



Regional Power Pool Dynamics and Energy Security in Ghana: A Theoretical Framework

Boamptey Oduro¹

¹ Ghana Institute of Management and Public Administration (GIMPA)

Published: 17 May 2007 | **Received:** 09 February 2007 | **Accepted:** 09 April 2007

Correspondence: boduro@hotmail.com

DOI: [10.5281/zenodo.18847957](https://doi.org/10.5281/zenodo.18847957)

Author notes

Boamptey Oduro is affiliated with Ghana Institute of Management and Public Administration (GIMPA) and focuses on Energy research in Africa.

Abstract

Ghana's energy sector is characterized by significant reliance on imported fuels, leading to vulnerability in times of supply disruptions. This theoretical framework underscores the potential benefits of regional cooperation for Ghana's energy security and provides a robust basis for policymakers and planners. Policymakers should prioritise the establishment of a regional power pool in Ghana, considering cost savings and increased reliability as key factors. The empirical specification follows $Y = \beta_{0+\beta} p X + \text{varepsilon}$, and inference is reported with uncertainty-aware statistical criteria.

Keywords: *Sub-Saharan, African, Pan-African, Empirical, Model, Geopolitics*

ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

Email: info@parj.africa

Request your copy of the full paper today!

SUBMIT YOUR RESEARCH

Are you a researcher in Africa? We welcome your submissions!

Join our community of African scholars and share your groundbreaking work.

Submit at: app.parj.africa



Scan to visit app.parj.africa

Open Access Scholarship from PARJ

Empowering African Research | Advancing Global Knowledge