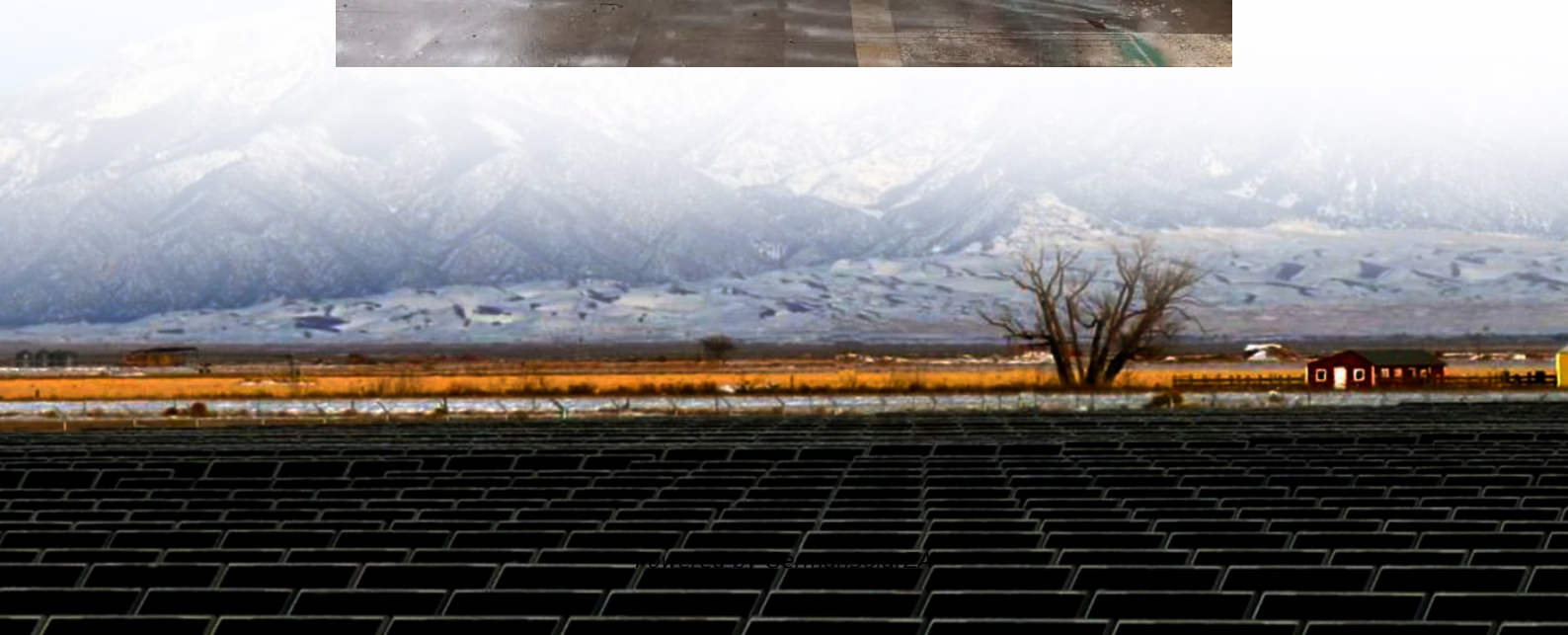


# Energy storage cost for wind power





## Overview

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How can wind energy be stored?

Since wind conditions are not constant, wind energy can be stored by combining wind turbines with energy storage systems. These hybrid power plants allow for the efficient storage of excess wind power for later use.

What is the revenue of wind-storage system?

The revenue of wind-storage system is composed of wind generation revenue, energy storage income and its cost. With the TOU price, the revenue of the wind-storage system is determined by the total generated electricity and energy storage performance.

Can wind turbines be used to store energy?

Wind turbines can be directly coupled with energy storage systems, efficiently storing excess wind power for later use. Without advancements in energy storage, the full potential of wind energy cannot be realized, limiting its role in future energy supply.

How much money does a simulated wind-storage system make?

When the energy storage system lifetime is of 10 years, and the cost is equal to or more than 375 \$/kWh, the optimization configuration capacity is 0 MWh, which means no energy storage installation. The annual revenue of the simulated wind-storage system is 12.78 million dollars, which is purely from the sale of wind generation.



## Energy storage cost for wind power

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## and energy storage

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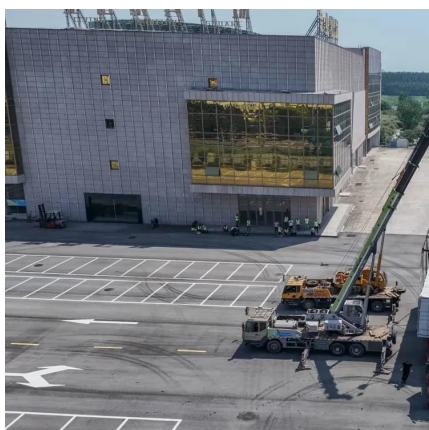
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