

List of wind farms

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2018 wind farm map. North Dakota and Wyoming lead per capita generation of electricity from wind. Map all coordinates using OpenStreetMap. This is a list of large wind farms in the United States. Many of the wind farms in the United States are located in the Great Plains.

This is a list of the largest onshore wind farms that are currently operational, rated by generating capacity. Also listed are onshore wind farms with notability other than size, and largest proposed projects.

The United States Wind Turbine Database (USWTDB) provides the locations of land-based and offshore wind turbines in the United States, corresponding wind project information, and turbine technical specifications. The creation of this database was jointly funded by the U.S. Department of Energy (DOE) Wind Energy Technologies Office (WETO) via ...

The Global Wind Power Tracker (GWPT) is a worldwide dataset of utility-scale, on and offshore wind facilities. It includes wind farm phases with capacities of 10 megawatts (MW) or more.

This is a list of the onshore wind farms that are larger than 250 MW in current nameplate capacity. Many of these wind farms have been built in stages, and construction of a further stage may be continuing at some of these sites.

Note that the Google map allows the display of the coordinates listed in the individual sections of the article to be turned on and off (use the expand(+) / contract(-) icons and the checkboxes to control which sections, or individual coordinate flags, are displayed).

By zooming in on the map, users can find the precise location of tens of thousands of individual turbines, with information for each turbine including the owner, generating capacity, on-line date, type of tower, blade length, total height, and the confidence with which this information can be given.

The turbines can be filtered by height, blade length, and generating capacity. The map also includes a layer showing federal lands, colored according to the jurisdictions of each federal land management agency.

The map data are freely available to download in a variety of formats for a variety of purposes: GIS files, Google Earth overlays (.kmz), Excel spreadsheets, and more.

First up for this snapshot of offshore wind is America's first ever offshore wind farm! You'll find this wind farm about 3.8 miles (mi) off the coast of Rhode Island's Block Island, featuring 5 turbines that pack a combined 30 megawatts (MW) of capacity--that's enough to power around 17,000 households.

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Located 27 mi off the shores of Virginia Beach is America's second offshore wind farm, the Coastal Virginia Offshore Wind project. While it currently only has two turbines in operation, this burgeoning wind farm is set to yield a potential 2,600 MW of wind power capacity with over 150 turbines by 2026--that's enough to power up to 660,000 homes. Until then, this offshore wind farm's two operating turbines are not to be underestimated, as they help avoid up to 25,000 tons of carbon dioxide emissions annually.

Hornsea 2, located about 55 mi off the coast of Yorkshire in the North Sea, is the world's largest operating offshore wind farm as of August, 2023. This powerful wind farm has 165 8-MW wind turbines--all together, that's over 1,300 MW of renewable energy. Fully operational as of August 31, 2022, Hornsea 2 has the capacity to power more than 1.4 million homes, an accomplishment more than worth emulating. As its name suggests, this wind farm is preceded by a smaller, but still sizable, sister wind farm named Hornsea 1.

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