Wind Power Density of Hawaii Island at 50 Meters

Final Map

800000 850000 900000 950000

156°0'0"W 155°30'0"W 155°0'0"W

20°0'0"N 19°30'0"N 19°0'0"N

2200000 2150000 2100000

Power Density at 50 m

NREL Class	W/m2
1-	< 100
1+	100 - 200
2	200 - 300
3	300 - 400
4	400 - 500
5	500 - 600
6	600 - 800
7	> 800

City
Highway
County Boundary
Water Body

Hawai'i

Hawi
Kapaau
Kukuihaele
Honokaa
Paauilo
Waimea
Laupahoehoe
Waikoloa Village
Puako
Honomu
Pepeekeo
Papaikou
Paukaa
Wainaku
Hilo
Kalaoa
Kailua
Holualoa
Kahaluu-Keauhou
Honalo
Kealakekua
Captain Cook
Honaunau-Napoopoo
Keaau
Kurtistown
Hawaiian Paradise Park
Orchidlands Estates
Hawaiian Beaches
Mountain View
Ainaloa
Fern Acres
Pahoa
Eden Roc
Leilani Estates
Fern Forest
Volcano
Pahala
Hawaiian Ocean View
Naalehu

Kilometers 0 5 10 20 30 40

Miles 0 5 10 20 30 40

AWS Truewind

Projection: UTM Zone 4, WGS 84
Spatial Resolution of AWS Truewind using the MesoMap system and historical weather data. Although it is believed to represent an accurate overall picture of the wind energy resource, estimates at any location should be confirmed by measurement.

HawaiiIsland_PWR50m_19July04.mxd