



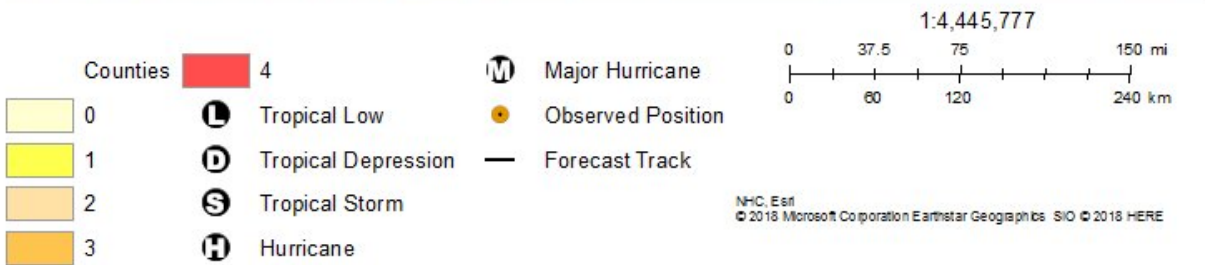
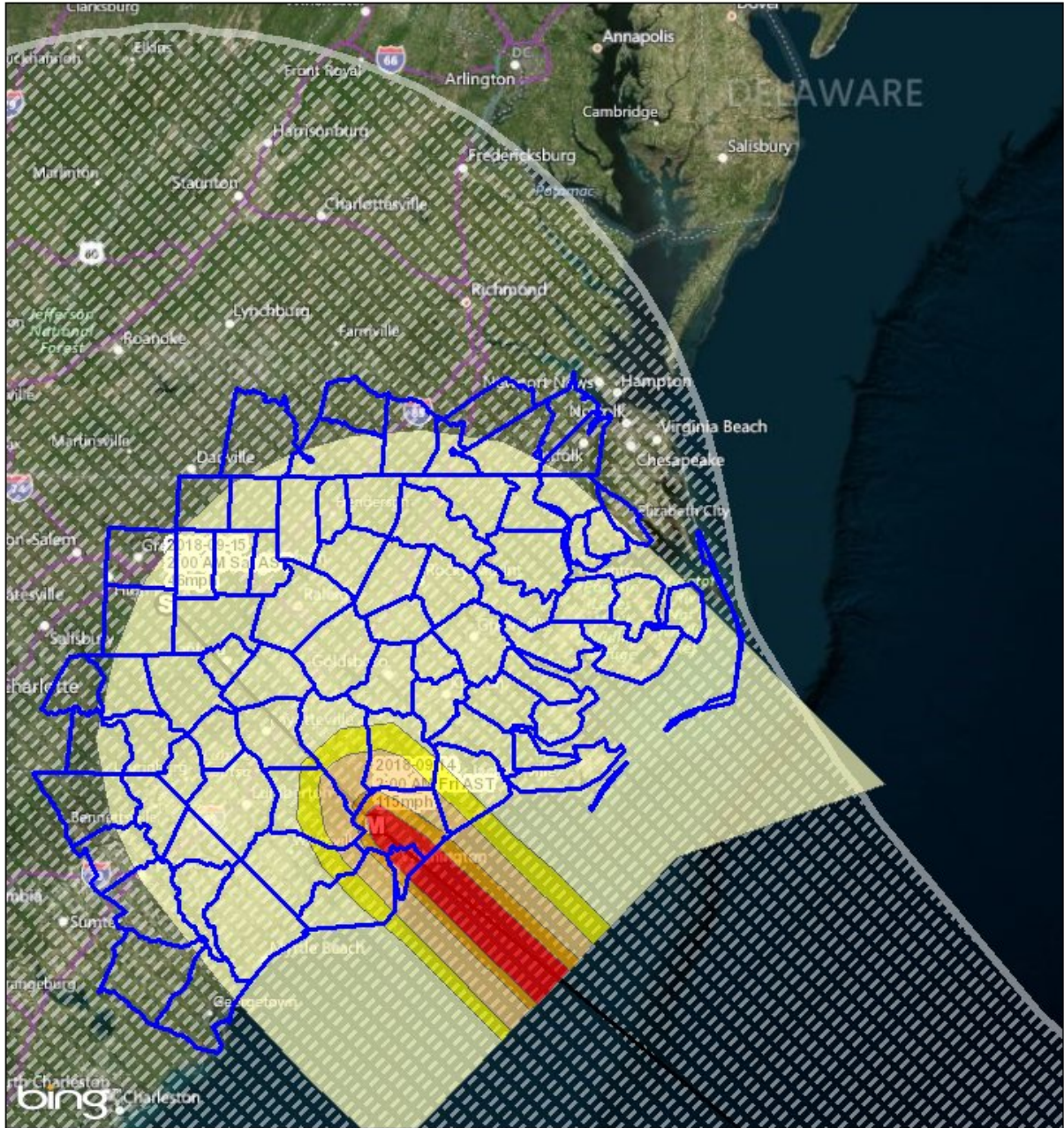
Hurricane Florence Adv. 44

For Planning Purposes Only!

http://simsuite.usace.army.mil/agol/apps/missionmodels/index.html?_66=33

Updated as of 10 Sep 2018 (8:40 AM Eastern Daylight Time)

| | | | |
|--|--------------------------------|--|--|
| | Debris | 4,599,251 cu. yd. | <p>North Carolina 95% (4,358,727)</p> <p>South Carolina 4% (173,559)</p> <p>Virginia 1% (66,965)</p> |
| | Temporary Roofing | 21,966 units | <p>North Carolina 100% (21,966)</p> <p>South Carolina <1% (0)</p> <p>Virginia <1% (0)</p> |
| | Population | 6,405,177 people | <p>North Carolina 84% (5,404,195)</p> <p>South Carolina 11% (721,372)</p> <p>Virginia 4% (279,610)</p> |
| | Households | 2,087,726 households | <p>North Carolina 84% (1,752,842)</p> <p>South Carolina 12% (241,648)</p> <p>Virginia 4% (93,236)</p> |
| | Critical Infrastructure | <p>North Carolina</p> <ul style="list-style-type: none"> (20) 15 - 35 kW (1) 15 - 40 kW (32) 35 - 75 kW (7) 35 - 100 kW (3) 40 - 100 kW (35) 200 - 300 kW (2) 400 - 600 kW (5) 800 - 2000 kW | |

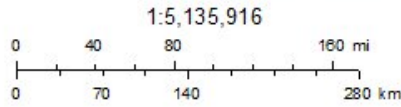




Mission Summaries

Debris

< 100,000 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 | 78 |
| Debris (cu. yd.) | 4,599,251 |
| Temporary Roofing (units) | 21,966 |
| Population | 6,405,177 |
| Households | 2,087,726 |

| NORTH CAROLINA | Yards of Debris (4,358,727) | Roof Units (21,966) | Population (5,404,195) | Households (1,752,842) |
|-----------------------|--|----------------------------|-------------------------------|-------------------------------|
| Alamance | 37,049 | 0 | 150,355 | 51,584 |
| Anson | 6,611 | 0 | 25,341 | 9,204 |
| Beaufort | 13,157 | 0 | 46,951 | 18,319 |
| Bertie | 5,561 | 0 | 20,019 | 7,743 |
| Bladen | 79,473 | 1,088 | 32,577 | 12,897 |
| Brunswick | 370,219 | 2,093 | 113,235 | 30,438 |
| Carteret | 18,102 | 0 | 64,494 | 25,204 |
| Caswell | 6,227 | 0 | 23,493 | 8,670 |
| Chatham | 14,179 | 0 | 64,256 | 19,741 |
| Chowan | 4,008 | 0 | 14,807 | 5,580 |
| Columbus | 60,123 | 1,417 | 54,899 | 21,308 |
| Craven | 24,838 | 0 | 99,813 | 34,582 |
| Cumberland | 131,777 | 4,294 | 324,167 | 107,358 |
| Dare | 9,114 | 0 | 34,007 | 12,690 |
| Duplin | 112,564 | 1,541 | 54,388 | 18,267 |
| Durham | 63,933 | 0 | 270,938 | 89,015 |
| Edgecombe | 14,646 | 0 | 52,057 | 20,392 |
| Franklin | 12,815 | 0 | 60,792 | 17,843 |
| Gates | 2,802 | 0 | 12,160 | 3,901 |
| Granville | 11,961 | 0 | 59,205 | 16,654 |
| Greene | 4,809 | 0 | 21,331 | 6,696 |
| Guilford | 121,142 | 0 | 485,583 | 168,667 |
| Halifax | 15,889 | 0 | 55,202 | 22,122 |
| Harnett | 24,276 | 0 | 115,536 | 33,800 |
| Hertford | 6,430 | 0 | 23,672 | 8,953 |
| Hoke | 8,168 | 0 | 46,265 | 11,373 |
| Hyde | 1,569 | 0 | 5,428 | 2,185 |
| Johnston | 33,466 | 0 | 174,426 | 46,595 |
| Jones | 2,917 | 0 | 10,288 | 4,061 |
| Lee | 13,263 | 0 | 60,038 | 18,466 |
| Lenoir | 17,138 | 0 | 57,180 | 23,862 |
| Martin | 7,197 | 0 | 23,823 | 10,020 |
| Montgomery | 7,073 | 0 | 27,572 | 9,848 |
| Moore | 22,059 | 0 | 88,177 | 30,713 |
| Nash | 24,164 | 0 | 95,531 | 33,644 |
| New Hanover | 1,784,703 | 4,841 | 199,320 | 68,183 |
| Northampton | 6,242 | 0 | 21,041 | 8,691 |
| Onslow | 296,535 | 4,058 | 172,836 | 48,122 |
| Orange | 32,940 | 0 | 131,514 | 45,863 |
| Pamlico | 3,719 | 0 | 12,853 | 5,178 |
| Pasquotank | 9,270 | 0 | 42,443 | 12,907 |
| Pender | 241,199 | 1,104 | 54,546 | 16,054 |

| | | | | |
|------------|---------|-------|---------|---------|
| Perquimans | 3,336 | 0 | 13,145 | 4,645 |
| Person | 10,116 | 0 | 38,155 | 14,085 |
| Pitt | 37,735 | 0 | 162,304 | 52,539 |
| Randolph | 36,385 | 0 | 143,505 | 50,659 |
| Richmond | 12,837 | 0 | 46,893 | 17,873 |
| Robeson | 31,370 | 0 | 132,092 | 43,677 |
| Sampson | 270,908 | 1,531 | 65,513 | 22,273 |
| Scotland | 9,624 | 0 | 37,059 | 13,399 |
| Stanly | 15,961 | 0 | 60,892 | 22,223 |
| Tyrrell | 1,104 | 0 | 4,244 | 1,537 |
| Vance | 11,635 | 0 | 43,297 | 16,199 |
| Wake | 173,840 | 0 | 927,140 | 242,040 |
| Warren | 5,536 | 0 | 19,843 | 7,708 |
| Washington | 3,855 | 0 | 12,996 | 5,367 |
| Wayne | 30,605 | 0 | 115,330 | 42,612 |
| Wilson | 20,551 | 0 | 79,228 | 28,613 |

| SOUTH CAROLINA | Yards of Debris (173,559) | Roof Units (0) | Population (721,372) | Households (241,648) |
|-----------------------|----------------------------------|-----------------------|-----------------------------|-----------------------------|
| Chesterfield | 11,892 | 0 | 43,753 | 16,557 |
| Darlington | 18,525 | 0 | 67,389 | 25,793 |
| Dillon | 8,043 | 0 | 30,941 | 11,199 |
| Florence | 33,862 | 0 | 136,016 | 47,147 |
| Georgetown | 15,556 | 0 | 64,020 | 21,659 |
| Horry | 58,751 | 0 | 279,428 | 81,800 |
| Marion | 9,553 | 0 | 34,336 | 13,301 |
| Marlboro | 7,526 | 0 | 28,995 | 10,478 |
| Williamsburg | 9,850 | 0 | 36,494 | 13,714 |

| VIRGINIA | Yards of Debris (66,965) | Roof Units (0) | Population (279,610) | Households (93,236) |
|-----------------|---------------------------------|-----------------------|-----------------------------|----------------------------|
| Brunswick | 4,508 | 0 | 18,189 | 6,277 |
| Emporia | 1,599 | 0 | 5,778 | 2,226 |
| Franklin City | 2,430 | 0 | 8,556 | 3,384 |
| Greensville | 2,424 | 0 | 12,351 | 3,375 |
| Halifax | 10,786 | 0 | 36,023 | 15,018 |
| Isle of Wight | 8,130 | 0 | 36,330 | 11,319 |
| Lunenburg | 3,590 | 0 | 13,259 | 4,998 |
| Mecklenburg | 9,302 | 0 | 32,540 | 12,951 |
| Southampton | 4,510 | 0 | 19,004 | 6,279 |
| Suffolk | 16,723 | 0 | 85,224 | 23,283 |
| Sussex | 2,963 | 0 | 12,356 | 4,126 |

Critical Infrastructure

Total: **704 Structures**

Power Requirements: **23,038.2 kW**

| Communications | # FED Gen Req | Range (kW) | Req kW |
|---|----------------------|-------------------|---------------|
| AM Antennas (10) | 0.5 | 35 - 75 | 27.5 |
| Cellular Towers (53) | 31.8 | 35 - 75 | 1,749.0 |
| FM Antennas (30) | 1.5 | 35 - 75 | 82.5 |
| Education | # FED Gen Req | Range (kW) | Req kW |
| Private Schools (30) | 0.0 | 200 - 300 | 0.0 |
| Public Schools (104) | 31.2 | 200 - 300 | 7,800.0 |
| Colleges and Universities (7) | 0.1 | 200 - 300 | 35.0 |
| Emergency Services | # FED Gen Req | Range (kW) | Req kW |
| 911 Call Centers (1) | 0.1 | 15 - 35 | 2.5 |
| Emergency Medical Service (96) | 9.6 | 15 - 35 | 240.0 |
| Fire Stations (93) | 9.3 | 15 - 35 | 232.5 |
| Service Providers (1) | 0.0 | 0 - 0 | 0.0 |
| Healthcare | # FED Gen Req | Range (kW) | Req kW |
| Nursing Homes (48) | 7.2 | 35 - 100 | 486.0 |
| Hospitals (8) | 2.4 | 800 - 2000 | 3,360.0 |
| Urgent Care Facilities (21) | 4.2 | 200 - 300 | 1,050.0 |
| 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 (7) | 0.0 | 15 - 35 | 0.0 |
| National Security Government Military Facilities (39) | 0.0 | 15 - 35 | 0.0 |
| Law Enforcement | # FED Gen Req | Range (kW) | Req kW |
| Prison Points (13) | 2.6 | 400 - 600 | 1,300.0 |
| Local Police (28) | 2.8 | 15 - 35 | 70.0 |
| State Police (5) | 0.3 | 15 - 35 | 6.3 |
| Correctional Facilities (13) | 2.6 | 400 - 600 | 1,300.0 |
| State and Local EOC | # FED Gen Req | Range (kW) | Req kW |
| Local Emergency Operations Centers (7) | 1.4 | 15 - 40 | 38.5 |
| 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 (9) | 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 (26) | 3.1 | 40 - 100 | 218.4 |

| Water_Waster Water | # FED Gen Req | Range (kW) | Req kW |
|---------------------------------|---------------|------------|---------|
| Water Treatment Facilities (0) | 0.0 | 800 - 2000 | 0.0 |
| Wastewater Treatment Plants (9) | 3.6 | 800 - 2000 | 5,040.0 |