

# Joel R. Landry

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## Contact Information:

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## EMPLOYMENT HISTORY

*Assistant Professor of Environmental and Energy Economics (July 2014 to present)*

John and Willie Leone Family Department of Energy and Mineral Engineering, The Pennsylvania State University, University Park

## EDUCATION

Cornell University, Charles H. Dyson School of Applied Economics and Management, Ph.D. in Economics and Computer Science minor. June 2014.

University of Maryland at College Park, School of Public Policy, M.S. in Public Policy. June 2007.

Southern Illinois University at Carbondale (*magna cum laude*), B.A. in Economics, B.A. in Political Science, and Philosophy minor. December 2003.

## PERSONAL INFORMATION

Year of Birth: 1981    Gender: Male    Citizenship: U.S.

## RESEARCH FIELDS

**Primary Field:** Environmental and Energy Economics

**Secondary Fields:** Public Finance, Political Economy

## RESEARCH PAPERS

### *Publications*

**The Political Allocation of Green Pork and Its Implications for Federal Climate Policy.** *Journal of Public Economics*, September 2021, 201: 104483.

**Emissions and Health Implications of Pennsylvania's Entry Into the Regional Greenhouse Gas Initiative** (with Wei Peng, Hui Yang, An Pham, and Seth Blumsack). Forthcoming, *Environmental Science & Technology*.

**Think Globally, Cap Locally, and Trade Widely: Efficient Decentralized Policymaking in the Presence of Spillovers.** *Journal of the Association of Environmental and Resource Economists*, January 2021, 8(1): 91-124.

**Prospects for Pennsylvania in the Regional Greenhouse Gas Initiative** (with Seth Blumsack, Andrew Bell, Mingsong Chen, Seamus Gibbons, Daniel Mallinson, Wei Peng, An Pham, Daniel Walters, and Hui Wang). A report prepared on behalf of the *Pennsylvania State University Center for Energy Law and Policy*, January, 2021.

**On the Trade-Offs of Regulating Multiple Unpriced Externalities with a Single Instrument: Evidence from Biofuel Policies** (with Antonio M. Bento). *Energy Economics*, January 2020, 85: 1-13.

**Does Titling Matter? Evidence from Housing Markets in India** (with Antonio M. Bento and Soumik Lall). *Review of Regional Studies*, 2018, 48(3): 377-400.

**Are there Carbon Savings from U.S. Biofuel Policies? The Critical Importance of Accounting for Leakage in Land and Fuel Markets** (with Antonio M. Bento and Richard Klotz). *The Energy Journal*, 2015, 36(3): 75-109.

### *Papers Under Review*

**Fiscal Federalism Under Political Failure: New Results and an Application to U.S. Climate Policy.**

**The Use of Target and Trade Systems to Achieve Vaccination Goals.**

**Marginal Emissions Pathways and Mitigation Pledges** (with Richard Klotz and Antonio M. Bento).

### *Working Papers*

**Assessing the Direct and Strategic Impacts of Voluntary Entry into Regional Cap and Trade Systems** (with An Pham, Seth Blumsack, Mingsong Chen, and Seamus Gibbons).

**How do Federal Bureaucracies Balance Efficiency, Distributional, and Political Considerations When Creating New Regulations?** (with Joseph M. Perla).

**Who's Ready To Trade? Voluntary Allowance Market Linking Under a National Cap and Trade System Given Overlapping Regional Allowance and Electricity Markets** (with An Pham).

**Policy Competition for Greenhouse Gas Emissions Mitigation and the Preferred Social Cost of Carbon.**

**Should e-Cigarettes be Taxed Like Conventional Cigarettes?** (with Kyle Rozema).

**Decentralized Policymaking when States can form Coalitions: How Does California's Waiver Authority Affect Environmental Outcomes?** (with Antonio M. Bento and Daniel T. Kaffine).

### *Works in Progress*

**The Feasibility of Carbon Pricing within Regional Electricity Markets** (with An Pham, first author, and Mingsong Chen).

**The Implications of Automation on Labor and Capital Tax Competition and Public Goods.**

**Linking Housing and Automobile Purchase Decisions: Do Housing Supply Regulations Promote Green Cities?** (with Antonio M. Bento, Sanket Roy, and Edson Severnini).

**The Unintended Congestion Cost and Greenhouse Gas Emissions Impacts of Solar Policies in California** (with Andrew R. Waxman, An Pham, Joshua Langevin, and Sam Collura).

**Optimal Scale of a Novel Coal to Liquids Technology** (with Seth Blumsack and Farid Tayari).

## TEACHING EXPERIENCE

Applied Welfare Economics (EME 525), instructor. Spring 2016, 2017, 2018, 2019, 2020, 2021

Energy Economics (EBF 484), instructor. Fall 2015, 2016, Spring 2018, 2019, 2020, 2021

Introduction to Environmental and Energy Economics (EBF 200), instructor. Spring 2015, 2016, Fall 2017, 2018, 2019, 2020

Applied Microeconomics I (PhD course, Cornell University, AEM 7010) for Prof. Richard Boisvert and Prof. Jura Liaukonyte Fall 2012 and 2013

Introductory Statistics and Mathematics for PhD Students (PhD course, Cornell University, AEM 6940) for Prof. Richard Boisvert and Prof. David Just Fall 2012

Environmental Economics (undergraduate course, Cornell University, AEM 4510/ECON 4090) for Prof. Shanjun Li Spring 2012-2014

Consumer Behavior (undergraduate course, Cornell University, AEM 3440) for Prof. Brian Wansink Fall 2011

International Trade and Public Finance Macroeconomics (undergraduate course, Cornell University, AEM 2300 / ECON 2300) for Prof. David R. Lee Spring 2010

Statistics for Policy Analysis (graduate course, University of Maryland, PUA 611) for Prof. Antonio M. Bento Spring 2007

## TEACHING SERVICE

Joseph Perla, Ph. D. Co-advisor. Current

An Pham, Ph. D. Advisor. Matriculated, Spring 2021 (post-doc, University of Michigan)

Jung-wei Hung, Master. Advisor. Summer 2016

Brayam Valqui Ordonez, Master. Advisor. Spring 2016

Undergraduate service: adviser to 80+ students 2014-2020; 10 undergraduate research assistants mentored

Graduate service: Ph.D. committee service (6 students); Masters committee service (2 students); exam service (20 students)

## RESEARCH ASSISTANCE

RA for Prof. Antonio M. Bento, Applied Economics and Management, Cornell University Fall 2007 – Fall 2010

RA for Prof. Antonio M. Bento, School of Public Policy, University of Maryland, College Park and National Center for Smart Growth Research and Education Fall 2004 – Fall 2006

## TEACHING AWARDS

Outstanding Graduate Teaching Assistant, College of Agricultural and Life Sciences, Cornell University  
Spring 2010

## FUNDING

John and Willie Leone Department of Energy and Mineral Engineering. "EME 2020 Undergraduate Summer Internship Program." Provided summer funding in FY2021 for guided undergraduate research (two students).

The Center for Energy Law and Policy. "Prospects for Pennsylvania in the Regional Greenhouse Gas Initiative." FY 2020-2021. (awarded \$30,000; award accepted).

The Pennsylvania State University Institutes for Energy and the Environment. Faculty Associate. "Energy 2100: Ensuring a Carbon-neutral, Global Energy Economy." (awarded \$250,000; award accepted).

College of Earth and Mineral Sciences Gladys Snyder Grant Program. PI. "The Unintended Congestion Cost and Greenhouse Gas Emissions Impacts of Solar Policies in California." FY2019-2020. (awarded \$10,000; award accepted).

The Pennsylvania State University College of Earth and Mineral Sciences Research Incentive Funds. PI. "Can Decentralized Mitigation Under the Paris Agreement Keep Mean Global Temperature Rise Below 2°C?" FY2018-2019. (awarded \$5,000; award accepted).

Somerset Coal International. Co-PI. "Scale and Location Economies of a Novel Coal to Liquids Process in Pennsylvania." FY2017-2018. (awarded \$130,684; award accepted).

Population Research Institute Spring 2016 Seed Grant Program. PI. "Evaluating the Aggregate Public Health Impacts of New Information Campaigns Targeting e-Cigarettes" FY2016-2017. \$10,000 (awarded \$9,500; award accepted).

College of Earth and Mineral Sciences Gladys Snyder Grant Program. PI. "What are the Economic and Emissions Impacts of New Climate Regulations on Big Trucks?" FY2016-2017. \$10,000 (awarded \$10,000; award accepted).

Energy Institute Grant Program. Co-PI. "The New Cooperative Federalism of the Clean Power Plan: How Greater Flexibility in State Policy Choices Affects Efficiency Costs and Wholesale Electricity Markets." FY2016-2017. \$10,000 (awarded \$10,000; award accepted).

Population Research Institute Fall 2015 Seed Grant Program. PI. "Should e-cigarettes be Regulated Like Conventional Cigarettes? Evaluating the Economic and Public Health Costs of Optimal e-Cigarette Regulation." FY2016-2017. \$10,000 (awarded \$500; award declined).

## PRESENTATIONS

The Pennsylvania State University, October 2020. Center for Energy Law and Policy. "What does Joining the Regional Greenhouse Gas Initiative Mean for Energy Costs and the Power Grid In Pennsylvania?" [Invited speaker].

Pennsylvania Department of Environmental Protection, August 2020. "Evaluating the Impacts of RGGI on Electricity Market Outcomes in Pennsylvania and PJM" [Invited presentation].

Association of Environmental and Resource Economists Summer Virtual Conference, June 2020. "Decentralized Policymaking when States can form Coalitions: How Does California's Waiver Authority Affect Environmental Outcomes?"

Delaware Valley University, December 2019. "The Benefits of Doing Something about Climate Change." [Invited speaker].

University of Texas, Austin, November 2019. Energy Institute Energy Symposium. "Political Permit Allocations and the Feasibility of Federal Climate Policy." [Invited speaker].

Western Economics Association International 2019 Annual Conference, San Francisco, CA, July 2019. "Think Globally, Cap Locally, and Trade Often: The Critical Importance of Virtual Markets for Efficient Decentralized Policymaking in the Presence of Spillovers."

Northeastern Agricultural and Resource Economics Association 2019 Annual Conference, Portsmouth, NH, June 2019. "Think Globally, Cap Locally, and Trade Often: The Critical Importance of Virtual Markets for Efficient Decentralized Policymaking in the Presence of Spillovers."

Citizens Climate Lobby, State College, PA, April 2019. "The Benefits of Doing Something about Climate Change." [Invited speaker].

National Tax Association, Annual Conference on Taxation, New Orleans, LA, November 2018. "Think Globally, Cap Locally, and Trade Often: The Critical Importance of Virtual Markets for Efficient Decentralized Policymaking in the Presence of Spillovers."

Environmental and Energy Economics and Policy Seminar, The Pennsylvania State University, University Park, PA, October 2018. "Think Globally, Cap Locally, and Trade Often: The Critical Importance of Virtual Markets for Efficient Decentralized Policymaking in the Presence of Spillovers."

Sustainability in Energy and Mineral Resources Engineering: an EME Research Showcase. University Park, PA, September 2018. "Making Sense of Uncoordinated Efforts to Address Climate Change." [Invited speaker].

10<sup>th</sup> International Workshop on Empirical Methods in Energy Economics, University of Southern California, Los Angeles CA, June 2017. "Who's Ready to Trade? The Welfare Implications of Voluntary Emissions Trading Within Regional Electricity Markets."

Western Economics Association International Conference, Santiago, Chile, January 2017. "Who's Ready to Trade? The Welfare Implications of Voluntary Emissions Trading Within Regional Electricity Markets." [Invited speaker].

PJM, King of Prussia Park, PA, December 2016. "The Challenge of Uncoordinated State Environmental Regulations Within Regional Electricity Markets."

National Tax Association, Annual Conference on Taxation, Baltimore, MD, November 2016. "Should We Tax or Subsidize e-Cigarettes? Identifying the Optimal Price Instrument in the Presence of Dynamic Health Trade-offs."

Conference on Climate, Carbon and Costs, Society of Petroleum Engineers Penn State and Society of Mining Engineers Penn State. University Park, PA, October 2016. "Making Sense of U.S. Efforts to Address Anthropogenic Climate Change." [Invited speaker].

Initiative for Sustainable Electric Power Systems, Workshop on Power Systems and Markets, University Park, PA, November 2015. "Overlapping Regulatory Authorities: Strategic State Compliance With the Clean Power Plan Within Wholesale Electricity Markets."

Association of Environmental and Resource Economists 2015 Summer Conference, June 2015. "Linking Housing and Automobile Purchase Decisions: Do Housing Supply Regulations Promote Green Cities?"

International Association for Energy Economics 38<sup>th</sup> International Conference, May 2015. "Economic Insights Required for Using Lifecycle Analysis for Policy Decisions."

The Pennsylvania State University, October 2014. "Economic Insights Required for Using Lifecycle Analysis for Policy Decisions."

Cornell University, August 2014. "Taxed to an Untimely Demise: the Promise and Peril of Using Pigouvian Taxes to Finance Highways."

Towson University, February 2014. "How Disagreement Regarding Climate Change Affects Federal and State Efforts to Address It."

Hong Kong University of Science and Technology, February 2014. "How Disagreement Regarding Climate Change Affects Federal and State Efforts to Address It."

University of Illinois, Urbana-Champaign, January 2014. "How Disagreement Regarding Climate Change Affects Federal and State Efforts to Address It."

The New Economic School, January 2014. "How Disagreement Regarding Climate Change Affects Federal and State Efforts to Address It."

University of Alberta, January 2014. "How Disagreement Regarding Climate Change Affects Federal and State Efforts to Address It."

The Pennsylvania State University, January 2014. "How Disagreement Regarding Climate Change Affects Federal and State Efforts to Address It."

Allied Social Sciences Association 2014, January 2014. "How Disagreement Regarding Climate Change Affects Federal and State Efforts to Address It."

Cornell University Environmental Economics Bootcamp, August 2013. "On the Trade-Offs of Regulating Multiple Unpriced Externalities with a Single Instrument: Evidence from Biofuel Policies."

Association of Environmental and Resource Economists 2012 Summer Conference, June 2012. "The Tyranny of Heterogeneity: The Implications for Federal Policy-making to Address Climate Change in the Presence of Heterogeneity in Environmental Preferences."

Western Economics Association International 2011 Annual Conference, July 2011. "Are there Carbon Savings from US Biofuel Policies? The Critical Importance of Accounting for Leakage in Land and Fuel Markets."

Agricultural and Applied Economics Association 2011 Annual Conference, July 2011. "Are there Carbon Savings from US Biofuel Policies? The Critical Importance of Accounting for Leakage in Land and Fuel Markets."

Second International Conference on Computational Sustainability, May 2010. "Parameter Estimation of CGE Models for Evaluating US Biofuels Policies." (poster)

Occasional California Workshop in Environmental and Resource Economics, November 2009. "Evaluating the Efficiency Impacts of US Biofuels Policies."

Heartland Environmental Economics Workshop, October 2009. "Evaluating the Efficiency Impacts of US Biofuels Policies." (co-presenter with Prof. Antonio M. Bento)

University of Colorado Boulder Environmental Economics Workshop, September 2009. "Evaluating the Efficiency Impacts of US Biofuels Policies." (co-presenter with Prof. Antonio M. Bento)

Camp Resources XIV, August 2009. "Evaluating the Efficiency Impacts of U.S. Biofuels Policies."

Boyce Thompson Institute, Cornell University, December 2007. "Welfare Evaluation of the Volumetric Ethanol Excise Tax Credit, with Implications for NY State Policy."

## MEMBERSHIP AFFILIATIONS

American Economic Association

Association of Environmental and Resource Economists

International Association for Energy Economics

Agricultural and Applied Economics Association

National Tax Association

## REFEREE SERVICE

Journal of the Association of Environmental and Resource Economists, Energy Journal, American Journal of Agricultural Economics, Nature Climate Change, Resource and Energy Economics, Canadian Journal of Economics, Network and Spatial Economics, Agriculture and Resource Economics, Research in Law and Economics, Environmental and Resource Economics.

Conference reviewer, American Association of Environmental and Resource Economics, 2017 Annual Conference.

Conference reviewer, 6th World Congress of Environmental and Resource Economists, 2018.

Conference reviewer, American Association of Environmental and Resource Economics, 2019 Annual Conference.

## PROFESSIONAL EXPERIENCE

Development Economics Research Group, World Bank, Consultant

2005 to 2006

## OTHER

Programming: Stata, Matlab, ArcMap

Languages: French (reading proficiency).

## REFERENCES

Prof. Antonio M. Bento  
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of Economics, University of Southern California  
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Prof. Ravi Kanbur  
Charles H. Dyson School of Applied Economics and  
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