

## Accepted Manuscript

Title: On the interdependence of natural gas and stock markets under structural breaks

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PII: S1062-9769(17)30088-1  
DOI: <http://dx.doi.org/doi:10.1016/j.qref.2017.06.003>  
Reference: QUAECO 1047



To appear in: *The Quarterly Review of Economics and Finance*

Received date: 2-3-2017  
Revised date: 31-5-2017  
Accepted date: 10-6-2017

Please cite this article as: & Ahmed, Walid M.A., On the interdependence of natural gas and stock markets under structural breaks. *Quarterly Review of Economics and Finance* <http://dx.doi.org/10.1016/j.qref.2017.06.003>

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**Highlights**

- Mean and volatility spillovers between world natural gas prices and stock prices in Qatar's emerging market are examined.
- The influence of relevant regional and global factors is filtered out from the return series of gas and stock markets.
- Structural breaks in the volatility dynamics are considered in the analysis.
- Evidence suggests the presence of unidirectional causality-in-mean and causality-in-variance effects from natural gas prices to stock prices.
- The speed with which the stock market reacts to variations in gas prices turns out to be somewhat slow.

**Abstract:**

This paper aims to provide an analysis of both mean and variance dynamics between natural gas and stock markets, using the gas-rich Gulf state of Qatar as a case study.

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