



Hurricane Florence - Advisory #50

For Planning Purposes Only!

http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=38

Updated as of 11 Sep 2018 (6:14 PM Eastern Daylight Time)



Debris

5,110,697
cu. yd.

North Carolina 88% (4,498,392)

Virginia 7% (351,966)

South Carolina 5% (260,338)



Temporary Roofing

18,224
units

North Carolina 100% (18,224)

Virginia <1% (0)

South Carolina <1% (0)



Population

7,066,586
people

North Carolina 76% (5,378,434)

Virginia 14% (966,780)

South Carolina 10% (721,372)



Households

2,308,529
households

North Carolina 75% (1,740,183)

Virginia 14% (326,698)

South Carolina 10% (241,648)



Critical Infrastructure

North Carolina

(37) 15 - 35 kW

(1) 15 - 40 kW

(54) 35 - 75 kW

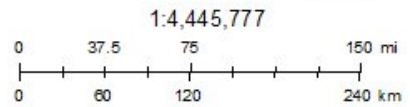
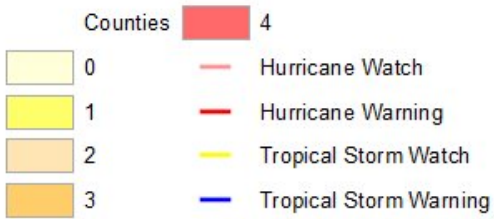
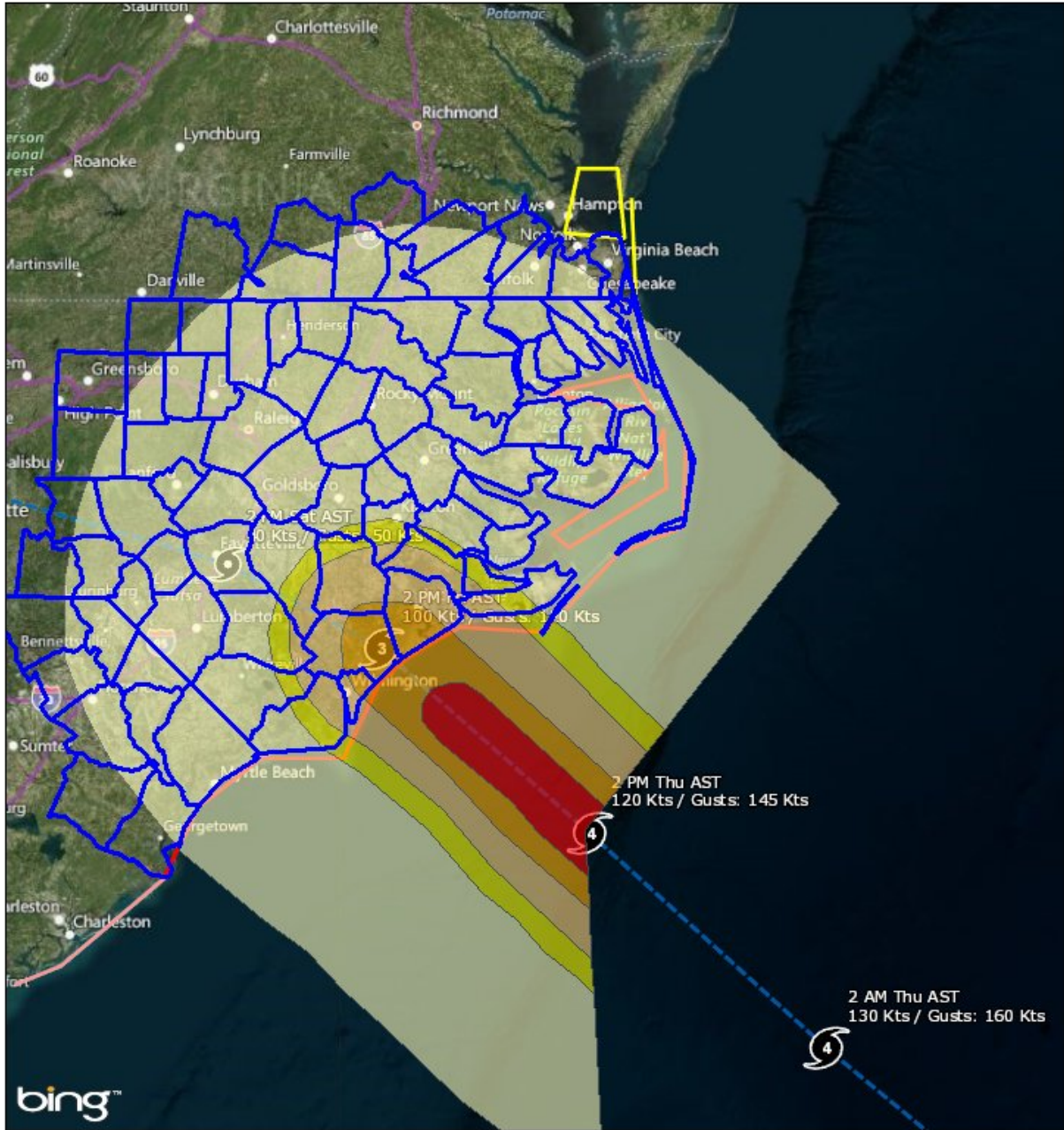
(10) 35 - 100 kW

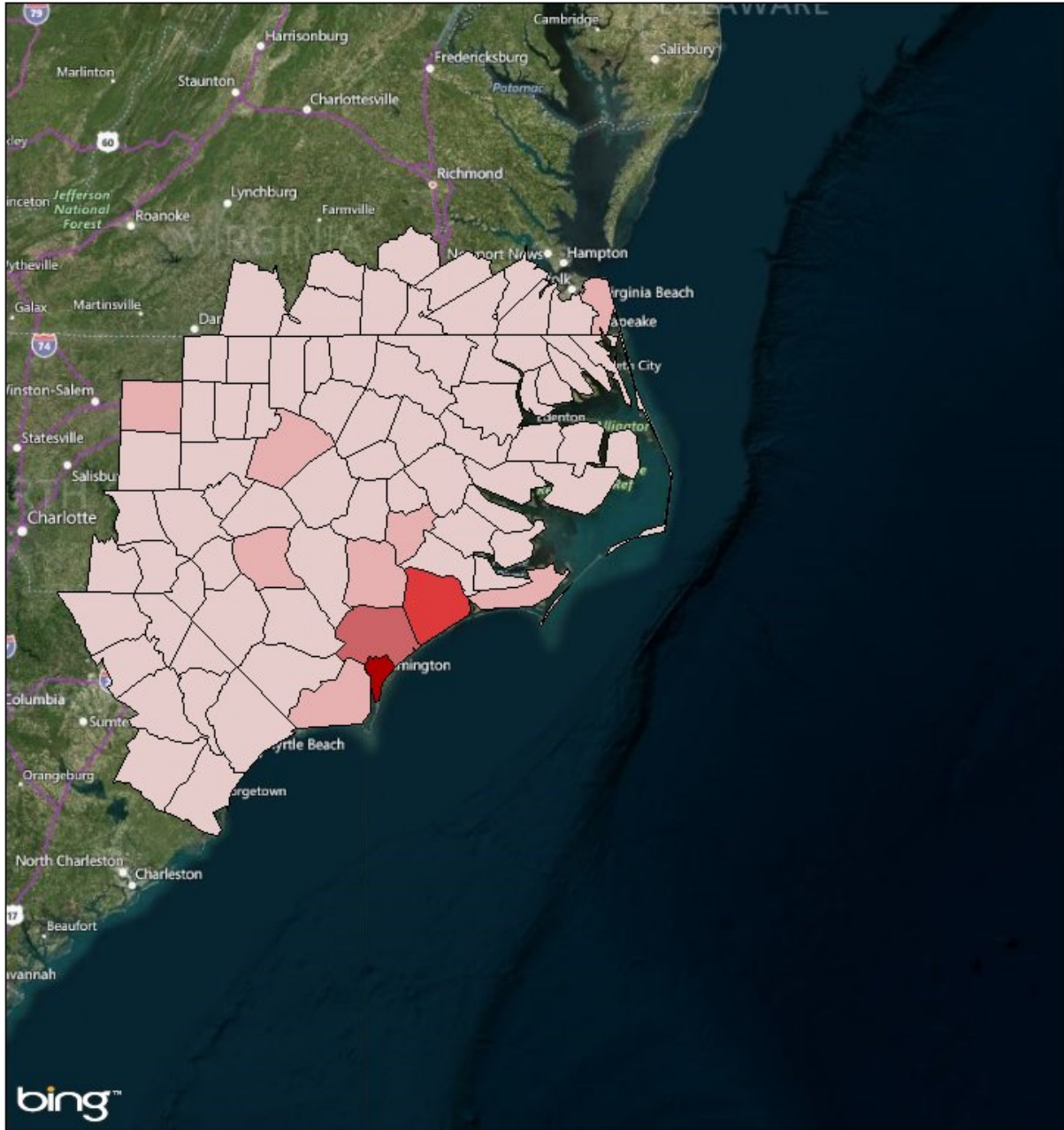
(5) 40 - 100 kW

(60) 200 - 300 kW

(2) 400 - 600 kW

(9) 800 - 2000 kW



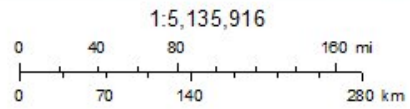


Mission Summaries

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



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	82
Debris (cu. yd.)	5,110,697
Temporary Roofing (units)	18,224
Population	7,066,586
Households	2,308,529

NORTH CAROLINA	Yards of Debris (4,498,392)	Roof Units (18,224)	Population (5,378,434)	Households (1,740,183)
Alamance	55,574	0	150,355	51,584
Anson	9,916	0	25,341	9,204
Beaufort	19,736	0	46,951	18,319
Bertie	8,342	0	20,019	7,743
Bladen	54,586	557	32,577	12,897
Brunswick	128,827	1,316	113,235	30,438
Camden	2,868	0	10,301	2,662
Carteret	106,675	1,089	64,494	25,204
Caswell	9,341	0	23,493	8,670
Chatham	21,268	0	64,256	19,741
Chowan	6,012	0	14,807	5,580
Columbus	90,185	921	54,899	21,308
Craven	63,672	899	99,813	34,582
Cumberland	115,662	0	324,167	107,358
Currituck	7,436	0	24,830	6,902
Dare	13,672	0	34,007	12,690
Duplin	168,846	1,001	54,388	18,267
Durham	95,900	0	270,938	89,015
Edgecombe	21,969	0	52,057	20,392
Franklin	19,223	0	60,792	17,843
Gates	4,203	0	12,160	3,901
Granville	17,942	0	59,205	16,654
Greene	7,214	0	21,331	6,696
Guilford	181,713	0	485,583	168,667
Halifax	23,833	0	55,202	22,122
Harnett	36,414	0	115,536	33,800
Hertford	9,645	0	23,672	8,953
Hoke	12,253	0	46,265	11,373
Hyde	2,354	0	5,428	2,185
Johnston	50,199	0	174,426	46,595
Jones	17,188	176	10,288	4,061
Lee	19,894	0	60,038	18,466
Lenoir	100,995	1,031	57,180	23,862
Martin	10,795	0	23,823	10,020
Montgomery	10,610	0	27,572	9,848
Moore	33,088	0	88,177	30,713
Nash	36,246	0	95,531	33,644
New Hanover	1,134,925	4,720	199,320	68,183
Northampton	9,363	0	21,041	8,691
Onslow	801,004	3,331	172,836	48,122
Orange	49,410	0	131,514	45,863
Pamlico	5,578	0	12,853	5,178

Pasquotank	13,905	0	42,443	12,907
Pender	267,223	1,111	54,546	16,054
Perquimans	5,004	0	13,145	4,645
Person	15,174	0	38,155	14,085
Pitt	56,603	0	162,304	52,539
Randolph	54,577	0	143,505	50,659
Richmond	19,255	0	46,893	17,873
Robeson	47,055	0	132,092	43,677
Sampson	94,269	963	65,513	22,273
Scotland	14,435	0	37,059	13,399
Tyrrell	1,656	0	4,244	1,537
Vance	17,452	0	43,297	16,199
Wake	173,840	0	927,140	242,040
Warren	8,304	0	19,843	7,708
Washington	5,782	0	12,996	5,367
Wayne	78,456	1,108	115,330	42,612
Wilson	30,826	0	79,228	28,613

SOUTH CAROLINA	Yards of Debris (260,338)	Roof Units (0)	Population (721,372)	Households (241,648)
Chesterfield	17,838	0	43,753	16,557
Darlington	27,788	0	67,389	25,793
Dillon	12,065	0	30,941	11,199
Florence	50,794	0	136,016	47,147
Georgetown	23,334	0	64,020	21,659
Horry	88,127	0	279,428	81,800
Marion	14,330	0	34,336	13,301
Marlboro	11,288	0	28,995	10,478
Williamsburg	14,775	0	36,494	13,714

VIRGINIA	Yards of Debris (351,966)	Roof Units (0)	Population (966,780)	Households (326,698)
Brunswick	6,762	0	18,189	6,277
Chesapeake	75,306	0	223,279	69,900
Dinwiddie	9,811	0	27,249	9,107
Emporia	2,398	0	5,778	2,226
Franklin City	3,646	0	8,556	3,384
Greensville	3,636	0	12,351	3,375
Halifax	16,180	0	36,023	15,018
Isle of Wight	12,194	0	36,330	11,319
Lunenburg	5,385	0	13,259	4,998
Mecklenburg	13,953	0	32,540	12,951
Southampton	6,765	0	19,004	6,279
Suffolk	25,084	0	85,224	23,283
Sussex	4,445	0	12,356	4,126
Virginia Beach	166,401	0	436,642	154,455

Critical Infrastructure

Total: **1225 Structures**

Power Requirements: **37,333.3 kW**

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (15)	0.8	35 - 75	41.3
Cellular Towers (87)	52.2	35 - 75	2,871.0
FM Antennas (45)	2.3	35 - 75	123.8
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (46)	0.0	200 - 300	0.0
Public Schools (185)	55.5	200 - 300	13,875.0
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 (167)	16.7	15 - 35	417.5
Fire Stations (172)	17.2	15 - 35	430.0
Service Providers (1)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (67)	10.0	35 - 100	678.4
Hospitals (12)	3.6	800 - 2000	5,040.0
Urgent Care Facilities (28)	5.6	200 - 300	1,400.0
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 (152)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (14)	2.8	400 - 600	1,400.0
Local Police (43)	4.3	15 - 35	107.5
State Police (7)	0.4	15 - 35	8.8
Correctional Facilities (15)	3.0	400 - 600	1,500.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (9)	1.8	15 - 40	49.5
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 (63)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (14)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (4)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (45)	5.4	40 - 100	378.0

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (16)	6.4	800 - 2000	8,960.0