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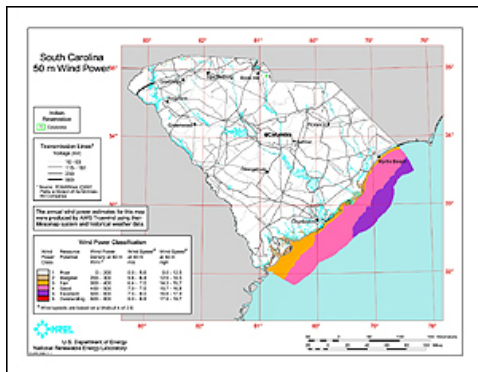
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South Carolina Wind Resource Map

The Department of Energy's Wind Program and the National Renewable Energy Laboratory (NREL) published a new wind resource map for the state of South Carolina. This resource map shows wind speed estimates at 50 meters above the ground and depicts the resource that could be used for utility-scale wind development. Future plans are to provide wind speed estimates at 30 meters, which are useful for identifying small wind turbine opportunities.



This map of South Carolina shows the wind resource at 50 meters. You can [view a larger version](#) or [download a printable map \(PDF 1.3 MB\)](#). [Download Adobe Reader.](#)

More Viewing Options

- Interactive Map
- High Resolution Wind Data Files

As a renewable resource, wind is classified according to wind power classes, which are based on typical wind speeds. These classes range from Class 1 (the lowest) to Class 7 (the highest). In general, at 50 meters, wind power Class 4 or higher can be useful for generating wind power with large turbines. Class 4 and above are considered good resources. Particular locations in the Class 3 areas could have higher wind power class values at 80 meters than shown on the 50 meter map because of possible high wind shear. Given the advances in technology, a number of locations in the Class 3 areas may be suitable for utility-scale wind development.

This map indicates that South Carolina has wind resources consistent with utility-scale production. The good-to-excellent resource areas are located on ridge crests located near the border of western North Carolina and Georgia. Other good resource areas are on exposed capes along the Atlantic Coast.

Note: Wind resource at a micro level can vary significantly; therefore, you should get a professional evaluation of your specific area of interest.

If you have a disability and need assistance reading the wind map, please email the [Webmaster](#).

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