



Alumni Spotlight

Your fellow Public Policy alumni would like to showcase you and your achievements to the PUBP community on our website. We would be grateful if you would send us a profile. Please fill in the name/city/etc. in the blanks provided. Then pick as many questions as you would like, or add your own topics, and type your answers in the text boxes following. Thank you!

Name: Matt Cox

Graduation semester/year: Fall 2009

City of residence: Atlanta

Current professional position: NSF IGERT Fellow

- **What research did you conduct while at Tech? (I pasted this from LinkedIn, obviously...sorry if that's a problem)**

Transforming Industrial Energy Efficiency [Edit](#)

- National Academy of Engineers
- October 2010

Authors: [Matt Cox](#), Marilyn Brown, [Rodrigo Cortes](#)

Energy-efficient industry will contribute to a cleaner environment, U.S. competitiveness and security, business profitability, and the quality of the workforce.

- ***Reinventing Industrial Energy Use in a Resource-Constrained World*** [Edit](#)

- Sustainability and the Environment: Technology, Incentives, Behavior
- April 28, 2011

Authors: [Matt Cox](#), Marilyn Brown, [Rodrigo Cortes](#)

This chapter describes the progress made to date and the magnitude of the remaining opportunities, stemming both from broader use of current best practices and from a range of possible advances enabled by emerging technologies and innovations. It begins by focusing on the potential for improving energy efficiency in several major energy-consuming industries. After describing the principal barriers...[more](#)

- ***Regulatory Reform to Promote Clean Energy: The Potential of Output-Based Emissions Standards*** [Edit](#)

- 2011 ACEEE Summer Study on Energy Efficiency in Industry
- July 2011

Authors: [Matt Cox](#), Marilyn Brown, [Roderick Jackson](#)

- ***Expanding the Pool of Federal Policy Options to Promote Industrial Energy Efficiency*** [Edit](#)

- 2011 ACEEE Summer Study on Energy Efficiency in Industry
- July 2011

Authors: [Matt Cox](#), [Roderick Jackson](#), Marilyn Brown

- ***Policy Analysis of Incentives to Encourage Adoption of Superior Energy Performance Program*** [Edit](#)

- 2011 ACEEE Summer Study on Energy Efficiency in Industry
- July 2011

Authors: [Matt Cox](#), [Roderick Jackson](#), Marilyn Brown

- ***Sustainable Transitions: Adaptive Management Approaches to Climate Change and Energy*** [Edit](#)

- NSF Climate Ethics Works-In-Progress Conference Proceedings
- September 2011

Authors: [Matt Cox](#)

- ***Filling Policy Gaps for Deploying Organic PV*** [Edit](#)

- From Transit Hubs to Combat Zones: Serving the Government Customer with Lightweight Materials
- June 5, 2012

Authors: [Matt Cox](#)

Recent R&D has simplified and reduced the cost in the manufacture of organic PV (Zhou et al. 2012). A price on carbon would be the most economically-efficient means of addressing the climate change concerns and would increase the attractiveness of organic PV, but would likely not be sufficient. Feed-in tariffs have been proven effective internationally in driving PV deployment. A carbon...[more](#)

- ***Making Industry Part of the Climate Solution*** [Edit](#)

- Oak Ridge National Laboratory

We may need to make changes or deletions to the responses given. Thanks for your understanding!

- June 2011
Authors: [Matt Cox](#), [Marilyn Brown](#), [Roderick Jackson](#), [Rodrigo Cortes](#), [Benjamin Deitchman](#), [Melissa Lapsa](#)
- ***Modeling the Impact of a Carbon Tax on the Commercial Buildings Sector*** [Edit](#)
- Proceedings of the 2012 ACEEE Summer Study on Energy Efficiency in Buildings
- August 2012
Authors: [Matt Cox](#), [Marilyn Brown](#), [Xiaojing Sun](#)

This paper examines the impact of instituting an economy-wide tax on CO2 emissions in the United States, focusing especially on the changes such a tax would have on the energy and carbon profile of the commercial buildings sector. Compared with the Reference case forecast, the “Main Tax + High Tech” scenario falls short of the goal of the Better Buildings initiative, but nearly meets the Waxman-...[more](#)

-
- What research are you interested in now? I'm currently engaged in policy analyses of building codes, flexible financing opportunities, and energy benchmarking for the commercial building sector, as well as the climate and energy footprints of metropolitan areas in the United States. I have forthcoming publications on the impact of an economically efficient carbon tax, the potential of an investment tax credit for combined heat and power in the industrial sector, and methods for calculating uncertainty in policy analysis with applications to the industrial sector.
- What did you do in the year after graduating? Went back to school/work ☺
- What links, news sources, or interesting research would you like to share? Any of the last 3 working papers on the School's website!
<http://www.spp.gatech.edu/faculty/workingpapers/wp69.pdf>
<http://www.spp.gatech.edu/faculty/workingpapers/wp68.pdf>
<http://www.spp.gatech.edu/faculty/workingpapers/wp67.pdf>
- What was your greatest “Ah-Ha!” moment at Tech?
Realizing that if you don't have a realistic philosophy, your answer will be nearly useless.
- Do you still believe in the same principles as you did when you were a student?
Yes, but my ideas on how to see those principles achieved have changed. I have many other tools available to me, in terms of developing policy options to address problems, than I entered the program with.
- What are your current hobbies or interests?
Promoting a local foods economy, playing and enjoying music, and brewing beer!