

Publications by E3 Network Economists

This document shows publications in the subject area:

Technology & Energy Efficiency

Within this subject area, entries are divided into:

Articles

Books & Book Chapters

Miscellaneous Formats

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Technology & Energy Efficiency

Articles

Powerplay: Exploring Decision Making Behaviors in Energy Efficiency Markets

Ruth, M., C. Bernier, A. Meier, and J. A. Laitner. 2007. Powerplay: Exploring Decision Making Behaviors in Energy Efficiency Markets. *Technological Forecasting & Social Change* 74(4).

Adapting for Uncertainty: A Scenario Analysis of U.S. Technology Energy Futures

Laitner, J. A., D. A. Hanson, I. Mintzer, and J. A. Leonard. 2006. Adapting for Uncertainty: A Scenario Analysis of U.S. Technology Energy Futures. *Energy Studies Review* 14(1).

Technology Policy and World Greenhouse Gas Emissions in the AMIGA Modeling System

Hanson, D. A., and J. A. Laitner. 2006. Technology Policy and World Greenhouse Gas Emissions in the AMIGA Modeling System. *Energy Journal*, Special Issue on Multi-Greenhouse Gas Mitigation and Climate Policy.

Modeling Detailed Energy-Efficiency Technologies and Technology Policies within a CGE Framework

Hanson, D. A., and J. A. Laitner. 2006. Modeling Detailed Energy-Efficiency Technologies and Technology Policies within a CGE Framework. *Energy Journal*, Special Issue on Hybrid Modeling of Energy-Environment Policies: Reconciling Bottom-Up and Top-Down.

An Integrated Analysis of Policies that Increase Investments in Advanced Energy-Efficient/Low-Carbon Technologies

Hanson, D. A., and J. A. Laitner. 2004. An Integrated Analysis of Policies that Increase Investments in Advanced Energy-Efficient/Low-Carbon Technologies. *Energy Economics* 26(4).

Learning-by-Doing on Both the Demand and the Supply Sides: Implications for Electric Utility Investments in a Heuristic Model

Laitner, J. A. and A. H. Sanstad. 2004. Learning-by-Doing on Both the Demand and the Supply Sides: Implications for Electric Utility Investments in a Heuristic Model. *International Journal of Energy Technology and Policy* 2(1/2).

Productivity Benefits of Industrial Energy Efficiency Measures

Worrell, E., J. A. Laitner, M. Ruth, and H. Finman. 2003. Productivity Benefits of Industrial Energy Efficiency Measures. *Energy* 28(11).

Room for Improvement: Increasing the Value of Energy Modeling for Policy Analysis

Laitner, J. A., S. J. DeCanio, J. G. Koomey, and A. H. Sanstad. 2003. Room for Improvement: Increasing the Value of Energy Modeling for Policy Analysis. *Utilities Policy* 11(2).

Cost-Effective Reductions of Non-CO2 Greenhouse Gases

Delacheyne, Francisco; Harvey, Reid; Kruger, Dina and Laitner, John A. "Skip". "Cost-Effective Reductions of Non-CO2 Greenhouse Gases." *Energy Policy*, 2001, 29(14), pp. 1325–31.

Recent Trends in the U.S. Energy Intensity: An Index Number Analysis

Boyd, Gale A. and Laitner, John A. "Recent Trends in the U.S. Energy Intensity: An Index Number Analysis." *International Association of Energy Economics Newsletter*, 2001, 10(2).

Impacts of Market-Based Climate Change Policies on the Us Pulp and Paper Industry

Ruth, Matthias; Davidsdottir, Brynhildur and Laitner, John A. "Skip". "Impacts of Market-Based Climate Change Policies on the Us Pulp and Paper Industry." *Energy Policy*, 2000, 28, pp. 259-70.

Energy Efficiency: Rebounding to a Sound Analytical Perspective

Laitner, John A. "Skip". "Energy Efficiency: Rebounding to a Sound Analytical Perspective." *Energy Policy*, 2000, 28(6-7), pp. 471-75.

Sorry, Wrong Number: The Use and Misuse of Numerical Facts in Analysis and Media Reporting of Energy Issues

Koomey, Jonathan G.; Calwell, Chris; Laitner, Skip; Thornton, Jane; Brown, Richard E.; Eto, Joseph H.; Webber, Carrie and Cullicott, Cathy. "Sorry, Wrong Number: The Use and Misuse of Numerical Facts in Analysis and Media Reporting of Energy Issues." *Annual Review of Energy and the Environment*, 2002, 27, pp. 119-58.

Modeling technological change in energy demand forecasting: a generalized approach

DeCanio, S. J. and J. A. Laitner. 1997. Modeling technological change in energy demand forecasting: a generalized approach. *Technological Forecasting & Social Change* 55(3).

Technology & Energy Efficiency

Books & Book Chapters

Exploring the Energy Impacts of Unanticipated but Emerging Technologies: Some Preliminary Insights

Laitner, J. A. 2006. Exploring the Energy Impacts of Unanticipated but Emerging Technologies: Some Preliminary Insights. Chapter in P. B. Bhaskaran, editor, *Futurology: Forecasts and Initiatives*. The Icfai University Press, Hyderabad, India.

Market Failures in Energy Markets

DeCanio, S. J. 2004. Market Failures in Energy Markets. Chapter in C. J. Cleveland, editor, *Encyclopedia of Energy*. Academic Press/Elsevier Science.

A Pragmatic CGE Model for Assessing the Influence of Model Structure and Assumptions in Climate Change Policy Analysis

Bernow, Stephen; Cleetus, Rachel; Laitner, John A. ("Skip"); Peters, Irene; Rudkevich, Aleksandr and Ruth, Michael. "A Pragmatic CGE Model for Assessing the Influence of Model Structure and Assumptions in Climate Change Policy Analysis," L. A. Kreiser, *Critical Issues in International Environmental Taxation*. Chicago, IL: CCH Incorporated, 2002, pp. 503-22.

Technology and Greenhouse Gas Emissions: An Integrated Scenario Analysis Using the LBNL-NEMS Model

Koomey, Jonathan G.; Richey, R. Cooper; Laitner, Skip; Markel, Robert J. and Marnay, Chris. Technology and Greenhouse Gas Emissions: An Integrated Scenario Analysis Using the LBNL-NEMS Model," D. Hall and R. Howarth, The Long-Term Economics of Climate Change: Beyond a Doubling of Greenhouse Gas Concentrations. Amsterdam, The Netherlands: Elsevier Science, 2001, pp. 175-219.

Incorporating Behavioral, Social, and Organizational Phenomena in the Assessment of Climate Change Mitigation Options

Laitner, J. A., S. J. DeCanio, and I. Peters. 2000. Incorporating Behavioral, Social, and Organizational Phenomena in the Assessment of Climate Change Mitigation Options. Chapter in E. Jochem, J. Sathaye and D. Bouille, editors, Society, Behavior, and Climate Change Mitigation. Kluwer Academic Press, Dordrecht, The Netherlands.

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Miscellaneous Formats

Testimony Before the Subcommittee on Research and Science Education, House Committee on Science and Technology, a Hearing on The Contribution of the Social Sciences to the Energy Challenge

http://www.aceee.org/tstimony/0709HouseScience_Laitner.pdf

Laitner, J. A. Sept 25, 2007. Testimony Before the Subcommittee on Research and Science Education, House Committee on Science and Technology, a Hearing on The Contribution of the Social Sciences to the Energy Challenge. American Council for an Energy Efficient Economy, Washington D.C.

How Far Energy Efficiency?

Laitner, John A. "Skip". "How Far Energy Efficiency?," Proceedings of the 2004 ACEEE Summer Study on Energy Efficiency in Buildings. Washington, DC: American Council for an Energy Efficient Economy, 2004.

A Multi-Agent, Multi-Attribute Policy Model Reflecting a Dynamic Marketplace in the Adoption of Energy Efficiency Technologies

http://www.eceee.org/conference_proceedings/ACEEE_buildings/2004/Panel_7/p7_27/

Sanstad, A. H., and J. A. Laitner. 2004. A Multi-Agent, Multi-Attribute Policy Model Reflecting a Dynamic Marketplace in the Adoption of Energy Efficiency Technologies. Proceedings of the 2004 ACEEE Summer Study on Energy Efficiency in Buildings. American Council for an Energy Efficient Economy, Washington D.C.

The Role of a Dynamic Marketplace in the Adoption of Industrial Efficiency Innovations

DeCanio, S. J., and J. A. Laitner. 2003. The Role of a Dynamic Marketplace in the Adoption of Industrial Efficiency Innovations. Proceedings of the 2003 ACEEE Summer Study on Energy Efficiency in Industry. American Council for an Energy Efficient Economy, Washington D.C.