

The dangers of wind farms generating more than half of their electricity

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Some people still call modern turbines "windmills." Others believe turbines consume more energy than they produce. Concerns about bird deaths, property values, and health effects dominate ...

In the next section, we'll explore some of the risks wind farming poses to the environment as well as to people.

Wind farms have different impacts on the environment compared to conventional power plants, but similar concerns exist over both the noise produced by the turbine blades and the visual impacts on ...

As discussed more in this paper, credible, peer-reviewed scientific data and various government reports in the United States, Canada, Australia, and the United Kingdom - and other university and ...

Studies suggest that large wind farms can extract energy from the wind, leading to small-scale changes in wind speed and turbulence in the immediate vicinity. However, the overall impact ...

"For wind, we found that the average power density -- meaning the rate of energy generation divided by the encompassing area of the wind plant -- was up to 100 times lower than ...

OverviewEcologyBasic operational considerationsImpacts on peopleOffshoreSee alsoExternal linksWind power has low life-cycle surface power density of 1.84 W/m which is three orders of magnitude (10 times, which is equivalent to 1,000x) less than nuclear or fossil fuel power and three times less than Photovoltaics. Wind farms are often built on land that has already been impacted by land clearing. The vegetation clearing and ground disturbance required for wind farms are minimal ...

This is not true. A life-cycle analysis published in the scientific journal Renewable Energy in 2012 shows that, after only three to seven months, a wind turbine produces more energy than is required to ...

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