



Electric Vehicle Charging Stations in Nairobi's Informal Settlements: A Socio-Economic Assessment

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Abstract

Nairobi's informal settlements face significant socio-economic challenges, including limited access to reliable energy sources for charging electric vehicles (EVs). The study employs a socio-economic analysis based on surveys and interviews with residents and local stakeholders to evaluate potential impacts of EV charging infrastructure. While there is significant interest in EVs among informal settlement residents, economic constraints pose substantial challenges to widespread adoption and infrastructure development. Public-private partnerships should be encouraged to fund initial installation costs, and subsidies could be applied to reduce the cost burden on households.

Keywords: Kenyan, Informal, Sustainability, Renewable, Infrastructure, Social, Economic

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