

ANTHONY PAUL  
Resources for the Future  
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### Professional Preparation

Carnegie Mellon University	Civil and Environmental Engineering Engineering and Public Policy	B.S., 1997
University of Wisconsin, Madison	Economics	M.S., 2006
Johns Hopkins University	Geography and Environmental Engineering	(Expected) Ph.D., 2015

### Appointments

Center Fellow, Resources for the Future	2007 – present
Current research related to modeling and policy analysis of the electric utility sector in the United States includes work on market effects of CO2 allowance allocation mechanisms under cap and trade legislation, opportunities for cost effective GHG abatement in end use electricity consumption efficiency, gains from trade from a nationally integrated market for renewable energy credits.	
Independent Contractor	2006 – 2007
Exercised the Haiku electricity market model with researchers from RFF to assess the impact on the State of Maryland of joining the Regional Greenhouse Gas Initiative. Project funded by Maryland Department of the Environment.	
Project Assistant, University of Wisconsin, Madison	2005 – 2006
Developed model of lifetime financial payback to attainment of a Bachelor's degree from UW-Madison. Model estimates changes in expected earnings trajectory, financial aid and foregone earnings during matriculation based on demographics and high school achievement.	
Independent Contractor	2000 – 20004
Continued research and publishing with RFF researchers using the Haiku model. Translated Excel models into Analytica models for Lumina Decision Systems. Designed MS Access backend for Movieseer.com, a Bangkok based content provider.	
Research Assistant, Resources for the Future	1997 – 2000
Worked with Dr. Dallas Burtraw and Dr. Karen Palmer to design and program the original version of the Haiku electricity market model. Co-authored publications using results generated by the Haiku model.	
Environmental Engineer, Corning, Inc.	1996
Designed and implemented a database for environmental data record keeping. Installed a reverse osmosis system. Administered the remediation of a site with hydrocarbon contaminated soil and groundwater.	

### Selected Recent Publications

“Modeling a Clean Energy Standard for Electricity: Policy Design Implications for Emissions, Supply, Prices, and Regions,” 2013, forthcoming. Energy Economics. with K. Palmer, M. Woerman

“Analysis of the Bingaman Clean Energy Standard Proposal,” 2013? revise and resubmit at Review of Energy Economics. RFF Discussion Paper 12-20. with K. Palmer, M. Woerman.

“Cost-effectiveness and Economic Incidence of a Clean Energy Standard,” 2012, September. Economics of Energy and Environmental Policy. Vol. 1, No. 3, pp. 59-86. with B. Mignone, T. Alfstad, A. Bergman, K. Dubin, R. Duke, P. Friley, A. Martinez, M. Mowers, K. Palmer, S. Showalter, D. Steinberg, M. Woerman, F. Wood.

“Secular Trends, Environmental Regulations and Electricity Markets,” 2012, July. The Electricity Journal, Vol. 25, No. 6, pp. 35-47. with D. Burtraw, K. Palmer, M. Woerman.

“Retail Electricity Price Savings from Compliance Flexibility in GHG Standards for Stationary Sources,” 2012. Energy Policy, Vol. 42, pp. 67-77. with D. Burtraw, M. Woerman.

“The Variability of Potential Revenue from a Tax on Carbon,” 2012, May. RFF Issue Brief 12-03. with K. Palmer, M. Woerman.

“The Role of Energy Efficiency Spending in Maryland’s Implementation of the Regional Greenhouse Gas Initiative,” (with Matthias Ruth, Benjamin F. Hobbs, Daraius Irani, Jeffrey Michaels, Yihsu Chen, Kimberly Ross, Karen Palmer, Erica Myers), Energy Policy, Vol. 38. No. 11, pp. 6820-6829, 2010.

“Federal Policies for Renewable Electricity: Impacts and Interactions,” 2010. Energy Policy, Vol. 39, No. 7, pp. 3975-3991. with K. Palmer, M. Woerman, D. Steinberg.

“From Regions to Stacks: Spatial and Temporal Downscaling of Power Pollution Scenarios,” 2010, May. IEEE Transaction on Power Systems, Vol. 25, No. 2, pp. 1179-1189. with B. Hobbs, M. Hu, Y. Chen, J. Ellis, D. Burtraw, K. Palmer

“A New Look at Residential Electricity Demand Using Household Expenditure Data,” 2010, November. RFF Discussion Paper 10-57. with H. Fell, S. Li.

### **Awards and Fellowships**

Outstanding Civil Engineering Student, Carnegie Mellon University, 1997

Andrew Carnegie Scholar, Carnegie Mellon University, 1997