

Accepted Manuscript

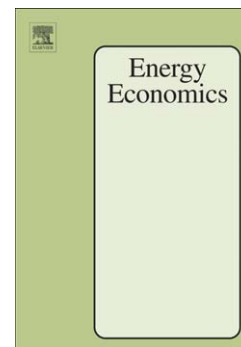
The Convergence of U.S. State-level Energy Intensity

J. Wesley Burnett, Jessica F. Madariaga

PII: S0140-9883(16)30085-8
DOI: doi: [10.1016/j.eneco.2016.03.029](https://doi.org/10.1016/j.eneco.2016.03.029)
Reference: ENEECO 3320

To appear in: *Energy Economics*

Received date: 7 February 2016
Revised date: 22 March 2016
Accepted date: 29 March 2016



Please cite this article as: Burnett, J. Wesley, Madariaga, Jessica F., The Convergence of U.S. State-level Energy Intensity, *Energy Economics* (2016), doi: [10.1016/j.eneco.2016.03.029](https://doi.org/10.1016/j.eneco.2016.03.029)

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.

The Convergence of U.S. State-level Energy Intensity

April 8, 2016

Abstract

This study extends a neoclassical growth model, based on previous growth theory, that includes the accumulation of physical capital and energy consumption within a panel of fifty states (plus the District of Columbia) in the U.S. The theoretical model allows us to examine the implications for convergence in economic growth and energy intensity. From the theoretical model, we develop an empirical model to test the conditional rates of convergence. The empirical model is formulated as a dynamic panel data model that is estimated using a general method of moments framework. The empirical results indicate convergence in energy intensity, and our estimates accurately predict both the growth in and convergence of energy intensity across our entire sample. Consistent with other findings in the literature, our results imply that energy use, over the past four decades, plays a small and positive role in state-level, per capita economic growth and convergence. Based on these results, we discuss policy implications for state-level income growth and energy consumption.

Keywords: Economic growth; Energy growth; Energy Intensity; Convergence

JEL Codes: C23, Q47, Q48, Q54

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ 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