



# Hurricane Douglas Adv. 17

For Planning Purposes Only!

WASHINGTON, DC  
15:45:45  
24 Jul 2020

CHICAGO  
14:45:45  
24 Jul 2020

LOS ANGELES  
12:45:45  
24 Jul 2020

[https://simsuite.usace.army.mil/wab/v2.14/index.html?config=config-2.json&\\_65=101](https://simsuite.usace.army.mil/wab/v2.14/index.html?config=config-2.json&_65=101)

Updated as of 24 Jul 2020 (2:45 PM Central Daylight Time)



Debris

587,677  
cu. yd.

HAWAII 100% (587,677)



Temporary Roofing

1,083  
units

HAWAII 100% (1,083)



Population

1,175,299  
people

HAWAII 100% (1,175,299)



Households

391,684  
households

HAWAII 100% (391,684)

## Critical Infrastructure Summary

### Total

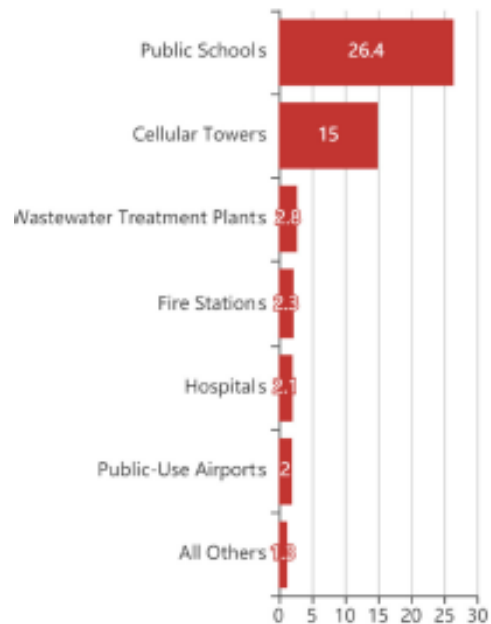


### Power Requirements



### Generators

By Generator Count



### Tropical Cyclone Track and Forecasts (for mission models)



This web map references the live tiled map service from the OpenStreetMap (OSM) project. OpenStreetMap (OSM) is an open collaborative project to create a free editable map of the ...

NOAA/NOS/OCS nowCOAST, NOAA/NWS/NHC, NOAA/NWS/CPHC | © 2020 Microsoft Corporation, © 2020 HERE

## 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.

| <b>Mission Summary</b>    |           |
|---------------------------|-----------|
| Total Counties            | 3         |
| Debris (cu. yd.)          | 587,677   |
| Temporary Roofing (units) | 1,083     |
| Population                | 1,175,299 |
| Households                | 391,684   |

| <b>Population Distribution</b> |           |
|--------------------------------|-----------|
| Category 1                     | 1,018,535 |

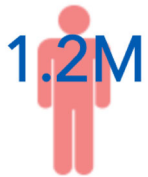
### Debris



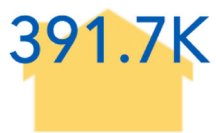
### Temporary Roofing



### Population



### Households



| HAWAII | Yards of Debris (587,677) | Roof Units (1,083) | Population (1,175,299) | Households (391,684) |
|--------|---------------------------|--------------------|------------------------|----------------------|
| KAUAI  | 40,584                    | 75                 | 54,926                 | 23,369               |
| MAUI   | 0                         | 0                  | 156,764                | 53,291               |
| OAHU   | 547,093                   | 1,008              | 963,609                | 315,024              |

## Critical Infrastructure

| Summary  |               |            |         |
|--|---------------|------------|---------|
| Total Structures                                       |               | 396        |         |
| Power Requirements                                     |               | 15,282.1   |         |
| Range (kW)   |               |            |         |
| Communications   | # FED Gen Req | Range (kW) | Req kW  |
| AM Antennas (7)  | 0.4           | 35 - 75    | 19.3    |
| Cellular Towers (25)                                   | 15.0          | 35 - 75    | 825.0   |
| FM Antennas (27)                                       | 1.4           | 35 - 75    | 74.3    |
| Education  | # FED Gen Req | Range (kW) | Req kW  |
| Private Schools (26)                                   | 0.0           | 200 - 300  | 0.0     |
| Public Schools (88)                                    | 26.4          | 200 - 300  | 6,600.0 |
| Colleges and Universities (4)                          | 0.1           | 200 - 300  | 20.0    |
| Emergency Services                                     | # FED Gen Req | Range (kW) | Req kW  |
| 911 Call Centers (0)                                   | 0.0           | 15 - 35    | 0.0     |
| Emergency Medical Service (16)                         | 1.6           | 15 - 35    | 40.0    |
| Fire Stations (23)                                     | 2.3           | 15 - 35    | 57.5    |
| Service Providers (0)                                  | 0.0           | 0 - 0      | 0.0     |
| Healthcare   | # FED Gen Req | Range (kW) | Req kW  |
| Nursing Homes (11)                                     | 1.6           | 35 - 100   | 111.4   |
| Hospitals (7)  | 2.1           | 800 - 2000 | 2,940.0 |
| Urgent Care Facilities (2)                             | 0.4           | 200 - 300  | 100.0   |
| 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 (4)                   | 0.0           | 15 - 35    | 0.0     |
| National Security Government Military Facilities (110) | 0.0           | 15 - 35    | 0.0     |
| Law Enforcement  | # FED Gen Req | Range (kW) | Req kW  |
| Prison Points (4)                                      | 0.8           | 400 - 600  | 400.0   |
| Local Police (4)                                       | 0.4           | 15 - 35    | 10.0    |
| State Police (1)                                       | 0.1           | 15 - 35    | 1.3     |
| Correctional Facilities (0)                            | 0.0           | 400 - 600  | 0.0     |
| State and Local EOC                                    | # FED Gen Req | Range (kW) | Req kW  |
| Local Emergency Operations Centers (1)                 | 0.2           | 15 - 40    | 5.5     |
| 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 (4)                          | 0.0           | 600 - 1200 | 0.0    |
| Amtrak Stations (0)                | 0.0           | 100 - 300  | 0.0    |
| Bus Stations (5)                   | 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 (17)           | 2.0           | 40 - 100   | 142.8  |

| Water                           | # FED Gen Req | Range (kW) | Req kW  |
|---------------------------------|---------------|------------|---------|
| Water Treatment Facilities (0)  | 0.0           | 800 - 2000 | 0.0     |
| Wastewater Treatment Plants (7) | 2.8           | 800 - 2000 | 3,920.0 |

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