



Hurricane Florence - Advisory #56

For Planning Purposes Only!

http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=42

Updated as of 13 Sep 2018 (8:38 AM Eastern Daylight Time)



Debris

5,002,925

cu. yd.

North Carolina 75% (3,747,441)

South Carolina 25% (1,255,484)



Temporary Roofing

12,946

units

North Carolina 86% (11,147)

South Carolina 14% (1,800)



Population

7,331,294

people

North Carolina 66% (4,831,203)

South Carolina 34% (2,500,091)



Households

2,364,778

households

North Carolina 65% (1,548,761)

South Carolina 35% (816,017)



Critical Infrastructure

North Carolina

South Carolina

(41) 15 - 35 kW

(1) 15 - 35 kW

(1) 15 - 40 kW

(3) 35 - 75 kW

(60) 35 - 75 kW

(2) 200 - 300 kW

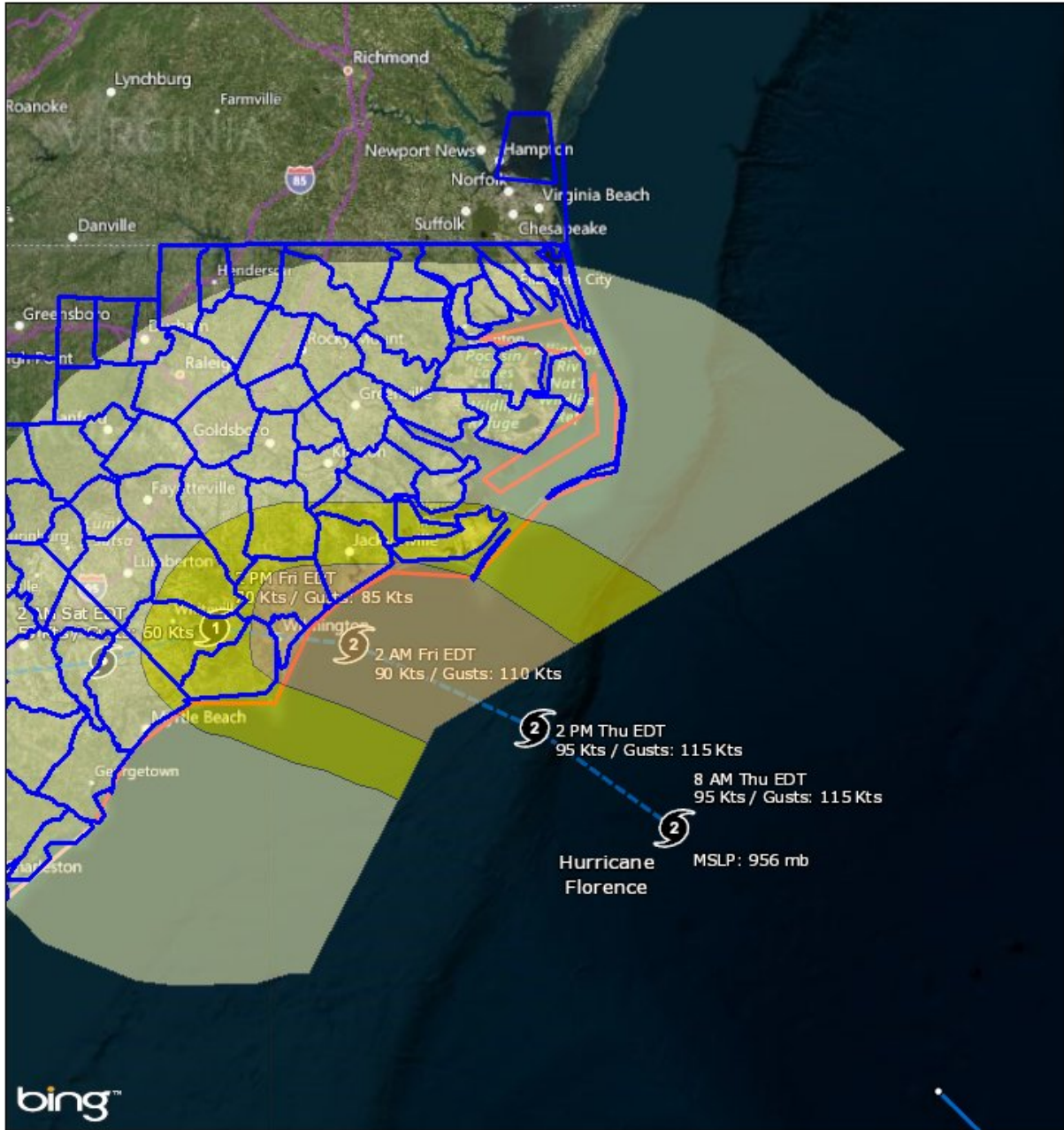
(10) 35 - 100 kW

(6) 40 - 100 kW

(66) 200 - 300 kW

(3) 400 - 600 kW

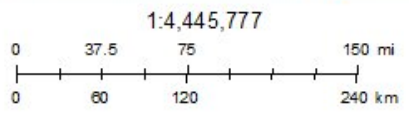
(10) 800 - 2000 kW



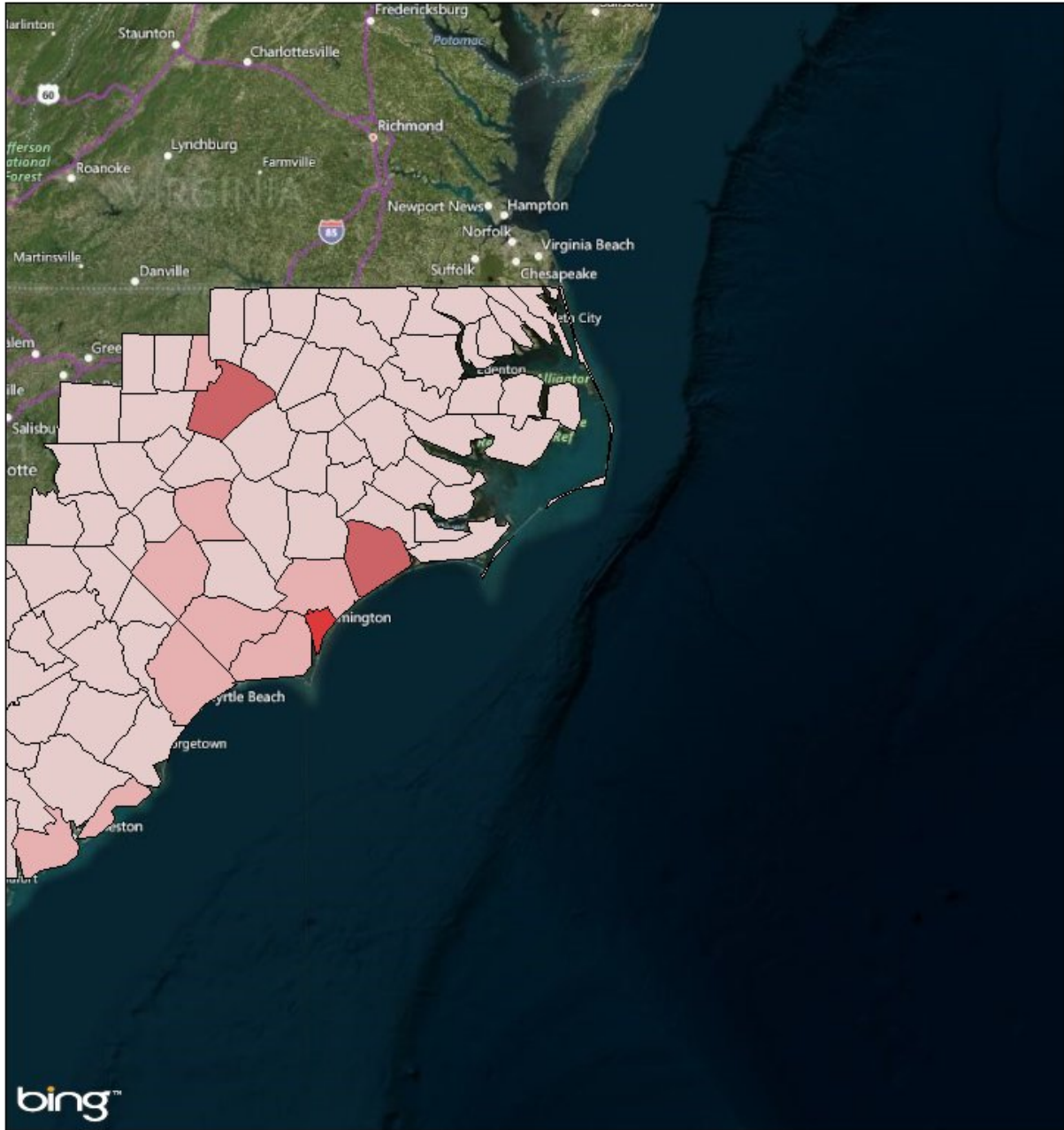
bing™

- Counties
- 0
 - 1
 - 2

- Hurricane Warning
- Tropical Storm Watch
- Tropical Storm Warning
- Hurricane Watch



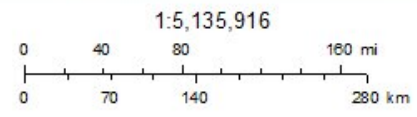
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Mission Summaries

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 | 79 |
| Debris (cu. yd.) | 5,002,925 |
| Temporary Roofing (units) | 12,946 |
| Population | 7,331,294 |
| Households | 2,364,778 |

| NORTH CAROLINA | Yards of Debris (3,747,441) | Roof Units (11,147) | Population (4,831,203) | Households (1,548,761) |
|-----------------------|--|----------------------------|-------------------------------|-------------------------------|
| 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 | 284 | 32,577 | 12,897 |
| Brunswick | 235,793 | 1,113 | 113,235 | 30,438 |
| Camden | 3,824 | 0 | 10,301 | 2,662 |
| Carteret | 87,542 | 554 | 64,494 | 25,204 |
| Chatham | 28,357 | 0 | 64,256 | 19,741 |
| Chowan | 8,015 | 0 | 14,807 | 5,580 |
| Columbus | 120,247 | 779 | 54,899 | 21,308 |
| Craven | 49,676 | 0 | 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 | 402 | 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 | 9,969 | 89 | 10,288 | 4,061 |
| Lee | 26,526 | 0 | 60,038 | 18,466 |
| Lenoir | 58,579 | 525 | 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 | 3,488 | 199,320 | 68,183 |
| Northampton | 12,484 | 0 | 21,041 | 8,691 |
| Onslow | 372,785 | 1,760 | 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 | 587 | 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 | 961 | 132,092 | 43,677 |
| Sampson | 54,678 | 490 | 65,513 | 22,273 |
| Scotland | 19,247 | 0 | 37,059 | 13,399 |
| Tyrrell | 2,208 | 0 | 4,244 | 1,537 |
| Vance | 23,269 | 0 | 43,297 | 16,199 |
| Wake | 278,145 | 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 (1,255,484) | Roof Units (1,800) | Population (2,500,091) | Households (816,017) |
|-----------------------|--|---------------------------|-------------------------------|-----------------------------|
| Berkeley | 71,711 | 0 | 175,573 | 49,922 |
| Calhoun | 8,500 | 0 | 15,660 | 5,917 |
| Charleston | 177,153 | 0 | 361,569 | 123,326 |
| 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 | 1,800 | 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 | 19,106 | 0 | 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 | 19,700 | 0 | 36,494 | 13,714 |

Critical Infrastructure

Total: **1396 Structures**

Power Requirements: **43,405.3 kW**

| Communications | # FED Gen Req | Range (kW) | Req kW |
|--|---------------|------------|----------|
| AM Antennas (21) | 1.1 | 35 - 75 | 57.8 |
| Cellular Towers (102) | 61.2 | 35 - 75 | 3,366.0 |
| FM Antennas (57) | 2.9 | 35 - 75 | 156.8 |
| Education | # FED Gen Req | Range (kW) | Req kW |
| Private Schools (57) | 0.0 | 200 - 300 | 0.0 |
| Public Schools (212) | 63.6 | 200 - 300 | 15,900.0 |
| Colleges and Universities (9) | 0.2 | 200 - 300 | 45.0 |
| Emergency Services | # FED Gen Req | Range (kW) | Req kW |
| 911 Call Centers (1) | 0.1 | 15 - 35 | 2.5 |
| Emergency Medical Service (188) | 18.8 | 15 - 35 | 470.0 |
| Fire Stations (208) | 20.8 | 15 - 35 | 520.0 |
| Service Providers (1) | 0.0 | 0 - 0 | 0.0 |
| Healthcare | # FED Gen Req | Range (kW) | Req kW |
| Nursing Homes (75) | 11.3 | 35 - 100 | 759.4 |
| Hospitals (15) | 4.5 | 800 - 2000 | 6,300.0 |
| Urgent Care Facilities (32) | 6.4 | 200 - 300 | 1,600.0 |
| 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 (9) | 0.0 | 15 - 35 | 0.0 |
| National Security Government Military Facilities (155) | 0.0 | 15 - 35 | 0.0 |
| Law Enforcement | # FED Gen Req | Range (kW) | Req kW |
| Prison Points (17) | 3.4 | 400 - 600 | 1,700.0 |
| Local Police (51) | 5.1 | 15 - 35 | 127.5 |
| State Police (7) | 0.4 | 15 - 35 | 8.8 |
| Correctional Facilities (18) | 3.6 | 400 - 600 | 1,800.0 |
| 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 (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 (55) | 6.6 | 40 - 100 | 462.0 |

| Water_Waster Water | # FED Gen Req | Range (kW) | Req kW |
|----------------------------------|---------------|------------|----------|
| Water Treatment Facilities (0) | 0.0 | 800 - 2000 | 0.0 |
| Wastewater Treatment Plants (18) | 7.2 | 800 - 2000 | 10,080.0 |