



Hurricane Dorian - Advisory #50

For Planning Purposes Only!

WASHINGTON, DC
17:22:52
05 Sep 2019

CHICAGO
16:22:52
05 Sep 2019

LOS ANGELES
14:22:52
05 Sep 2019

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=94

Updated as of 5 Sep 2019 (5:22 PM Eastern Daylight Time)



Debris

624,396
cu. yd.

North Carolina 99% (619,375)

South Carolina <1% (5,021)

Massachusetts <1% (0)

Virginia <1% (0)



Temporary Roofing

795
units

North Carolina 99% (788)

South Carolina <1% (7)

Massachusetts <1% (0)

Virginia <1% (0)



Population

4,588,388
people

North Carolina 44% (2,038,467)

Virginia 29% (1,321,186)

South Carolina 26% (1,172,419)

Massachusetts 1% (56,315)



Households

1,551,965
households

North Carolina 45% (692,247)

Virginia 30% (459,980)

South Carolina 24% (376,496)

Massachusetts 1% (23,242)



Critical Infrastructure

North Carolina

South Carolina



(1) 15 - 35 kW



(1) 15 - 40 kW



(3) 35 - 100 kW



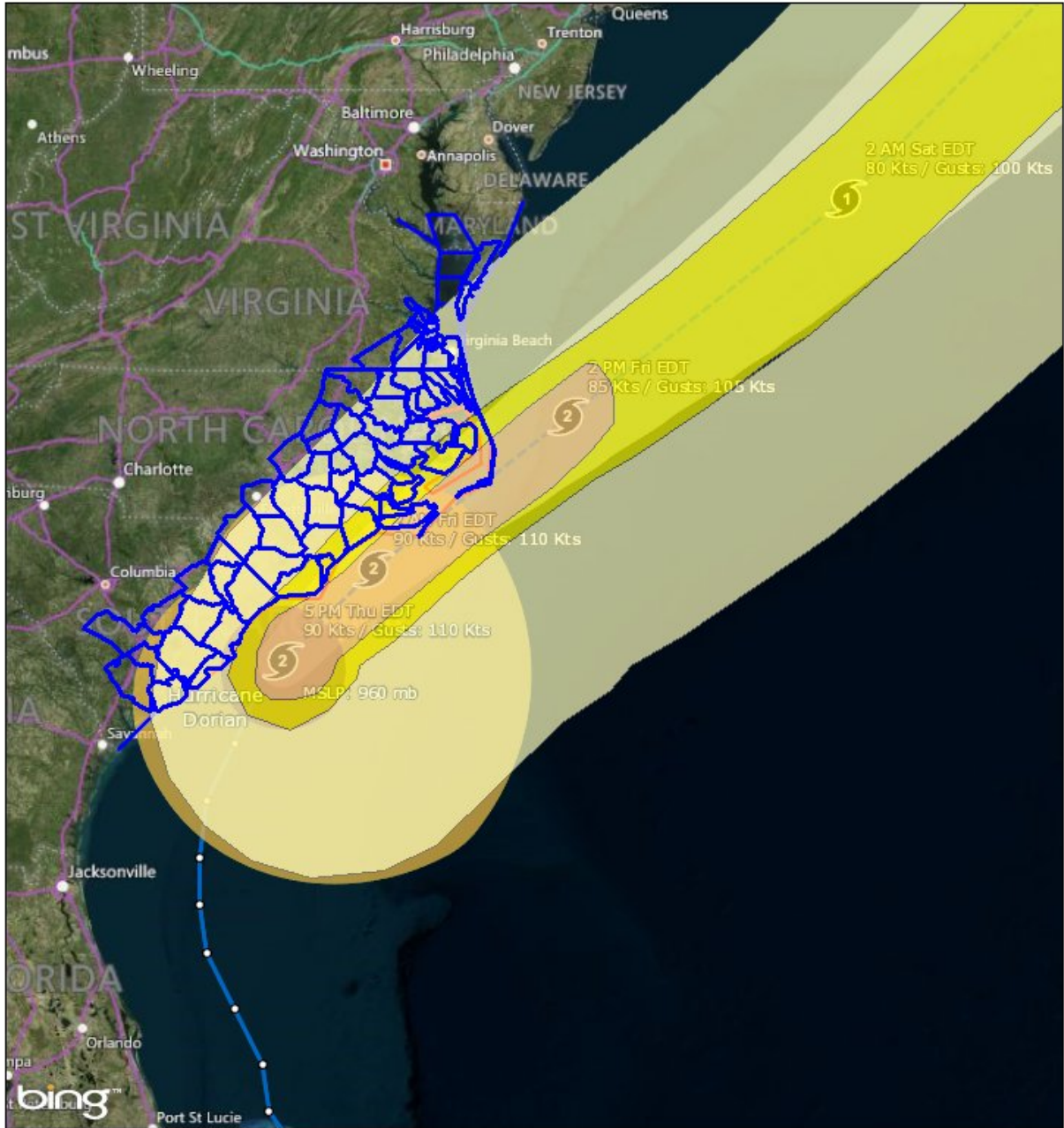
(6) 200 - 300 kW

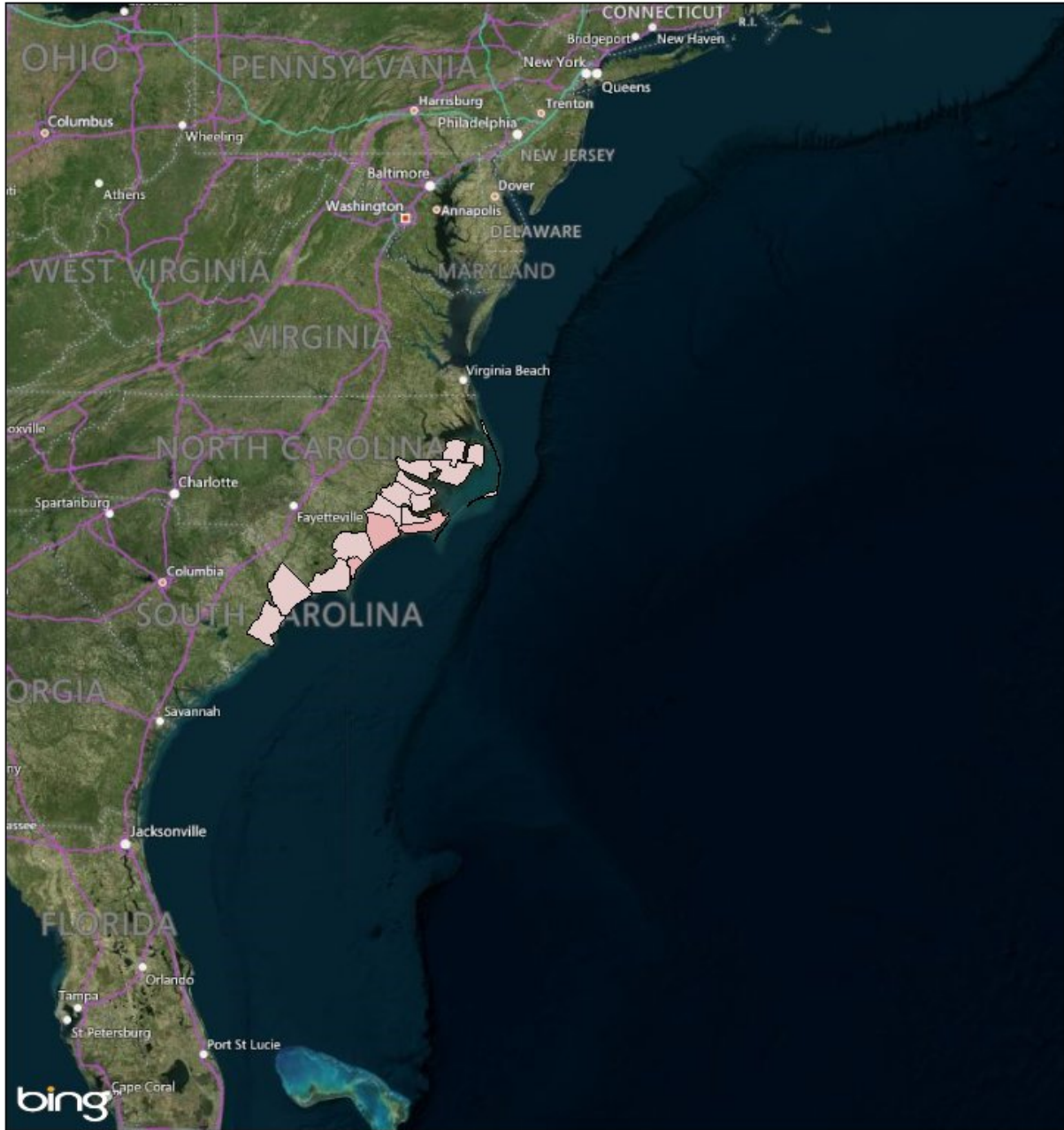


(2) 400 - 600 kW



(7) 800 - 2000 kW

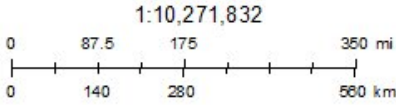




Mission Summaries

Debris

- < 100,000 cubic yards
- 100,000 - 249,000 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.

Mission Summary	
Total Counties	67
Debris (cu. yd.)	624,396
Temporary Roofing (units)	795
Population	4,588,387.521
Households	1,551,965.13

Population Distribution	
Tropical Storm	3,920,459
Category 1	580,166
Category 2	64,568

MASSACHUSETTS	Yards of Debris (0)	Roof Units (0)	Population (56,315)	Households (23,242)
Barnstable	0	0	44,956	19,288
Dukes	0	0	626	256
Nantucket	0	0	10,733	3,699

NORTH CAROLINA	Yards of Debris (619,375)	Roof Units (788)	Population (2,038,467)	Households (692,247)
Beaufort	8,131	12	46,954	18,320
Bertie	0	0	20,019	7,743
Bladen	0	0	32,577	12,897
Brunswick	55,384	78	91,033	24,470
Camden	0	0	10,301	2,662
Carteret	196,919	189	64,494	25,204
Chowan	0	0	14,807	5,580
Columbus	0	0	54,899	21,308
Craven	32,156	46	94,133	32,614
Cumberland	0	0	149,250	49,429
Currituck	0	0	24,830	6,902
Dare	28,650	41	34,007	12,690
Duplin	0	0	54,388	18,267
Edgecombe	0	0	52,057	20,392
Gates	0	0	12,160	3,901
Greene	0	0	21,331	6,696
Halifax	0	0	13,457	5,393
Hertford	0	0	23,672	8,953
Hyde	4,933	7	5,428	2,185
Johnston	0	0	54,539	14,569
Jones	3,250	5	10,288	4,061
Lenoir	0	0	57,180	23,862
Martin	0	0	23,823	10,020
Nash	0	0	860	303
New Hanover	153,935	218	199,320	68,183
Northampton	0	0	5,130	2,119
Onslow	108,644	154	172,836	48,122
Pamlico	11,690	17	12,853	5,178
Pasquotank	0	0	42,443	12,907
Pender	14,849	21	54,546	16,054
Perquimans	0	0	13,145	4,645
Pitt	0	0	162,304	52,539
Robeson	0	0	132,092	43,677
Sampson	0	0	65,513	22,273
Tyrrell	835	1	4,244	1,537
Washington	0	0	12,996	5,367
Wayne	0	0	115,330	42,612
Wilson	0	0	79,228	28,613

SOUTH CAROLINA	Yards of Debris (5,021)	Roof Units (7)	Population (1,172,419)	Households (376,496)
Berkeley	0	0	175,573	49,922
Charleston	0	0	361,569	123,326
Clarendon	0	0	2,885	987
Colleton	0	0	397	145
Dillon	0	0	30,941	11,199
Dorchester	0	0	48,885	12,597
Florence	0	0	136,016	47,147
Georgetown	2	0	64,020	21,659
Horry	5,018	7	279,437	81,803
Marion	0	0	34,336	13,301
Orangeburg	0	0	1,866	696
Williamsburg	0	0	36,494	13,714

VIRGINIA	Yards of Debris (0)	Roof Units (0)	Population (1,321,186)	Households (459,980)
Accomack	0	0	5,270	2,078
Chesapeake	0	0	223,279	69,900
Franklin City	0	0	101	40
Hampton	0	0	146,762	53,887
Isle of Wight	0	0	10,887	3,392
Newport News	0	0	47,253	18,131
Norfolk	0	0	236,947	86,210
Northampton	0	0	13,729	5,321
Poquoson	0	0	12,083	4,166
Portsmouth	0	0	99,998	38,170
Southampton	0	0	891	294
Suffolk	0	0	85,224	23,283
Virginia Beach	0	0	436,642	154,455
York	0	0	2,120	652

Critical Infrastructure

Summary			
Total Structures		359	
Power Requirements		18,937.6	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (15)	0.8	35 - 75	41.3
Cellular Towers (1)	0.6	35 - 75	33.0
FM Antennas (0)	0.0	35 - 75	0.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (48)	0.0	200 - 300	0.0
Public Schools (10)	3.0	200 - 300	750.0
Colleges and Universities (9)	0.2	200 - 300	45.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (2)	0.2	15 - 35	5.0
Emergency Medical Service (15)	1.5	15 - 35	37.5
Fire Stations (16)	1.6	15 - 35	40.0
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (20)	3.0	35 - 100	202.5
Hospitals (12)	3.6	800 - 2000	5,040.0
Urgent Care Facilities (34)	6.8	200 - 300	1,700.0
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 (6)	0.0	15 - 35	0.0
National Security Government Military Facilities (57)	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 (22)	2.2	15 - 35	55.0
State Police (6)	0.3	15 - 35	7.5
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (8)	1.6	15 - 40	44.0
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 (0)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (40)	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 (2)	0.2	40 - 100	16.8

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (17)	6.8	800 - 2000	9,520.0

Report Generated by SimSuite

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