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On the good side, solar continued its run of astonishing growth, generating 35 percent more power than a year earlier and surpassing hydroelectric power for the first time.

In our latest Short-Term Energy Outlook (STEO), we expect that U.S. renewable capacity additions--especially solar--will continue to drive the growth of U.S. power generation over the next ...

The database combines datasets from the U.S. EIA, the Environmental Protection Agency (EPA) and the National Renewable Energy Laboratory (NREL). The locations and array boundaries of all ...

Learn the basics of how photovoltaic (PV) technology works with these resources from the DOE Solar Energy Technologies Office. Solar photovoltaic modules are where the electricity gets generated, but ...

This fact sheet illustrates the roles of distributed and centralized renewable energy technologies, particularly solar power, and how they will contribute to the future electricity system.

According to our Electric Power Annual, solar power accounted for 3% of U.S. electricity generation from all sources in 2020. In our Short-Term ...

There are two main types of solar energy technologies--photovoltaics (PV) and concentrating solar-thermal ...

When the sun is shining, PV systems can generate electricity to directly power devices such as water pumps or supply electric power grids. PV systems can also charge a battery to provide ...

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