



Wind Energy Technologies Office

Distributed Wind Market Report: 2022 Edition

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[Wind Energy Technologies Office](#) » Distributed Wind Market Report: 2022 Edition

The 2022 edition of the [Distributed Wind Market Report](#) provides stakeholders with statistics and analysis of the distributed wind market— which includes power from wind turbines installed near where the power will be used—along with insight into its trends and characteristics. The report analyzes distributed wind projects of all sizes and details the U.S. small wind market for the 2021 calendar year.



KEY FINDINGS

The U.S. distributed wind sector added 11.7 megawatts (MW) of new distributed wind energy capacity in 2021 from 1,751 turbines installed across 15 states. This represents \$41 million in investment and brings the total installed capacity to 1,075 MW from more than 89,000 wind turbines across all 50 states, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, and Guam. Rhode Island, Kansas, and Minnesota led the U.S. in distributed wind capacity additions in 2021, each with a megawatt-scale wind turbine project, which combined to represent 75% of the annual distributed wind capacity installed.

U.S.-based manufacturers and installers of small wind turbines (100 kilowatts or less) reported an increased interest in incorporating distributed wind in microgrids and hybrid systems. Small wind retrofits continue to account for a significant portion of new domestic small wind capacity deployment, representing 42% of the total installed small wind capacity in 2021, compared to 68% in 2020 and 27% in 2019.

Installation costs for all categories of distributed wind took noticeable dips in 2021, with the largest drop seen in new small wind projects. The average capacity-weighted installed cost for new small wind projects in 2021 was \$5,120/kW compared to \$9,970/kW in 2019.



1,647 small wind turbines were manufactured domestically in 2021, representing a **\$7.1 million investment.**

DOWNLOAD THE REPORT

- [Distributed Wind Market Report: 2022 Edition: Full Report](#)
- [Distributed Wind Market Report: 2022 Edition: Executive Summary](#)
- [Distributed Wind Market Report: 2022 Edition: Summary Slides](#)
- [Distributed Wind Market Report: 2022 Edition: Data](#)

Learn More

Three Places American Energy Consumers Are Using Local Wind Power

New DOE report on wind energy shows distributed wind energy—wind turbines that provide power for nearby consumers—is expanding across the nation, benefiting a wide range of organizations and communities, from large corporations to remote villages.

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Top 10 Things You Didn't Know About Distributed Wind Power

Learn about key facts related to wind turbines used in distributed applications.

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