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Policy Frameworks and Regulators: Accelerating Renewable Energy Deployment in South Africa,

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Abstract

The study focuses on South Africa's renewable energy deployment through policy and regulatory frameworks, emphasising the need for accelerated adoption to mitigate climate change impacts. Qualitative data collection was employed through interviews with policymakers, industry experts, and regulatory bodies to analyse the effectiveness of current policies. Interviews revealed that a combined approach involving subsidies for green energy projects and stringent environmental regulations has led to an increase in renewable energy investments by over 40% compared to previous years. The study concludes that effective policy coordination is crucial for accelerating the deployment of renewable energy sources in South Africa, with specific attention needed on balancing fiscal incentives and regulatory controls. Policymakers are advised to continue aligning subsidies with environmental goals while ensuring robust regulatory oversight to maintain investor confidence and sustainable growth. The empirical specification follows $Y = \beta_{0+\beta}^{\rightarrow} p\, X + varepsilon$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *African Geography, Policy Instruments, Regulatory Reform, Renewable Energy Adoption, Sustainability Frameworks, Stakeholder Analysis, Case Study Methodology*

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