



US Army Corps of Engineers
BUILDING STRONG®

Hurricane Henri 26

For Planning Purposes Only!

WASHINGTON, DC
06:22:11
22 Aug 2021

CHICAGO
05:22:11
22 Aug 2021

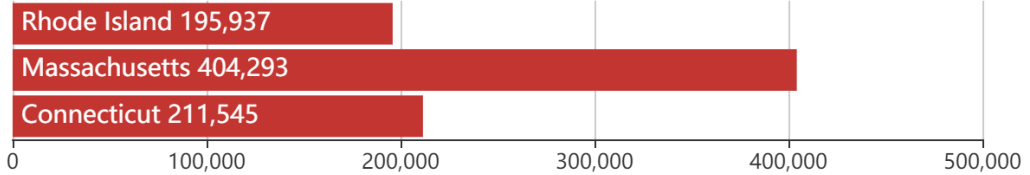
LOS ANGELES
03:22:11
22 Aug 2021

<https://go.usa.gov/xFsez>

Updated as of 22 Aug 2021 (5:22 AM Central Daylight Time)

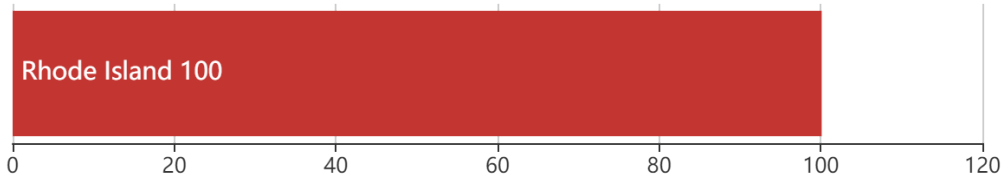
Debris

811.8K
cu. yd.



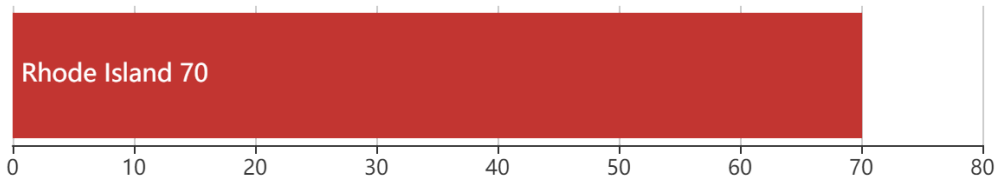
Est. Temp. Roofing

100
units



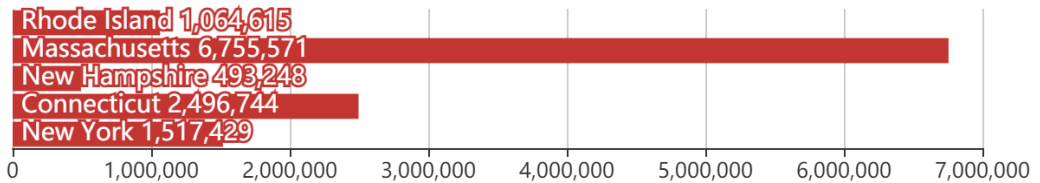
Act. Temp. Roofing

70
units



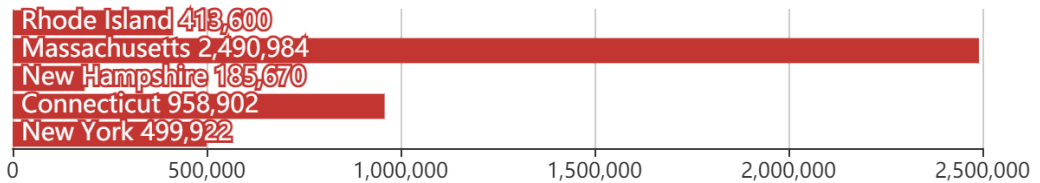
Population

12.3M
people



Households

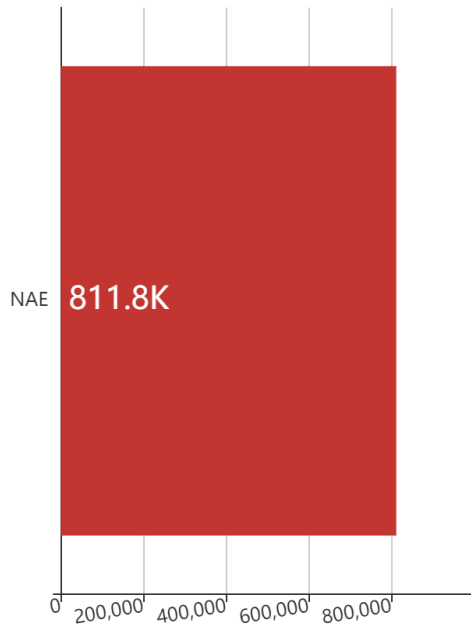
4.5M
households



Mission Model Summary

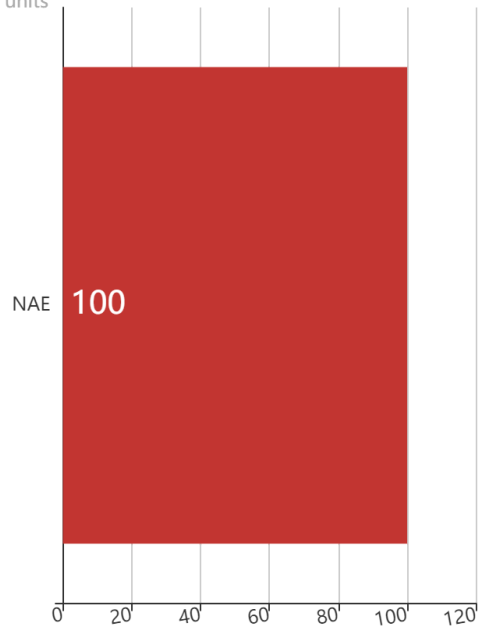
Debris By USACE District

cu. yd.

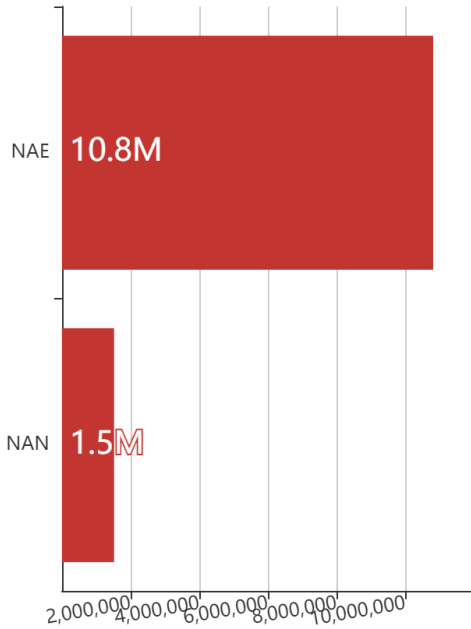


Est. Temp. Roofing By USACE District

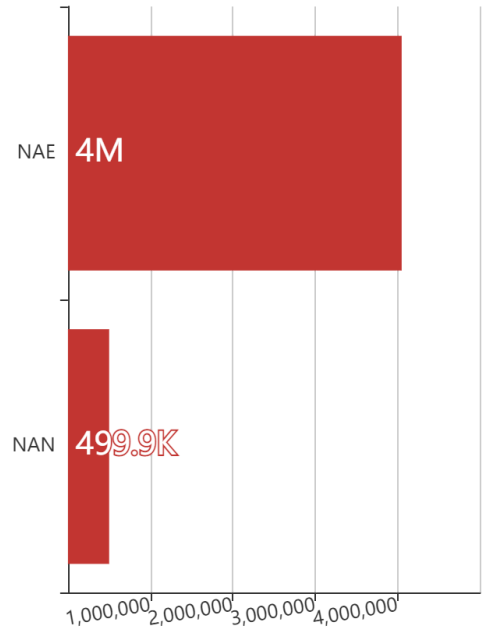
units



Population By USACE District



Households By USACE District



Critical Infrastructure Summary

Total

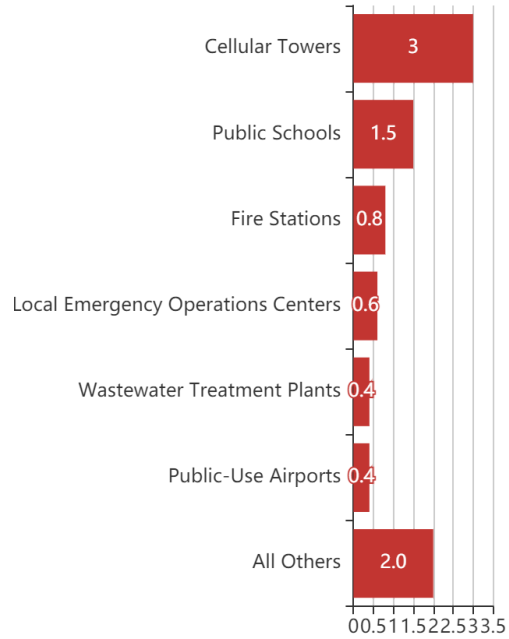


Power Requirements



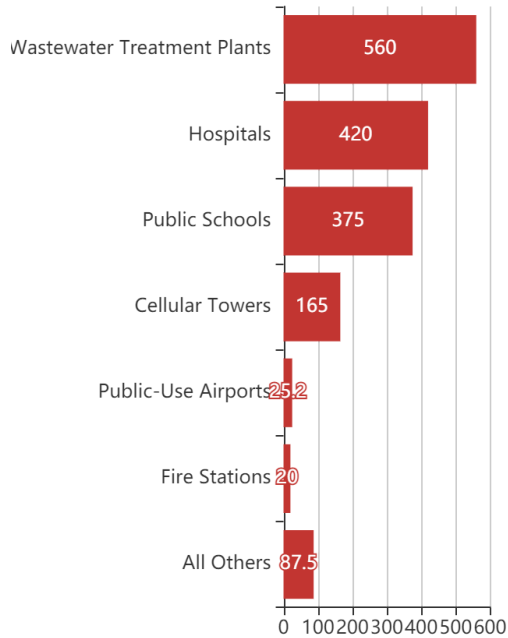
Generators

By Generator Count



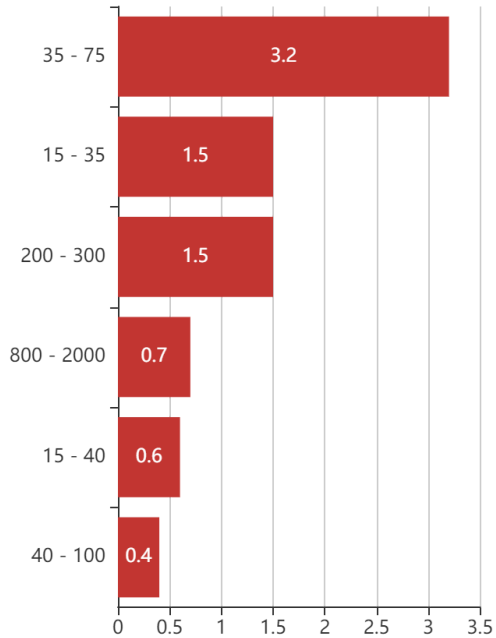
Generators

By Power Requirement



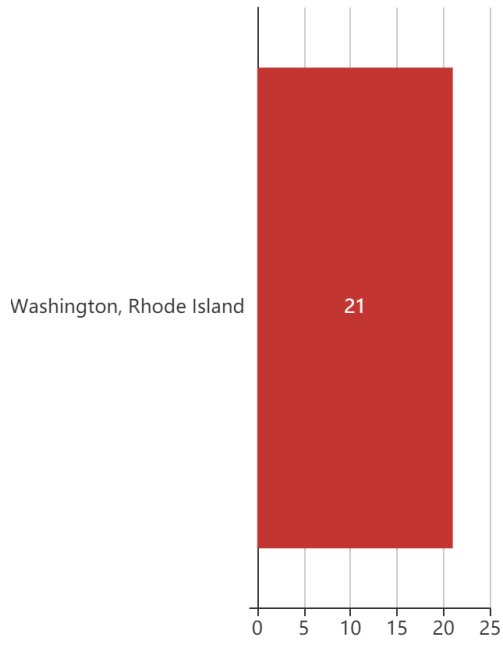
Generators

By Range



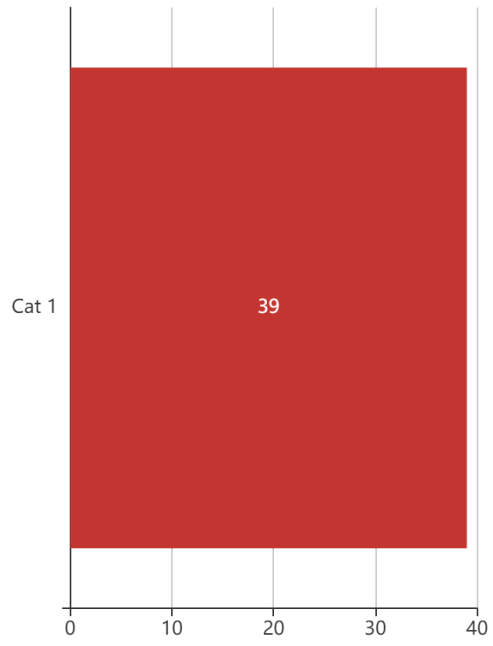
Structures

By County



Structures

By Intensity



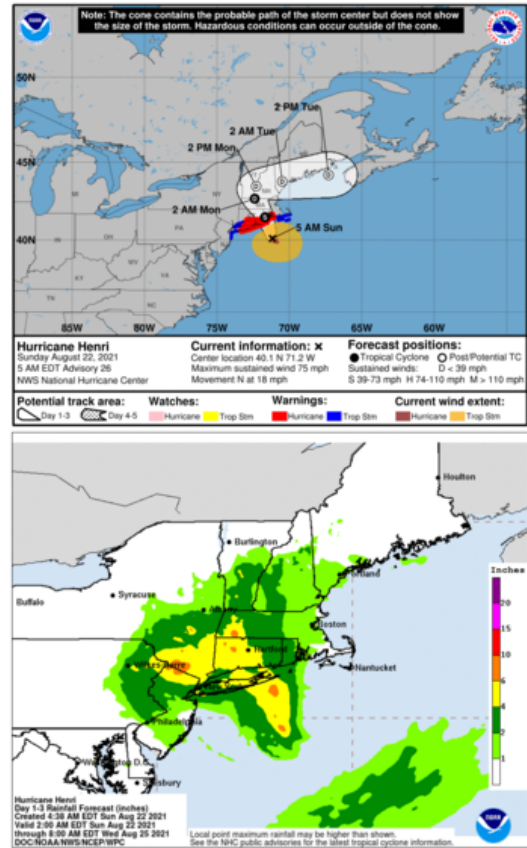


Key Messages for Hurricane Henri

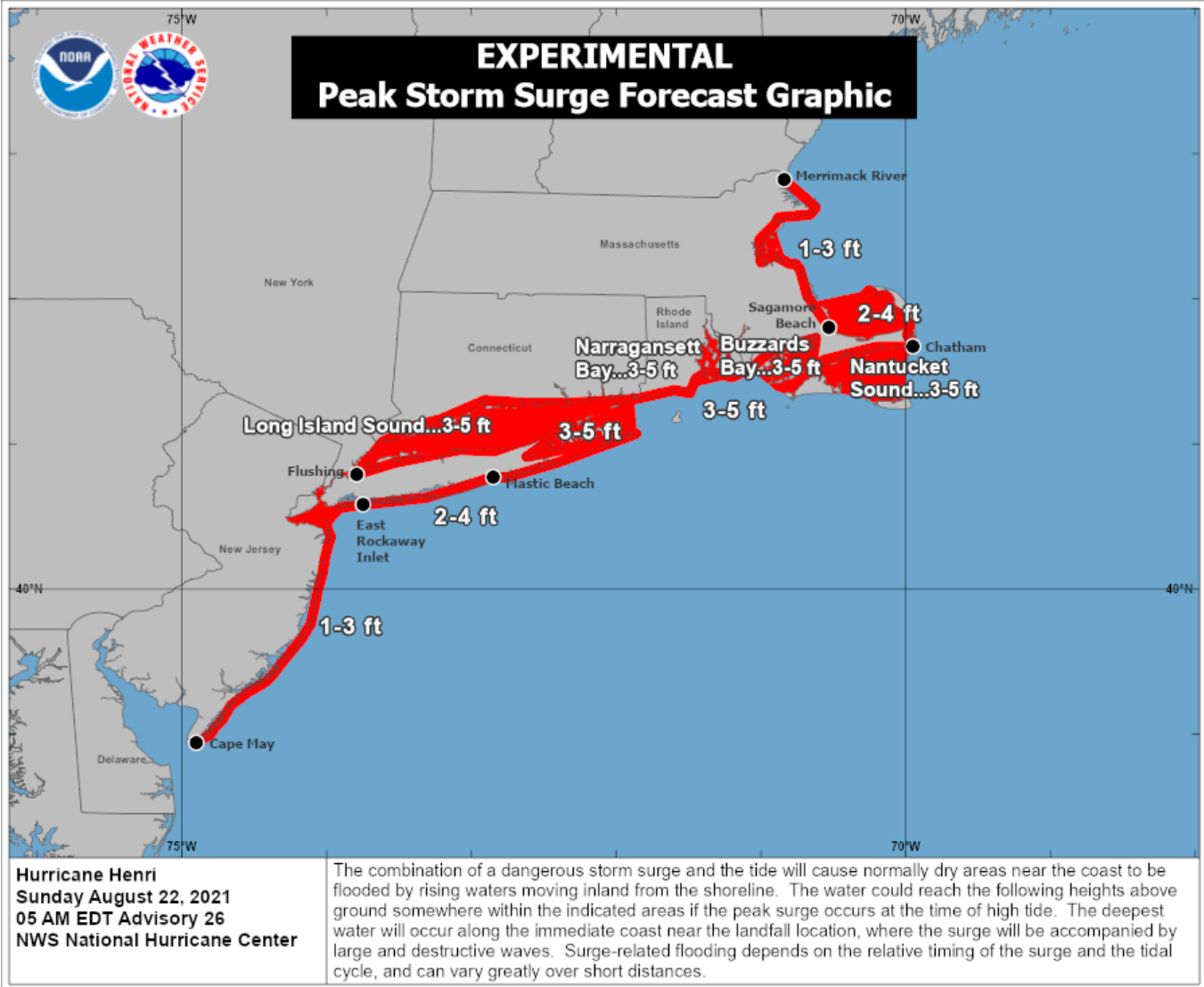
Advisory 26: 5:00 AM EDT Sun Aug 22, 2021

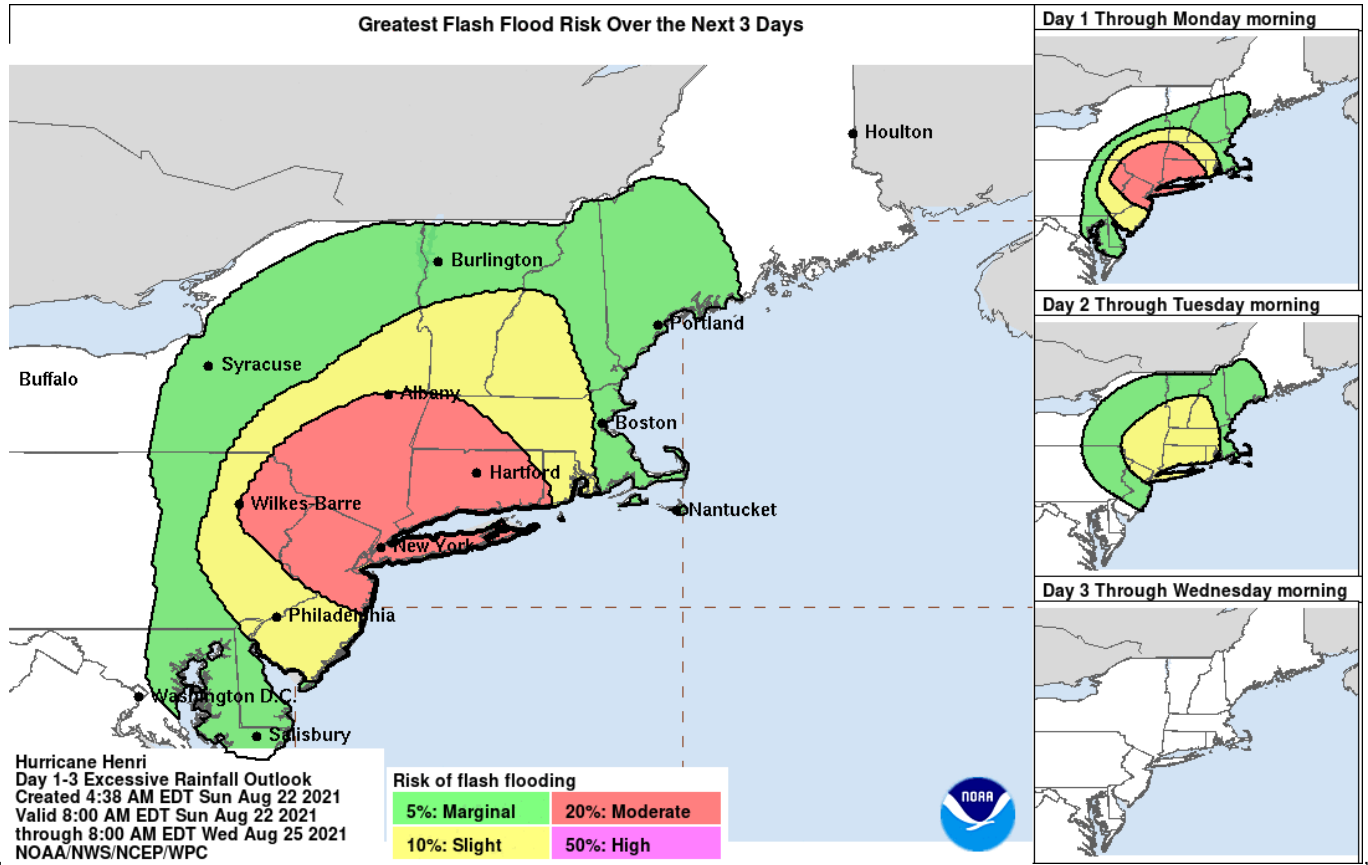


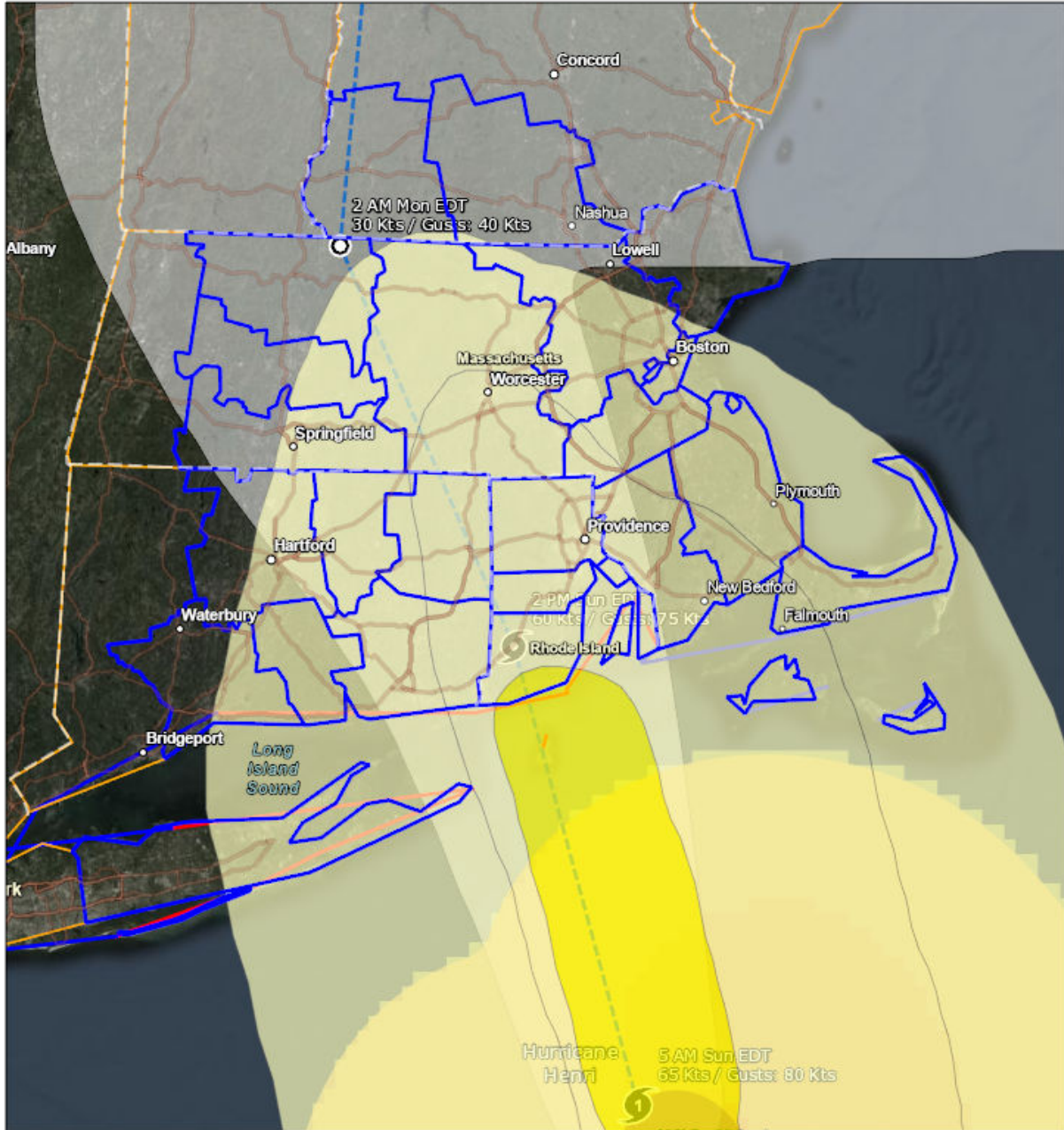
1. Dangerous storm surge inundation is expected to begin this morning in portions of Long Island, Connecticut, Rhode Island, and southeastern Massachusetts, where a Storm Surge Warning has been issued. Residents in these areas should follow any advice given by local officials.
2. Hurricane conditions are expected to begin this morning in portions of Long Island, Connecticut, and Rhode Island, where a Hurricane Warning is in effect. Tropical storm conditions will begin in these areas within the next couple of hours.
3. Heavy rainfall may lead to considerable flash, urban, and small stream flooding, along with the potential for widespread minor to isolated moderate river flooding over portions of Long Island, New England, eastern New York and New Jersey.
4. Swells from Henri will continue to affect much of the east coast of the U.S. during the next day or so. These swells could cause life-threatening surf and rip currents.



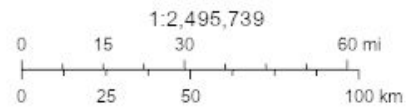
For more information go to hurricanes.gov







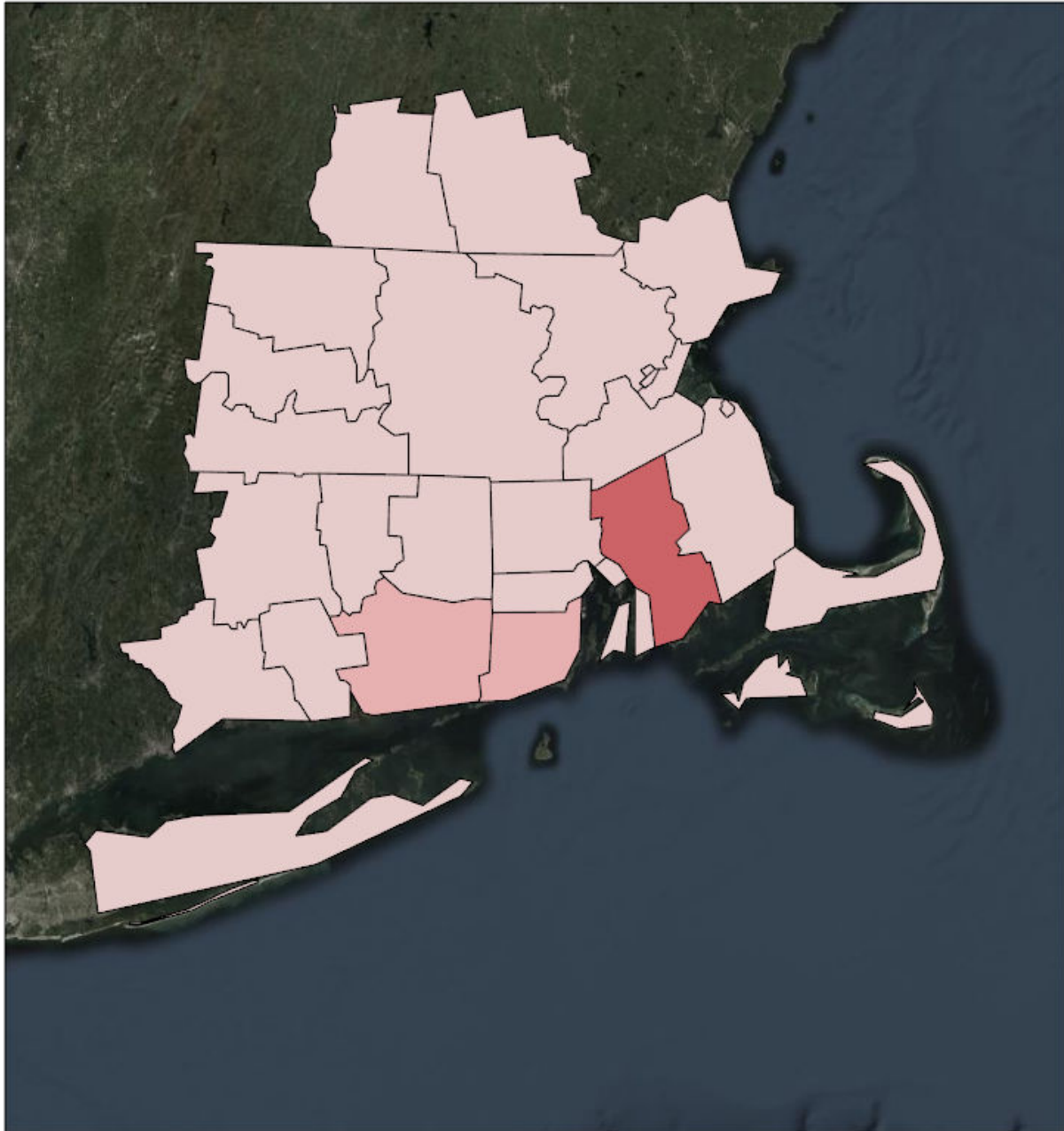
- Counties
- State Boundaries
- Mission Model Swaths
- TS
- Cat 1
- Tropical Cyclone Observed Surface Wind Swath
- Observed (Best Track) Winds \geq 34 knots (39 mph)



Esri Canada, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS, Source: NOAA, Esri, NOAA/NOS/OCs nowCOAST, NOAA/NWS/NHC, NOAA/NWS/CPHC, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

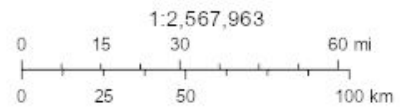
Created by SimSuite

Debris



Debris

- < 100,000 cubic yards
- 100,000 - 249,000 cubic yards
- 250,000 - 499,999 cubic yards



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

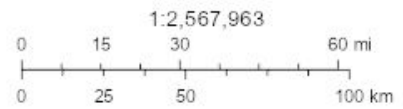
Created by SimSuite

Est. Temp. Roofing



Est. Temp. Roofing

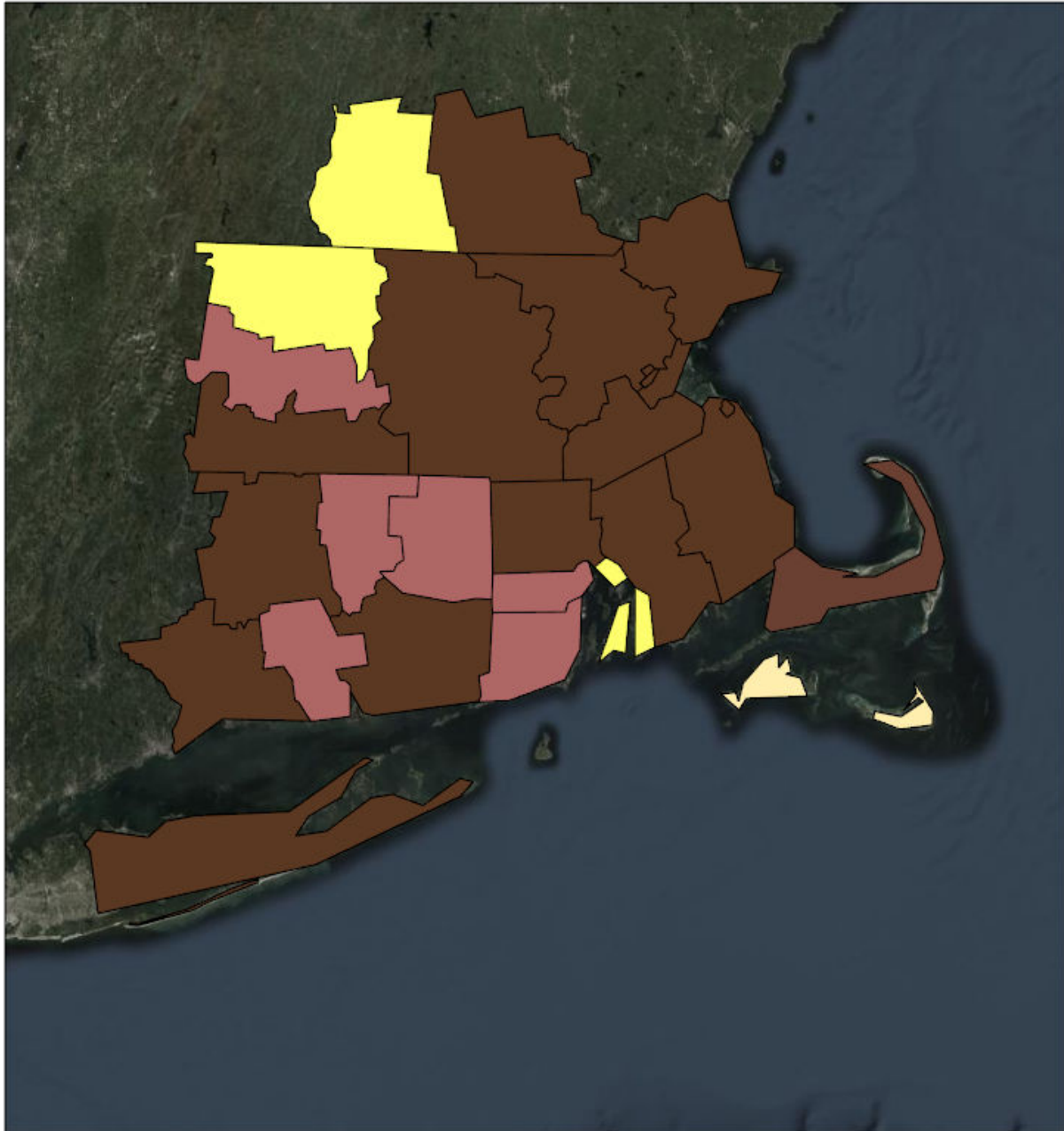
< 2,000 units



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

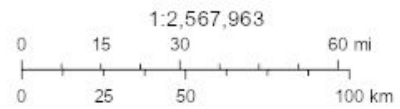
Created by SimSuite

Population



Population

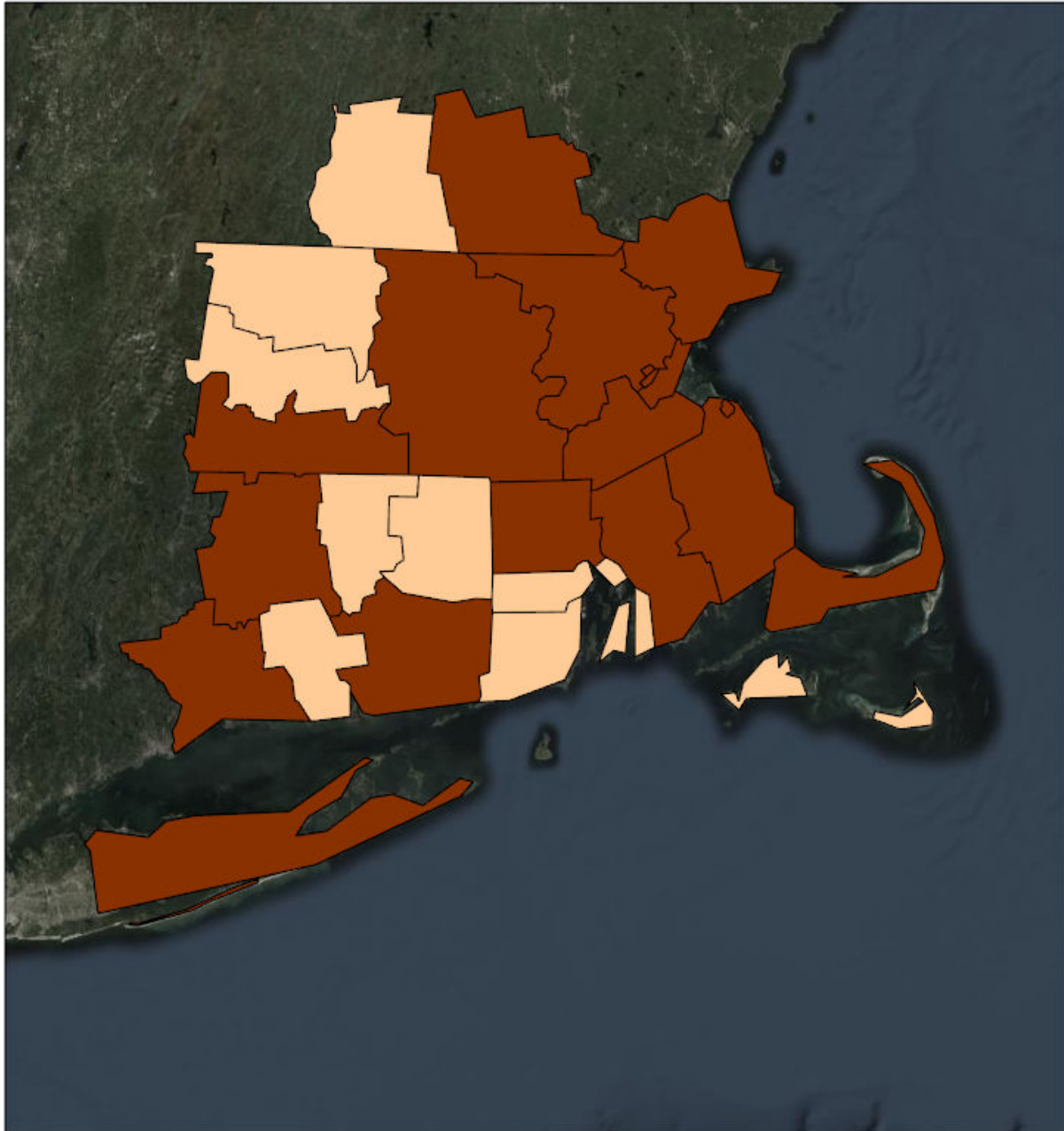
- < 25,000 persons
- 25,000 - 99,000 persons
- 100,000 - 174,999 persons
- 175,000 - 249,000 persons



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

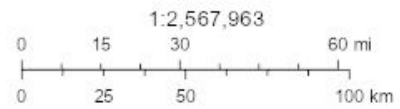
Created by SimSuite

Households



Households

- < 7,500 Households
- 15,000 - 24,999 Households
- 25,000 - 49,999 Households



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

Created by SimSuite

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	27
Debris (cu. yd.)	811,774
Est. Temp. Roofing (units)	100
Act. Temp. Roofing (units)	70
Population	12,327,607
Households	4,549,078

Population Distribution	
Tropical Storm	10,002,997
Category 1	24,778

CONNECTICUT	Yds of Debris (211,545)	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	211,545	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 (404,293)	Est. Roof Units (0)	Act. Roof Units (0)	Population (6,755,571)	Households (2,490,984)
Barnstable	0	0	0	223,733	95,755
Bristol	404,293	0	0	564,846	213,010
Dukes	0	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 (493,248)	Households (185,670)
Cheshire	0	0	0	76,576	30,204
Hillsborough	0	0	0	416,672	155,466

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 (195,937)	Est. Roof Units (100)	Act. Roof Units (70)	Population (1,064,615)	Households (413,600)
Bristol	0	0	0	49,181	19,150
Kent	0	0	0	166,449	68,645
Newport	68,076	0	0	83,346	34,911
Providence	0	0	0	639,055	241,717
Washington	127,860	100	70	126,584	49,177

COVID-19

#	County	Cases
1	Suffolk	210,935
2	Middlesex	141,256
3	Providence	102,857
4	Essex	101,029
5	Suffolk	97,190
6	New Haven	96,671
7	Hartford	88,969
8	Worcester	80,488
9	Bristol	70,305
10	Norfolk	57,396
11	Hampden	55,218
12	Plymouth	51,580
13	Hillsborough	37,783
14	New London	23,907
15	Kent	19,560
16	Barnstable	15,043
17	Middlesex	13,534
18	Windham	11,348
19	Washington	10,725
20	Tolland	10,121
21	Hampshire	9,525
22	Newport	7,434
23	Bristol	5,352
24	Cheshire	4,145
25	Franklin	2,728
26	Dukes	0
27	Nantucket	0

Critical Infrastructure

Summary			
Total Critical Facilities		39	
Power Requirements (kW)		1,607.5	
Range (kW)			
Communications	# FED Gen Req	Range (kW)	Req kW
AM Antennas (0)	0.0	35 - 75	0.0
Cellular Towers (5)	3.0	35 - 75	165.0
FM Antennas (3)	0.2	35 - 75	8.3
Education	# FED Gen Req	Range (kW)	Req kW
Private Schools (2)	0.0	200 - 300	0.0
Public Schools (5)	1.5	200 - 300	375.0
Colleges and Universities (0)	0.0	200 - 300	0.0
Emergency Services	# FED Gen Req	Range (kW)	Req kW
911 Call Centers (0)	0.0	15 - 35	0.0
Emergency Medical Service (4)	0.4	15 - 35	10.0
Fire Stations (8)	0.8	15 - 35	20.0
Service Providers (0)	0.0	0 - 0	0.0
Healthcare	# FED Gen Req	Range (kW)	Req kW
Nursing Homes (0)	0.0	35 - 100	0.0
Hospitals (1)	0.3	800 - 2000	420.0
Urgent Care Facilities (0)	0.0	200 - 300	0.0
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 (0)	0.0	15 - 35	0.0
National Security Government Military Facilities (1)	0.0	15 - 35	0.0
Law Enforcement	# FED Gen Req	Range (kW)	Req kW
Prison Points (0)	0.0	400 - 600	0.0
Local Police (3)	0.3	15 - 35	7.5
State Police (0)	0.0	15 - 35	0.0
Correctional Facilities (0)	0.0	400 - 600	0.0
State and Local EOC	# FED Gen Req	Range (kW)	Req kW
Local Emergency Operations Centers (3)	0.6	15 - 40	16.5
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 (0)	0.0	600 - 1200	0.0
Amtrak Stations (0)	0.0	100 - 300	0.0
Bus Stations (0)	0.0	100 - 300	0.0
Intermodal Terminal Facilities (0)	0.0	100 - 300	0.0
Railroad Stations (0)	0.0	100 - 300	0.0
Public-Use Airports (3)	0.4	40 - 100	25.2

Water	# FED Gen Req	Range (kW)	Req kW
Water Treatment Facilities (0)	0.0	800 - 2000	0.0
Wastewater Treatment Plants (1)	0.4	800 - 2000	560.0

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