

Transition to renewable energy: challenges and prospects

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Abstract

A study has been carried out on the challenges and prospects for the transition to renewable energy, which are becoming an important energy sector in many countries and a factor in economic growth. The study was carried out using a set of methods and techniques, a systematic approach, which ensured the objectivity of the conclusions. The main scientific research tools used are: comparative analysis, statistical analysis, synthesis, economic analysis, including ecological and economic, comparison and grouping method, and information modeling. Modern alternative energy technologies prove their reliability and ability to success fully integrate into the grid. The study examines the mechanism of state energy policy, which contributes to solving environmental problems and establishing renewable energy. The analysis led to the conclusion that the implementation of green economy mechanisms and solving environmental problems can be provided by a new level of government and business management within the framework of environmental and economic policy and the introduction of new technologies.

Keywords: *green economy, renewable energy, environmental factor, innovation*

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