

Hurricane Henri Advisory #18

For Planning Purposes Only!

WASHINGTON, DC 09:02:47 20 Aug 2021

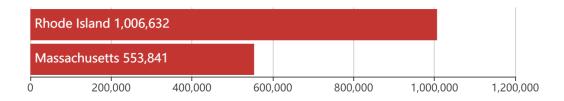
CHICAGO 08:02:47 20 Aug 2021 LOS ANGELES 06:02:47 20 Aug 2021

https://go.usa.gov/xFAC9

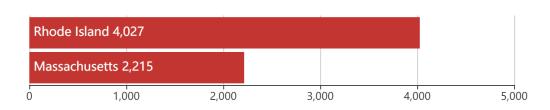
Updated as of 20 Aug 2021 (8:02 AM Central Daylight Time)

Debris

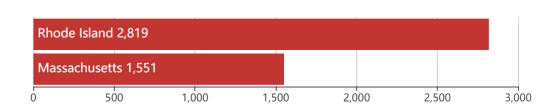




Est. Temp. Roofing 6.2K



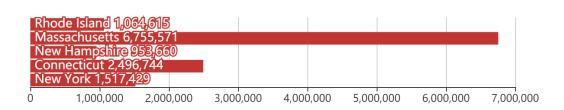
Act. Temp. Roofing 4.4K units



Population

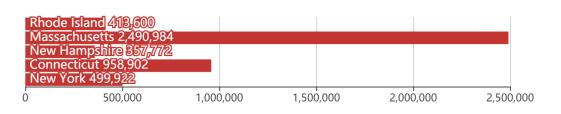






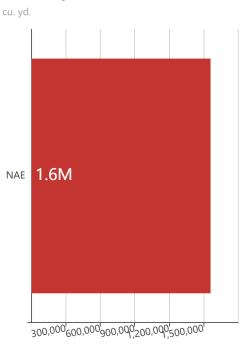
Households



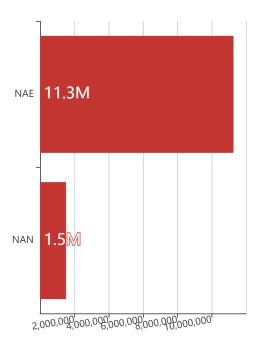


Mission Model Summary

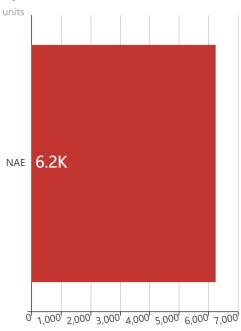
Debris By USACE District



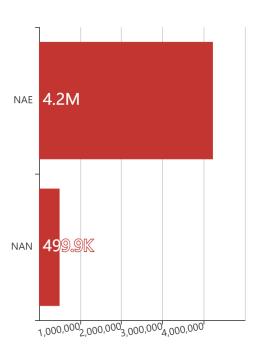
Population By USACE District



Est. Temp. Roofing By USACE District



Households By USACE District



Critical Infrastructure Summary

Total

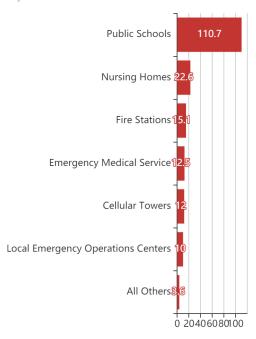


Power Requirements



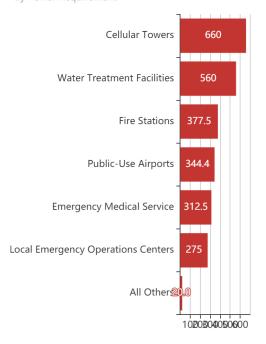
Generators

By Generator Count



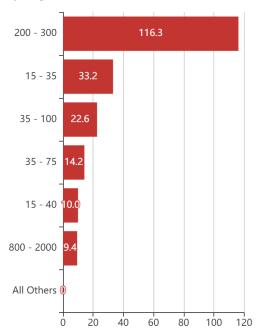
Generators

By Power Requirement



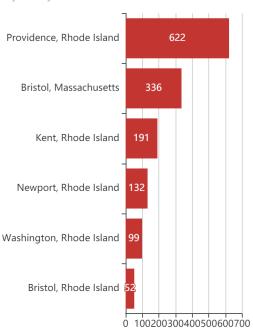
Generators

By Range



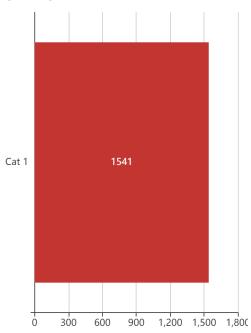
Structures

By County



Structures

By Intensity

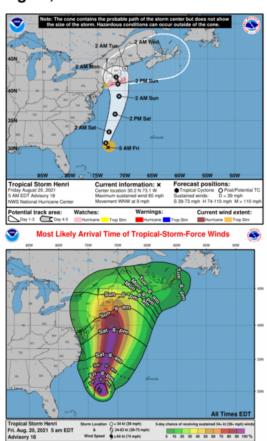




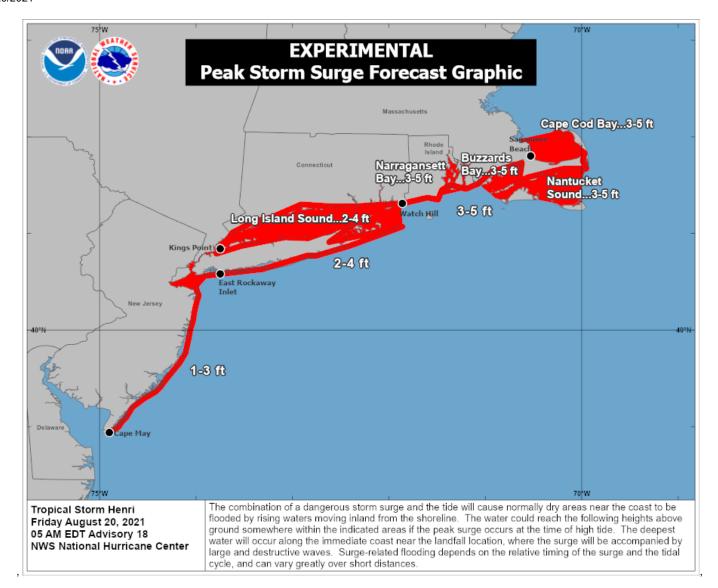
Key Messages for Tropical Storm Henri Advisory 18: 5:00 AM EDT Fri Aug 20, 2021

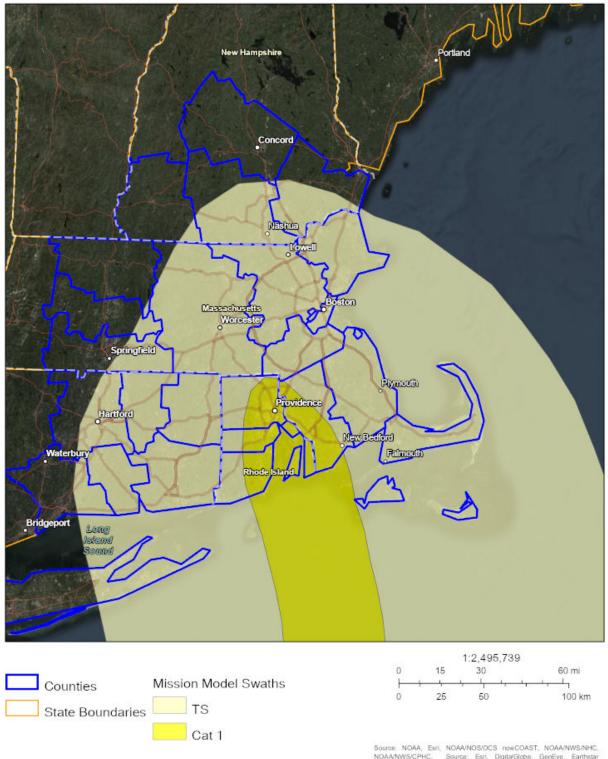


- 1. Henri is forecast to be near the northeast coast of the U.S. on Sunday and Monday, and the risks of storm surge, wind, and rain impacts in portions of southern New England and eastern Long Island are increasing. Hurricane and storm surge watches are now in effect for portions of Long Island, Connecticut, Rhode Island, and southeastern Massachusetts. Additional watches or warnings may be required later today.
- 2. Swells from Henri will begin to reach much of the east coast of the U.S. and Atlantic Canada by the end of the week and continue through the weekend. These swells could cause life-threatening surf and rip currents.
- 3. Heavy rainfall may lead to flash, urban, and small stream flooding over portions of southern New England Sunday into Monday.



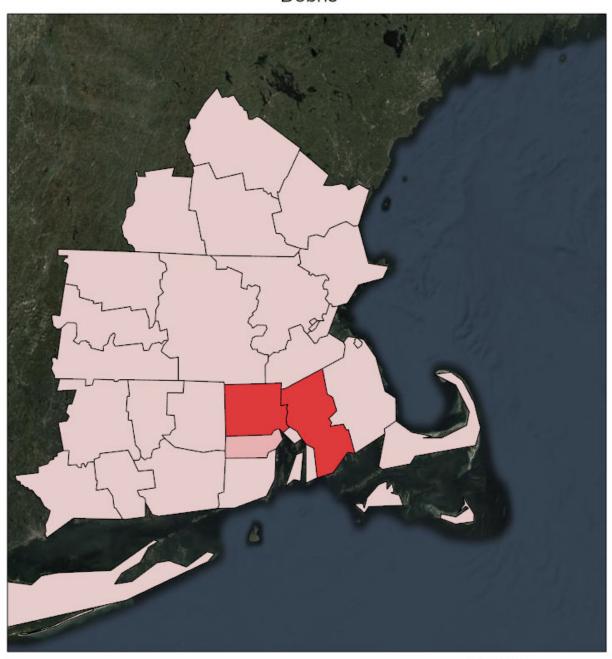
For more information go to hurricanes.gov



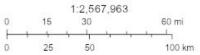


Source: NOAA, Esri, NOAA/NOS/OCS nowCOAST, NOAA/NWS/NHC, NOAA/NWS/CPHC. Source: Esri, Digital/Globe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Town of Dedham, Esri Canada, Esri, HERE, Garmin,

Debris

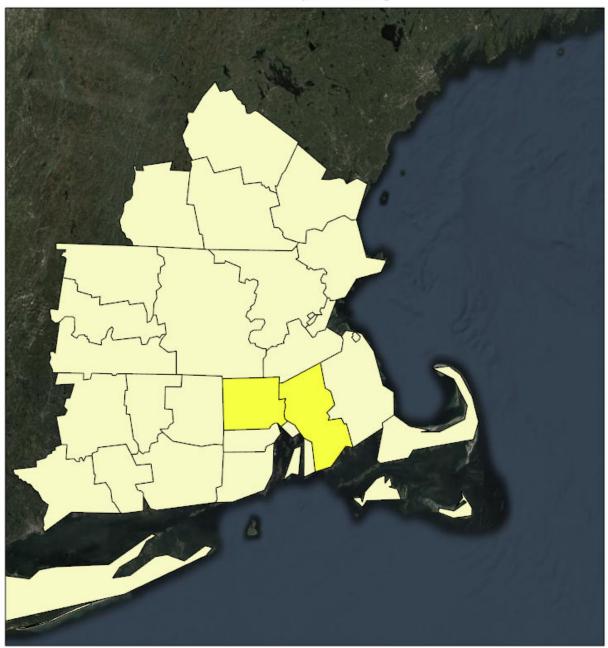






Source: Esrl, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

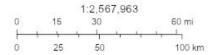
Est. Temp. Roofing



Est. Temp. Roofing

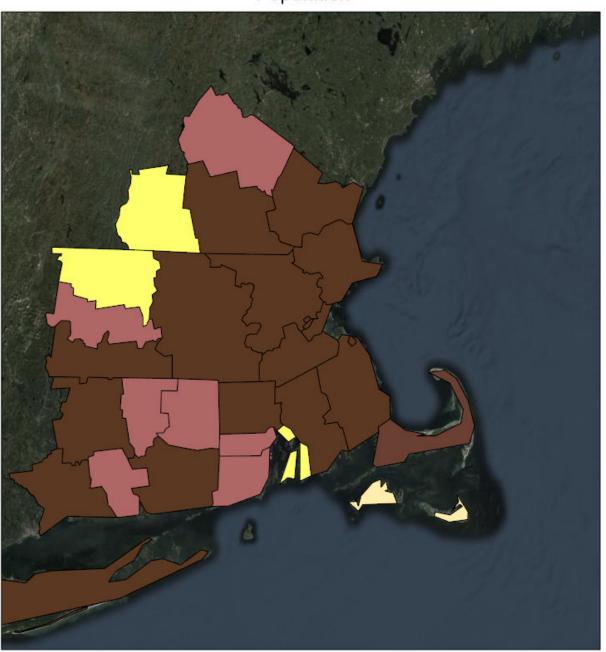
< 2,000 units

2,000 - 3,999 units



Source: Esrl, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Population



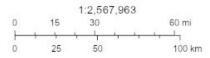


< 25,000 persons

25,000 - 99,000 persons

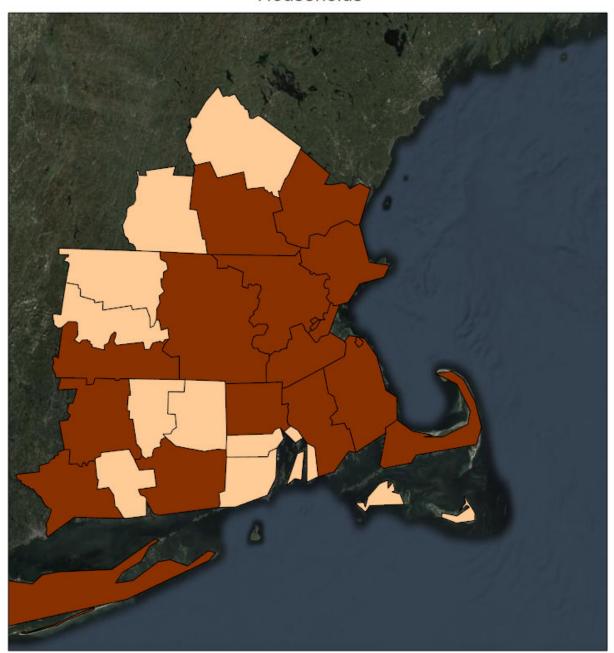
100,000 - 174,999 persons

175,000 - 249,000 persons



Source: Esri, Digital Globe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Households

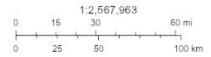




< 7,500 Households

15,000 - 24,999 Households

25,000 - 49,999 Households



Source: Esri, Digital Globe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

COVID-19

#	County	Cases
1	Suffolk	209,612
2	Middlesex	140,492
3	Providence	101,727
4	Essex	100,570
5	Suffolk	96,710
6	New Haven	96,149
7	Hartford	88,426
8	Worcester	80,012
9	Bristol	69,793
10	Norfolk	57,069
11	Hampden	54,738
12	Plymouth	51,269
13	Hillsborough	37,570
14	Rockingham	25,290
15	New London	23,715
16	Kent	19,343
17	Barnstable	14,975
18	Middlesex	13,468
19	Windham	11,315
20	Washington	10,554
21	Tolland	10,062
22	Merrimack	10,057
23	Hampshire	9,471
24	Newport	7,309
25	Bristol	5,318
26	Cheshire	4,109
27	Franklin	2,704
28	Dukes	0
29	Nantucket	0

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	29
Debris (cu. yd.)	1,560,473
Est. Temp. Roofing (units)	6,242
Act. Temp. Roofing (units)	4,369
Population	12,788,019
Households	4,721,180

Population Distribution	
Tropical Storm	8,896,987
Category 1	1,561,432

CONNECTICUT	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (2,496,744)	Households (958,902)
Hartford	0	0	0	906,357	350,854
Middlesex	0	0	0	166,528	67,202
New Haven	0	0	0	873,829	334,502
New London	0	0	0	276,496	107,057
Tolland	0	0	0	154,772	54,477
Windham	0	0	0	118,762	44,810

MASSACHUSETTS	Yds of Debris (553,841)	Est. Roof Units (2,215)	Act. Roof Units (1,551)	Population (6,755,571)	Households (2,490,984)
Barnstable	0	0	0	223,733	95,755
Bristol	553,826	2,215	1,551	564,846	213,010
Dukes	15	0	0	17,359	7,368
Essex	0	0	0	787,418	285,956
Franklin	0	0	0	70,837	30,462
Hampden	0	0	0	476,058	179,927
Hampshire	0	0	0	164,464	58,702
Middlesex	0	0	0	1,602,184	580,688
Nantucket	0	0	0	10,720	4,229
Norfolk	0	0	0	702,913	257,914
Plymouth	0	0	0	523,823	181,126
Suffolk	0	0	0	774,572	292,767
Worcester	0	0	0	836,644	303,080

NEW HAMPSHIRE	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (953,660)	Households (357,772)
Cheshire	0	0	0	76,576	30,204
Hillsborough	0	0	0	416,672	155,466
Merrimack	0	0	0	151,549	57,069
Rockingham	0	0	0	308,863	115,033

NEW YORK	Yds of Debris (0)	Est. Roof Units (0)	Act. Roof Units (0)	Population (1,517,429)	Households (499,922)
Suffolk	0	0	0	1,517,429	499,922

RHODE ISLAND	Yds of Debris (1,006,632)	Est. Roof Units (4,027)	Act. Roof Units (2,819)	Population (1,064,615)	Households (413,600)
Bristol	49,790	199	139	49,181	19,150
Kent	178,477	714	500	166,449	68,645
Newport	90,769	363	254	83,346	34,911
Providence	628,464	2,514	1,760	639,055	241,717
Washington	59,132	237	166	126,584	49,177

Critical Infrastructure

Summary	
Total Critical Facilities	1,541
Power Requirements (kW)	47,669.3

Range (kW)

Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (16)	0.8	35 - 75	44.0
Cellular Towers (20)	12.0	35 - 75	660.0
FM Antennas (28)	1.4	35 - 75	77.0

Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (184)	0.0	200 - 300	0.0
Public Schools (369)	110.7	200 - 300	27,675.0
Colleges and Universities (29)	0.6	200 - 300	145.0

Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (125)	12.5	15 - 35	312.5
Fire Stations (151)	15.1	15 - 35	377.5
Service Providers (0)	0.0	0 - 0	0.0

Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (151)	22.6	35 - 100	1,528.9
Hospitals (22)	6.6	800 - 2000	9,240.0
Urgent Care Facilities (25)	5.0	200 - 300	1,250.0

Military	# FED Gen Req	Range (kW)	Req kW
Air National Guard (ANG) Sites (2)	0.0	15 - 35	0.0
Army National Guard (ARNG) Sites (21)	0.0	15 - 35	0.0
National Security Government Military Facilities (136)	0.0	15 - 35	0.0

Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (15)	3.0	400 - 600	1,500.0
Local Police (50)	5.0	15 - 35	125.0
State Police (8)	0.4	15 - 35	10.0
Correctional Facilities (0)	0.0	400 - 600	0.0

State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (50)	10.0	15 - 40	275.0
State Emergency Operation Centers (EOCs) (1)	0.2	15 - 35	5.0

State Facilities	# FED Gen Req	Range (kW)	Req kW
Governors Mansion (0)	0.0	100 - 200	0.0
Major State Government Building (12)	1.2	100 - 200	180.0

Transportation	# FED Gen Req	Range (kW)	Req kW
Ports (33)	0.0	600 - 1200	0.0
Amtrak Stations (2)	0.0	100 - 300	0.0
Bus Stations (34)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (5)	0.0	100 - 300	0.0
Railroad Stations (4)	0.0	100 - 300	0.0
Public-Use Airports (41)	4.9	40 - 100	344.4

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (1)	0.4	800 - 2000	560.0
Wastewater Treatment Plants (6)	2.4	800 - 2000	3,360.0

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