towns	431
329	Warren	426
330	Allendale	425
331	Rabun	425
332	Brunswick	421
333	Lamar	421
334	Ashe	417
335	Oglethorpe	416
336	Caroline	414
337	Hancock	414
338	Jefferson Davis	412
339	Somerset	410
340	Transylvania	409
341	Louisa	393
342	Choctaw	392
343	Polk	391
344	Pike	385

345	Richmond	379
346	Grayson	374
347	Dooly	370
348	Wilkinson	368
349	Dare	367
350	Greene	346
351	Gloucester	345
352	Terrell	340
353	Nottoway	340
354	Randolph	339
355	Westmoreland	337
356	Pulaski	335
357	Goochland	327
358	Northampton	319
359	Patrick	319
360	Pamlico	312
361	Powhatan	311
362	Yancey	310
363	Colonial Heights	303
364	Wilkes	295
365	Emporia	295
366	Alleghany	294
367	Appomattox	290
368	New Kent	285
369	McCormick	271
370	King George	270
371	Calhoun	266
372	Swain	265
373	Wilcox	256
374	Macon	248
375	Washington	246
376	Jasper	246
377	Graham	245
378	Perquimans	244
379	Lincoln	234
380	Taylor	229
381	Heard	227
382	Currituck	222
383	Twiggs	216
384	Northumberland	216
385	Williamsburg	215
386	Clay	213
387	Charlotte	212
388	Mitchell	211

389	Coosa	205
390	King William	200
391	Lancaster	199
392	Jones	198
393	Marion	196
394	Essex	195
395	Crawford	195
396	Franklin	194
397	Hyde	175
398	Talbot	174
399	Gates	167
400	Warren	164
401	Lunenburg	151
402	Amelia	146
403	Middlesex	145
404	Surry	141
405	Camden	135
406	Mathews	131
407	Tyrrell	130
408	Clay	124
409	Cumberland	117
410	Schley	109
411	Charles City	100
412	Poquoson	97
413	King and Queen	85
414	Glascock	49
415	Webster	44
416	Quitman	38
417	Taliaferro	27

Critical Infrastructure

Summary			
Total Critical Facilities		706	
Power Requirements (kW)		18,188.1	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (10)	0.5	35 - 75	27.5
Cellular Towers (61)	36.6	35 - 75	2,013.0
FM Antennas (19)	1.0	35 - 75	52.3
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (25)	0.0	200 - 300	0.0
Public Schools (97)	29.1	200 - 300	7,275.0
Colleges and Universities (6)	0.1	200 - 300	30.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (66)	6.6	15 - 35	165.0
Fire Stations (81)	8.1	15 - 35	202.5
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (17)	2.5	35 - 100	172.1
Hospitals (9)	2.7	800 - 2000	3,780.0
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 (5)	0.0	15 - 35	0.0
National Security Government Military Facilities (73)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (4)	0.8	400 - 600	400.0
Local Police (9)	0.9	15 - 35	22.5
State Police (2)	0.1	15 - 35	2.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (3)	0.6	15 - 40	16.5
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 (0)	0.0	100 - 200	0.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (144)	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 (6)	0.0	100 - 300	0.0
Railroad Stations (2)	0.0	100 - 300	0.0
Public-Use Airports (38)	4.6	40 - 100	319.2

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (6)	2.4	800 - 2000	3,360.0

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