



Hurricane Florence - Advisory #57

For Planning Purposes Only!

http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=43

Updated as of 13 Sep 2018 (12:26 PM Eastern Daylight Time)



Debris

5,617,905

cu. yd.

North Carolina 68% (3,794,127)

South Carolina 25% (1,396,324)

Virginia 8% (427,455)



Temporary Roofing

14,051

units

North Carolina 85% (11,951)

South Carolina 15% (2,100)

Virginia <1% (0)



Population

8,734,153

people

North Carolina 58% (5,099,667)

South Carolina 31% (2,744,237)

Virginia 10% (890,249)



Households

2,816,582

households

North Carolina 57% (1,614,374)

South Carolina 32% (904,633)

Virginia 11% (297,575)



Critical Infrastructure

North Carolina

South Carolina

(48) 15 - 35 kW

(7) 15 - 35 kW

(2) 15 - 40 kW

(11) 35 - 75 kW

(68) 35 - 75 kW

(2) 35 - 100 kW

(13) 35 - 100 kW

(1) 40 - 100 kW

(7) 40 - 100 kW

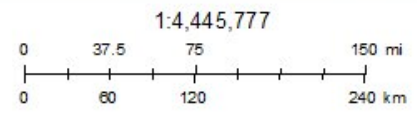
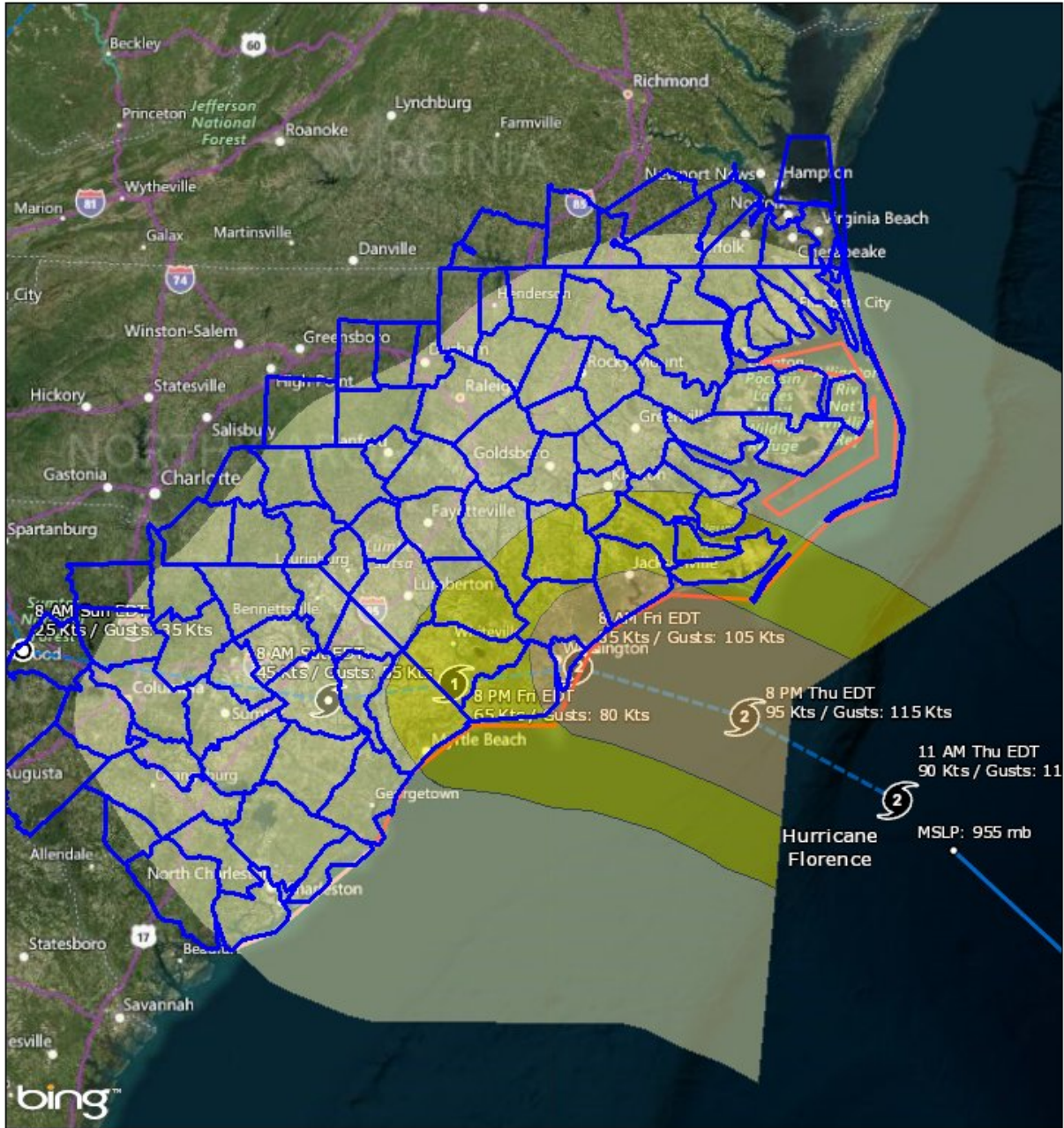
(13) 200 - 300 kW

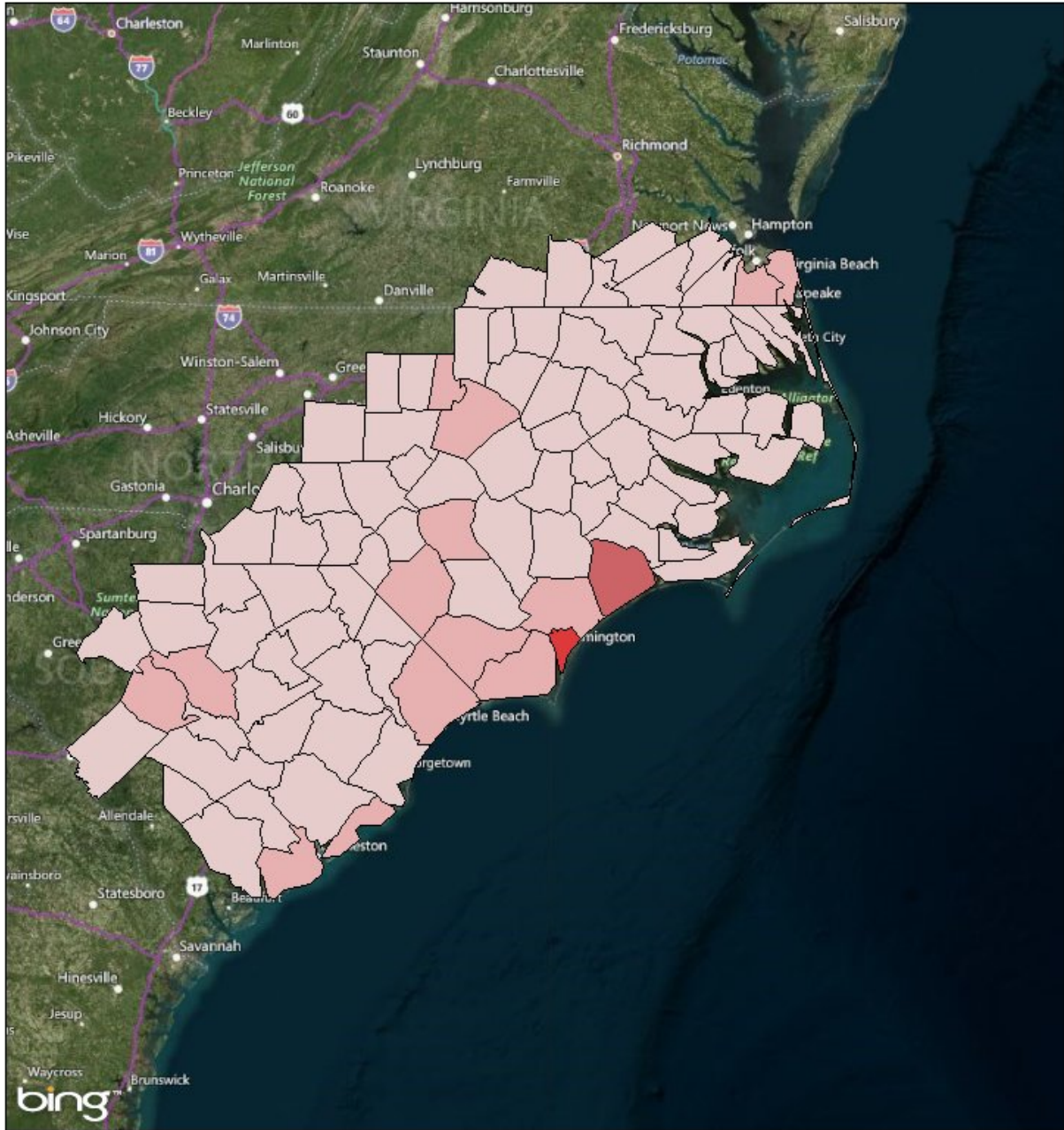
(76) 200 - 300 kW

(2) 800 - 2000 kW

(4) 400 - 600 kW

(11) 800 - 2000 kW

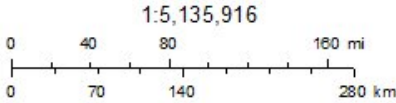




Mission Summaries

Debris

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards



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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	96
Debris (cu. yd.)	5,617,905
Temporary Roofing (units)	14,051
Population	8,734,153
Households	2,816,582

NORTH CAROLINA	Yards of Debris (3,794,127)	Roof Units (11,951)	Population (5,099,667)	Households (1,614,374)
Alamance	74,098	0	150,355	51,584
Anson	13,221	0	25,341	9,204
Beaufort	26,315	0	46,951	18,319
Bertie	11,123	0	20,019	7,743
Bladen	31,661	285	32,577	12,897
Brunswick	235,793	1,117	113,235	30,438
Camden	3,824	0	10,301	2,662
Carteret	87,542	557	64,494	25,204
Chatham	28,357	0	64,256	19,741
Chowan	8,015	0	14,807	5,580
Columbus	120,247	782	54,899	21,308
Craven	84,895	764	99,813	34,582
Cumberland	154,215	0	324,167	107,358
Currituck	9,914	0	24,830	6,902
Dare	18,229	0	34,007	12,690
Duplin	44,844	403	54,388	18,267
Durham	127,866	0	270,938	89,015
Edgecombe	29,292	0	52,057	20,392
Franklin	25,631	0	60,792	17,843
Gates	5,604	0	12,160	3,901
Granville	23,923	0	59,205	16,654
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	14,105	90	10,288	4,061
Lee	26,526	0	60,038	18,466
Lenoir	58,579	527	57,180	23,862
Martin	14,393	0	23,823	10,020
Montgomery	14,146	0	27,572	9,848
Moore	44,118	0	88,177	30,713
Nash	48,328	0	95,531	33,644
New Hanover	819,560	3,500	199,320	68,183
Northampton	12,484	0	21,041	8,691
Onslow	372,785	1,766	172,836	48,122
Orange	65,880	0	131,514	45,863
Pamlico	12,711	114	12,853	5,178
Pasquotank	18,540	0	42,443	12,907
Pender	124,365	589	54,546	16,054

Perquimans	6,672	0	13,145	4,645
Pitt	75,470	0	162,304	52,539
Randolph	72,770	0	143,505	50,659
Richmond	25,674	0	46,893	17,873
Robeson	107,223	964	132,092	43,677
Sampson	54,678	492	65,513	22,273
Scotland	19,247	0	37,059	13,399
Stanly	31,922	0	60,892	22,223
Tyrrell	2,208	0	4,244	1,537
Union	62,328	0	207,572	43,390
Vance	23,269	0	43,297	16,199
Wake	191,224	0	927,140	242,040
Warren	11,072	0	19,843	7,708
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 (1,396,324)	Roof Units (2,100)	Population (2,744,237)	Households (904,633)
Aiken	79,849	0	157,068	55,587
Bamberg	8,795	0	15,647	6,123
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	31,112	0	64,020	21,659
Horry	200,811	1,806	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	294	34,336	13,301
Marlboro	15,051	0	28,995	10,478
Newberry	20,148	0	38,285	14,026
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	19,700	0	36,494	13,714

VIRGINIA	Yards of Debris (427,455)	Roof Units (0)	Population (890,249)	Households (297,575)
Brunswick	9,017	0	18,189	6,277
Chesapeake	100,409	0	223,279	69,900
Emporia	3,198	0	5,778	2,226
Franklin City	4,861	0	8,556	3,384
Greensville	4,848	0	12,351	3,375
Isle of Wight	16,259	0	36,330	11,319
Mecklenburg	18,604	0	32,540	12,951
Southampton	9,020	0	19,004	6,279
Suffolk	33,445	0	85,224	23,283
Sussex	5,927	0	12,356	4,126
Virginia Beach	221,868	0	436,642	154,455

Critical Infrastructure

Total: **1785 Structures**

Power Requirements: **55,724.5 kW**

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (29)	1.5	35 - 75	79.8
Cellular Towers (127)	76.2	35 - 75	4,191.0
FM Antennas (83)	4.2	35 - 75	228.3
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (68)	0.0	200 - 300	0.0
Public Schools (275)	82.5	200 - 300	20,625.0
Colleges and Universities (17)	0.3	200 - 300	85.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (1)	0.1	15 - 35	2.5
Emergency Medical Service (232)	23.2	15 - 35	580.0
Fire Stations (287)	28.7	15 - 35	717.5
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (107)	16.1	35 - 100	1,083.4
Hospitals (20)	6.0	800 - 2000	8,400.0
Urgent Care Facilities (42)	8.4	200 - 300	2,100.0
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 (14)	0.0	15 - 35	0.0
National Security Government Military Facilities (174)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (22)	4.4	400 - 600	2,200.0
Local Police (61)	6.1	15 - 35	152.5
State Police (9)	0.5	15 - 35	11.3
Correctional Facilities (23)	4.6	400 - 600	2,300.0
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 (63)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (21)	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 (68)	8.2	40 - 100	571.2

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (22)	8.8	800 - 2000	12,320.0