Internet Promotes the Development of New Energy

Overview

The study finds that (1) digital economy development effectively promotes clean energy transition; (2) the digital economy influences the transformation of renewable energy through two intermediary channels: technological innovation and upgrading of industrial. The study finds that (1) digital economy development effectively promotes clean energy transition; (2) the digital economy influences the transformation of renewable energy through two intermediary channels: technological innovation and upgrading of industrial. The paper uses a two-way fixed-effect model to empirically investigate the impact of the development of the digital economy on the clean energy transition based on Chinese municipal panel data from 2013 to 2022. It also sorts out the intrinsic mechanism of the digital economy affecting the clean. In this paper, 22 indexes are selected at three levels, including the informatization development level, the Internet development level, and the digital transaction development level, based on China's provincial panel data from 2011 to 2020, so as to build a digital economy development index. Energy Internet, as the product of the deep integration of energy system and Internet technology, can become a possible way to approach the "energy

impossible triangle" in the process of energy transformation. Using the “Broadband China” strategy as a quasi-natural experiment, this study examines the impact and mechanisms. Phones, laptops, data centers and the networks connecting them draw about 3. 6 percent of all electricity consumed worldwide. Photo: Brett Sayles Efficient infrastructure, clean energy integration, and smarter user habits offer a path to decouple digital growth from rising emissions.

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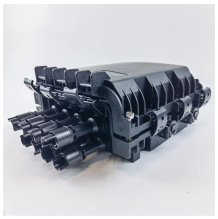
In the context of current rapid development of digital economy and energy transition, this study empirically examines the effect of internet development on RETI and its underlying ...

Energy Internet refers to a combination of advanced power and electronics technology, information technology and intelligent management technology, and a large number of new power ...

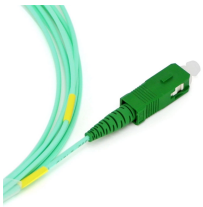
Through the energy Internet, an energy trading platform based on blockchain technology can be established to realize peer-to-peer trading and crowdfunding of energy, and promote the open and ...

The emergence of the Internet has provided new possibilities for promoting green development in depth and achieving a win–win situation between economic development and environmental protection.

Digital screens glow in almost every hand and home, promising smarter living, but the demand for electricity that keeps those pixels lit is climbing ...



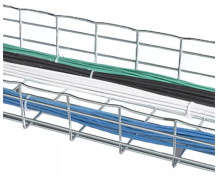
To realize renewable-energy-based electrification goals, a new concept—the Energy Internet (EI)—has been proposed, inspired by the most recent advances in information and ...



Therefore, this study empirically tests the effect of Internet development on energy-saving potential, which is conducive to exploring new ways of energy conservation and provides ...

Digital screens glow in almost every hand and home, promising smarter living, but the demand for electricity that keeps those pixels lit is climbing almost as fast as the technology itself.

In the context of global warming and the clean energy transition, the rapid development of the digital economy, a highly technology-intensive economic form, has an important impact on the ...



The research in this paper provides a theoretical basis for promoting renewable energy development and a reference and guidance for countries to ...

The research in this paper provides a theoretical basis for promoting renewable energy development and a reference and guidance for countries to realize sustainable development in the ...

The development of the energy economy can be better promoted by focusing on the coordinated regional layout of the digital economy development, building a reliable energy ...

Contact Us

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