Puerto Rico and U.S. Virgin Islands - 50 m Wind Power

68° 67° 66° 65°

Aguadilla Arecibo Manati San Juan
Utuado Caguas Culebra
Mayaguez Charlotte Amalie Cruz Bay
San German Vieques
Cayey Humacao VIRGIN   ISLANDS
Coamo Esperanza
Yauco
Ponce Arroyo
18° 18°

PUERTO   RICO

Frederiksted
Grove Place

68° 67° 66° 65°
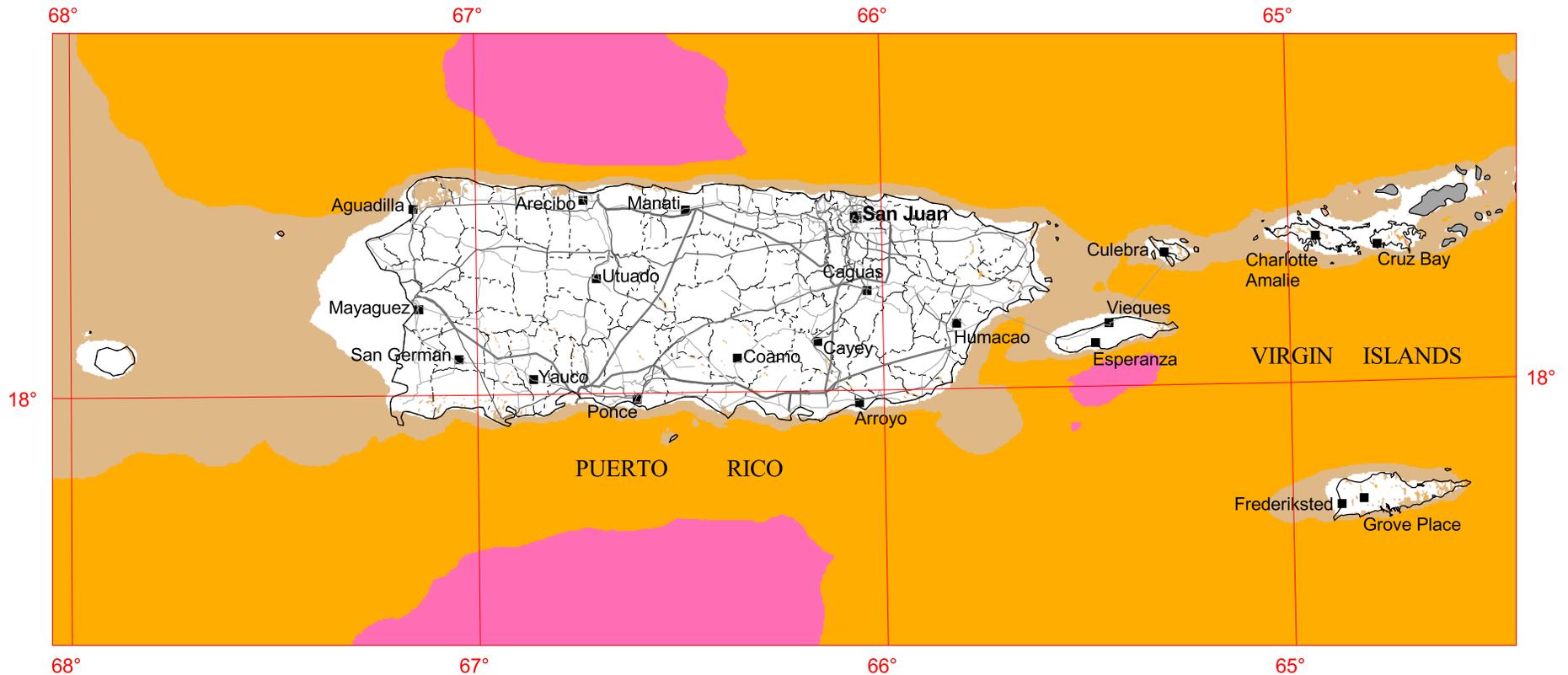
Wind Power Classification

Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m^2	Wind Speed[a] at 50 m m/s	Wind Speed[a] at 50 m mph
1	Poor	0 - 200	0.0 - 5.9	0.0 - 13.2
2	Marginal	200 - 300	5.9 - 6.8	13.2 - 15.2
3	Fair	300 - 400	6.8 - 7.5	15.2 - 16.8
4	Good	400 - 500	7.5 - 8.0	16.8 - 17.9
5	Excellent	500 - 600	8.0 - 8.5	17.9 - 19.0

[a] Wind speeds are based on a Weibull k of 2.5 at sea level.

Transmission Line
Voltage (kV)

——	38
——	115
——	230

The annual wind power estimates for this map were produced by AWS Truewind using their Mesomap system and historical weather data. It has been validated with available measurement data by NREL and wind energy meteorological consultants.

20 0 20 40 60 80 100 Kilometers
20 0 20 40 60 Miles

NREL
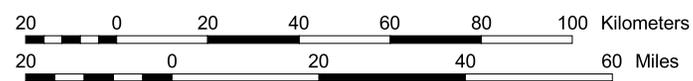
U.S. Department of Energy
National Renewable Energy Laboratory

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