

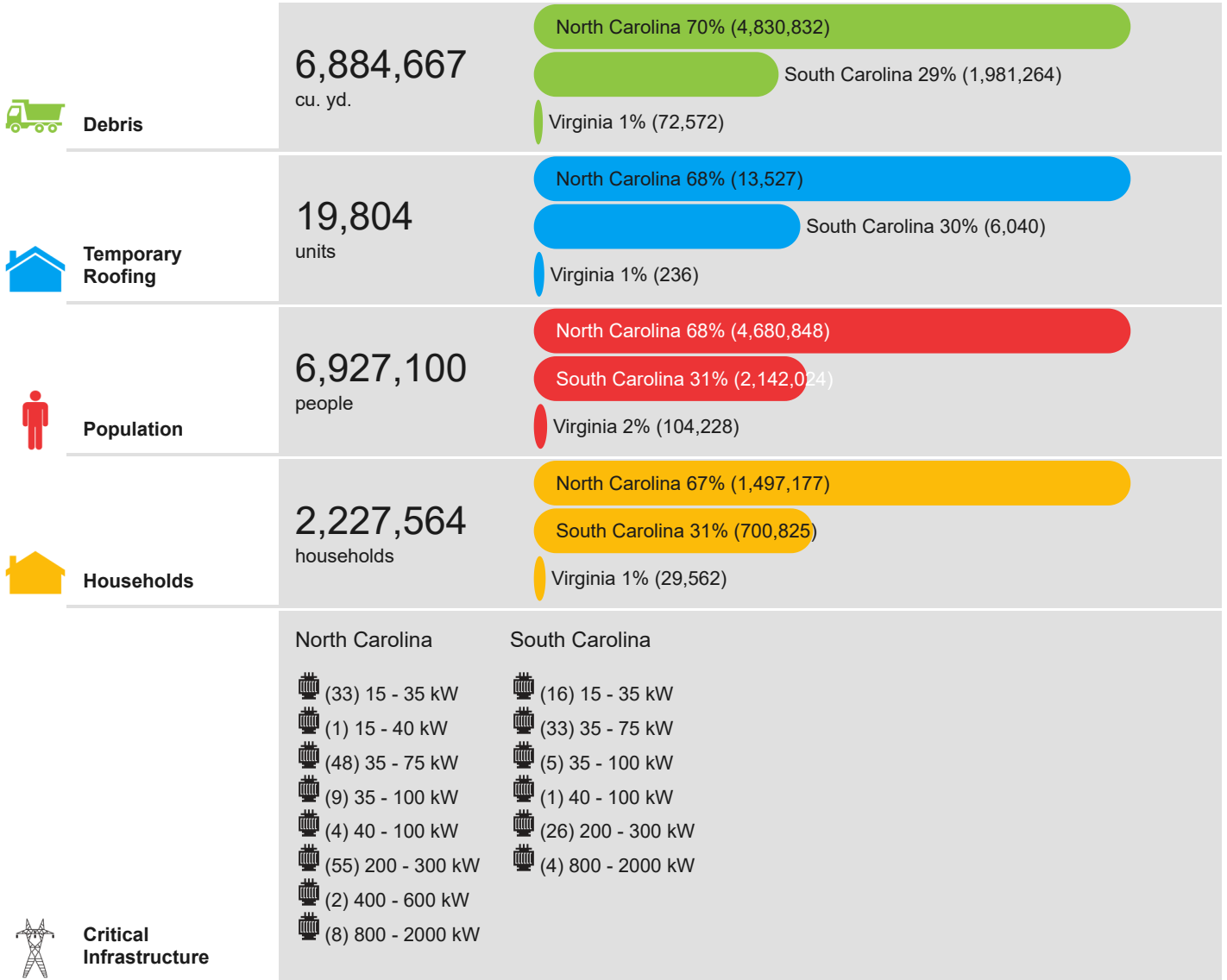


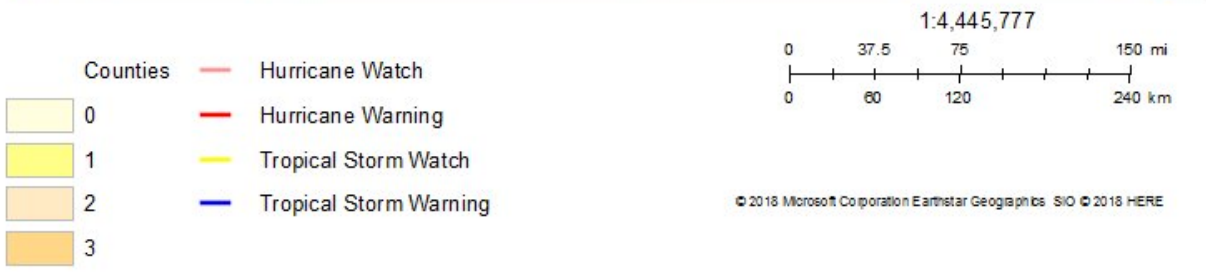
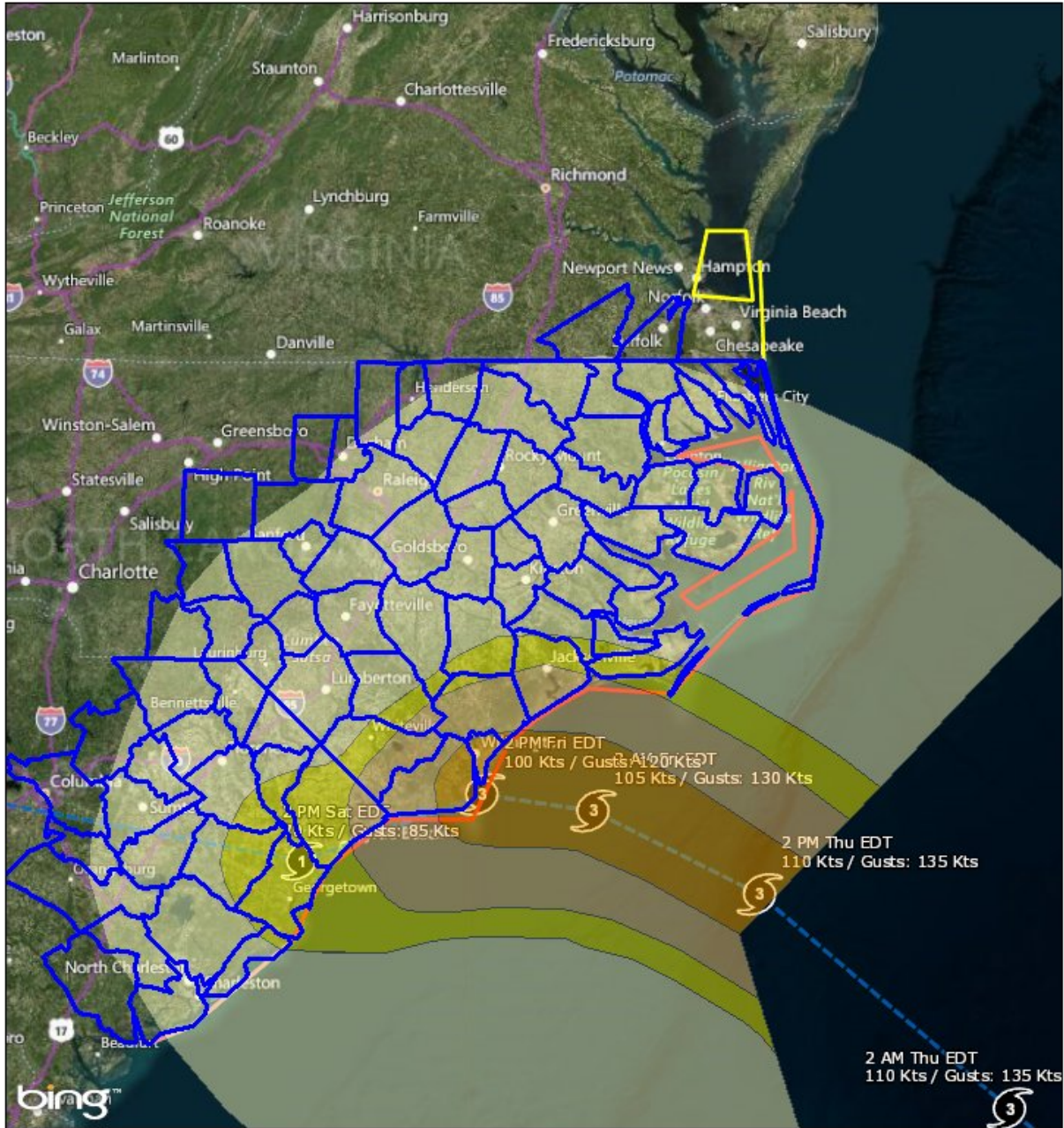
Hurricane Florence - Advisory #54

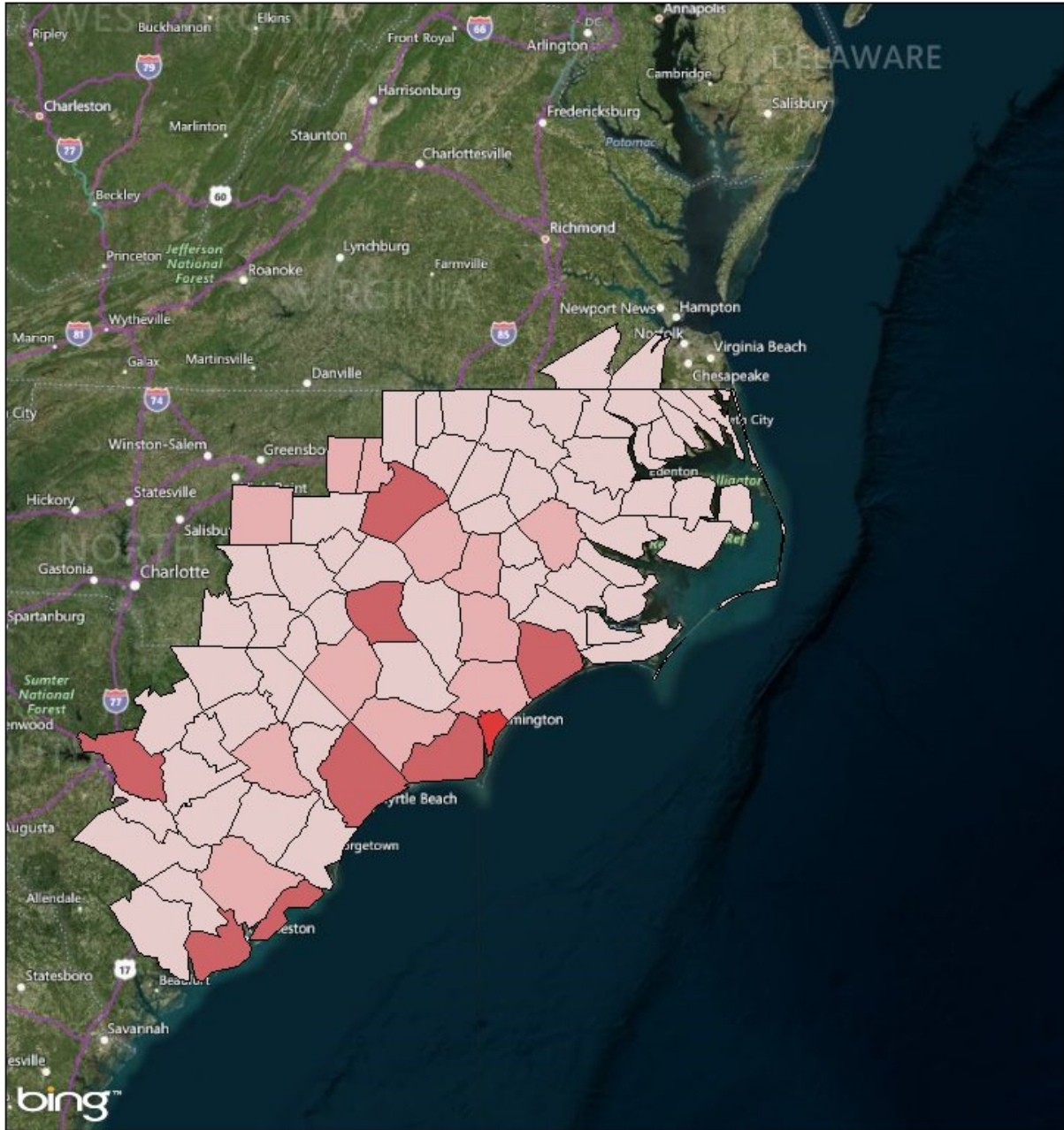
For Planning Purposes Only!

http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=41

Updated as of 12 Sep 2018 (7:23 PM Eastern Daylight Time)



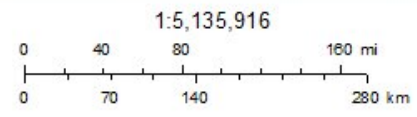




Mission Summaries

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	77
Debris (cu. yd.)	6,884,667
Temporary Roofing (units)	19,804
Population	6,927,100
Households	2,227,564

NORTH CAROLINA	Yards of Debris (4,830,832)	Roof Units (13,527)	Population (4,680,848)	Households (1,497,177)
Anson	22,595	74	25,341	9,204
Beaufort	44,971	147	46,951	18,319
Bertie	19,008	62	20,019	7,743
Bladen	72,781	172	32,577	12,897
Brunswick	375,127	513	113,235	30,438
Camden	6,535	21	10,301	2,662
Carteret	61,873	202	64,494	25,204
Chatham	48,462	158	64,256	19,741
Chowan	13,698	45	14,807	5,580
Columbus	120,247	283	54,899	21,308
Craven	84,895	277	99,813	34,582
Cumberland	263,553	859	324,167	107,358
Currituck	16,944	55	24,830	6,902
Dare	31,153	102	34,007	12,690
Duplin	103,086	243	54,388	18,267
Durham	218,523	712	270,938	89,015
Edgecombe	50,060	163	52,057	20,392
Franklin	43,803	143	60,792	17,843
Gates	9,577	31	12,160	3,901
Granville	40,884	133	59,205	16,654
Greene	16,438	54	21,331	6,696
Halifax	54,307	177	55,202	22,122
Harnett	82,976	270	115,536	33,800
Hertford	21,979	72	23,672	8,953
Hoke	27,920	91	46,265	11,373
Hyde	5,364	17	5,428	2,185
Johnston	114,386	373	174,426	46,595
Jones	9,969	32	10,288	4,061
Lee	45,332	148	60,038	18,466
Lenoir	58,579	191	57,180	23,862
Martin	24,598	80	23,823	10,020
Montgomery	24,176	79	27,572	9,848
Moore	75,397	246	88,177	30,713
Nash	82,593	269	95,531	33,644
New Hanover	840,308	1,150	199,320	68,183
Northampton	21,336	70	21,041	8,691
Onslow	271,565	640	172,836	48,122
Orange	112,589	367	131,514	45,863
Pamlico	12,711	41	12,853	5,178
Pasquotank	31,685	103	42,443	12,907
Pender	197,854	271	54,546	16,054
Perquimans	11,403	37	13,145	4,645

Pitt	128,978	420	162,304	52,539
Randolph	124,363	405	143,505	50,659
Richmond	43,876	143	46,893	17,873
Robeson	107,223	349	132,092	43,677
Sampson	54,678	178	65,513	22,273
Scotland	32,893	107	37,059	13,399
Tyrrell	3,773	12	4,244	1,537
Vance	39,767	130	43,297	16,199
Wake	297,092	1,936	927,140	242,040
Warren	18,922	62	19,843	7,708
Washington	13,175	43	12,996	5,367
Wayne	104,608	341	115,330	42,612
Wilson	70,242	229	79,228	28,613

SOUTH CAROLINA	Yards of Debris (1,981,264)	Roof Units (6,040)	Population (2,142,024)	Households (700,825)
Berkeley	122,554	399	175,573	49,922
Calhoun	14,526	47	15,660	5,917
Charleston	302,753	987	361,569	123,326
Chesterfield	40,646	132	43,753	16,557
Clarendon	28,997	94	34,508	11,812
Colleton	35,522	116	39,678	14,470
Darlington	63,319	206	67,389	25,793
Dillon	27,492	90	30,941	11,199
Dorchester	85,207	278	134,691	34,709
Florence	115,741	377	136,016	47,147
Georgetown	53,171	173	64,020	21,659
Horry	461,619	1,088	279,428	81,800
Kershaw	49,560	162	61,757	20,188
Lee	16,904	55	20,260	6,886
Marion	32,653	106	34,336	13,301
Marlboro	25,722	84	28,995	10,478
Orangeburg	83,756	273	91,486	34,118
Richland	294,836	961	380,494	120,101
Sumter	92,618	302	104,976	37,728
Williamsburg	33,666	110	36,494	13,714

VIRGINIA	Yards of Debris (72,572)	Roof Units (236)	Population (104,228)	Households (29,562)
Southampton	15,414	50	19,004	6,279
Suffolk	57,157	186	85,224	23,283

Critical Infrastructure

Total: **1625 Structures**

Power Requirements: **50,499.7 kW**

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (24)	1.2	35 - 75	66.0
Cellular Towers (134)	80.4	35 - 75	4,422.0
FM Antennas (78)	3.9	35 - 75	214.5
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (74)	0.0	200 - 300	0.0
Public Schools (247)	74.1	200 - 300	18,525.0
Colleges and Universities (13)	0.3	200 - 300	65.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (1)	0.1	15 - 35	2.5
Emergency Medical Service (211)	21.1	15 - 35	527.5
Fire Stations (255)	25.5	15 - 35	637.5
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (96)	14.4	35 - 100	972.0
Hospitals (18)	5.4	800 - 2000	7,560.0
Urgent Care Facilities (41)	8.2	200 - 300	2,050.0
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 (139)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (15)	3.0	400 - 600	1,500.0
Local Police (54)	5.4	15 - 35	135.0
State Police (8)	0.4	15 - 35	10.0
Correctional Facilities (16)	3.2	400 - 600	1,600.0
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 (82)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (22)	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 (48)	5.8	40 - 100	403.2

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (21)	8.4	800 - 2000	11,760.0