

Layer Name: Wind Energy Resource Data
Layer Type: ESRI GRID and shapefile formats
Status: Complete
Geog. Extent: Main Hawaiian Islands and surrounding off-shore waters
Projection: Universal Trans Mercator, Zone 4 (Meters)
Datum: NAD 83 HARN

Please note - if you are downloading this data from the [State's geoportal](#), the data is served and exported in WGS84 coordinates, although it is stored internally in UTM coordinates.

Description: Wind Energy Resource Data collected using the MesoMap system:.

- Wind speed in the state of Hawaii for heights of 30, 50, 70, and 100 meters above ground.
- Wind power in the state of Hawaii for height of 50 meters above ground.

Source: AWS Truewind, LLC, June 30, 2004.

History: For more information, read "[Wind Energy Resource Maps of Hawaii](#)," by AWS Truewind, 2004.

Attributes: Wind Speed GRID file:
Pixel Value: Wind Speed (meters/second)

Wind Speed Shapefile:
SPEED_MPS: Wind Speed (meters/second)

Wind Power GRID file:
Pixel Value: Wind Power Density (Watts/square meters)

Wind Power Shapefile:
PWR_DENS: Wind Power Density (Watts/square meters)

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