

## Homework 6

Due Tuesday March 22/29/Apr 5, 2016

### Economics of Sustainability

K Foster, Colin Powell School CCNY, Spring 2015

*Readings are on Blackboard.*

The class forms into 9 groups; each group will present the highlights of the readings and their own reactions to it. Each group has a leader who will coordinate. With 34 people in the class this means most groups have 4 people while 2 groups have 3. Share your material on Blackboard (include names of everybody in the group). These readings are meant to be a floor not a ceiling so if you find something is missing then add more! You have discretion about how to present this info to your peers.

Mar 22	Group 8	<b>Discounting</b> Ken Arrow, "Discounting, Morality, and Gaming" Arrow, Cropper, Gollier, Groom, Heal, Newell, Nordhaus, Pindyck, Pizer, Portney, Sterner, Tol, Weitzman "How Should Benefits and Costs be Discounted in an Intergenerational Context?" <i>could also read <b>More Discounting</b></i> <i>Gollier, "Pricing the Future" (especially Chapters 1 &amp; 2)</i>
	Group 6	<b>Fat Tails</b> Weitzman, "Fat-Tailed Uncertainty in the Economics of Catastrophic Climate Change" Weitzman, "Fat Tails and the Social Cost of Carbon" Nordhaus, "The Economics of Tail Events with an Application to Climate Change" Weitzman, "Reactions to the Nordhaus Critique"
	Group 5	<b>Solar</b> Graziano & Gillingham, "Spatial Patterns of Solar Photovoltaic System Adoption: The Influence of Neighbors and the Built Environment" Baker, Fowlie, Lemoine, Reynolds, "The Economics of Solar Electricity" Bollinger & Gillingham, "Learning by Doing in Solar Photovoltaic Installations" Covert, Greenstone, Knittel, "Will We Ever Stop Using Fossil Fuels?" section on "Replacing Natural Gas and Coal in Electric Generation"
Mar 29	Groups 2 & 3	<b>Household Energy Efficiency</b> Fowlie, Greenstone, Wolfram, "Are the Non-Monetary Costs of Energy Efficiency Investments Large? Understanding Low Take-up of a Free Energy Efficiency Program" Newell & Siikamaki, "Individual Time Preferences and Energy Efficiency" Allcott, Knittel, Taubinsky, "Tagging and Targeting of Energy Efficiency Subsidies" Gerarden, Newell, Stavins, "Deconstructing the Energy-Efficiency Gap: Conceptual Frameworks and Evidence"

		<p>Allcott &amp; Taubinsky, "The Lightbulb Paradox: Evidence from Two Randomized Experiments"</p> <p>Allcott &amp; Kessler, "The Welfare Effects of Nudges: A Case Study of Energy Use Social Comparisons"</p> <p>Allcott &amp; Mullainathan, "Behavior and Energy Policy"</p>
	Group 9	<p><b>Clean Power Plan</b></p> <p>Pizer, Adler, Aldy, Anthoff, Cropper, Gillingham, Greenstone, Murray, Newell, Richels, Rowell, Waldhoff, Wiener, "Using and Improving the Social Cost of Carbon"</p> <p>Fowlie, Goulder, Kotchen, Borenstein, Bushnell, Davis, Greenstone, Kolstad, Knittel, Stavins, Wara, Wolak, Wolfram, "An Economic Perspective on the EPA's Clean Power Plan"</p> <p>Burtraw, Linn, Palmer, Paul "The Costs and Consequences of Clean Air Act Regulation of CO<sub>2</sub> from Power Plants"</p> <p>Stanton, Jackson, Biewald, Whited, "Implications of EPA's Proposed Clean Power Plan"</p>
Apr 5	Group 1	<p><b>Emissions Trading</b></p> <p>Schmalensee &amp; Stavins, "The SO<sub>2</sub> Allowance Trading System: The Ironic History of a Grand Policy Experiment"</p> <p>Schmalensee, Joskow, Ellerman, Montero, Bailey "An Interim Evaluation of Sulfur Dioxide Emissions Trading"</p> <p>Henry, Muller, Mendelsohn "The Social Cost of Trading: Measuring the Increased Damages from Sulfur Dioxide Trading in the United States"</p>
	Group 4	<p><b>Water, Lead</b></p> <p>Reyes, "Lead Exposure and Behavior: Effects on Antisocial and Risky Behavior among Children and Adolescents"</p> <p>Viscusi, Huber, Bell, "The Private Rationality of Bottled Water Drinking"</p> <p>Farzin &amp; Grogan, "Socioeconomic Factors and Water Quality in California"</p>
	Group 7	<p><b>Hurricanes</b></p> <p>Nordhaus, "Economics of Hurricanes and Implications for Global Warming"</p> <p>Stein, Buzcu-Given, Dueñas-Osorio, Subramanian, Kahle "How Risk Perceptions Influence Evacuations from Hurricanes and Compliance with Government Directives"</p> <p>Strobl, "Economic Growth Impact of Hurricanes: Evidence from US Coastal Counties"</p> <p>Curtis, Fussell, DeWaard, "Recovery Migration After Hurricanes Katrina and Rita: Spatial Concentration and Intensification in the Migration System"</p>