



Hurricane Florence - Advisory #52

For Planning Purposes Only!

http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=39

Updated as of 12 Sep 2018 (7:43 AM Eastern Daylight Time)



Debris

4,542,647
cu. yd.

North Carolina 73% (3,311,966)

South Carolina 27% (1,230,681)



Temporary Roofing

15,156
units

North Carolina 75% (11,372)

South Carolina 25% (3,784)



Population

6,346,318
people

North Carolina 61% (3,846,227)

South Carolina 39% (2,500,091)



Households

2,032,719
households

North Carolina 60% (1,216,702)

South Carolina 40% (816,017)



Critical Infrastructure

North Carolina

South Carolina



(22) 15 - 35 kW



(7) 15 - 35 kW



(31) 35 - 75 kW



(16) 35 - 75 kW



(6) 35 - 100 kW



(3) 35 - 100 kW



(2) 40 - 100 kW



(14) 200 - 300 kW



(35) 200 - 300 kW



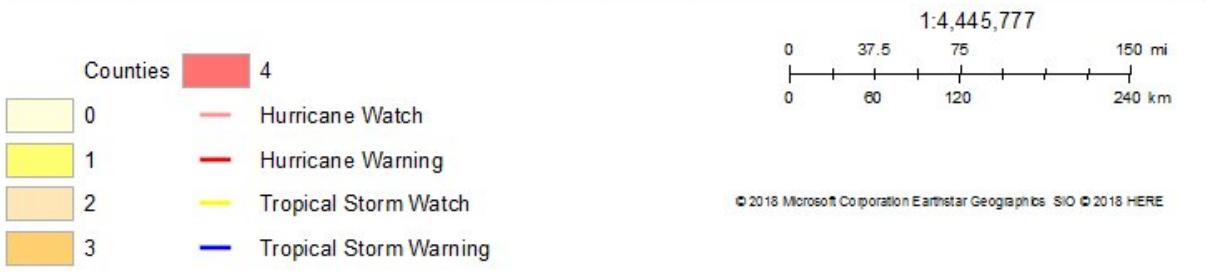
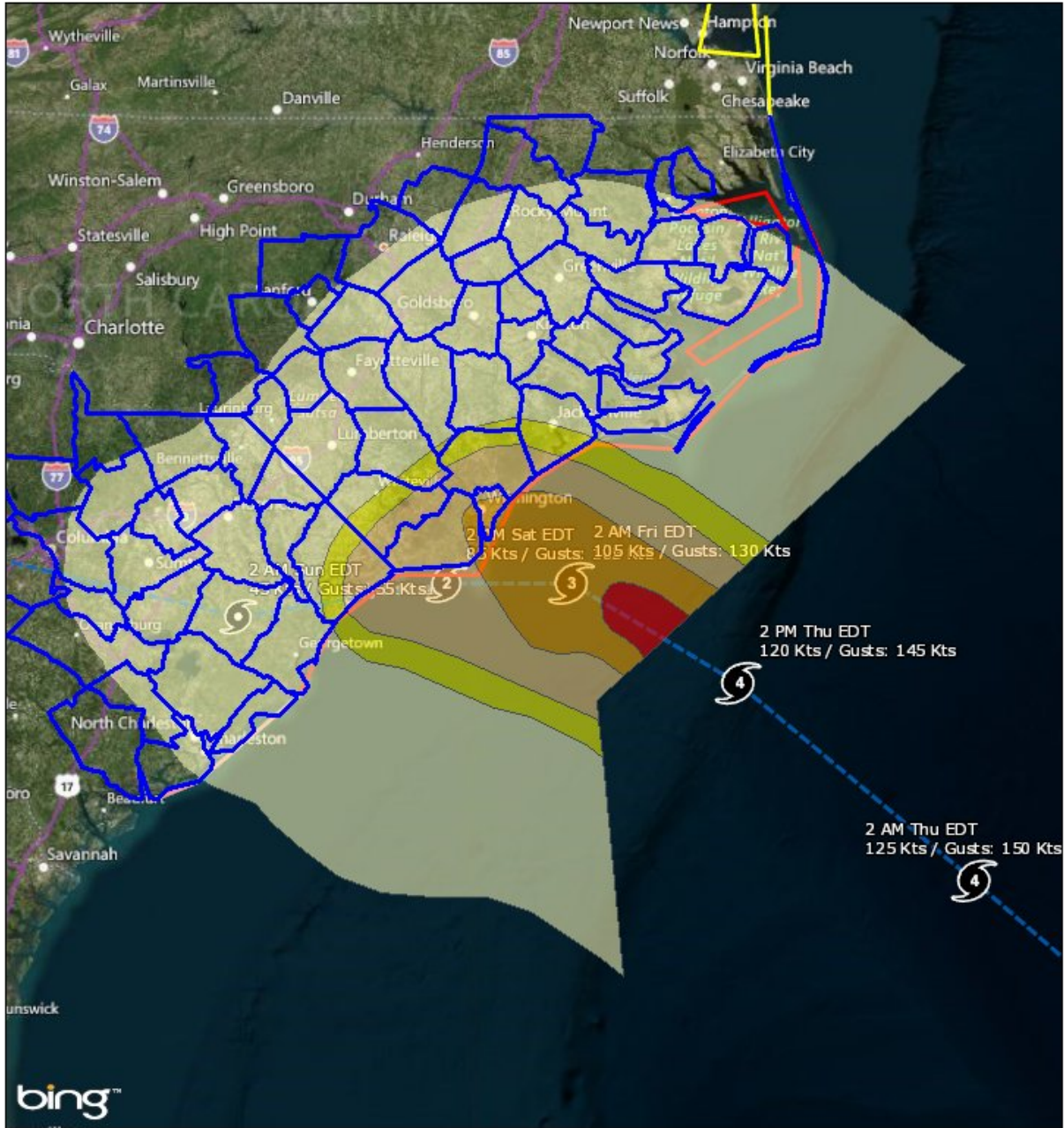
(2) 800 - 2000 kW

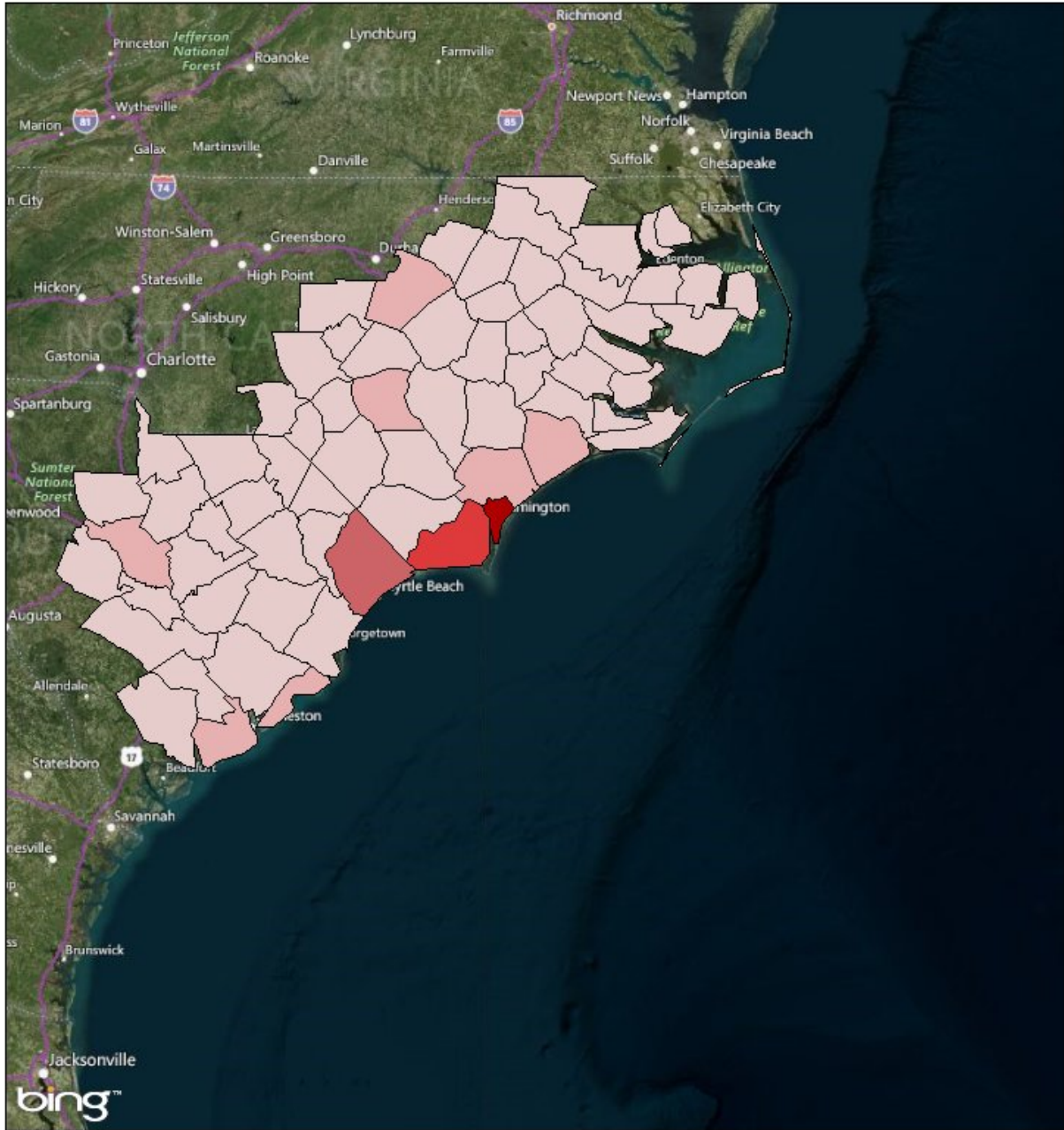


(1) 400 - 600 kW



(4) 800 - 2000 kW



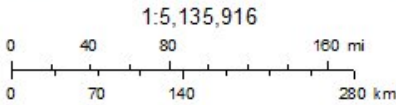


Mission Summaries

Debris

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 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	65
Debris (cu. yd.)	4,542,647
Temporary Roofing (units)	15,156
Population	6,346,318
Households	2,032,719

NORTH CAROLINA	Yards of Debris (3,311,966)	Roof Units (11,372)	Population (3,846,227)	Households (1,216,702)
Beaufort	21,052	0	46,951	18,319
Bertie	8,898	0	20,019	7,743
Bladen	58,225	515	32,577	12,897
Brunswick	540,425	1,945	113,235	30,438
Carteret	28,964	0	64,494	25,204
Chatham	22,686	0	64,256	19,741
Chowan	6,412	0	14,807	5,580
Columbus	96,197	850	54,899	21,308
Craven	39,741	0	99,813	34,582
Cumberland	123,372	0	324,167	107,358
Dare	14,583	0	34,007	12,690
Duplin	35,875	438	54,388	18,267
Edgecombe	23,434	0	52,057	20,392
Franklin	20,505	0	60,792	17,843
Greene	7,695	0	21,331	6,696
Halifax	25,422	0	55,202	22,122
Harnett	38,842	0	115,536	33,800
Hoke	13,069	0	46,265	11,373
Hyde	2,511	0	5,428	2,185
Johnston	53,545	0	174,426	46,595
Jones	4,667	0	10,288	4,061
Lee	21,221	0	60,038	18,466
Lenoir	27,421	0	57,180	23,862
Martin	11,515	0	23,823	10,020
Moore	35,294	0	88,177	30,713
Nash	38,663	0	95,531	33,644
New Hanover	1,210,586	4,357	199,320	68,183
Northampton	9,987	0	21,041	8,691
Onslow	217,252	1,920	172,836	48,122
Pamlico	5,950	0	12,853	5,178
Pender	158,283	812	54,546	16,054
Perquimans	5,338	0	13,145	4,645
Pitt	60,376	0	162,304	52,539
Richmond	20,539	0	46,893	17,873
Robeson	50,192	0	132,092	43,677
Sampson	43,742	535	65,513	22,273
Scotland	15,398	0	37,059	13,399
Tyrrell	1,766	0	4,244	1,537
Wake	104,304	0	927,140	242,040
Washington	6,168	0	12,996	5,367
Wayne	48,968	0	115,330	42,612
Wilson	32,881	0	79,228	28,613

SOUTH CAROLINA	Yards of Debris (1,230,681)	Roof Units (3,784)	Population (2,500,091)	Households (816,017)
Berkeley	57,369	0	175,573	49,922
Calhoun	6,800	0	15,660	5,917
Charleston	141,722	0	361,569	123,326
Chesterfield	19,027	0	43,753	16,557
Clarendon	13,574	0	34,508	11,812
Colleton	16,628	0	39,678	14,470
Darlington	29,640	0	67,389	25,793
Dillon	12,870	0	30,941	11,199
Dorchester	39,886	0	134,691	34,709
Fairfield	10,083	0	24,241	8,774
Florence	54,180	0	136,016	47,147
Georgetown	42,537	520	64,020	21,659
Horry	369,295	3,264	279,428	81,800
Kershaw	23,199	0	61,757	20,188
Lancaster	26,635	0	76,643	23,178
Lee	7,913	0	20,260	6,886
Lexington	95,657	0	257,183	83,240
Marion	15,285	0	34,336	13,301
Marlboro	12,041	0	28,995	10,478
Orangeburg	39,207	0	91,486	34,118
Richland	138,016	0	380,494	120,101
Sumter	43,356	0	104,976	37,728
Williamsburg	15,760	0	36,494	13,714

Critical Infrastructure

Total: **1006 Structures**

Power Requirements: **30,994.3 kW**

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (15)	0.8	35 - 75	41.3
Cellular Towers (77)	46.2	35 - 75	2,541.0
FM Antennas (49)	2.5	35 - 75	134.8
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (44)	0.0	200 - 300	0.0
Public Schools (150)	45.0	200 - 300	11,250.0
Colleges and Universities (10)	0.2	200 - 300	50.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (1)	0.1	15 - 35	2.5
Emergency Medical Service (130)	13.0	15 - 35	325.0
Fire Stations (150)	15.0	15 - 35	375.0
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (64)	9.6	35 - 100	648.0
Hospitals (11)	3.3	800 - 2000	4,620.0
Urgent Care Facilities (31)	6.2	200 - 300	1,550.0
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 (102)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (9)	1.8	400 - 600	900.0
Local Police (33)	3.3	15 - 35	82.5
State Police (5)	0.3	15 - 35	6.3
Correctional Facilities (9)	1.8	400 - 600	900.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (5)	1.0	15 - 40	27.5
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 (42)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (13)	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 (31)	3.7	40 - 100	260.4

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (13)	5.2	800 - 2000	7,280.0