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EDUCATION

PhD in Economics, 2011 – University of Texas at Austin. Dissertation: *Essays on the Optimal Policy Response to Climate Change*. Thomas Wiseman, Chair

MS in Economics, 2009 – University of Texas at Austin

BS in Economics, *cum laude*, 2004 – Duke University

PROFESSIONAL EXPERIENCE

Columbia University

- Research Scholar, SIPA Center on Global Energy Policy, 2018-2019

World Resources Institute

- Climate Economist, Global Climate Program, 2015-2017

White House, Executive Office of the President

- Deputy Associate Director for Energy & Climate Change, 2016-2017

NERA Economic Consulting

- Senior Consultant, Environment & Energy Practice, 2014-2015
- Consultant, Environment & Energy Practice, 2011-2014
- Analyst, Securities & Finance Practice, 2006-2007

Resources for the Future

- Research Analyst, summer 2008 & 2009

University of Texas at Austin

- Teacher's Assistant, Environment & Resource Economics; Microeconomics, 2007-2011

Keefe Bruyette & Woods, Inc.

- Analyst, Corporate Finance Department, 2004-2006

PUBLICATIONS

Academic journal articles

Bordoff, Jason, and Noah Kaufman (2018). A Federal US Carbon Tax: Major Design Decisions and Implications. *Joule*, 2(12), 2487-2491.

- Tuladhar, Sugandha, David W. Montgomery and Noah Kaufman (2015). Environmental policy for fiscal reform: can a carbon tax play a role? *National tax journal*, 68(1). 179-193.
- Kaufman, Noah (2014). Why is Risk Aversion Unaccounted for in Environmental Policy Evaluations? *Climatic Change*, 125(2), 127-135.
- Kaufman, Noah (2014). Overcoming the Barriers to the Market Performance of Green Consumer Goods. *Resource and Energy Economics*, 36(2), 487-507.
- Kaufman, Noah, and Karen Palmer (2012). Efficiency Program Evaluations: Opportunities for Learning and Inputs to Incentive Mechanisms, *Energy Efficiency*, 5(2), 243-268.
- Kaufman, Noah (2012). The Bias of Integrated Assessment Models that Ignore Climate Catastrophes, *Climatic Change*, 110(3-4), 575-595.

Other peer-reviewed publications

- Kaufman, Noah, John Larsen, Peter Marsters, Hannah Kolus and Shashank Mohan (2019). An Assessment of the Energy Innovation and Carbon Dividend Act, *Columbia SIPA Center on Global Energy Policy*. November 2019.
- Morris, Adele, Noah Kaufman, and Siddhi Doshi (2019). The Risk of Fiscal Collapse in Coal-reliant Communities, *Brookings Institution & Columbia SIPA Center on Global Energy Policy*. July 2019.
- Gundlach, Justin, Ron Minsk and Noah Kaufman (2019). Interactions between a Federal Carbon Tax and Other Climate Policies, *Columbia SIPA Center on Global Energy Policy*. March 2019.
- Kaufman, Noah and Kate Gordon (2018). The Energy, Economic, and Emissions Impacts of a Federal US Carbon Tax, *Columbia SIPA Center on Global Energy Policy*. July 2018.
- Kaufman, Noah, Eleanor Krause, and Kehan DeSousa (2018). Achieving U.S. Emissions Targets with a Carbon Tax. *World Resources Institute*. June 2018.
- Pacyniak, Gabe, Noah Kaufman et al. (2017). An Examination of Policy Options for Achieving Greenhouse Gas Emissions Reductions in New Jersey. *Rutgers University and Georgetown Climate Center*. September 2017. doi:10.7282/T30C4ZPZ.
- Kaufman, Noah and Eleanor Krause (2016). Putting a Price on Carbon: Ensuring Equity. *World Resources Institute*. April 2016.
- Kaufman, Noah, Michael Obeiter and Eleanor Krause (2016). Putting a Price on Carbon: Reducing Emissions. *World Resources Institute*. January 2016.

Kennedy, Kevin, Michael Obeiter and Noah Kaufman (2015). Putting a Price on Carbon: A Handbook for U.S. Policymakers. *World Resources Institute*. April 2015.

Policy Briefs, Consulting Reports & Expert Testimony

Sivaram, Varun and Noah Kaufman (2019). The Next Generation of Federal Clean Electricity Tax Credits. *Columbia SIPA Center on Global Energy Policy*. May 2019.

Kaufman, Noah (2018). A Comparison of the Bipartisan Energy Innovation and Dividend Act with Other Carbon Tax Proposals. *Columbia SIPA Center on Global Energy Policy* (republished by *Law360*). November 2018.

Kaufman, Noah (2018). A Carbon Tax Under Real-World Constraints. *Columbia SIPA Center on Global Energy Policy*. October 2018.

Kaufman, Noah (2018). Alternatives to the Social Cost of Carbon in Taxes and Subsidies. *Columbia SIPA Center on Global Energy Policy*. June 2018.

Kaufman, Noah, John Larsen, Shashank Mohan, Whitney Herndon, Peter Marsters, John Diamond and George Zodrow (2018). Emissions, Energy, and Economic Implications of the Curbelo Carbon Tax Proposal. *Columbia SIPA Center on Global Energy Policy*. July 2018.

Kaufman, Noah (2018). The Use of Current Social Cost of Carbon Estimates in Taxes and Subsidies. *Columbia SIPA Center on Global Energy Policy*. March 2018.

Kaufman, Noah, and Jonathan Elkind (2018). Can China's CO2 Trading System Avoid the Pitfalls of Other Emissions Trading Schemes? *Columbia SIPA Center on Global Energy Policy*. February 2018.

Kaufman, Noah and Eleanor Krause (2017). The Economic Impacts of the Clean Power Plan: How Studies of the Same Regulation Can Produce Such Different Results. *World Resources Institute*. Working Paper. January 2017.

Igusky, Kristin, Rebecca Gasper and Noah Kaufman (2016). How Illinois Can Meet Its Clean Power Plan Targets, *World Resources Institute*. April 2016.

Gasper, Rebecca, Kristin Igusky and Noah Kaufman (2016). How Wisconsin Can Meet Its Clean Power Plan Targets, *World Resources Institute*. May 2016.

Gasper, Rebecca, Kristin Igusky and Noah Kaufman (2016). How Missouri Can Meet Its Clean Power Plan Targets, *World Resources Institute*. January 2016.

Igusky, Kristin, Rebecca Gasper and Noah Kaufman (2016). How Michigan Can Meet Its Clean Power Plan Targets, *World Resources Institute*. January 2016.

Igusky, Kristin, Rebecca Gasper and Noah Kaufman (2015). How Pennsylvania Can Meet Its Clean Power Plan Targets, *World Resources Institute*. November 2015.

Ambachtsheer, Jane, Noah Kaufman, et al. (2015). Investing in a Time of Climate Change. *Mercer Climate Change*. April 2015

Kaufman, Noah (2015). Avoided Costs of Electricity for Residential Solar Customers in Selected Public Utility Service Areas: 2015-2035. *NERA Economic Consulting* (private report prepared for a residential solar company).

Harrison, David, and Noah Kaufman (2015). Economic Analysis of the Effects of Fuel Economy and Fuel Economy Misstatements on the Market Price of Vehicles. *NERA Economic Consulting* (private report prepared for an automobile manufacturer).

Harrison, David, and Noah Kaufman (2014). Economics in Environmental Decision-making: US Environmental Protection Agency Provides for Site-Specific Cost-Benefit Analysis in Setting 316(b) Clean Water Standards, *NERA Economic Consulting*. March 2014.

Harrison, David, and Noah Kaufman (2014). Prepared Rebuttal Testimony of David Harrison Jr. and Noah Kaufman on behalf of Public Service New Hampshire, July 11, 2014. *Expert Testimony before the New Hampshire Public Utilities Commission*.

Kaufman, Noah (2014). Annual Energy Outlook Projections and the Future of Solar PV Electricity, *New York University School of Law: Institute for Policy Integrity*. April 2014.

Harrison, David, and Noah Kaufman (2014). Competitive Effects of Removing an Engine Standard from Phase 2 Greenhouse Gas Regulations for Heavy Duty Trucks, *NERA Economic Consulting* (private report prepared for a truck engine manufacturer).

Harrison, David, Andrew Foss, Noah Kaufman and Andrew Locke (2014). Environmental Costs and Economic Impacts of the Emissions Reduction and Capacity Replacement Plan: prepared for NV Energy, Inc. *NERA Economic Consulting*.

Harrison, David, and Noah Kaufman (2014). Economic Analysis of a Component (Vehicle and Engine) Approach to Phase 2 Greenhouse Gas Emissions Standard for U.S. Commercial Vehicles. *NERA Economic Consulting* (private report prepared for a truck engine manufacturer).

Falk, Jonathan, Noah Kaufman and Stephen Buryk (2013). Effective Use of Demand Side Resources: The Continued Need for Availability Payments. *NERA Economic Consulting*. October 2013.

Harrison, David, and Noah Kaufman (2013). Benefits and Costs of Cylindrical Wedgewire Screens and Cooling Towers at IPEC, prepared for Entergy Nuclear Indian Point 2, LLC and Entergy Nuclear Indian Point 3, LLC. *NERA Economic Consulting*.

Harrison, David, Andrew Foss and Noah Kaufman (2013). "Wholly Disproportionate" Assessments of Cylindrical Wedgewire Screens and Cooling Towers at IPEC: prepared for Entergy Nuclear Indian Point 2, LLC and Entergy Nuclear Indian Point 3, LLC. *NERA Economic Consulting*.

Harrison, David, Andrew Foss and Noah Kaufman (2013). A Carbon Dioxide Standard for Existing Power Plants: Impacts of the NRDC Proposal. *NERA Economic Consulting* (private report prepared for a trade association).

Smith, Anne, & Noah Kaufman (2013). The U.S. Government's Updated Social Cost of Carbon and Implications for Including Greenhouse Gas Emission Benefits in Cost Benefit Assessments. *NERA Economic Consulting* (private report prepared for an energy company).

Smith, Anne, Noah Kaufman et al. (2013). Economic Outcomes of a U.S. Carbon Tax, *NERA Economic Consulting* (private report prepared for a trade association).

Harrison, David, Noah Kaufman et al. (2012) Comments on EPA's Notice of Data Availability for §316(b) Stated Preference Survey. *NERA Economic Consulting: Prepared for: Utility Water Act Group and Edison Electric Institute*. July 2012.

Harrison, David, Noah Kaufman and Nicholas Hodges (2012). Report on the Socioeconomic Effects to Mid-Atlantic States of the Relicensing of Hydroelectricity Facilities. *NERA Economic Consulting* (private report prepared for an energy company).

Harrison, David, Andrew Foss and Noah Kaufman (2012). Environmental and Economic Impacts of the Second Amendment to the 2010 Integrated Resource Plan: prepared for Sierra Pacific Power. *NERA Economic Consulting*.

Harrison, David, Noah Kaufman and Nicholas Franco (2012). Benefit-Cost Analysis of Alternative Technologies and Operational Measures of Cooling Water System Alternatives at Millstone Power Station: prepared for Dominion Energy. *NERA Economic Consulting*.

Harrison, David, Andrew Foss and Noah Kaufman (2012). Comments on EPA's Notice of Data Availability for §316(b) Stated Preference Survey: prepared for Utility Water Act Group and Edison Electric Institute. *NERA Economic Consulting*.

Harrison, David, Andrew Foss and Noah Kaufman (2012). Environmental and Economic Impacts of the 2012 Integrated Resource Plan: prepared for Nevada Power Company. *NERA Economic Consulting*.

Harrison, David, Andrew Foss and Noah Kaufman (2012). Economic Analysis of Cooling Water Intake Alternatives at Merrimack Station: prepared for Public Service of New Hampshire. *NERA Economic Consulting*.

Harrison, David, and Noah Kaufman (2012). Report on the Economic Impacts of the Construction and Operation of Gas-to-Liquids Facilities in U.S. and Canada, *NERA Economic Consulting* (private report prepared for a large energy company).

Harrison, David, Noah Kaufman, Andrew Foss, and Marta Łuczyńska (2012). Preliminary Economic Analysis of Cooling Water Intake Alternatives at Merrimack Station. *NERA Economic Consulting: Prepared for: Public Service of New Hampshire*.

Harrison, David, Andrew Foss and Noah Kaufman (2011). Environmental and Economic Impacts of the First Amendment Supplemental Filing to the 2009 Integrated Resource Plan: prepared for Nevada Power Company. *NERA Economic Consulting*.

Harrison, David, Noah Kaufman et al. (2011). Comments on Economic Issues Related to EPA's Proposed Regulations for Cooling Water Intake Structures at Existing Facilities. *NERA Economic Consulting: prepared for the Utility Water Act Group*.

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Commentaries & Media Publications

Sivaram, Varun and Noah Kaufman (2019). Updating clean energy tax credits could help commercialize new tech. *Axios Expert Voices*. June 3, 2019.

Kaufman, Noah (2019). A Clean Electricity Standard's Weaknesses May Be Its Biggest Strengths. *Columbia SIPA Center on Global Energy Policy*. May 8, 2019.

Kaufman, Noah (2019). Leading Economists Offer 5 Carbon Tax Recommendations: 3 1/2 are Basic Principles of Economics. *Columbia SIPA Center on Global Energy Policy*. January 16, 2019.

Kaufman, Noah (2018). Oil industry and climate activists agree on one solution: a carbon tax. *The Hill*. July 23, 2018.

Kaufman, Noah (2018). Putting a price on vehicle emissions is better policy than it seems. *Columbia SIPA Center on Global Energy Policy*. August 10, 2018.

Kaufman, Noah (2017). With New Jersey Poised to Slash Greenhouse Gas Emissions, A National Plan Could Show the Way. *World Resources Institute*. September 21, 2017.

Kaufman, Noah (2017). Why the Social Cost of Carbon Is Critical for America to Make Sound Policies. *World Resources Institute*. March 17, 2017.

Kaufman, Noah, Rebecca Gasper and Kristin Igusky (2017). U.S. Chamber of Commerce's Energy Institute Misleads on Climate Action Costs: 3 Things to Know. *World Resources Institute*. April 26, 2017.

Kaufman, Noah (2017). Heritage Foundation Gets It Wrong on Costs and Benefits of Climate Action. *World Resources Institute*. March 28, 2017.

Kaufman, Noah (2017). Republican-Proposed "Carbon Dividend" Is a Great Sign of Progress. *World Resources Institute*. February 10, 2017.

Tomkins, C. Forbes, Kelly Levin and Noah Kaufman (2017). 4 Irrefutable Truths About Climate Change Science. *World Resources Institute*. January 31, 2017.

Kaufman, Noah (2017). No Evidence for Scott Pruitt's Claims that U.S. Clean Power Plan Will Make Electricity Unaffordable. *World Resources Institute*. January 19, 2017.

Kaufman, Noah (2016). Help for Coal Country with a Carbon Fee? *Charleston Gazette-Mail*. April 8, 2016.

Kaufman, Noah (2016). A Climate Change Policy That Benefits the Poor. *The Huffington Post*. October 23, 2016.

Kaufman, Noah (2016). Carbon Tax vs. Cap-and-Trade: What's a Better Policy to Cut Emissions? *World Resources Institute*. March 1, 2016.

Kaufman, Noah (2016). A Carbon Price Will Reduce Emissions More than Computer Models Predict, *World Resources Institute*. January 13, 2016.

Kaufman Noah (2015). How Critics Try (and Fail) to Attack Carbon Pricing. *World Resources Institute*. November 25, 2015.

Kaufman, Noah (2015). We Benefit from Life Insurance, So Why Not Climate Insurance? *The Energy Collective*. January 6, 2015.

Kaufman, Noah (2014). Achieving DoE's SunShot Goals Could Dramatically Reduce the Costs and Benefits of EPA's Climate Rule, *The Energy Collective*. November 4, 2015.

Publications for which I served as a Primary Editor

Larsen, John, Shashank Mohan, Peter Marsters and Whitney Herndon (2018). Energy and Environmental Implications of a Carbon Tax in the United States, *Columbia SIPA Center on Global Energy Policy*. Edited by Noah Kaufman. July 2018.

Rosenberg, Joseph, Eric Toder and Chenxi Lu (2018). Distributional Implications of a Carbon Tax, *Columbia SIPA Center on Global Energy Policy*. Edited by Noah Kaufman. July 2018.

Diamond, John, and George Zodrow (2018). The Effects of Carbon Tax Policies on the US Economy and the Welfare of Households, *Columbia SIPA Center on Global Energy Policy*. Edited by Noah Kaufman. July 2018.

U.S. Interagency Group. (2016). United States Mid-Century Strategy for Deep Decarbonization, *White House Executive Office of the President*. November 2016.

SELECTED PRESENTATIONS

Kaufman, Noah, and Adele Morris (2019). The Risk of Fiscal Collapse in Coal-Reliant Communities. *Brookings Institution 8th Annual Municipal Finance Conference*. Washington D.C. July 2019.

Kaufman, Noah (2019). The Next Generation of Federal Clean Electricity Tax Credits. *The Next Generation of Clean Electricity Tax Credits, organized by Columbia SIPA Center on Global Energy Policy*. Washington D.C. June 2019.

Kaufman, Noah (2019). Impacts of the Energy Innovation & Carbon Dividend Act. *10th annual Citizens' Climate International Conference, organized by Citizens' Climate Lobby*. Washington D.C. June 2019.

Kaufman, Noah (2019). Pricing Carbon in the United States. *EPRI's 22nd Energy and Climate Research Seminar, organized by the Electric Power Research Institute*. Washington DC. May 2019.

Kaufman, Noah (2018). Emissions, Energy and Economic Implications of the Curbelo Carbon Tax Proposal. *Congressman Curbelo and Carbon Tax Policy, organized by the Columbia SIPA Center on Global Energy Policy*. Washington DC. July 2018

Kaufman, Noah (2017). The long-term outlook: pathways to net-zero emissions. *Oil and gas in a carbon-constrained world: perspectives, challenges, and opportunities, organized by the United Nations Environment and IPIECA*. Paris, France. April 2017.

Kaufman, Noah (2017). Climate Policy and the Economy. *A Bipartisan Climate Change Solution, organized by Johns Hopkins University SAIS*. Washington DC. March 2017.

Kaufman, Noah (2017). The Realities of Moving Forward: Embracing Tomorrow – Resources and Collaborations. *National Energy Conference 2016, organized by West Virginia University College of Law*. Morgantown, WV. April 2016.

Kaufman, Noah (2017). National Mid-Century Strategies. *Can the United States Achieve a Low Carbon Economy by 2050?, organized by The Environmental and Energy Study Institute*. Washington D.C. March 2016.

Kaufman, Noah (2010). The Bias of Integrated Assessment Models that Ignore Climate Catastrophes. *The World Congress of Environmental and Resource Economists*. Montreal, Canada. July 2010.