



Hurricane Florence - Advisory #53

For Planning Purposes Only!

http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=40

Updated as of 12 Sep 2018 (1:05 PM Eastern Daylight Time)



Debris

5,954,197
cu. yd.

North Carolina 71% (4,220,926)

South Carolina 29% (1,733,271)



Temporary Roofing

20,996
units

North Carolina 73% (15,424)

South Carolina 27% (5,572)



Population

6,560,204
people

North Carolina 59% (3,869,899)

South Carolina 41% (2,690,305)



Households

2,110,139
households

North Carolina 58% (1,225,655)

South Carolina 42% (884,484)



Critical Infrastructure

North Carolina

South Carolina

(43) 15 - 35 kW

(13) 15 - 35 kW

(2) 15 - 40 kW

(24) 35 - 75 kW

(62) 35 - 75 kW

(4) 35 - 100 kW

(12) 35 - 100 kW

(1) 40 - 100 kW

(6) 40 - 100 kW

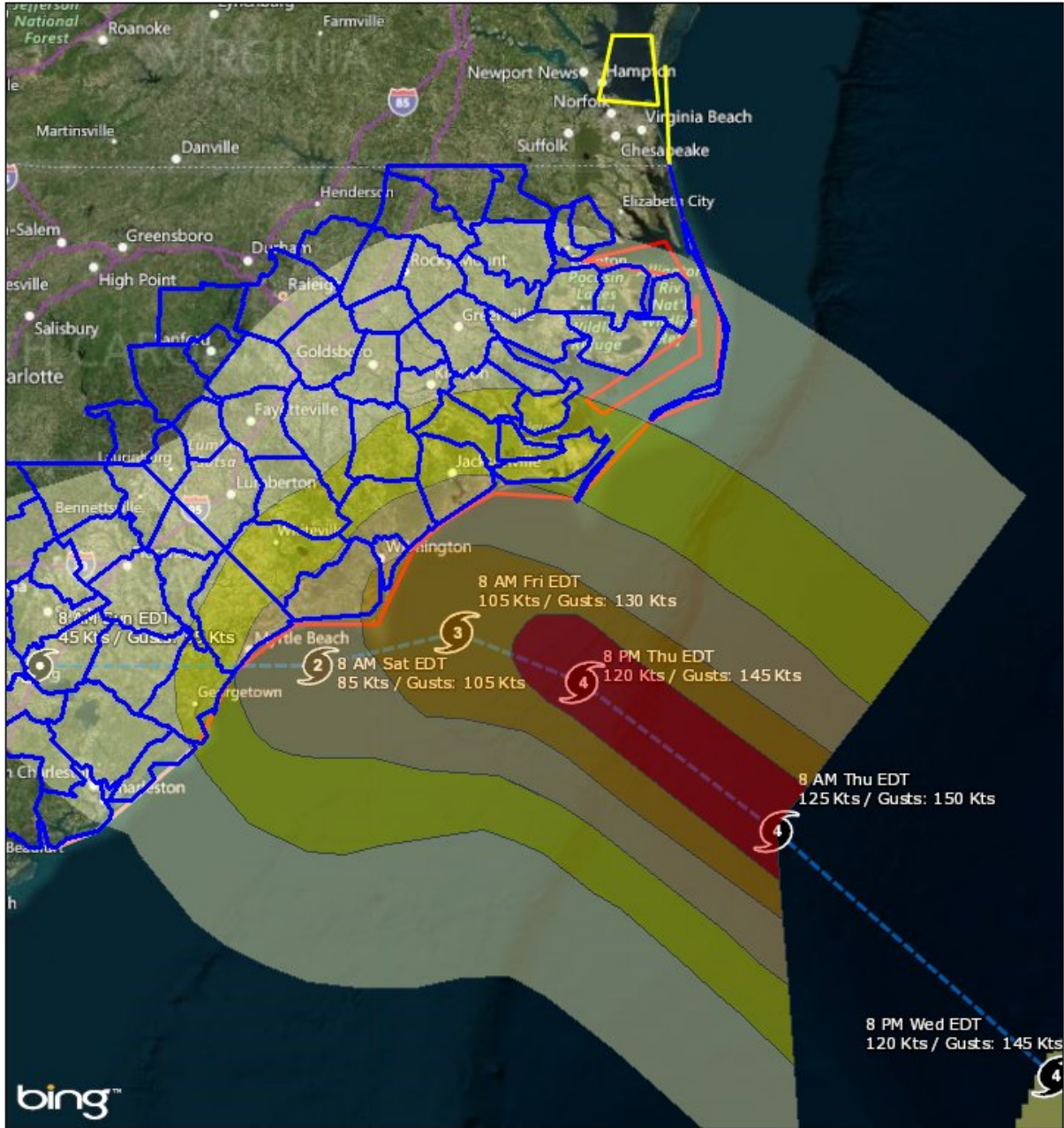
(21) 200 - 300 kW

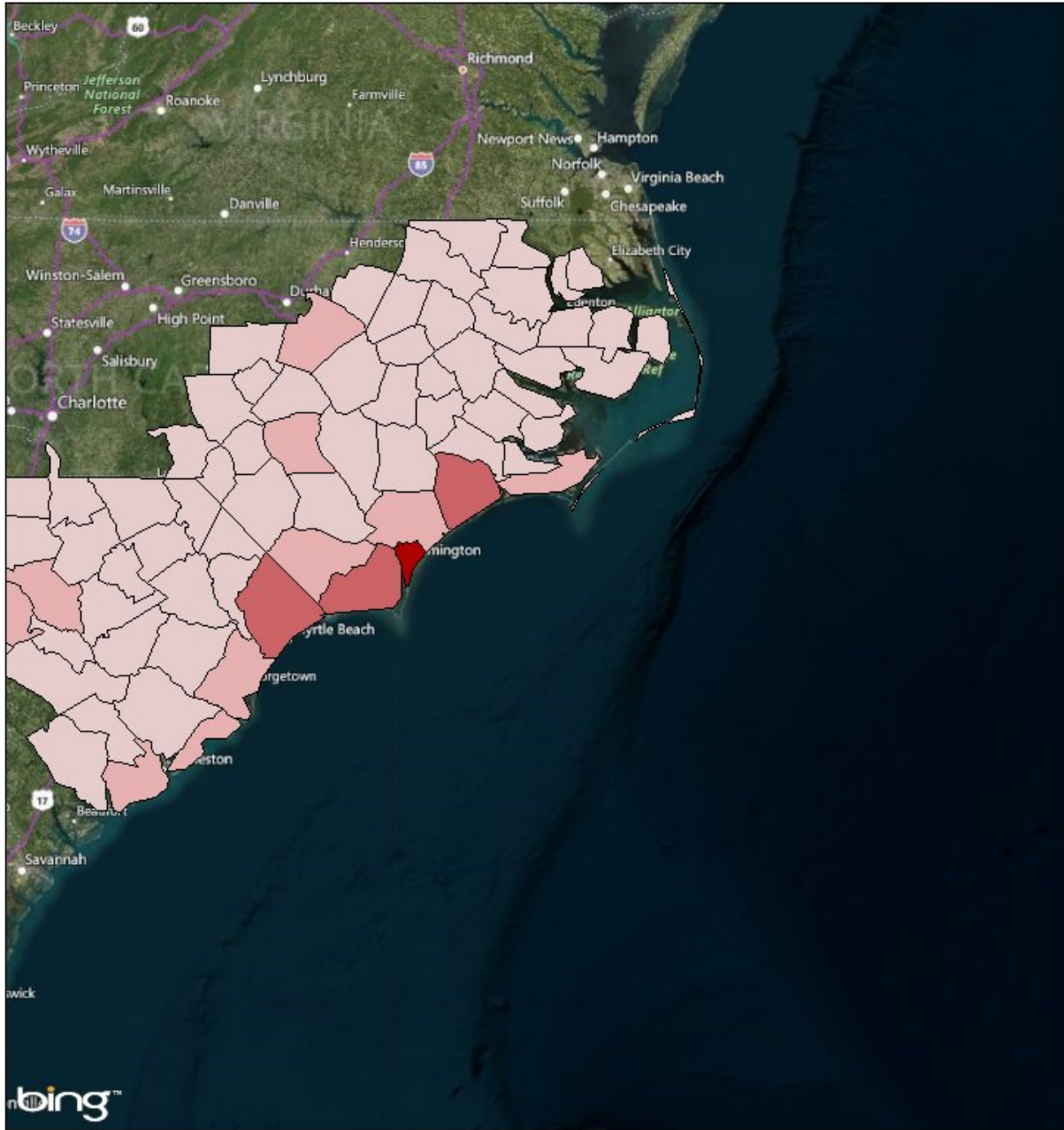
(70) 200 - 300 kW

(4) 800 - 2000 kW

(3) 400 - 600 kW

(10) 800 - 2000 kW

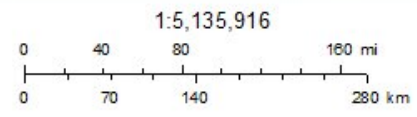




Mission Summaries

Debris

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards
- 250,000 - 499,999 cubic yards
- > 1,000,000 cubic yards



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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.

Total Counties	68
Debris (cu. yd.)	5,954,197
Temporary Roofing (units)	20,996
Population	6,560,204
Households	2,110,139

NORTH CAROLINA	Yards of Debris (4,220,926)	Roof Units (15,424)	Population (3,869,899)	Households (1,225,655)
Beaufort	26,315	0	46,951	18,319
Bertie	11,123	0	20,019	7,743
Bladen	31,661	361	32,577	12,897
Brunswick	485,595	1,797	113,235	30,438
Carteret	195,247	1,173	64,494	25,204
Chatham	28,357	0	64,256	19,741
Chowan	8,015	0	14,807	5,580
Columbus	120,247	992	54,899	21,308
Craven	84,895	968	99,813	34,582
Cumberland	154,215	0	324,167	107,358
Dare	18,229	0	34,007	12,690
Duplin	44,844	511	54,388	18,267
Edgecombe	29,292	0	52,057	20,392
Franklin	25,631	0	60,792	17,843
Greene	9,619	0	21,331	6,696
Halifax	31,777	0	55,202	22,122
Harnett	48,552	0	115,536	33,800
Hertford	12,861	0	23,672	8,953
Hoke	16,337	0	46,265	11,373
Hyde	3,139	0	5,428	2,185
Johnston	66,932	0	174,426	46,595
Jones	9,969	114	10,288	4,061
Lee	26,526	0	60,038	18,466
Lenoir	58,579	668	57,180	23,862
Martin	14,393	0	23,823	10,020
Moore	44,118	0	88,177	30,713
Nash	48,328	0	95,531	33,644
New Hanover	1,513,233	5,083	199,320	68,183
Northampton	12,484	0	21,041	8,691
Onslow	372,785	2,240	172,836	48,122
Pamlico	12,711	145	12,853	5,178
Pender	124,365	747	54,546	16,054
Perquimans	6,672	0	13,145	4,645
Pitt	75,470	0	162,304	52,539
Richmond	25,674	0	46,893	17,873
Robeson	62,740	0	132,092	43,677
Sampson	54,678	624	65,513	22,273
Scotland	19,247	0	37,059	13,399
Tyrrell	2,208	0	4,244	1,537
Wake	173,840	0	927,140	242,040
Washington	7,709	0	12,996	5,367
Wayne	61,210	0	115,330	42,612

Wilson	41,101	0	79,228	28,613
SOUTH CAROLINA	Yards of Debris (1,733,271)	Roof Units (5,572)	Population (2,690,305)	Households (884,484)
Aiken	79,849	0	157,068	55,587
Berkeley	71,711	0	175,573	49,922
Calhoun	8,500	0	15,660	5,917
Charleston	177,153	0	361,569	123,326
Chester	18,502	0	33,146	12,880
Chesterfield	23,783	0	43,753	16,557
Clarendon	16,967	0	34,508	11,812
Colleton	20,786	0	39,678	14,470
Darlington	37,051	0	67,389	25,793
Dillon	16,087	0	30,941	11,199
Dorchester	49,858	0	134,691	34,709
Fairfield	12,604	0	24,241	8,774
Florence	67,725	0	136,016	47,147
Georgetown	122,228	1,008	64,020	21,659
Horry	461,619	3,808	279,428	81,800
Kershaw	28,999	0	61,757	20,188
Lancaster	33,294	0	76,643	23,178
Lee	9,891	0	20,260	6,886
Lexington	119,571	0	257,183	83,240
Marion	32,653	372	34,336	13,301
Marlboro	15,051	0	28,995	10,478
Orangeburg	49,009	0	91,486	34,118
Richland	172,520	0	380,494	120,101
Sumter	54,195	0	104,976	37,728
Williamsburg	33,666	384	36,494	13,714

Critical Infrastructure

Total: **1872 Structures**

Power Requirements: **57,424.1 kW**

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (29)	1.5	35 - 75	79.8
Cellular Towers (137)	82.2	35 - 75	4,521.0
FM Antennas (97)	4.9	35 - 75	266.8
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (77)	0.0	200 - 300	0.0
Public Schools (279)	83.7	200 - 300	20,925.0
Colleges and Universities (16)	0.3	200 - 300	80.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (1)	0.1	15 - 35	2.5
Emergency Medical Service (239)	23.9	15 - 35	597.5
Fire Stations (298)	29.8	15 - 35	745.0
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (114)	17.1	35 - 100	1,154.2
Hospitals (21)	6.3	800 - 2000	8,820.0
Urgent Care Facilities (45)	9.0	200 - 300	2,250.0
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 (13)	0.0	15 - 35	0.0
National Security Government Military Facilities (176)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (21)	4.2	400 - 600	2,100.0
Local Police (60)	6.0	15 - 35	150.0
State Police (10)	0.5	15 - 35	12.5
Correctional Facilities (22)	4.4	400 - 600	2,200.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (14)	2.8	15 - 40	77.0
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 (0)	0.0	100 - 200	0.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (82)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (26)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (3)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (67)	8.0	40 - 100	562.8

Water_Waster 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