



Google Wind Power Generation

Will Google buy offshore wind energy for its data centers?

Google announced its biggest deal yet to purchase offshore wind energy for its data centers in Europe, signing power purchase agreements to support two new wind farms off the coast of the Netherlands. It's part of Google's plan to match all of its data center electricity consumption with clean energy generation on a 24/7 basis by 2030.

Will Google's partnership with DeepMind make wind power more predictable?

Google recently achieved 100 percent renewable energy purchasing and is now striving to source carbon-free energy on a 24x7 basis. The partnership with DeepMind to make wind power more predictable and valuable is a concrete step toward that aspiration.

Could Google help the offshore wind industry?

The offshore wind industry, in particular, could certainly use the support as rising costs have forced developers to shutter projects in Europe and the US, where Google has the most data centers. Google announced power purchase agreements with energy companies developing offshore wind farms in Europe.

Where does Google's new power come from?

Much of that new capacity will come from the pair of new offshore wind farms in the Netherlands, where Google operates two of its 24 data centers. The power purchase agreements are with the CrossWind and Ecowende consortia, which are joint ventures between energy companies Shell and Eneco.

Is Google using more power now than 5 years ago?

Google now delivers around seven times as much computing power with the same amount of electrical power compared to five years ago. Last year's accomplishment was also due to a global package of renewable energy deals that were announced in late 2019.

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