Wind power generation analysis report

In 2023, an estimated 96% of newly installed, utility-scale solar PV and onshore wind capacity had lower generation costs than new coal and natural gas plants. In addition, three-quarters of new wind and solar PV plants offered cheaper ...

In 2025, renewables surpass coal to become the largest source of electricity generation. Wind and solar PV each surpass nuclear electricity generation in 2025 and 2026 respectively. In 2028, ...

The report highlights increasing momentum on the growth of wind energy worldwide: Total installations of 117GW in 2023 represents a 50% year-on-year increase from 2022; 2023 was a year of continued global growth - 54 ...

A key aspect of this report is a first-ever global stocktake of VRE integration measures across 50 power systems, which account for nearly 90% of global solar PV and wind power generation. This analysis identifies proven measures for ...

The new report includes a series of country-specific case studies that show how emerging countries can achieve integration. These possible solutions include long-term strategic planning, upgrades to power systems, more advanced ...

The definitive status report for the global wind industry has been published. Featuring the latest key statistics, chapters looking at the key challenges facing the sector and explorations of the key emerging markets, GWEC"s Global ...

It offers a deep and comprehensive analysis of recent policies and market developments, and provides forecasts through 2026 for electricity demand, supply and CO 2 emissions. The IEA"s electricity sector report, which ...

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