

**Wind turbines don't turn when
the wind is too strong**



Overview

Turbines shut down on their own when wind speeds get too high - usually above 25 m/s or 56 mph. This prevents any damage to the structure.

Wind turbines don't turn when the wind is too strong



[Wind Turbine Shutdown: Quick Troubleshooting Guide](#)

But what many don't realize is that during extremely strong winds, turbines actually stop. This process, known as wind turbine shutdown, is a key safety feature designed to protect both the

Why Do Some Wind Turbines Not Turn

Wondering why some wind turbines aren't spinning? Discover the real reasons turbines stop or appear stationary, how they work, and what's normal. Get clear answers to common turbine



Why Do Wind Turbines Stop?

Wind turbines are complex structures, designed to produce maximum renewable energy only when it is safe to do so. Let's explore why a wind turbine stops moving.

Why don't wind turbines always spin?

Bottom line: Wind turbines don't always spin-and in Texas, it's often not because the wind isn't blowing. Transmission constraints and grid congestion are preventing clean, low-cost wind



[Why are there wind turbines stopped if](#)



[there is wind](#)

We will explain why we see wind turbines stopped even though there is enough wind to generate electricity.

Friday Focus #2

In this newsletter, we'll explore why wind speed matters, how turbines adjust to different speeds, and what happens when the wind is too weak or too strong.



Why Do Some Wind Turbines Not Turn?

Discover why wind turbines not turn and what we can do to keep them spinning for a sustainable energy future.

Wind turbine is not turning, why?

Wind turbines can only operate safely up to a certain wind speed, which is called the "cut-off wind speed" or "cut-out wind speed." Any wind stronger than the limit becomes too much for the



Why Do Some Wind Turbines Stop Turning?

The most common reason for turbines to stop is inadequate wind speed, which requires sustained winds of at least 9 miles per hour, but no more than 55 mph. In summary, wind turbines

[Why do some wind turbines spin as](#)

others nearby stand still?

We dug around in some state, federal and industry reports and reached out to academic experts in energy technology to determine why some turbines in a wind farm spin while others



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