

PIENAAR ENERGY (PTY) LTD

Why not wind and solar power



Overview

Wind and solar only produce power when the sun is shining or the wind blows, making electricity from these sources infinitely expensive. Nuclear energy is the only solution capable of replacing fossil fuels at scale. Those options seem pretty good because wind and sunshine are free and abundant, and the equipment. Fossil fuels (such as coal, oil, and natural gas) are finite, nonrenewable natural resources, formed over millions of years from the remains of ancient plants, animals, and microorganisms that were subjected to enormous heat and pressure deep within the Earth's crust.

Why not wind and solar power



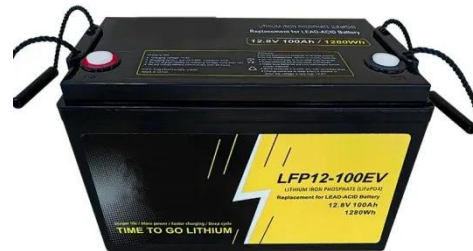
As Solar Power Surges, U.S. Wind Is in Trouble

But wind power is also more vulnerable than solar power to many of the biggest logistical hurdles that hinder energy projects today: a lack of transmission lines, a lengthy permitting

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Wind and solar are at odds with growth - Mackinac Center

The energy transition to wind and solar was decided before its practicality was tested. No place has found an increased reliance on wind turbines and solar panels to improve their situation.



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Why Wind Power Is Useless

Renewable electricity, mostly wind power, is useless in every dimension. It is extremely expensive but is made to look cheap by hiding an 80% subsidy. It is an exorbitantly expensive ...

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Why Wind and Solar Aren't

Enough

So whereas we'd like to believe that building wind and solar farms will allow us to close dirty power plants, it's not so. Those old fossil-fueled plants have to be kept online to power the grid ...

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Electricity Generated from Wind and Solar Cannot Replace Fossil Fuels

Wind and solar are inherently intermittent and weather-dependent, and they lack the consistency needed to power a complex, industrialized world over long periods and in all conditions.

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Why wind and solar won't save the planet: A U.S. case history

However, wind and solar power require thermal generation backup at all times, so there will still be electrical power when the wind drops or the sun sets.

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Why Haven't We Switched To Renewable Energy?

Certain regions have ample sunlight, making solar energy more viable, while



others may have strong winds suited for wind energy. Conversely, some areas may lack the natural resources necessary for ...

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Wind Power , Pros, Cons, Debate, Arguments, Alternative Energy

As Forbes journalist Christopher Helman reports, "Wind power has a carbon footprint 99% less than coal-fired power plants, 98% less than natural gas, and a surprise 75% less than solar."



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Why Aren'T Wind And Solar Major Energy Resources

Wind and solar energy generation is inherently intermittent, reliant on sunlight and wind, leading to scenarios where electricity from these sources becomes extremely costly when conditions ...

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Solar Energy vs Wind Energy: Cost, Efficiency, Applicability, and

Renewable energy technologies like solar and wind power are transforming how we generate electricity. These clean energy sources offer powerful alternatives to fossil fuels, each with ...

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