

Noah C. Dormady

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John Glenn College of Public Affairs
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EDUCATION	Ph.D., <i>Public Policy, Planning and Development</i> Price School of Public Policy University of Southern California (USC) <i>Winner: Henry Reining Jr. Award for Best Dissertation in Public Policy</i>	2012
	M.A., <i>Political Science</i> University of California, Riverside	2006
	B.A., <i>Political Science (Cum Laude)</i> University of California, Riverside	2004
APPOINTMENTS	Assistant Professor (tenure-track) John Glenn College of Public Affairs The Ohio State University	2012—
	Fellow 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)	2016—
	Faculty Affiliate and Co-PI Critical Infrastructure Resilience Institute (CIRI) U.S. Dept. of Homeland Security (DHS) National Center of Excellence University of Illinois, Urbana-Champaign	2016—
	Associated Faculty Battelle Center for Science and Technology Policy The Ohio State University	2012—
	Associate/Adjunct Faculty Department of Political Science Chaffey College	2008
	Associate/Adjunct Faculty Department of Political Science Mt. San Jacinto College	2008
	Staff Member United States Senate Office of U.S. Senator Barbara Boxer	2004—2008

**RESEARCH
FIELDS**

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

**JOURNAL
ARTICLES**
(EXCLUDES SECURITY-
RESTRICTED PAPERS)

- Dormady, N.**, Jiang, Z. & Hoyt, M. Forthcoming. Do Markets Make Good Commissioners: A Quasi-Experimental Analysis of Retail Electric Restructuring in Ohio. *Journal of Public Policy*, xx(x): x-xx.
- 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.

- BOOK CHAPTERS** **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., & Reisman, S.G. (Eds). *Handbook on Resilience of Socio-Technical Systems*. Cheltenham: Edward Elgar.
- PAPERS IN PROGRESS** **Dormady, N.** & Healy, P.J. The Consignment Mechanism in Carbon Markets: A Laboratory Investigation. (conditionally accepted at *Journal of Commodity Markets*)
- Dormady, N.** Roa-Henriquez, A. & Rose, A. Economic Resilience of the Firm: A Production Theory Approach. (revise & resubmit at *International Journal of Production Economics*)
- Dormady, N.**, Hoyt, M. Roa-Henriquez, A. & Welch, W. Who Pays for Retail Electric Deregulation?: Evidence of Cross-Subsidization from Complete Bill Data. (revise & resubmit at the *Energy Journal*)
- Dormady, N.** Greenbaum, R. & Young, K. Resilience Decisions of the Firm: An Experimental Analysis of Dynamic Decision-Making in Repeated Disasters. (under review at *Risk Analysis*)
- Rose, A., & **Dormady, N.** Dynamic Economic Resilience & Economic Recovery: A Focus on Investment. (under review at *International Risk Governance Council* for 2nd volume of the IRGC Resource Guide on Resilience: Domains of Resilience for Complex Interconnected Systems in Transition).
- Dormady, N.**, Rose, A., Roa-Henriquez, A. The Cost-Effectiveness of Static Economic Resilience Actions. (in preparation).
- Dormady, N.**, Greenbaum, R., & Young, K. The Value of Resilience Information in Repeated Disaster Environments. (in preparation).
- Young, K., Greenbaum, R., & **Dormady, N.** Experimental Evidence of the Effects of Gender and Group Dynamics on Firm-Level Resilience Decisions. (in preparation).
- Dormady, N.** Convergence Bidding in Deregulated Electricity Markets. (in preparation).
- TEXTBOOK PROJECT** **Dormady, N.** *Public Policy Analysis for the 21st Century*. Undergraduate textbook for BA/BS programs in Public Affairs, Public Policy, and related fields.
- RECENT GRANTS** National Science Foundation (NSF). 2018-2019. *Research Experiences for Undergraduates (REU)*. \$8k. (PIs: **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.).
- 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**).

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.**).

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.).

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

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

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.

**SELECTED
CONFERENCE
PAPERS**

- 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.
- Who Pays for Retail Electric Deregulation?: Evidence of Cross-Subsidization from Complete Bill Data (with Hoyt, M., Roa-Henriquez, A., & Welch, W.). *Western Regional Science Association*. Pasadena, CA., February, 2018.
- A Multi-Party Auction Model for Land Exchanges. *Regional Science Academy*. Los Angeles, CA., February, 2018.
- Who Pays for Retail Electric Deregulation?: Evidence of Cross-Subsidization from Complete Bill Data (with Hoyt, M., Roa-Henriquez, A., & Welch, W.). *American Economic Association*. Philadelphia, PA., January, 2018.
- Who Pays for Retail Electric Deregulation?: Evidence of Cross-Subsidization from Complete Bill Data (with Hoyt, M., Roa-Henriquez, A., & Welch, W.). *International Association for Energy Economics*. Houston, TX., November, 2017.
- Resilience Decisions of the Firm: An Experimental Analysis of Dynamic Decision-Making in Repeated Disasters (with Greenbaum, R., & Young, K.). *Association for Public Policy Analysis and Management*. Chicago, IL., November, 2017.
- Do Markets Make Good Commissioners?: A Quasi-Experimental Analysis of Retail Electric Deregulation In Ohio (with Jiang, Z. & Hoyt, M.). *Midwest Public Affairs Conference*. Columbus, OH., June, 2016.
- An Experimental Analysis of Middle Market Resilience: Gender, Frequency and Information (with Young, K. & Greenbaum, R.). *Association of Public Policy Analysis and Management*. Miami, FL., November, 2015.
- Pollution Permit Consignment Auctions: Theory and Experiments (with Healy, P.J.). *Polish-American Science and Technology Association*. Columbus, OH., May, 2015.
- Pollution Permit Consignment Auctions: Theory and Experiments (with Healy, P.J.), *American Economic Association*. Boston, MA., January, 2015.
- Pollution Permit Consignment Auctions: Theory and Experiments (with Healy, P.J.), *International Association for Energy Economics*. New York, June, 2014.
- Emissions Markets, Power Markets and Market Power: An Experimental Approach, *Association of Environmental and Resource Economists: Western Economic Association International*. San Francisco, CA., June– July, 2012.
- Emissions Markets, Power Markets and Market Power: Regulatory Mechanisms and Policy Approaches, *Association for Environmental Studies and Sciences*. Santa Clara, CA., 2012.

Anthrax Outbreak in Downtown Seattle: A Spatial and Longitudinal Assessment of Terrorism's Impact on Real Estate Prices, *Second International Conference on Integrated Disaster Risk Management*. Los Angeles, CA., July, 2011.

Market Power in Cap and Trade Auctions: A Monte Carlo Approach, *Western Economics Association International*. San Diego, CA., July, 2011.

The Exercise of Market Power in Contemporary Transferable Property Rights Markets, *Southern Political Science Association*. Atlanta, GA., January, 2010.

Global Economic Impacts of an International Climate Change Treaty. (with Rose, A.), *CENTRA Technologies National Security Impacts of a Prospective Climate Change Treaty Workshop*. Washington, D.C., 2010.

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

**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**

Powering Tomorrow: Energy Infrastructure Challenges. Building Resilient Communities in a Changing Climate Forum. Ohio State University. May, 2018.

A Multi-Party Auction Model for Land Exchanges. Regional Science Academy. Los Angeles, CA. February, 2018.

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, 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–December, 2009.

**TEACHING
FIELDS**

Public Policy Analysis; Public Sector Economics; Risk & Decision Analysis; Energy Policy; Environmental Policy; Graduate Capstone (Thesis)

TEACHING

(D) Course Developed
(T) Course Taught
(R) Course Revised

The Ohio State University

Graduate Courses:

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

Undergraduate Courses:

Environmental & Energy Policy (Public Affairs 5800) (D, T)
Policy Evaluation (Public Affairs 4000) (D)
Public Policy Analysis (Public Affairs 3000) (D, T, R)

Chaffey College

Undergraduate Courses:

American Government (Political Science 1) (T)

Mt. San Jacinto College

Undergraduate Courses:

American Government (Political Science 100) (T)

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 of Award (National) 2012
(Inaugural Recipient of Annual Award)
Regional Economic Models Inc. (REMI)

Henry Reining Jr. Award, Best Dissertation in Public Policy 2012
University of Southern California (USC)

Excellence in Publication Award 2012
University of Southern California (USC)

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 &
EXTERNAL
ADVISORY**

Referee:

Canadian Journal of Economics; Earthquake Spectra; Eastern European Economics; Economic Modelling; Economics of Disasters & Climate Change; Energy Economics; The Energy Journal; Energy Policy; Journal of Public Policy; Oxford Press; Risk Analysis; Journal of Regional Science; Norton Press; Science and Public Policy

Guest Editor:

Natural Hazards Review

Advisory Reviewer:

Maritime Security Center: A U.S. Department of Homeland Security National Center of Excellence

**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. (2018, 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)
UtilityDive (Online)—National (2018; 2017)

**UNIVERSITY
COMMITTEE
SERVICE**

University level:

1. *Energy Management Faculty Advisory Committee* (2014-2017)
2. *Sustainability Curriculum Committee* (2014-2016)

College level:

1. *Faculty Search Committee* (2016; 2017)
2. *Graduate Studies Committee* (2017-2018)
3. *Rewards & Recognition Committee* (2017-2018)
4. *Curriculum Development Committee: Program Evaluation and Public Policy Analysis* (2013)
5. *Robert Backoff Research Award Committee* (2012-2016; 2018)
6. *(Ad hoc) Appointment, Promotion & Tenure (APT) Review* (2014-2015)
7. *Search Committee for School of Environment and Natural Resources, Ohio State University* (2014-2015)
8. *Masters Examination Review Committee* (2014; 2016; 2017)
9. *Discovery Themes Research Advisory Committee* (2014-2015)