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Title: Carbon trading for wind power generation

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This study developed a low-carbon optimal scheduling model to facilitate the integration of wind power into the power system, aiming for energy sustainability and carbon emission reduction.

Currently, many low-carbon approaches are being applied in the power dispatching process, such as dynamic economic emission dispatch (DEED), wind power integration and carbon ...

Three carbon reduction mechanisms are considered: the No cap-and-trade mechanism, Grandfathering mechanism, and Benchmarking mechanism. We focus on the optimal investment ...

As can be seen from Table 2, with the introduction of the carbon trading mechanism, the power generation of wind power increases, the wind abandonment rate decreases, but the profit decreases.

This study examines how carbon tax and carbon emission trading policies could be coupled with subsidy policies to better promote renewable energy development. The data come from ...

To accelerate the low-carbon transformation of the power industry, a range of carbon emission reduction policies and technologies have emerged.

In order to achieve the double carbon goal, this paper introduces electric energy storage and carbon trading mechanism to optimize the energy structure and promote green development of the power ...

The paper proposes a new application for recursive backward scenario reduction to establish possible next-day scenarios for wind power generation at Mersing Johor, Malaysia.

To assist in the dual carbon target, this paper aims to explore the influence of carbon trading mechanism on wind power-containing power systems. Therefore, the carbon trading mechanism is taken into ...

Carbon trading for wind power generation

The results show that the combined trading of wind-thermal power generation rights, incorporating carbon trading and green certificate trading, can effectively promote coal consumption ...

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