



Hurricane Dorian - Advisory #45

For Planning Purposes Only!

WASHINGTON, DC
12:59:15
04 Sep 2019

CHICAGO
11:59:15
04 Sep 2019

LOS ANGELES
09:59:15
04 Sep 2019

http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json&_25=90

Updated as of 4 Sep 2019 (12:59 PM Eastern Daylight Time)



Debris

824,411
cu. yd.

North Carolina 57% (471,476)

South Carolina 43% (352,936)

Florida <1% (0)

Georgia <1% (0)

Massachusetts <1% (0)

Virginia <1% (0)



Temporary Roofing

1,519
units

North Carolina 57% (869)

South Carolina 43% (650)

Florida <1% (0)

Georgia <1% (0)

Massachusetts <1% (0)

Virginia <1% (0)



Population

9,181,659
people

North Carolina 28% (2,589,105)

Florida 26% (2,353,314)

South Carolina 21% (1,924,638)

Virginia 14% (1,295,491)

Georgia 8% (731,888)

Massachusetts 3% (287,223)



Households

3,059,337
households

North Carolina 28% (864,654)

Florida 25% (765,256)

South Carolina 20% (625,205)

Virginia 15% (450,754)

Georgia 8% (235,151)

Massachusetts 4% (118,318)



Critical Infrastructure

North Carolina

(1) 15 - 35 kW

(2) 15 - 40 kW

(2) 35 - 100 kW


South Carolina


(1) 40 - 100 kW

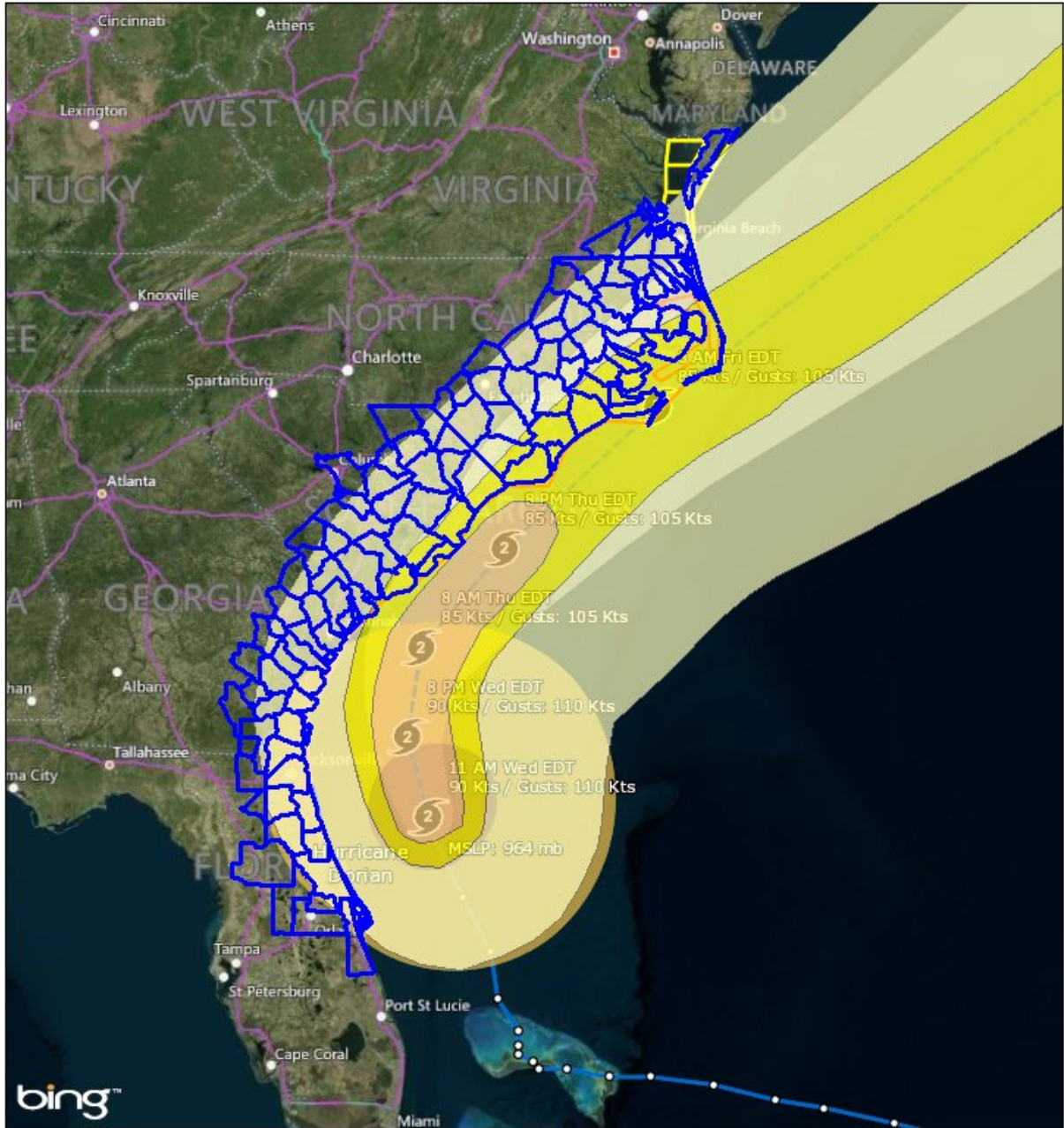
(4) 200 - 300 kW

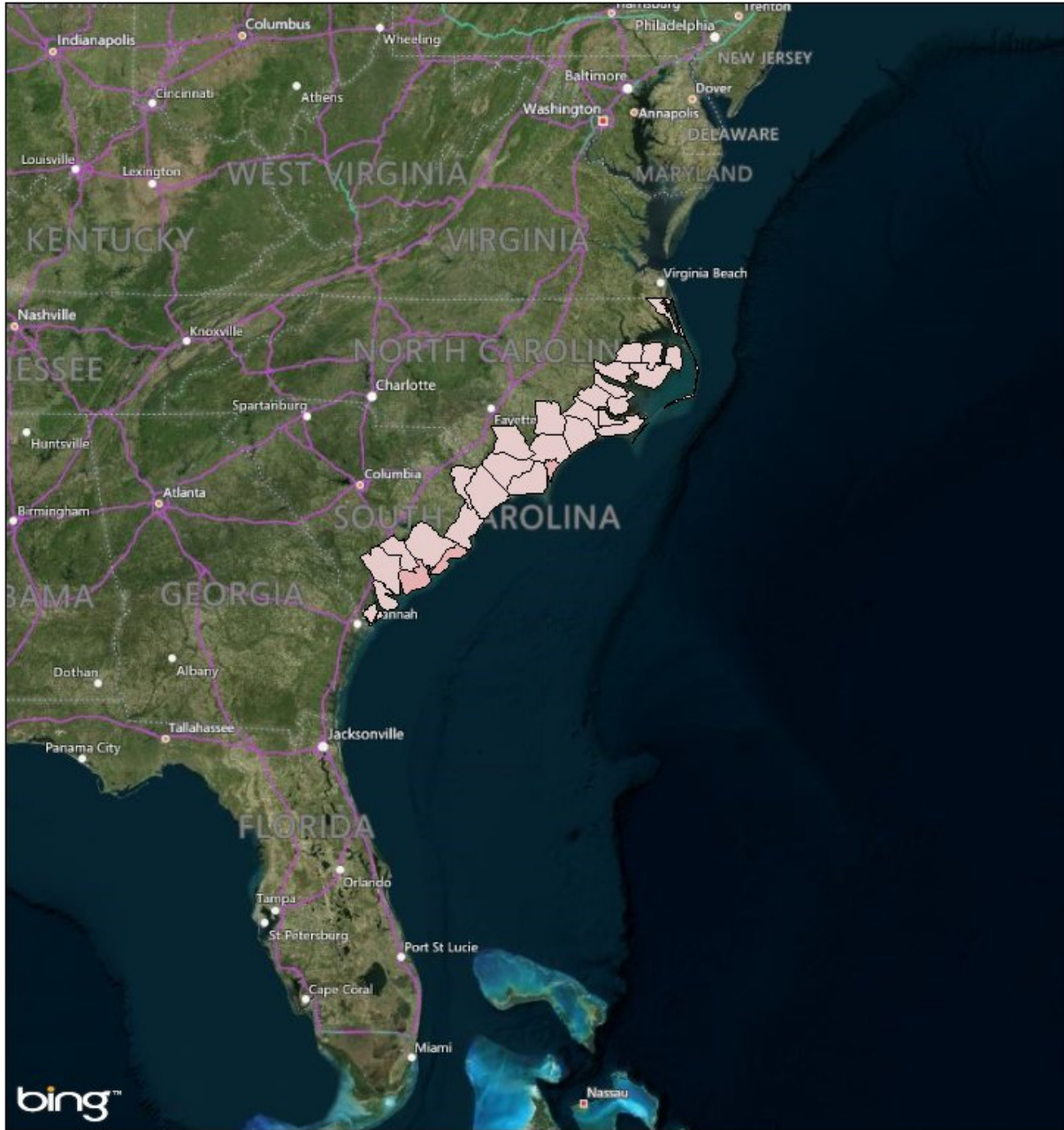
(8) 800 - 2000 kW

 (7) 200 - 300 kW

 (3) 400 - 600 kW

 (7) 800 - 2000 kW

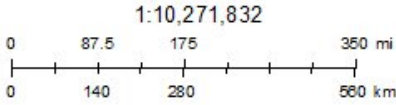




Mission Summaries

Debris

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

Mission Summary	
Total Counties	115
Debris (cu. yd.)	824,411
Temporary Roofing (units)	1,519
Population	9,181,658.892
Households	3,059,336.775

Population Distribution	
Tropical Storm	7,722,005
Category 1	1,459,621

FLORIDA	Yards of Debris (0)	Roof Units (0)	Population (2,353,314)	Households (765,256)
Baker	0	0	1,735	457
Bradford	0	0	331	97
Brevard	0	0	182,660	64,837
Clay	0	0	192,632	50,243
Duval	0	0	904,256	303,747
Flagler	0	0	96,812	21,294
Lake	0	0	19,780	5,711
Marion	0	0	2,920	907
Nassau	0	0	73,872	21,980
Orange	0	0	3,827	1,151
Putnam	0	0	74,733	27,839
Seminole	0	0	99,293	32,657
St. Johns	0	0	191,550	49,614
Volusia	0	0	508,913	184,723

GEORGIA	Yards of Debris (0)	Roof Units (0)	Population (731,888)	Households (235,151)
Appling	0	0	1,108	406
Brantley	0	0	16,170	5,436
Bryan	0	0	33,573	8,089
Bulloch	0	0	68,185	20,743
Camden	0	0	49,602	14,705
Charlton	0	0	10,802	3,342
Chatham	0	0	258,954	89,865
Effingham	0	0	54,219	13,151
Evans	0	0	11,936	3,778
Glynn	0	0	78,471	27,208
Liberty	0	0	60,111	19,383
Long	0	0	11,865	3,574
McIntosh	0	0	11,990	4,202
Pierce	0	0	8,294	2,713
Screven	0	0	15,440	5,797
Tattnall	0	0	9,243	2,774
Ware	0	0	1,763	660
Wayne	0	0	30,162	9,324

MASSACHUSETTS	Yards of Debris (0)	Roof Units (0)	Population (287,223)	Households (118,318)
Barnstable	0	0	221,015	94,822
Dukes	0	0	15,716	6,421
Nantucket	0	0	10,733	3,699
Plymouth	0	0	39,759	13,376

NORTH CAROLINA	Yards of Debris (471,476)	Roof Units (869)	Population (2,589,105)	Households (864,654)
Beaufort	14,967	28	46,963	18,324
Bertie	0	0	20,019	7,743
Bladen	2,228	4	32,577	12,897
Brunswick	52,861	97	113,235	30,438
Camden	0	0	10,301	2,662
Carteret	43,771	81	64,494	25,204
Chowan	0	0	14,807	5,580
Columbus	15,604	29	54,914	21,314
Craven	60,058	111	99,813	34,582
Cumberland	0	0	324,167	107,358
Currituck	3	0	24,830	6,902
Dare	22,038	41	34,007	12,690
Duplin	7,344	14	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	24,545	9,836
Harnett	0	0	33,983	9,942
Hertford	0	0	23,672	8,953
Hoke	0	0	46,265	11,373
Hyde	3,795	7	5,428	2,185
Johnston	0	0	174,426	46,595
Jones	7,053	13	10,288	4,061
Lenoir	0	0	57,180	23,862
Martin	0	0	23,823	10,020
Nash	0	0	95,531	33,644
New Hanover	118,411	218	199,320	68,183
Northampton	0	0	9,992	4,127
Onslow	83,572	154	172,836	48,122
Pamlico	8,992	17	12,853	5,178
Pasquotank	0	0	42,443	12,907
Pender	27,881	51	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
Scotland	0	0	37,059	13,399
Tyrrell	2,669	5	4,244	1,537
Washington	229	0	12,997	5,367
Wayne	0	0	115,330	42,612
Wilson	0	0	79,228	28,613

SOUTH CAROLINA	Yards of Debris (352,936)	Roof Units (650)	Population (1,924,638)	Households (625,205)
Allendale	0	0	10,678	3,915
Bamberg	0	0	15,647	6,123
Barnwell	0	0	2,165	841
Beaufort	5,362	10	163,013	45,532
Berkeley	31,588	58	175,573	49,922
Calhoun	0	0	15,660	5,917
Charleston	214,177	395	361,569	123,326
Chesterfield	0	0	818	310
Clarendon	0	0	34,508	11,812
Colleton	125	0	39,678	14,470
Darlington	0	0	67,389	25,793
Dillon	0	0	30,941	11,199
Dorchester	1,310	2	134,692	34,709
Florence	0	0	136,016	47,147
Georgetown	37,615	69	64,020	21,659
Hampton	0	0	21,122	7,444
Horry	62,748	116	279,365	81,782
Jasper	0	0	23,438	7,042
Lee	0	0	20,260	6,886
Marion	11	0	34,336	13,301
Marlboro	0	0	28,995	10,478
Orangeburg	0	0	91,486	34,118
Richland	0	0	31,800	10,037
Sumter	0	0	104,976	37,728
Williamsburg	0	0	36,494	13,714

VIRGINIA	Yards of Debris (0)	Roof Units (0)	Population (1,295,491)	Households (450,754)
Accomack	0	0	1,781	702
Chesapeake	0	0	223,279	69,900
Franklin City	0	0	8,556	3,384
Hampton	0	0	146,762	53,887
Isle of Wight	0	0	9,840	3,066
Newport News	0	0	28,734	11,025
Norfolk	0	0	236,947	86,210
Northampton	0	0	13,729	5,321
Poquoson	0	0	2,074	715
Portsmouth	0	0	99,998	38,170
Southampton	0	0	1,925	636
Suffolk	0	0	85,224	23,283
Virginia Beach	0	0	436,642	154,455

Critical Infrastructure

Summary			
Total Structures		785	
Power Requirements		36,178.3	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (29)	1.5	35 - 75	79.8
Cellular Towers (0)	0.0	35 - 75	0.0
FM Antennas (8)	0.4	35 - 75	22.0
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (67)	0.0	200 - 300	0.0
Public Schools (10)	3.0	200 - 300	750.0
Colleges and Universities (26)	0.5	200 - 300	130.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (5)	0.5	15 - 35	12.5
Emergency Medical Service (17)	1.7	15 - 35	42.5
Fire Stations (18)	1.8	15 - 35	45.0
Service Providers (2)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (19)	2.9	35 - 100	192.4
Hospitals (30)	9.0	800 - 2000	12,600.0
Urgent Care Facilities (57)	11.4	200 - 300	2,850.0
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 (15)	0.0	15 - 35	0.0
National Security Government Military Facilities (289)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (23)	4.6	400 - 600	2,300.0
Local Police (39)	3.9	15 - 35	97.5
State Police (13)	0.7	15 - 35	16.3
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (15)	3.0	15 - 40	82.5
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 (1)	0.1	100 - 200	15.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (0)	0.0	600 - 1200	0.0
Amtrak Stations (1)	0.0	100 - 300	0.0
Bus Stations (37)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (16)	0.0	100 - 300	0.0
Railroad Stations (1)	0.0	100 - 300	0.0
Public-Use Airports (17)	2.0	40 - 100	142.8

Water_Waster Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (1)	0.4	800 - 2000	560.0
Wastewater Treatment Plants (29)	11.6	800 - 2000	16,240.0

Report Generated by SimSuite

<http://simsuite.usace.army.mil/wab/v2.10/index.html?config=config-mission-models.json& 25=90>