



Renewable Energy Access Among Low-Income Homeowners in Egyptian Coastal Towns: A Policy Perspective

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Abstract

Renewable energy access in low-income communities is a critical issue globally, with coastal areas often facing unique challenges due to environmental and economic factors. A mixed-methods approach combining surveys and focus group discussions was employed, with a sample size representative of low-income households in coastal areas. Findings indicate that only 25% of surveyed homeowners have installed renewable energy systems, primarily due to high upfront costs and limited awareness about available subsidies. The policy brief highlights the urgent need for financial incentives and public education campaigns to increase renewable energy access in coastal communities. Implement a tiered subsidy programme and conduct community-based workshops to educate homeowners on renewable energy options and benefits.

Keywords: *Egyptian Coastal, Renewable Energy Adoption, Mixed Methods, Microfinance, Social Contract Theory, Development Economics, Sustainable Urban Planning*

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