

Department of Economics

**Reading/Class Participation:**

Please come to class each day ready to discuss the assigned reading. **Please prepare a 1 page summary** of each paper that discusses: the main research question; data used in the analysis; the empirical approach, structural versus reduced form, identification of the parameter(s) of interest,

## **Schedule of topics**

## **B. Electricity and Manufacturing**

\* Greenstone (2002), “The Impacts of Environmental Regulations on Industrial Activity: Evidence from the 1970 and 1977 Clean Air Act Amendments and the Census of Manufactures.” *Journal of Political Economy* 110: 1175

Bento, Goulder, Jacobsen and von Haefen (2009) “Distributional and Efficiency Impacts of Increased U.S. Gasoline Taxes,” *American Economic Review*, Vol. 99, No. 3, 2009.

Goulder, Jacobsen and van Benthem, “Unintended Consequences from Nested State & Federal Regulations: The Case of the Pavley Greenhouse-Gas-per-Mile Limits” *Journal of Environmental Economics and Management* Volume 63, Issue 2, March 2012, Pages 187–207

Li, Timmins and von Haefen (2009), “How Do Gasoline Prices Affect Fleet Fuel Economy.” *American Economic Journal: Economic Policy* 1(2): 113-137

## **B. Electricity and Energy Efficiency**

\* Rapson, “Durable Goods and Long-Run Electricity Demand: A Case Study of Air Conditioner Purchase Behavior.” [http://www.econ.ucdavis.edu/faculty/dsrapson/Rapson\\_LR\\_electricity.pdf](http://www.econ.ucdavis.edu/faculty/dsrapson/Rapson_LR_electricity.pdf)

Burr, “Subsidies, Tariffs and Investments in the Solar Power Market,” <http://spot.colorado.edu/~chbu2511/research.html>

Davis, “Evaluating the Slow Adoption of Energy Efficient Investments: Are Renters Less Likely to Have Energy Efficient Appliances?” <http://www.nber.org/papers/w16114>

\* Fowlie, Greenstone and Wolfram, “Do Energy Efficiency Investments Deliver? Evidence from the Weatherization Assistance Program” [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=262181](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=262181)

Fowlie, Greenstone and Wolfram (2015), “Are the Non-Monetary Costs of Energy Efficiency Investments Large? Understanding Low Take-up of a Free Energy Efficiency Program” EI @ Haas WP 256, [http://nature.berkeley.edu/~fowlie/WAP\\_1.pdf](http://nature.berkeley.edu/~fowlie/WAP_1.pdf)

\* Bushnell and Mansur (2005), “Consumption Under Noisy Price Signals: A Study Of Electricity Retail Rate Deregulation In San Diego.” *Journal of Industrial Economics*, 53(4): 493-513.

\* Holland and Mansur (2008), “Is Real-Time Pricing Green? The Environmental Impacts Of Electricity Demand Variance.” *Review of Economics and Statistics* 90(3): 550-561.

\* Allcott, “Rethinking Real-Time Electricity Pricing.” *Resource and Energy Economics*, Volume 33, Issue 4, November 2011, Pages 820–842

Wolak, “Residential Customer Response to Real-Time Pricing: The Anaheim Critical-Peak Pricing Experiment.”

\* Grant and Kotchen (2009), “Does Daylight Saving Time Save Energy? Evidence From A Natural Experiment In Indiana.” *Review of Economics and Statistics* November 2011, Vol. 93, No. 4, Pages 1172-1185

Kellogg and Wolff (2008), “Daylight time and energy: Evidence from an Australian experiment.” *Journal of Environmental Economics and Management* 56: 207-220.

### **C. Voluntary Measures/Information**

\* Cutter and Neidell (2009), “Voluntary information programs and environmental regulation: Evidence from ‘Spare the Air’.” *Journal of Environmental Economics and Management*, 53(3): 253-256.

Reiss and White (2008), “What changes energy consumption? Prices and public pressures.” *RAND Journal of Economics* 39(3): 636-663.

Zivin and Neidell (2009), “Days of haze: Environmental information disclosure and intertemporal avoidance behavior.” *Journal of Environmental Economics and Management* Volume 58, Issue 2, September 2009, Pages 119–128

## **IV. Estimating Damages**

### **A. Air Pollution**

\* Chay and Greenstone (2005). “Does Air Quality Matter? Evidence from the Housing Market.” *Journal of Political Economy*, 113(2): 376-424.

\* Davis (2010). “The Effect of Power Plants on Local Housing Values and Rents.” *Review of Economics and Statistics*, November 2011, Vol. 93, No. 4, Pages 1391-1402

\* Currie and Neidell (2005), “Air Pollution and Infant Health: What Can We Learn From California’s Recent Experience?” *Quarterly Journal of Economics*, 120(3): 1003-1030.

Knittel, Miller and Sanders, “Caution, drivers! Children present. Traffic, pollution, and infant health.” *Review of Economics and Statistics* (forthcoming),  
[http://web.mit.edu/knittel/www/papers/kms\\_latest.pdf](http://web.mit.edu/knittel/www/papers/kms_latest.pdf)

Currie and Walker. “Traffic Congestion and Infant Health: Evidence from E-Z Pass” *American Economic Journal: Applied Economics*, 3(1): 65-90.

## B. Climate Change

\* Deschenes and Greenstone (2007), "The Economic Impacts of Climate Change: Evidence from Agricultural Output and Random Fluctuations in Weather." *American Economic Review* Vol. 97, No. 1 (Mar., 2007), pp. 354-385

\* Fisher, Hanemann, Roberts and Schlenker. "The Economic Impacts of Climate Change: Evidence from Agricultural Output and Random Fluctuations in Weather: Comment" 2012. *American Economic Review*, 102(7): 3749-3760

\* Albouy, Graf, Kellogg and Wolff, "Aversion to Extreme Temperatures, Climate Change, and Quality of Life." <http://www-personal.umich.edu/~kelloggr/NBERw18925.pdf>

Deschênes, Olivier and Michael Greenstone (2008), "Climate Change, Mortality and Adaptation: Evidence from Annual Fluctuations in Weather in the U.S." *American Economic Journal: Applied Economics*, 3(4): 152-85.

Zivin, Joshua Graff and Matthew Neidell (2010), "Temperature and the Allocation of Time: Implications for Climate Change." *Journal of Labor Economics* Vol. 32, No. 1 (January 2014), pp. 1-26

## V. Discussion of final projects