Impacts of the US dollar (USD) Exchange Rate on Economic Growth and the Environment in the United States

Jaeseok Lee, Chengyan Yue

PII: S0140-9883(17)30072-5
DOI: doi:10.1016/j.eneco.2017.03.006
Reference: ENEECO 3577

To appear in: Energy Economics

Received date: 20 November 2015
Revised date: 28 February 2017
Accepted date: 5 March 2017

Please cite this article as: Lee, Jaeseok, Yue, Chengyan, Impacts of the US dollar (USD) Exchange Rate on Economic Growth and the Environment in the United States, Energy Economics (2017), doi 10.1016/j.eneco.2017.03.006

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.
Impacts of the US dollar (USD) Exchange Rate on Economic Growth and the Environment in the United States

Jaeseok Lee
Department of Applied Economics, University of Minnesota, St. Paul, Minnesota, USA

Chengyan Yue*
Department of Applied Economics and Department of Horticultural Science, University of Minnesota, St. Paul, Minnesota, USA

Abstract

This paper investigates the impact of the USD exchange rate on economic growth and the environment in the United States by using a Structural Vector Autoregression (SVAR) model. The analysis is based on quarterly country-level data on the real trade weighted US dollar index, petroleum consumption, renewable energy consumption, net imports of pollution intensive products, real GDP and CO\textsubscript{2} emissions during the 1989-2015. The result shows that the USD exchange rate is positively related to petroleum consumption, net imports of the United States in pollution intensive industries with major U.S. trading partners, real GDP and CO\textsubscript{2} emissions. Moreover, petroleum consumption increases real GDP and domestic CO\textsubscript{2} emission levels, while net imports of pollution intensive products decrease real GDP and does not significantly affect CO\textsubscript{2} emissions.

Key words: Structural Vector Autoregression (SVAR), USD exchange rate, pollution
دریافت فوری
متن کامل مقاله

امکان دانلود نسخه تمام متن مقالات انگلیسی
امکان دانلود نسخه ترجمه شده مقالات
پذیرش سفارش ترجمه تخصصی
امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
امکان دانلود رایگان ۲ صفحه اول هر مقاله
امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
دانلود فوری مقاله پس از پرداخت آنلاین
پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات