

Do investors underestimate the value of energy storage?

While energy storage is already being deployed to support grids across major power markets, new McKinsey analysis suggests investors often underestimate the value of energy storage in their business cases.

Will energy storage help meet global decarbonization goals?

Nature Energy 8, 1199-1208 (2023) Cite this article To meet ambitious global decarbonization goals, electricity system planning and operations will change fundamentally. With increasing reliance on variable renewable energy resources, energy storage is likely to play a critical accompanying role to help balance generation and consumption patterns.

Does capacity expansion modelling account for energy storage in energy-system decarbonization?

Capacity expansion modelling (CEM) approaches need to account for the value of energy storage in energy-system decarbonization. A new Review considers the representation of energy storage in the CEM literature and identifies approaches to overcome the challenges such approaches face when it comes to better informing policy and investment decisions.

How do I evaluate potential revenue streams from energy storage assets?

Evaluating potential revenue streams from flexible assets, such as energy storage systems, is not simple. Investors need to consider the various value pools available to a storage asset, including wholesale, grid services, and capacity markets, as well as the inherent volatility of the prices of each (see sidebar, "Glossary").

Is energy storage an equity asset?

Tarekegne, B., O'Neil, R. & Twitchell, J. Energy storage as an equity asset. Curr. Sustain. Renew. Energy Rep. 8, 149-155 (2021). Zhu, S., Mac Kinnon, M., Carlos-Carlos, A., Davis, S. J. & Samuelsen, S. Decarbonization will lead to more equitable air quality in California. Nat. Commun. 13, 5738 (2022).

Is energy storage a good investment?

While energy storage is gradually transitioning from demonstration projects to commercial operations, its technical and economic performance is still limited, and it lacks economies of scale. Research on the design and operational optimization of energy storage systems is crucial for advancing project demonstrations and commercial applications.

Gore Street, London's first listed energy storage fund for assets that support the transition to low carbon power is pleased to announce completion of construction of one of its many ...

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