

Noah C. Dormady

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RESEARCH & TEACHING FIELDS *Energy & Environmental Policy; Energy Markets; Deregulation; Emissions Markets; Auctions & Strategic Behavior; Economics of Disasters; Economic Resilience; Risk & Decision Analysis*

EDUCATION Ph.D., *Public Policy, Planning and Development* 2012
Price School of Public Policy
University of Southern California (USC)
Recipient: *Henry Reining Jr. Award for Best Dissertation in Public Policy*

M.A., *Political Science* 2006
University of California, Riverside

B.A., *Political Science (Cum Laude)* 2004
University of California, Riverside

APPOINTMENTS Assistant Professor (tenure-track) 2012—
John Glenn College of Public Affairs
The Ohio State University

Fellow 2016—
Center for Risk and the Economic Analysis of Terrorism Events (CREATE)
U.S. Dept. of Homeland Security (DHS) National Center of Excellence
University of Southern California (USC)

Faculty Affiliate and Co-PI 2016—
Critical Infrastructure Resilience Institute (CIRI)
U.S. Dept. of Homeland Security (DHS) National Center of Excellence
University of Illinois, Urbana-Champaign

Associated Faculty 2012—2016
Battelle Center for Science and Technology Policy
The Ohio State University

Associate/Adjunct Faculty 2008
Department of Political Science
Chaffey College

Associate/Adjunct Faculty 2008
Department of Political Science
Mt. San Jacinto College

Staff Member 2004—2008
United States Senate
Office of U.S. Senator Barbara Boxer

**PEER-REVIEWED
PUBLICATIONS**

- Dormady, N.**, Rose, A., Rosoff, H. & Roa-Henriquez, A. Forthcoming. Estimating the Cost-Effectiveness of Resilience to Disasters: Survey Instrument Design & Refinement of Primary Data. In, Ruth, M., & Reiemann, S.G. (Eds). *Handbook on Resilience of Socio-Technical Systems*. Cheltenham: Edward Elgar.
- Dormady, N.**, & Ellis, R. 2018. Energy-Transport Sector Interdependence in Extreme Events: The Case of a Hurricane Event in Boston. *Current Sustainable/Renewable Energy Reports*, Special Issue: Energy Markets. 1-13.
- Young, K., Greenbaum, R. & **Dormady, N.** 2017. Sex, Gender and Disasters: Experimental Evidence on the Decision to Invest in Resilience. *International Journal of Disaster Risk Reduction*, 24: 439-450.
- Dormady, N.** 2017. Having Your Cake and Eating it, Too: Ohio's Proposals to Re-Regulate through Power Purchase Agreements. *The Electricity Journal*, 30(5): 42-46.
- Dormady, N.** 2016. Carbon Auction Revenue and Market Power: An Experimental Analysis. *Energies*, 9(11): Article No. 897.
- Dormady, N.** & Englander, A.G. 2016. Carbon Allowances and the Demand for Offsets: A Comprehensive Assessment of Imperfect Substitutes. *Journal of Public Policy*, 36(1): 139-167.
- Wei, D., **Dormady, N.** & Rose, A. 2015. Development of Reduced-Form Models to Evaluate Macroeconomic Impacts of Greenhouse Gas Mitigation. *Journal of Sustainable Energy Engineering*, 2(4): 377-397.
- Dormady, N.** 2014. Carbon Auctions, Energy Markets & Market Power: An Experimental Analysis. *Energy Economics*, 44: 468-482.
- Dormady, N.**, Szelazek, T. & Rose, A. 2014. The Potential Impact of an Anthrax Attack on Real Estate Prices and Foreclosures in Seattle. *Risk Analysis*, 34(1): 187-201.
- Dormady, N.** 2013. Market Power in Cap-and-Trade Auctions: A Monte Carlo Approach. *Energy Policy*, 62: 788-797.
- Dormady, N.** 2013. The Political Economy of Collaborative Organization. *Administration & Society*, 45(6): 748-772.
- Rose, A., Wei, D. & **Dormady, N.** 2011. Macroeconomic Assessment of the Pennsylvania Climate Action Plan. *Regional Science Policy and Practice*, 3(4): 357-379.
*Winner: Economic Analysis Award, Regional Economic Models Inc. (REMI), 2012
- Rose, A., & **Dormady, N.** 2011. A Meta-Analysis of the Economic Impacts of Climate Change Policy in the United States. *The Energy Journal*, 32(2): 143-166.

**PAPERS IN
PROGRESS**

- Dormady, N.**, Jiang, Z. & Hoyt, M. Do Markets Make Good Commissioners: A Quasi-Experimental Analysis of Retail Electric Restructuring in Ohio. (revise & resubmit)
- Dormady, N.** & Healy, P.J. The Consignment Mechanism in Carbon Markets: A Laboratory Investigation. (revise & resubmit)
- Dormady, N.**, Roa-Henriquez, A. & Rose, A. The Resilience of the Firm: A Production Theory Approach. (under review)

Dormady, N. Greenbaum, R. & Young, K. Resilience Decisions of the Firm: An Experimental Analysis of Dynamic Decision-Making in Repeated Disasters. (under review)

Dormady, N. Hoyt, M. Roa-Henriquez, A. & Welch, W. Who Pays in Deregulated Electricity Markets: A Panel Analysis of Cross-Subsidization from Ohio Complete Bill Data. (under review)

Rose, A., & **Dormady, N.** Dynamic Economic Resilience & Economic Recovery: A Focus on Investment.

Dormady, N. Convergence Bidding in Deregulated Electricity Markets.

CURRENT GRANTS

National Center for the Middle Market. 2014-2015. *An Experimental Analysis of Middle Market Resilience: Gender, Frequency & Information*. \$68k. (PIs: **Dormady, N.** & Greenbaum, R.).

National Science Foundation (NSF). 2014-2017. *An Integrated Approach to Measuring Dynamic Economic Resilience Following Disasters*. \$493k. (PIs: Rose, A., Tierney, K. & **Dormady, N.**).

Department of Homeland Security (DHS). 2016-2018. *Analyzing and Measuring Economic Resilience to Disasters*. \$250k. (PIs: Rose, A., **Dormady, N.** & Rosoff, H.).

Department of Homeland Security (DHS). 2016-2017. *Resilience Governance*. \$400k. (PIs: Flynn, S., Ruth, M. & **Dormady, N.**).

National Science Foundation (NSF). 2016-2019. *A Novel Dynamically-Coupled Storm Surge Hazard-Infrastructure Model for Effective Real-Time Risk-Informed Decision Making*. \$487k. (PIs: Shafieezadeh, A., **Dormady, N.** & Kubatko, E.).

Office of Energy and Environment, The Ohio State University. 2016-2017. *Energy and Water Infrastructure Planning Under Extreme Events*. Sustainable, Resilient Economy (SRE) Seed Grant. \$35k. (PIs: Bayraksan, G., Conejo Navarro, A., Sioshansi, R., **Dormady, N.** & Greenbaum, R.).

Department of Homeland Security (DHS). 2017-2018. *Measuring Business and Economic Resilience in Disasters*. \$190k. (PIs: Rose, A., **Dormady, N.** & Rosoff, H.).

Department of Homeland Security (DHS). 2017-2018. *Resilience Governance for Infrastructure Dependencies and Interdependencies*. \$175k. (PIs: Flynn, S., Holdeman, E., Ruth, M, Stephens, J., Ellis, R., White, R. & **N. Dormady**).

REPORTS & POLICY BRIEFS

Dormady, N., Jiang, Z. & Hoyt, M. *Why Ohio's Retail Electric Deregulation Has Been Bad for Households and Why Re-Regulation Would Be Even Worse*. *John Glenn College of Public Affairs Policy Brief*. March, 2017.

Rose, A. & **Dormady, N.** Israeli-Palestinian Land Swap Auction Model, Final Report. *RAND Intelligence Policy Center*. Santa Monica, CA. January, 2014.

Roberto, C. & **Dormady, N.** *The Costs of Inefficiency: Ignoring Ohio's Energy Efficiency Potential*. *John Glenn School of Public Affairs Policy Brief*. March, 2013.

Rose, A., & **Dormady, N.** Three-State Regression Analysis of the Macroeconomic Impacts of Climate Mitigation Options: Report to the State of Maryland. *The Center for Climate Strategies*. August, 2011.

- Rose, A., Szelazek, T. & **Dormady, N.** Economic Analysis of the Consequences of a Potential Anthrax Terrorist Attack in the Pacific Northwest: Business Income Losses and Real Estate Price Declines. *Center for Risk and the Economic Analysis of Terrorism Events (CREATE)*, University of Southern California. Final Report to the United States Department of Homeland Security. August, 2011.
- Rose, A. et al. Aggregate and Distributional Impacts of AB32 on the California Economy: Alternative Allocation Strategies for Cap and Trade. *The Next 10 Foundation*. December, 2010.
- Rose, A. et al. Impacts of Comprehensive Climate and Energy Policy Options on the U.S. Economy. *The Center for Climate Strategies*. July, 2010.
- Rose, A. & **Dormady, N.** Global Economic Impacts of an International Climate Change Treaty. *CENTRA Technologies National Security Impacts of a Prospective Climate Change Treaty Workshop*. Washington, D.C., 2010.
- Rose, A., et al. Southern Regional Economic Assessment of Climate Policy Options and Review of Economic Studies of Climate Policy: A White Paper Report. Prepared for The Southern Governors' Association. *The Center for Climate Strategies*. October, 2009.

**SELECTED
CONFERENCE
PAPERS**

- American Economic Association (ASSA): 2018; 2015
 Association of Environmental & Resource Economists (AERE): 2015; 2012
 Association of Environmental Studies & Sciences (AESS): 2012
 Association of Integrated Disaster Risk Management (IDRiM): 2011
 Association of Policy Analysis and Management (APPAM): 2017; 2015
 International Association for Energy Economics (USAEE/IAEE): 2017; 2014
 Polish American Science & Technology Association: 2015
 Southern Political Science Association (SPSA): 2010
 Western Economic Association International (WEAI): 2012; 2011
 Western Regional Science Association (WRSA): 2018

**EXPERT
TESTIMONY**

- Before the Public Utilities Commission of Ohio, Pre-filed Written Direct Testimony on Dayton Power and Light Co.'s Electric Security Plan (Case No. 16-0395-EL-SSO), Columbus, Ohio, September 18, 2016.
- Before the Public Utilities Commission of Ohio, Hearing on Ohio Power Company's Stipulation Agreement to Enter into an Affiliate Power Purchase Agreement (Case No. 14-1693-EL-RDR), Columbus, Ohio, January 8, 2016.
- Before the Public Utilities Commission of Ohio, Pre-filed Written Direct Testimony on Ohio Power Company's Stipulation Agreement to Enter into an Affiliate Power Purchase Agreement (Case No. 14-1693-EL-RDR), Columbus, Ohio, December 28, 2015.
- Before the Public Utilities Commission of Ohio, Hearing on Ohio Power Company's Application to Enter into an Affiliate Power Purchase Agreement (Case No. 14-1693-EL-RDR), Columbus, Ohio, October 2, 2015.
- Before the Public Utilities Commission of Ohio, Pre-filed Written Direct Testimony on Ohio Power Company's Application to Enter into an Affiliate Power Purchase Agreement (Case No. 14-1693-EL-RDR), Columbus, Ohio, September 11, 2015.

**INVITED
PRESENTATIONS
& EXPERT
INTERVIEWS**

Understanding the Clean Power Plan's Impact in Ohio. NPR-WOSU. All Sides with Ann Fisher. February, 2016.

Dialogue: Can Ohio Meet the Clean Power Plan. John Glenn School of Public Affairs Dialogue Policy Forum Series, The Ohio State University, February, 2016.

Markets and Regulation: COMPAS Conference, The Ohio State University, January, 2016.

Dialogue: Ohio's Algae Crisis. John Glenn School of Public Affairs Dialogue Policy Forum Series, The Ohio State University, April, 2015.

Carbon Allowances and the Demand for Offsets: A Comprehensive Assessment of Imperfect Substitutes. John Glenn School of Public Affairs Seminar Series, The Ohio State University, March, 2015.

Pollution Permit Consignment Auctions: Theory and Experiments, Knowlton School of Architecture Seminar Series, The Ohio State University, February, 2015.

Climate Change, Public Policy and the Economy, (Keynote Panelist) American Lung Association, Columbus Public Health, Ohio Sea Grant, Byrd Polar Research Center, *et al.*, Climate Explorations Series. *A Matter of Dollars and Sense: Climate Change, Carbon Standards and Public Health,* October 30, 2014

Pollution Permit Consignment Auctions: Theory and Experiments, John Glenn School of Public Affairs Seminar Series, The Ohio State University, December, 2013.

Energy and the Environment, Battelle Center for Science and Technology Policy, The Ohio State University, January, 2013.

Emissions Markets, Power Markets, and Market Power: An Experimental Approach, The Ohio State University, Department of Agricultural, Environmental and Development Economics (AEDE), Seminar Series, November, 2012.

Energy and Environmental Policy: An Introduction, John Glenn School of Public Affairs, The Ohio State University, Guest lecture, October, 2012.

Anthrax Outbreak in Downtown Seattle: A Spatial and Longitudinal Assessment of Terrorism's Impact on Real Estate Prices, USC Center for Risk and the Economic Analysis of Terrorism Events (CREATE) Fall Seminar Series, October, 2011.

Transferable Property Rights Markets (Cap and Trade), School of Policy, Planning and Development (SPPD), University of Southern California, November, 2010.

California's Perspective on Progressive Electricity and Feed-In Tariffs, University of Meunster, (Germany), August, 2010.

Succeeding on the PhD Qualifying Examination, School of Policy, Planning and Development (SPPD), University of Southern California, May, 2010.

Climate Change Mitigation Policy and Energy Markets: Cooperation and Competition in Integrating Renewables into Deregulated Markets (with E. Maggioni), *Forging Closer Ties: Transatlantic Relations, Climate and Energy,* Freie University Berlin, (Germany), November 29 – December 5, 2009.

TEACHING**The Ohio State University**

Graduate Courses:

Public Sector Economics & Applied Policy Analysis Capstone (Public Affairs 7920)*Graduate Capstone Research Paper* (Public Affairs 7900)*Risk & Decision Analysis* (Public Affairs/City & Regional Planning 5880)*Energy and Environmental Policy Capstone* (Public Affairs 7910)*Public Sector Economics* (Public Affairs 6030)*Environmental & Energy Policy* (Public Affairs 5800)

Undergraduate Courses:

Environmental & Energy Policy (Public Affairs 5800)*Public Policy Analysis* (Public Affairs 3000)**Chaffey College**

Undergraduate Courses:

American Government (Political Science 1)**Mt. San Jacinto College**

Undergraduate Courses:

American Government (Political Science 100)**SOFTWARE**

Pollution Permit Consignment Auction Human Experiment Software

Utility: Zurich Toolbox for Readymade Economics Experiments (Z-TREE) application for conducting Coasian auction market experiments utilizing a consignment mechanism.

Oligopsony 1.0

Utility: Windows-based (C# .NET 3.0) stochastic Monte Carlo simulation environment for simulating market power in uniform price auctions.

Simultaneous Energy-Emissions Market Experiment Software

Utility: Zurich Toolbox for Readymade Economics Experiments (Z-TREE) application for conducting energy-emissions market experiments, Control and Experimental Treatments.**AWARDS****Economic Analysis Award**

(First Recipient of Annual Award)

Regional Economic Models Inc. (REMI)

2012

Henry Reining Jr. Award, Best Dissertation in Public Policy

University of Southern California (USC)

2012

Excellence in Publication Award

University of Southern California (USC)

2012

**OLDER RESEARCH
FUNDING
SOURCES**

John Randolph & Dora Haynes Foundation; The Southern Governors' Association; The Center for Climate Strategies; The Pennsylvania Department of Environmental Protection; The Next 10 Foundation; The University of Southern California; The University of California; U.S. Communications Agency; The RAND Corporation

**PEER-REVIEW
/REFEREE**

Canadian Journal of Economics; Eastern European Economics; Energy Economics; The Energy Journal; Energy Policy; Journal of Public Policy; Natural Hazards Review (Guest Editor); Risk Analysis; Journal of Regional Science; Norton Press; Science and Public Policy

**RECENT MEDIA
COVERAGE**

Cleveland Plain Dealer (Print/Online)—Cleveland, Ohio (2017, 2015)
Columbus Dispatch (Print/Online)—Columbus, Ohio (2015)
Gannett News Service (Print/Online)
Govplan.com (Online)—National (2017)
Midwest Energy News (Online)—Midwest U.S. (2017, 2016)
NBC News (Online)—National (2014)
NBC News (Television)—Columbus, Ohio (2014)
NPR-WOSU (Radio)—Ohio (2016)
Ohio Citizen Action (Online)—Ohio (2017)
Press & Sun Bulletin (Print/Online)—New York State (2017)
S&P Global (Online)—National (2017)
Seattle PI (Print/Online)—Seattle, Washington (2013)
TBS eFM (Radio)—National (Korea) (2015)
The Regulatory Review (Online)—National (2017)

**UNIVERSITY
COMMITTEE
SERVICE**

University-level

Energy Management Faculty Advisory Committee (2014-2017); Sustainability Curriculum Committee (2014-2016);

College-level

Faculty Search Committee (2016; 2017); Graduate Studies Committee (2017); Rewards & Recognition Committee (2017); Curriculum Development Committee: Program Evaluation and Public Policy Analysis (2013); Robert Backoff Research Award Committee (2012-2017); (Ad hoc) Appointment, Promotion & Tenure (APT) Review (2014-2015); Search Committee for School of Environment and Natural Resources, Ohio State University (2014-2015); Masters Examination Review Committee (2014; 2016; 2017); Discovery Themes Committee (2014-2015)