



Hurricane Michael - Advisory #16

For Planning Purposes Only!

http://simsuite.usace.army.mil/wab/v2.9/index.html?config=config-mission-models.json&_25=53

Updated as of 10 Oct 2018 (12:01 PM Eastern Daylight Time)



Debris

4,763,285
cu. yd.

Florida 81% (3,880,053)

Georgia 16% (760,175)

Alabama 3% (123,056)



Temporary Roofing

17,813
units

Florida 54% (9,657)

Georgia 41% (7,351)

Alabama 5% (806)



Population

1,662,590
people

Georgia 49% (814,718)

Florida 42% (691,008)

Alabama 9% (156,863)



Households

569,296
households

Georgia 49% (279,077)

Florida 41% (232,318)

Alabama 10% (57,902)



Critical Infrastructure

Alabama

Florida

Georgia

(11) 15 - 35 kW

(19) 15 - 35 kW

(1) 15 - 40 kW

(2) 15 - 40 kW

(27) 35 - 75 kW

(22) 35 - 75 kW

(5) 35 - 100 kW

(11) 35 - 100 kW

(6) 40 - 100 kW

(3) 40 - 100 kW

(35) 200 - 300 kW

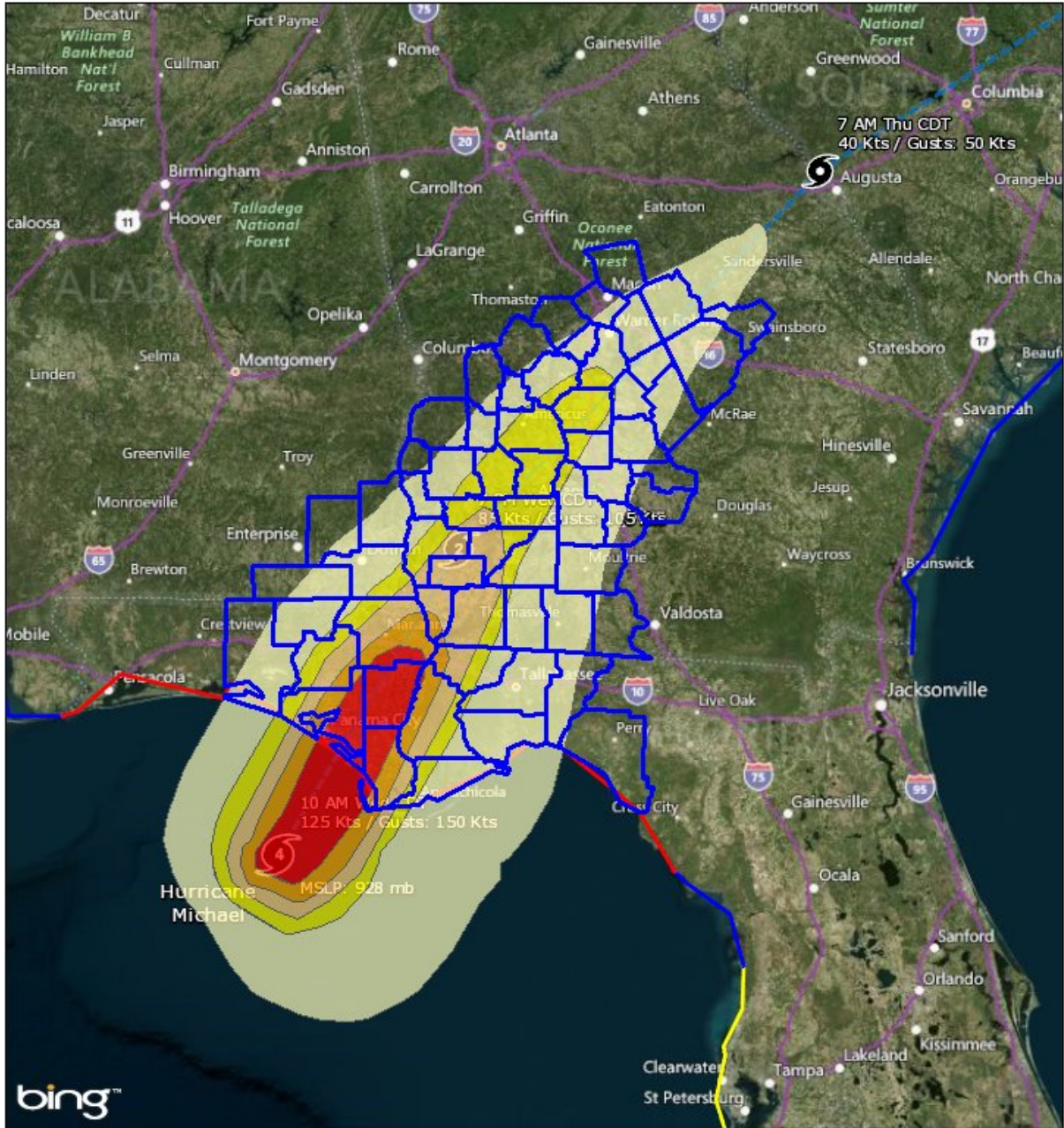
(31) 200 - 300 kW

(7) 400 - 600 kW

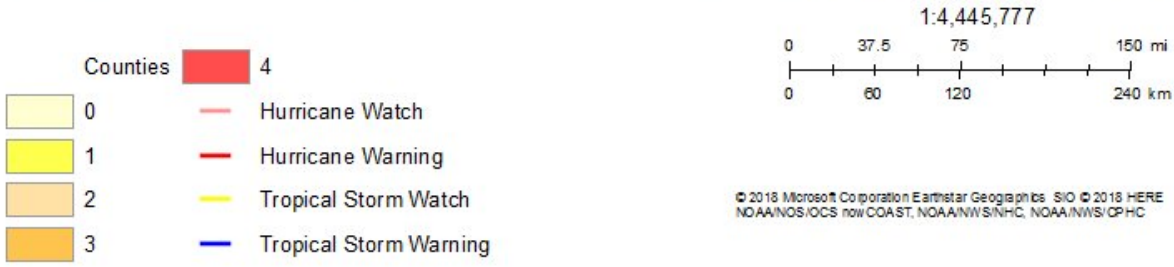
(5) 400 - 600 kW

(4) 800 - 2000 kW

(4) 800 - 2000 kW



bing™



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.

Summary	
Total Counties	62
Debris (cu. yd.)	4,763,285
Temporary Roofing (units)	17,813
Population	1,662,589.592
Households	569,296.32

Population Distribution	
Tropical Storm	698,057
Category 1	218,382
Category 2	89,909
Category 3	82,858
Category 4	93,241

ALABAMA	Yards of Debris (123,056)	Roof Units (806)	Population (156,863)	Households (57,902)
Dale	6,892	0	12,885	5,051
Geneva	14,297	0	26,158	10,477
Henry	8,904	0	16,876	6,525
Houston	92,963	806	100,944	35,849

FLORIDA	Yards of Debris (3,880,053)	Roof Units (9,657)	Population (691,008)	Households (232,318)
Bay	2,554,341	4,830	169,145	59,229
Calhoun	307,026	138	14,061	4,468
Franklin	8,583	71	12,090	4,095
Gadsden	139,152	1,187	32,583	10,390
Gulf	202,062	431	15,409	4,647
Holmes	9,583	6	19,188	6,870
Jackson	391,842	1,894	47,861	15,501
Jefferson	6,407	0	14,782	4,695
Leon	139,531	226	273,581	96,528
Liberty	34,005	237	6,996	1,889
Taylor	286	0	640	209
Wakulla	11,705	5	33,299	8,449
Walton	12,588	12	31,271	8,928
Washington	62,943	621	20,102	6,419

GEORGIA	Yards of Debris (760,175)	Roof Units (7,351)	Population (814,718)	Households (279,077)
Baker	17,288	197	4,004	1,514
Ben Hill	1,293	0	2,502	947
Bibb	27,519	0	52,657	20,166
Bleckley	5,966	0	12,856	4,372
Brooks	517	0	1,015	379
Calhoun	11,825	157	6,065	1,907
Clay	1,880	5	3,007	1,249
Colquitt	21,145	0	45,526	15,495
Crawford	760	0	1,657	557
Crisp	27,509	467	22,247	8,337
Decatur	99,050	1,091	27,466	9,598
Dodge	9,637	0	19,864	7,062
Dooly	12,898	219	11,499	3,909
Dougherty	96,193	1,610	75,668	28,266
Early	28,775	366	9,845	3,973
Grady	12,788	23	25,276	8,797
Houston	78,768	664	139,553	40,911
Irwin	538	0	1,104	394
Johnson	814	0	1,809	596
Jones	355	0	843	260
Laurens	9,535	0	19,621	6,987
Lee	27,153	461	34,148	8,229
Macon	9,257	77	13,441	4,834
Marion	687	0	1,332	504
Miller	28,399	324	6,135	2,487
Mitchell	21,399	211	24,961	8,345
Peach	11,512	0	26,953	8,436
Pulaski	4,650	0	9,849	3,407
Quitman	92	0	173	68
Randolph	5,019	35	6,898	2,796
Schley	1,981	6	3,960	1,301
Seminole	57,695	498	9,329	3,573
Stewart	285	0	492	209
Sumter	39,679	673	32,475	12,025
Taylor	447	0	876	327
Terrell	13,205	224	10,526	4,002
Thomas	22,256	0	45,653	16,309
Tift	18,994	0	42,577	13,919
Turner	4,688	0	9,161	3,435
Twiggs	5,229	0	10,181	3,832
Webster	1,194	3	1,965	809
Wilcox	3,801	0	8,747	2,785

Wilkinson	5,222	0	10,064	3,827
Worth	12,278	42	20,738	7,945

Critical Infrastructure

Summary	
Total Structures	1,371
Power Requirements	48,594.8

Range (kW)	# Cat 1	# Cat 2	# Cat 3	# Cat 4
15 - 35	17.7	8.2	5.0	4.5
15 - 40	2.6	1.2	0.4	0.4
35 - 75	24.3	10.3	9.5	9.1
35 - 100	9.2	3.4	2.4	2.1
40 - 100	3.5	1.9	1.9	1.9
200 - 300	33.0	12.6	11.9	10.2
400 - 600	5.2	3.8	1.8	1.8
800 - 2000	4.0	1.5	1.4	2.4

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (20)	1.0	35 - 75	55.0
Cellular Towers (81)	48.6	35 - 75	2,673.0
FM Antennas (72)	3.6	35 - 75	198.0

Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (35)	0.0	200 - 300	0.0
Public Schools (221)	66.3	200 - 300	16,575.0
Colleges and Universities (11)	0.2	200 - 300	55.0

Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (106)	10.6	15 - 35	265.0
Fire Stations (198)	19.8	15 - 35	495.0
Service Providers (0)	0.0	0 - 0	0.0

Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (114)	17.1	35 - 100	1,154.2
Hospitals (19)	5.7	800 - 2000	7,980.0
Urgent Care Facilities (8)	1.6	200 - 300	400.0

Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (1)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (9)	0.0	15 - 35	0.0
National Security Government Military Facilities (115)	0.0	15 - 35	0.0

Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (63)	12.6	400 - 600	6,300.0
Local Police (47)	4.7	15 - 35	117.5
State Police (11)	0.6	15 - 35	13.8
Correctional Facilities (65)	13.0	400 - 600	6,500.0

State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (23)	4.6	15 - 40	126.5
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 (1)	0.0	100 - 300	0.0
Bus Stations (15)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (7)	0.0	100 - 300	0.0
Railroad Stations (1)	0.0	100 - 300	0.0
Public-Use Airports (77)	9.2	40 - 100	646.8

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

Report Generated by SimSuite

http://simsuite.usace.army.mil/wab/v2.9/index.html?config=config-mission-models.json&_25=53