

The wind turbine was damaged by the wind

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Safety concerns have been raised over turbines at a wind farm in the New South Wales Central West after a blade snapped in half during a storm. More than a dozen turbines at the Flyers Creek...

The scope of this article is to review the potential causes that can lead to wind turbine blade failures, assess their significance to a turbine's performance and secure operation and ...

MECHANICSVILLE -- Checking her cattle late May 13, farmer Sally Freeman looked out across the newly-planted corn and saw something alarming: The wind turbine that had stood in the ...

Lightning strikes are currently the largest source of blade failure, according to federal data. The broken blade, on Vineyard Wind turbine AW38, manufactured at the troubled Canada plant, ...

Lightning struck a wind turbine off the coast of Nantucket, Massachusetts, last week, further damaging a turbine operated by Vineyard Wind that made headlines last year when its blade ...

People in the area said they felt their homes shake when the machinery fell into a cranberry bog. The blade of a wind turbine broke off the structure in southeastern Massachusetts on ...

Wind energy is crucial to the global renewable energy mix. Countries like the UK & US along with many other countries around the world are investing heavily in onshore and offshore wind ...

During storms or hurricanes, wind speeds can surpass this cut-out speed, potentially causing damage to the turbines. The damage of high wind speed, especially during hurricanes in offshore locations, can ...

The culprit? A single damaged turbine blade that broke off at a nearby wind farm. It's not the first time this has happened, and it won't be the last.

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This experiment examined an airfoil section; next, the authors will test these results with a scaled rotating wind turbine in a wind tunnel, using blades subjected to fatigue-induced damage.

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