

Rocío Uría Martínez

790 Emory Valley Road
Oak Ridge, TN 37830
Email address: rocio.uria@gmail.com
Citizenship: Spanish
LinkedIn profile: www.linkedin.com/pub/rocio-uria/3/50b/7/en

Education

Ph.D. Agricultural and Resource Economics, University of California, Davis, 2007
Dissertation title: “Spatial and Intertemporal Arbitrage in the California Natural Gas Transportation and Storage Market”
B.S. Economics, University of Oviedo (Spain), 2000

Research Interests

Energy Economics, Environmental Economics, Commodity Markets, Applied Econometrics.

Skills

Computer skills: GAMS (10 years), R (3 years), Eviews (4 years), Microsoft Office (10+years).
Language skills: Spanish (native), English, basic French.

Research and Work Experience

Research Staff (March 2010-present)
Oak Ridge National Laboratory
Energy systems modeling in multidisciplinary teams, feasibility and cost-benefit studies for various energy technologies

Energy Analyst (October 2007- January 2010)
Iberdrola
Energy price forecasting. Writing economic reports regarding commodity markets and other topics of interest to company’s management.

Postdoctoral Researcher (January 2007- September 2007)
University of California, Davis
Study weekly cycles in natural gas demand, supply, pipeline and storage operations. Scenario analysis regarding infrastructure additions, regulatory changes and indirect network effects. Funded through a grant from the California Institute for Energy and the Environment (CIEE).

Lecturer (Winter Quarter, 2007)
University of California, Davis
International Commodity and Resource Markets

Intern/Research Assistant (October 2001-October 2006)
California Energy Commission and University of California, Davis
Development of mathematical programming model for analyzing the seasonal role of storage in the California natural gas network.

Research Assistant (October 1999-June 2000)
University of Oviedo, Spain
Participation in survey design and implementation for a contingent valuation study of the recreational values of the Sella River (Asturias).

Peer-Reviewed Journal Publications

Kao, Shih-Chieh, Michael Sale, Moetasim Ashfaq, R. Uría-Martínez, Dale Keiser, Yaxing Wei and Noah Diffenbaugh (2015). “Projecting Changes in Annual Hydropower Generation Using Regional Runoff Data: An Assessment of the United States Federal Hydropower Plants”. *Energy* 80:239-250.

Oladosu G. K. Kline, P. Leiby, R. Uría-Martínez, M. Davis, V. Dale, M. Downing, L. Eaton (2012). “Global Economic Effects of US Biofuel Policy and the Potential Contribution from the Advanced Biofuel Targets”, *Future Science - Biofuels Journal* 3(6):703-723.

Oladosu, Gbadebo, Keith Kline, Rocío Uría and Laurence Eaton (2011). “Sources of Corn for Ethanol Production in the United States: a Decomposition Analysis of the Empirical Data” *Biofuels, Bioproducts and Biorefining* 5(6): 640-653.

Uría, Rocío, and Jeffrey C. Williams (2007). “The Supply of Storage for Natural Gas in California”. *The Energy Journal* 28(3):25-44.

Other Peer-Reviewed Publications

Zhang, Qin Fen, R. Uría-Martínez and B. Saulsbury 2013. “Technical and Economic Feasibility Assessment of Small Hydropower Development in the Deschutes River Basin”. ORNL Report TM-2013/221.

Youngsun Baek, Stanton W. Hadley, Russell Lee, Paul Newsome Leiby, Fangxing Li, Gbadebo Oladosu, Alexander M. Smith and Rocío Uría-Martínez 2012. “Eastern Interconnection Demand Response Potential” ORNL Report TM-2012/303.

Narula, Chaitanya, Rocío Martínez, Omer Onar, Michael Starke and George Andrews 2011. “Economic Analysis of Deploying Used Batteries in Power Systems”. ORNL Report/TM-2011/151.

Selected Presentations

“Hydropower Capital Cost Modeling” Rocío Uría-Martínez, Qin Fen Zhang and Brennan Smith. Presentation at HydroVision International 2013, Louisville, Kentucky. July 18, 2012.

“Advanced Biofuels System Configuration in the U.S.: Cost and Performance Tradeoffs,” Rocío Uría-Martínez and Paul Leiby, Oak Ridge National Laboratory. Presentation in AAEE Annual Meeting, Seattle, Washington. August 14, 2012.

“New Pumped Storage Hydropower in the United States: Benefits, Risks, Revenues and Potential” Rocío Uría-Martínez, Boualem Hadjerioua, Patrick O’Connor and Norman Bishop. Presentation at HydroVision International 2012, Louisville, Kentucky. July 18, 2012.

“Economic Analysis of Deploying Used EV Batteries in Power Systems”. Chaitanya K. Narula, Omer Onar, Rocío Uría-Martínez, Michael R. Starke and George P. Andrews. Poster Presentation at EESAT 2011. San Diego, California. October 20, 2011.

“Residual Supply Curves for Canadian Natural Gas within the North American Network”. Presentation at the 14th Annual Power Conference on Energy Research and Policy organized by the University of California Energy Institute. Berkeley, California. March 19, 2009.

“A Daily Simulation Model of the California Natural Gas Transportation and Storage Network”. Presentation at the Staff Workshop on Natural Gas Storage Research. California Energy Commission. Sacramento, California. November 15, 2007.

“Residual Supply Curves of Canadian Natural Gas for Selected U.S. Citygate Markets”. Presentation at 27th USAEE/IAEE North American Conference. Houston, Texas. September 18, 2007.

“A Seasonal Simulation Model of the California Natural Gas Transportation and Storage Network”. Presentation at 25th USAEE/IAEE North American Conference. Denver, Colorado. September 20, 2005.

“The Supply of Storage for California Natural Gas”. Presentation at American Agricultural Economics Association (AAEA) Annual Meeting. Providence, Rhode Island. July 25, 2005.

Professional Service

Referee, *The Energy Journal*, *Energy Economics*, *Environmental Science and Technology*

Professional Affiliations

International Association for Energy Economics