



US Army Corps
of Engineers®
BUILDING STRONG®

Hurricane Ian Advisory #32

For Planning Purposes Only!

WASHINGTON, DC
11:13:39
30 Sep 2022

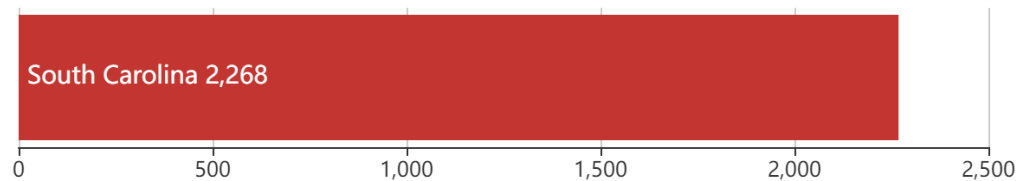
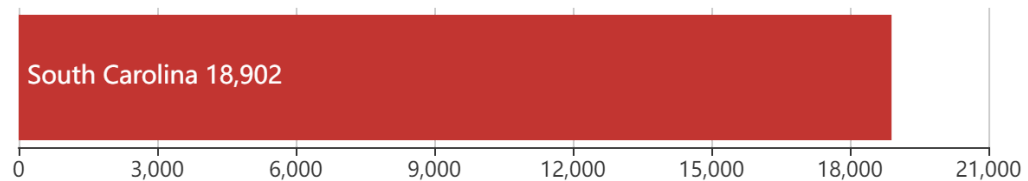
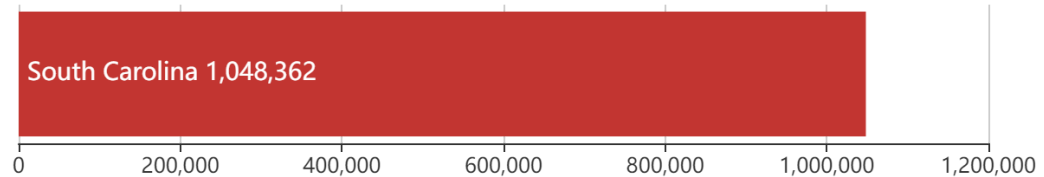
CHICAGO
10:13:39
30 Sep 2022

LOS ANGELES
08:13:39
30 Sep 2022

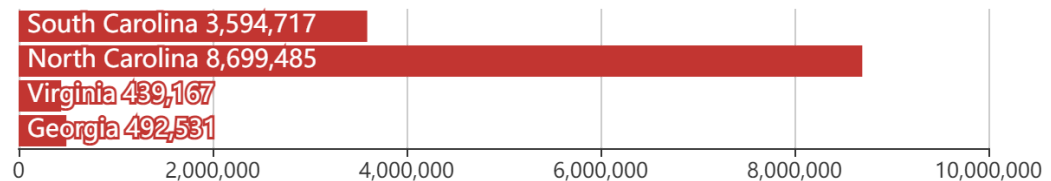
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Updated as of 30 Sep 2022 (10:13 AM Central Daylight Time)

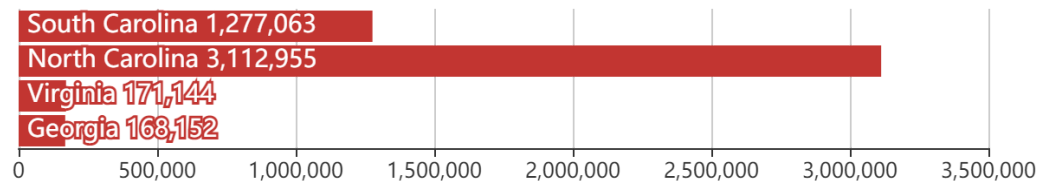
Debris



Population



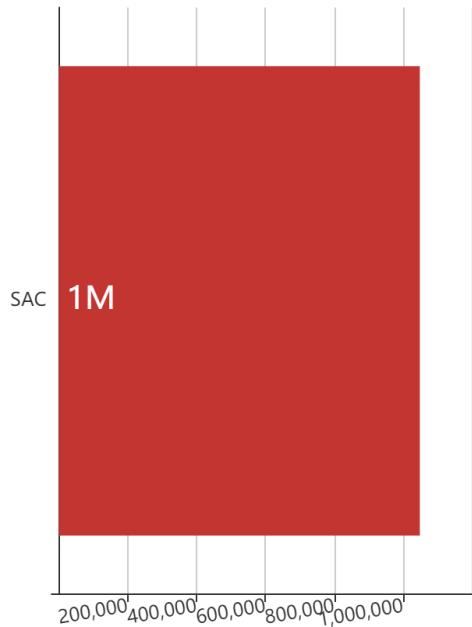
Households



Mission Model Summary

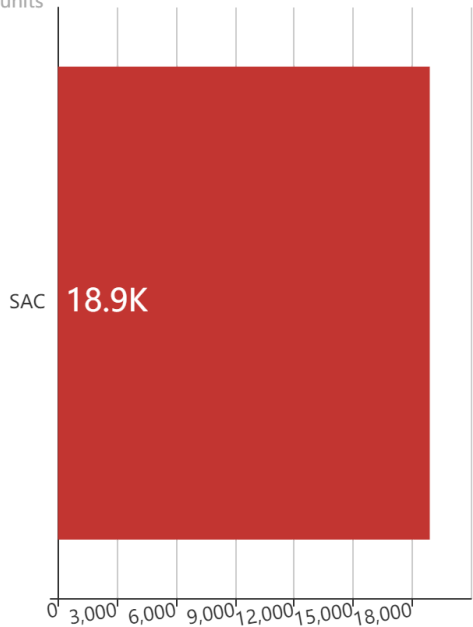
Debris By USACE District

cu. yd.

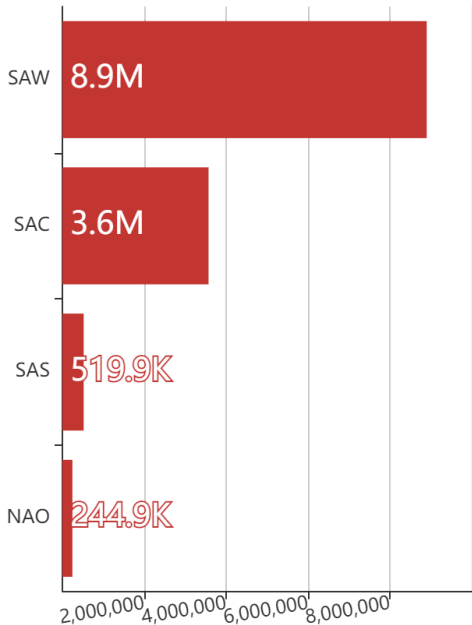


Est. Temp. Roofing By USACE District

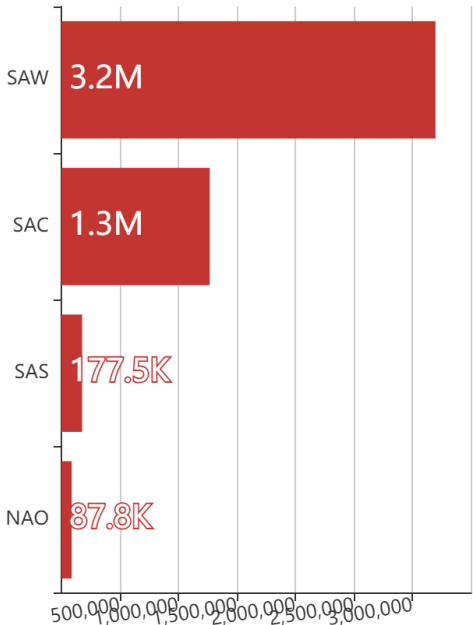
units



Population By USACE District



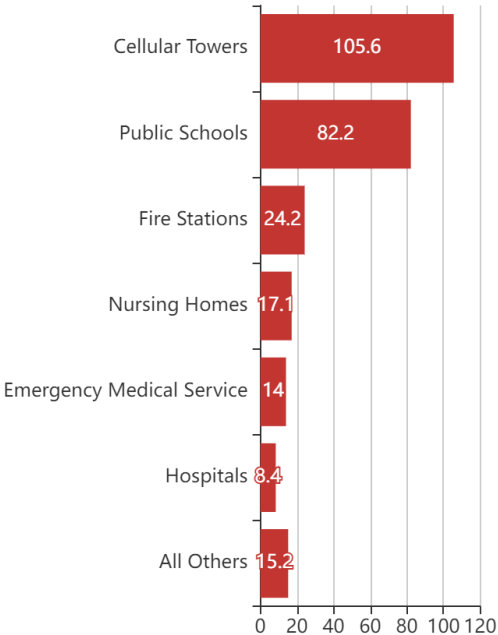
Households By USACE District



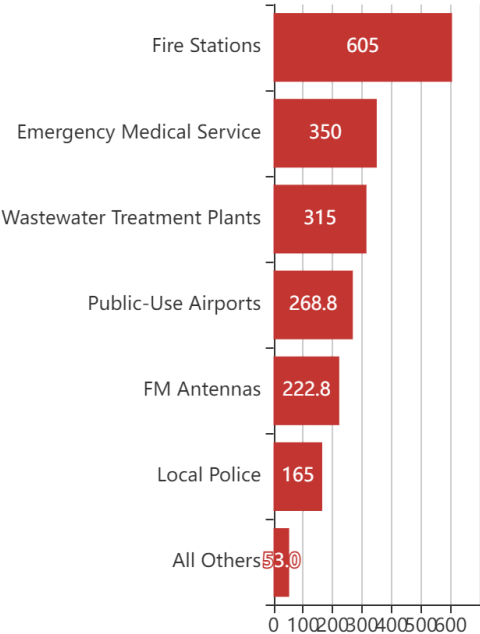
Critical Infrastructure Summary



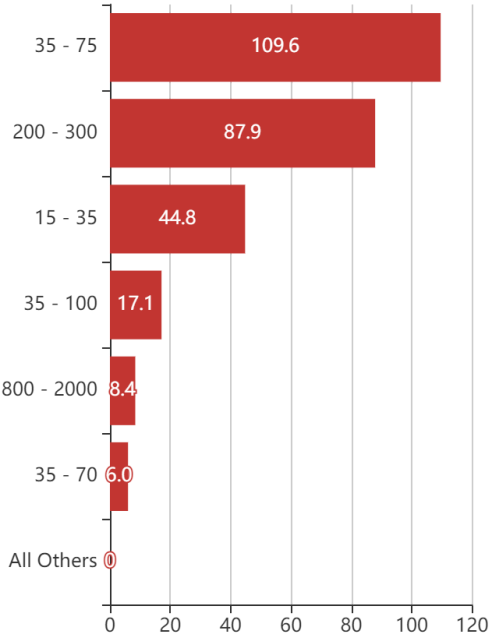
Generators
By Generator Count



Generators
By Power Requirement

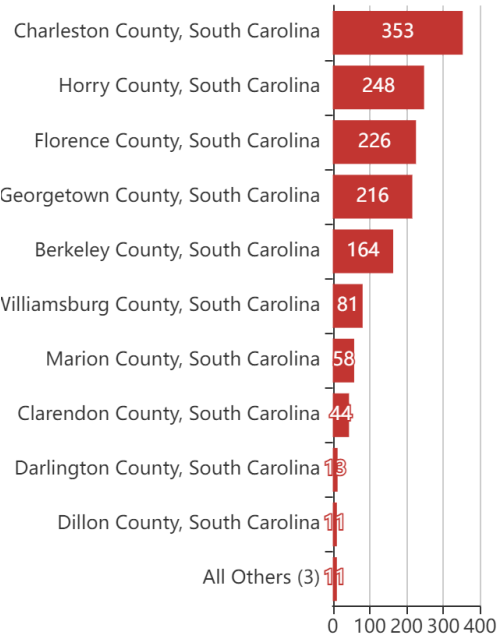


Generators
By Range



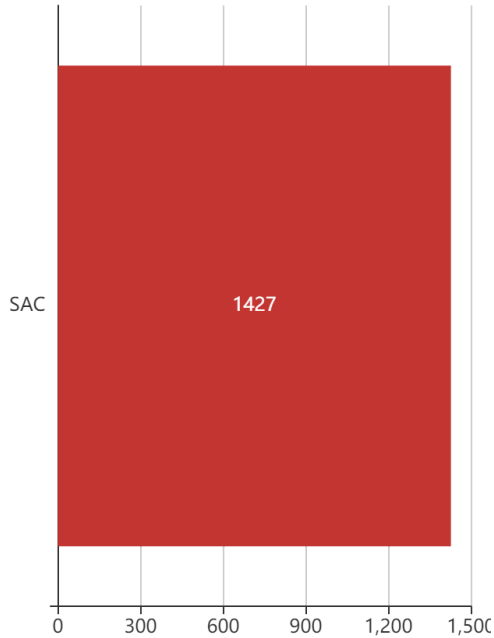
Structures

By County



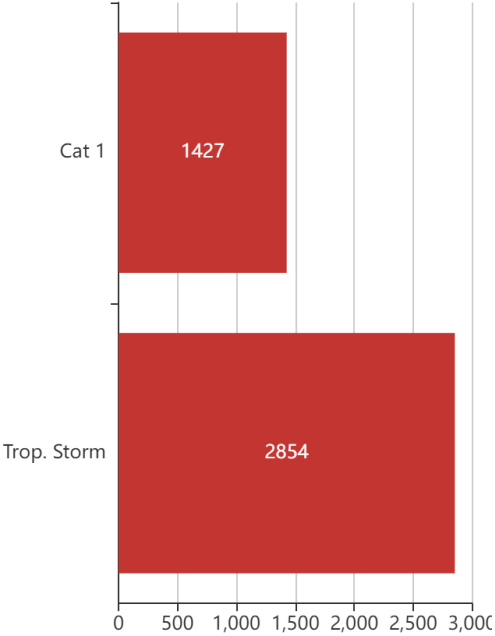
Structures

By USACE District

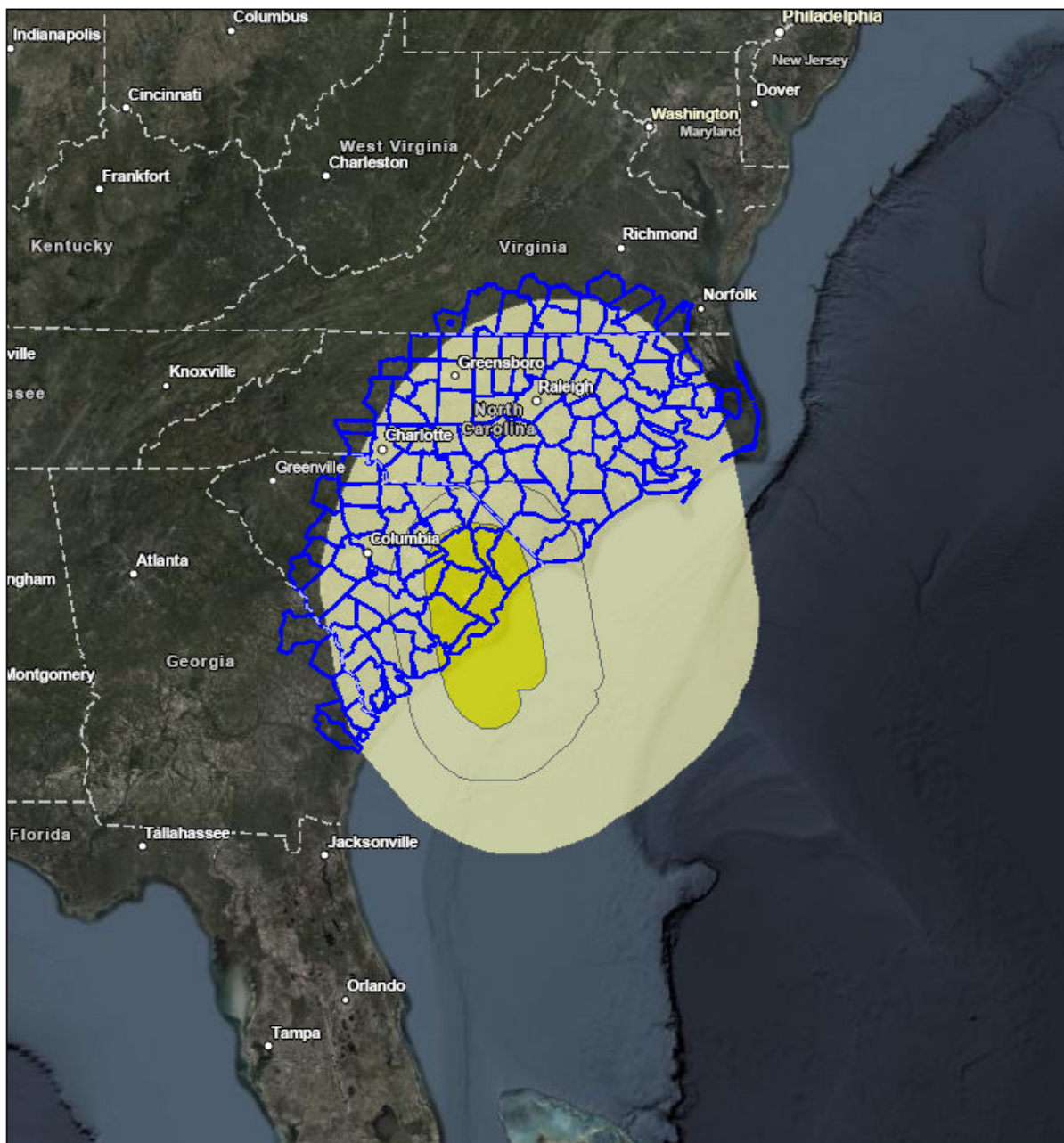


Structures

By Intensity



Letter ANSI A Portrait



Counties

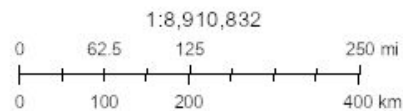
Mission Model Swaths



TS



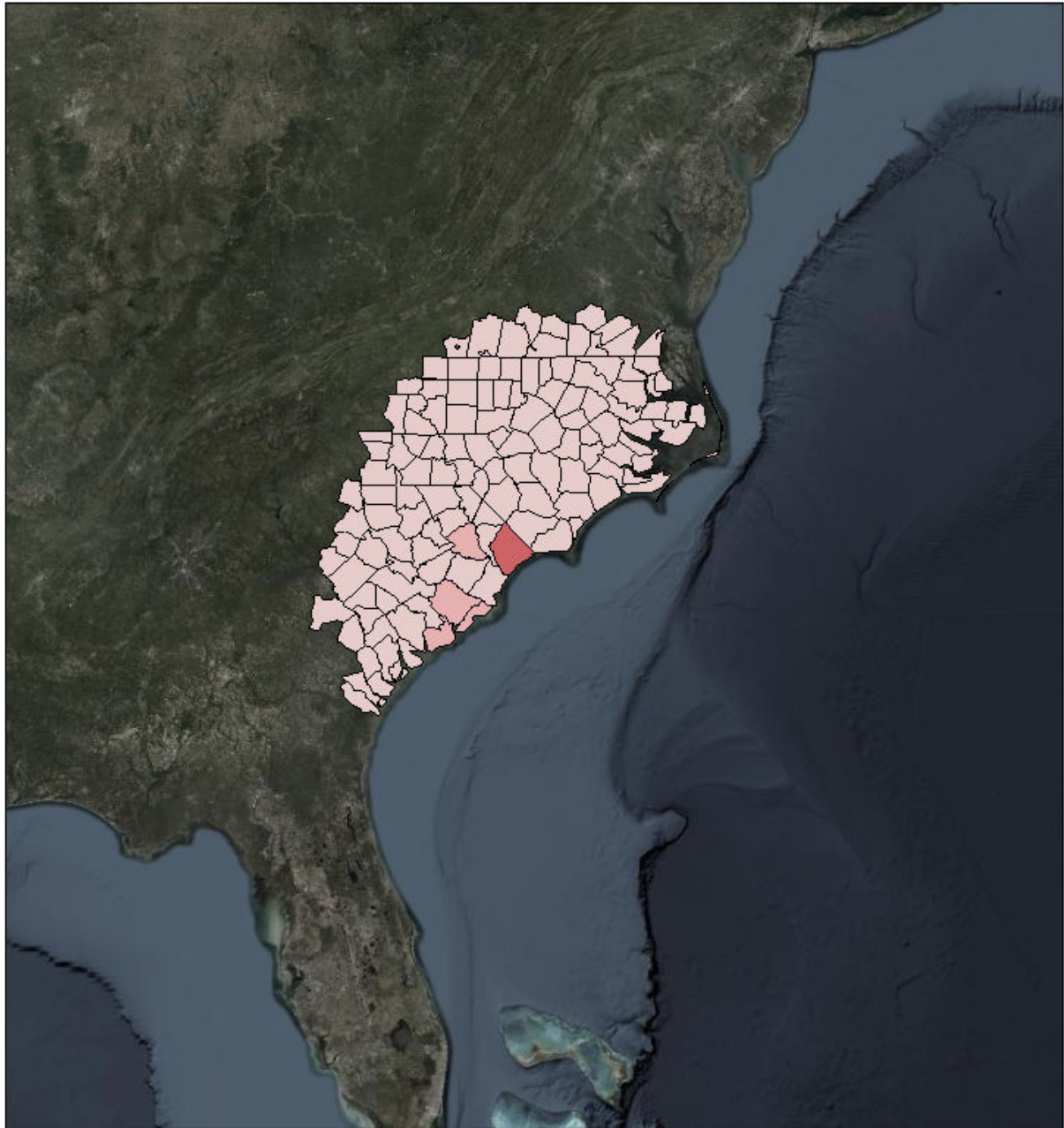
Cat 1



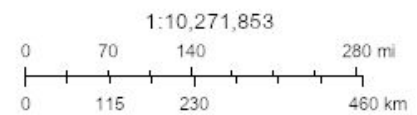
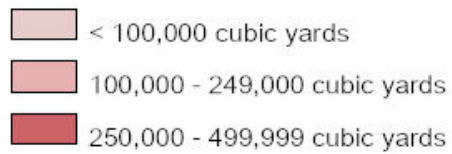
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Debris



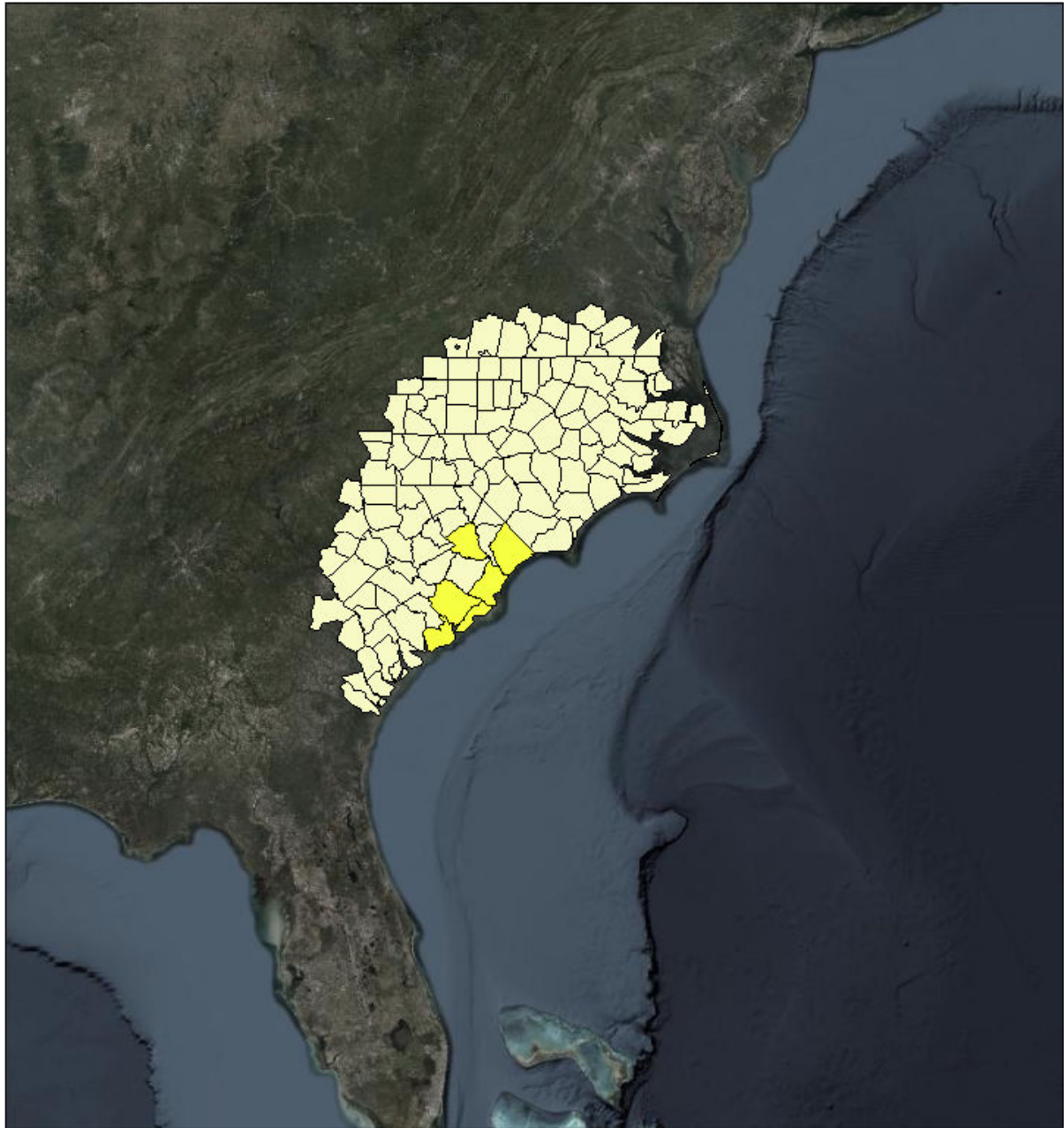
Debris



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Est. Temp. Roofing



Est. Temp. Roofing

< 1000 units

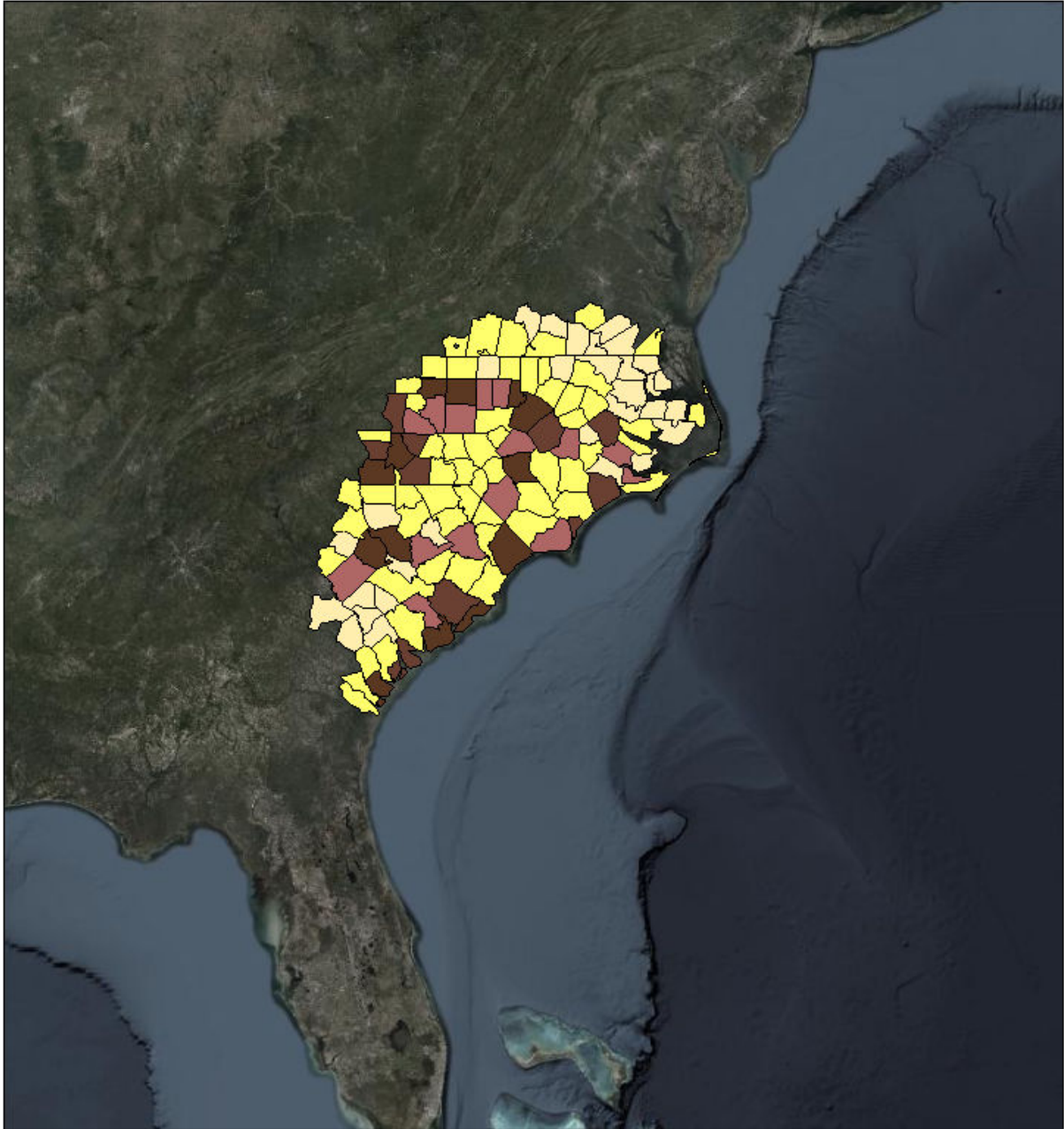
1000 - 4999 units

1:10,271,853
0 70 140 280 mi
0 115 230 460 km

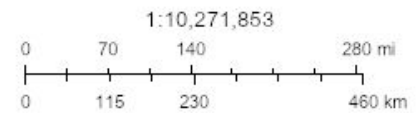
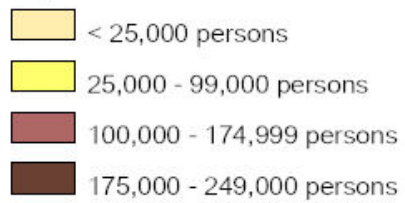
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Population



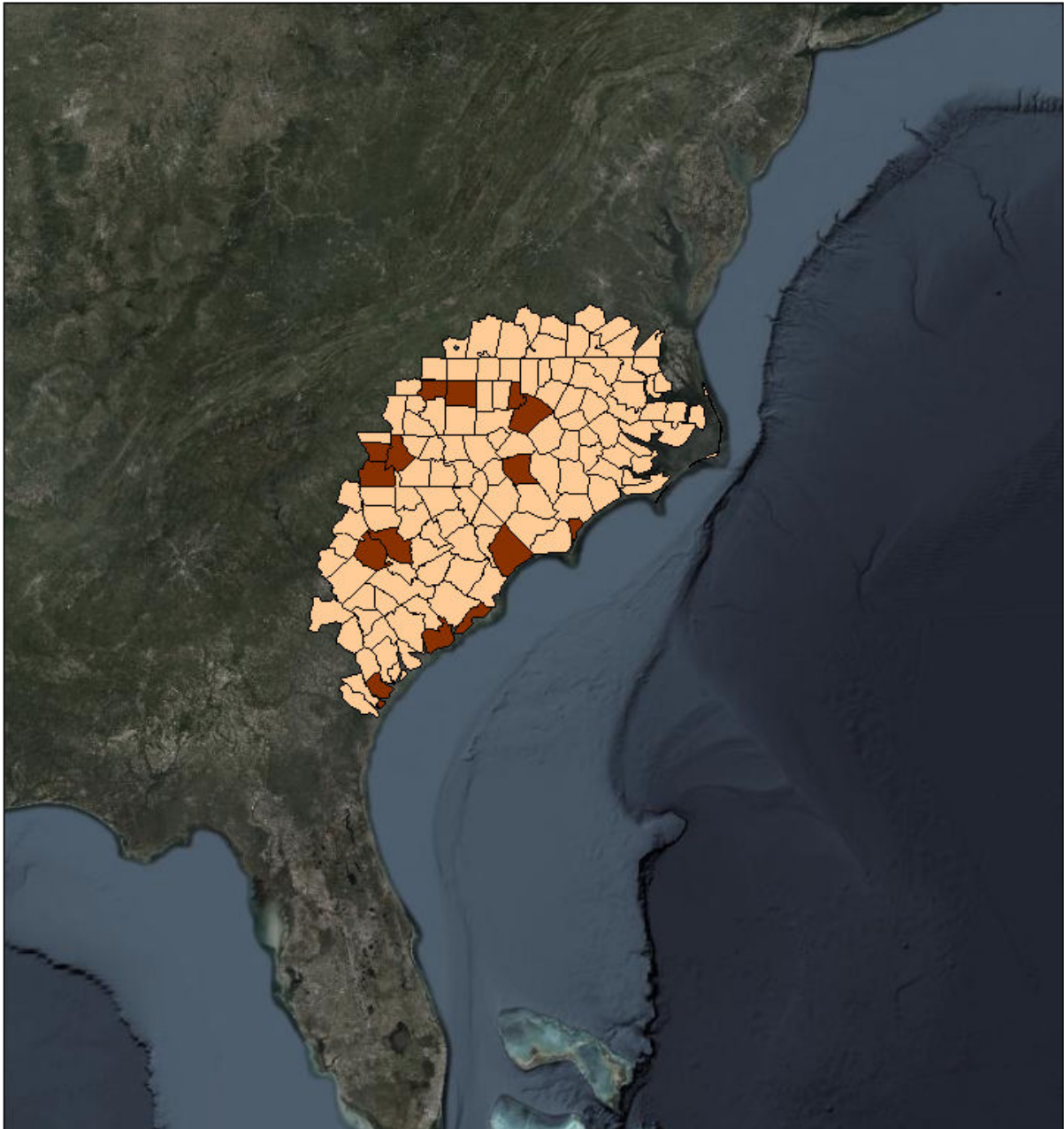
Population



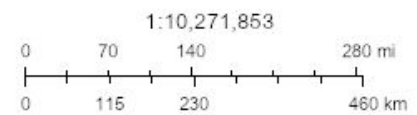
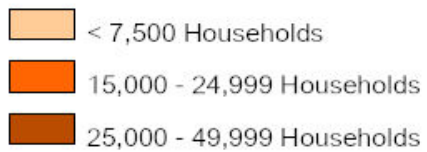
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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Households



Households



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, 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	14
Debris (cu. yd.)	1,048,362
Est. Temp. Roofing (units)	18,902
Act. Temp. Roofing (units)	2,268
Population	13,225,900
Households	4,729,314

Population Distribution	
Tropical Storm	14,395,634
Category 1	1,001,381

GEORGIA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (492,531)	Households (168,152)
Bryan	0	0	0	37,469	10,738
Burke	0	0	0	22,837	8,533
Chatham	0	0	0	292,686	103,038
Effingham	0	0	0	60,602	18,092
Liberty	0	0	0	64,510	22,155
Screven	0	0	0	14,427	5,596

NORTH CAROLINA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (8,699,485)	Households (3,112,955)
Alamance	0	0	0	161,563	59,960
Anson	0	0	0	26,294	9,755
Beaufort	0	0	0	49,465	19,941
Bertie	0	0	0	21,231	8,359
Bladen	0	0	0	35,031	14,430
Brunswick	0	0	0	129,300	46,297
Cabarrus	0	0	0	202,126	65,666
Carteret	0	0	0	71,014	28,870
Caswell	0	0	0	23,519	9,190
Chatham	0	0	0	74,307	25,845
Chowan	0	0	0	14,733	6,059
Columbus	0	0	0	57,071	22,489
Craven	0	0	0	105,595	40,299
Cumberland	0	0	0	329,248	122,431
Dare	0	0	0	36,888	14,335
Davidson	0	0	0	168,037	64,515
Davie	0	0	0	42,146	16,245

Duplin	0	0	0	60,130	22,495
Durham	0	0	0	313,764	109,348
Edgecombe	0	0	0	54,425	21,680
Forsyth	0	0	0	375,124	141,163
Franklin	0	0	0	65,061	23,023
Gaston	0	0	0	218,244	79,867
Gates	0	0	0	11,628	4,665
Granville	0	0	0	58,822	20,628
Greene	0	0	0	21,226	7,313
Guilford	0	0	0	522,957	196,628
Halifax	0	0	0	53,233	21,970
Harnett	0	0	0	133,215	41,594
Hertford	0	0	0	24,332	9,334
Hoke	0	0	0	53,518	16,532
Hyde	0	0	0	5,432	2,119
Iredell	0	0	0	176,156	61,215
Johnston	0	0	0	192,615	61,909
Jones	0	0	0	10,345	4,167
Lee	0	0	0	60,024	22,058
Lenoir	0	0	0	58,621	24,327
Lincoln	0	0	0	82,758	30,343
Martin	0	0	0	23,847	10,318
Mecklenburg	0	0	0	1,063,054	362,213
Montgomery	0	0	0	27,607	10,544
Moore	0	0	0	97,517	37,540
Nash	0	0	0	95,557	37,782
New Hanover	0	0	0	225,895	86,046
Northampton	0	0	0	20,765	9,193
Onslow	0	0	0	201,435	60,092
Orange	0	0	0	143,125	51,457
Pamlico	0	0	0	13,920	5,490
Pender	0	0	0	59,850	20,333
Perquimans	0	0	0	13,662	5,598
Person	0	0	0	40,035	15,826
Pitt	0	0	0	177,895	67,577
Randolph	0	0	0	145,537	55,373
Richmond	0	0	0	46,534	18,430
Robeson	0	0	0	136,600	47,997
Rockingham	0	0	0	92,585	38,693
Rowan	0	0	0	142,361	53,140
Sampson	0	0	0	65,148	24,005
Scotland	0	0	0	36,435	13,614
Stanly	0	0	0	61,870	23,589

Stokes	0	0	0	46,710	19,416
Tyrrell	0	0	0	4,199	1,595
Union	0	0	0	230,722	67,864
Vance	0	0	0	45,186	17,395
Wake	0	0	0	1,061,504	345,645
Warren	0	0	0	20,620	8,321
Washington	0	0	0	12,442	5,526
Wayne	0	0	0	126,520	47,831
Wilson	0	0	0	83,196	31,962
Yadkin	0	0	0	37,954	15,486

SOUTH CAROLINA	Yds of Debris (1,048,362)	Est. Roof Units (18,902)	Act. Roof Units (2,268)	Population (3,594,717)	Households (1,277,063)
Aiken	0	0	0	170,230	64,253
Allendale	0	0	0	9,774	3,706
Bamberg	0	0	0	15,050	6,048
Barnwell	0	0	0	21,937	8,937
Beaufort	0	0	0	187,450	64,945
Berkeley	164,763	2,971	356	207,154	65,419
Calhoun	0	0	0	14,883	6,080
Charleston	231,589	4,176	501	403,176	144,309
Chester	0	0	0	33,257	12,876
Chesterfield	0	0	0	46,695	18,173
Clarendon	21,188	382	46	34,844	13,132
Colleton	0	0	0	38,408	15,131
Darlington	15,385	277	33	67,941	26,531
Dillon	10,347	187	22	31,456	11,923
Dorchester	223	4	0	157,283	50,259
Edgefield	0	0	0	27,396	9,348
Fairfield	0	0	0	23,515	9,419
Florence	155,503	2,804	336	140,540	52,653
Georgetown	72,428	1,306	157	62,847	24,524
Hampton	0	0	0	21,006	7,598
Horry	276,739	4,990	599	327,500	112,225
Jasper	0	0	0	30,101	8,517
Kershaw	0	0	0	64,654	23,928
Lancaster	0	0	0	90,715	29,697
Lee	2,739	49	6	18,136	6,797
Lexington	0	0	0	291,357	102,733
Marion	38,565	695	83	32,432	13,058
Marlboro	578	10	1	28,023	10,383
Newberry	0	0	0	38,634	14,709
Orangeburg	0	0	0	91,282	35,788
Richland	0	0	0	416,367	145,194
Saluda	0	0	0	20,270	7,527
Sumter	19,900	359	43	109,033	40,398
Union	0	0	0	28,317	11,974
Williamsburg	38,414	693	83	33,331	13,007
York	0	0	0	259,723	85,864

VIRGINIA	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (439,167)	Households (171,144)
Brunswick	0	0	0	17,770	6,366
Charlotte	0	0	0	12,596	5,109
Danville	0	0	0	42,508	18,831
Dinwiddie	0	0	0	28,370	10,504
Emporia	0	0	0	5,747	2,316
Greensville	0	0	0	12,122	3,566
Halifax	0	0	0	35,480	15,085
Henry	0	0	0	53,195	23,151
Lunenburg	0	0	0	12,814	4,957
Mecklenburg	0	0	0	32,310	13,495
Pittsylvania	0	0	0	63,310	26,183
Southampton	0	0	0	18,521	6,719
Suffolk	0	0	0	92,337	30,868
Sussex	0	0	0	12,087	3,994

Critical Infrastructure

Summary			
Total Critical Facilities		1,427	
Power Requirements (kW)		42,672.8	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
Cellular Towers (176)	105.6	35 - 75	5,808.0
FM Antennas (81)	4.0	35 - 75	222.8
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (70)	0.0	200 - 300	0.0
Public Schools (274)	82.2	200 - 300	20,550.0
Colleges and Universities (23)	0.5	200 - 300	115.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (140)	14.0	15 - 35	350.0
Fire Stations (242)	24.2	15 - 35	605.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (114)	17.1	35 - 100	1,154.2
Hospitals (28)	8.4	800 - 2000	11,760.0
Urgent Care Facilities (26)	5.2	200 - 300	1,300.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Local Police (66)	6.6	15 - 35	165.0
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOCs	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (8)	1.6	15 - 40	44.0
State Facilities	# FED Gen Req	Range (kW)	Req kW
Governors Mansions (0)	0.0	100 - 200	0.0
Major State Government Buildings (1)	0.1	100 - 200	15.0
Transportation	# FED Gen Req	Range (kW)	Req kW
Amtrack Stations (3)	0.0	100 - 300	0.0
Bus Stations (2)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (18)	0.0	100 - 300	0.0
Railroad Stations (3)	0.0	100 - 300	0.0
Public-Use Airports (32)	3.8	40 - 100	268.8

Water and Wastewater	# FED Gen Req	Range (kW)	Req kW
Wastewater Treatment Plants (120)	6.0	35 - 70	315.0

COVID-19

#	County	Cases
1	Charleston	130,875
2	Horry	113,450
3	Dorchester	65,958
4	Berkeley	62,117
5	Florence	47,805
6	Sumter	32,841
7	Darlington	21,154
8	Georgetown	18,459
9	Dillon	10,911
10	Clarendon	10,169
11	Marion	9,987
12	Williamsburg	9,677
13	Marlboro	9,227
14	Lee	4,767

Report Generated by SimSuite

<https://simsuite.usace.army.mil/wab/v2.15/MissionModels/#advid=280&oid=84&name=Hurricane%20Ian&advisory=Advisory%20%2332&advlf=G>