

A “Carbon Price is Right”: Harnessing the Market to Drive Down Carbon Emissions

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Panelist Bios

Knute Nadelhoffer (moderator) is a professor in the Dept. of Ecology & Evolutionary Biology at the University of Michigan and serves as Director of the University of Michigan Biological Station (UMBS), managing projects focused on human-environment interactions and climate change impacts in the Great Lakes region. He conducts research on relationships among terrestrial ecosystems, water quality, and the climate system. He has published over 125 peer-reviewed journal articles and book chapters describing ecological processes at local through global scales.

Sam Stolper is an Assistant Professor of environmental and energy economics at University of Michigan's School for Environment and Sustainability (SEAS), where his work focuses on the design and implementation of environmental policy that is both efficient and equitable. Prior to joining SEAS, Sam was a postdoctoral associate at MIT, jointly through the Department of Economics and the Center for Energy and Environmental Policy Research (CEEPR). He received a Ph.D. in public policy from Harvard University and a B.S. in biomedical engineering from Brown University.

Lisa Del Buono, MD is a surgical pathologist, specializing in GI and breast pathology. She trained at the University of Michigan and currently practices at Munson Hospital in Traverse City. Lisa has been an active member in the Grand Traverse Area Citizens' Climate Lobby since 2013 for which she has served as co-leader, liaison to U.S. Representative Jack Bergman, and a member of the Climate and Health Action Team. Lisa regularly gives presentations to the public about CCL's Carbon Fee & Dividend proposal and the health impacts of climate change.

Barry Rabe is the Harris Family Professor in the Gerald Ford School of Public Policy at the University of Michigan, where he directs the Center for Local, State and Urban Policy or CLOSUP. Barry is a political scientist who examines the political feasibility of policy innovation and his newest book, CAN WE PRICE CARBON? will be published in April by MIT Press. He is also a non-resident senior fellow at the Brookings Institution, which published three earlier books, including STATEHOUSE AND GREENHOUSE, which examined why some states have actively engaged on climate mitigation.

Resources

- “Can We Price Carbon?” by Barry Rabe, MIT Press, release date TBA
- National Surveys on Energy and Environment is an on-going biannual natural opinion survey on energy and climate policy, including carbon pricing. <http://closup.umich.edu/national-surveys-on-energy-and-environment/>
- Citizens’ Climate Lobby: <https://citizensclimatelobby.org/>
 - “The Economic, Climate, Fiscal, Power, and Demographic Impact of a National Fee-and-Dividend Carbon Tax” By Regional Economic Modeling, Inc. (REMI) <http://bit.ly/2ykOPKI>
 - REMI study results for our region: <http://bit.ly/2DS3r4K>
 - REMI clients: <http://www.remi.com/clients/>
 - Household Impacts Study <https://citizensclimatelobby.org/household-impact-study/>

- “Who Pollutes? A Household-Level Database of America’s Greenhouse Gas Footprint” by Kevin Ummel. (The top 10% of US polluters are responsible for 25% of the country’s GHG footprint, and the highest GHG footprints are found in America’s suburbs.) <http://bit.ly/2GnMOiK>
- Climate Leadership Council <https://www.clcouncil.org>
 - “A Climate Solution Where All Sides Can Win,” TED Talk by Ted Halstead about the Climate Leadership Council’s Carbon Dividends Plan
- Carbon Tax Center www.carbontax.org
- “Combating Global Climate Change: Why a Carbon Tax is a Better Response to Global Warming than Cap and Trade,” David M. Uhlmann and Reuven S. Avi-Yonah University of Michigan Law School, 2009. <http://bit.ly/2E68HVF>
- The U.S. Department of Treasury Office of Tax Analysis Methodology for Analyzing a Carbon Tax, 2017 https://www.clcouncil.org/media/Treasury_Analysis.pdf
- “The Impacts of a US Carbon Tax across Income Groups and states,” Resources for the Future, 2015. The authors say a returning revenues to households via a lump sum rebate is more progressive than corporate tax swap or cutting taxes on labor income. <http://www.rff.org/research/publications/impacts-us-carbon-tax-across-income-groups-and-states>

HEALTH

- “Cutting emissions pays for itself: Savings from healthier air can make up for some or all of the cost of carbon-reduction policies,” Andrey Resutek, Joint Program on the Science and Policy of Global Change, 2014. <http://news.mit.edu/2014/cutting-carbon-health-care-savings-0824>
- “Health and climate change: policy responses to protect public health,” The Lancet Commissions, 2015. <http://bit.ly/2ntLNy5>

CLIMATE SCIENCE BACKGROUND

- The U.S. Global Change Research Program (USGCRP) publishes National Climate Assessments that describe current understanding of climate change science, including overviews of likely impacts in the United States on a region-by-region basis. See <https://www.globalchange.gov/>
 - The Executive Summary of the most recent USGCRP report, entitled *The Climate Science Special Report: Fourth National Climate Assessment, Volume I (2017)* is at <https://science2017.globalchange.gov/chapter/executive-summary/>.
 - Earlier Assessments provide scientific details and explanations of climate science (<https://nca2014.globalchange.gov/report/appendices/climate-science-supplement>) and answers to frequently asked questions about climate change (<https://nca2014.globalchange.gov/report/appendices/faqs>)
- A short, simple explanation of how heat-trapping gases warm our planet is at <https://www.facebook.com/earth/videos/1647869398820163/>