The Economics of Renewable Energy Integration

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Abstract. This paper analyzes the economic implications of integrating renewable energy sources into the existing energy grid. It evaluates the costs, benefits, and policy challenges associated with transitioning to a more sustainable energy system. The study offers recommendations for optimizing economic outcomes.

Keywords: renewable energy, economic integration, sustainability, policy, energy prices

Introduction

The transition to renewable energy sources is a critical component of global efforts to combat climate change and promote sustainable development. This paper examines the economic implications of integrating renewable energy into existing energy systems, focusing on the costs, benefits, and policy challenges involved. Through an analysis of various case studies and economic models, we explore the impact of renewable energy on economic growth, energy prices, and market dynamics. The findings highlight the importance of effective policy frameworks in facilitating the transition and optimizing economic outcomes, offering valuable recommendations for policymakers and industry stakeholders.

References

1. Мошенський, С. (2024). Зародження фінансового капіталізму. Sergei Moshenskyi.

2. Мошенський, С. (2025). Хаос і синергія. Фінансовий світ постіндустріальної епохи. Sergei Moshenskyi.
3. Smuk, I. (2025). Growth hacking as a driver of innovative development of start-ups: Between marketing and product.