

# Noah C. Dormady

The Ohio State University | John Glenn College of Public Affairs  
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## EDUCATION

University of Southern California (USC)  
Price School of Public Policy  
Ph.D., Public Policy, Planning & Development 2012  
\*Henry Reining Jr. Award—Best Dissertation in Public Policy

University of California, Riverside  
M.A., Political Science 2006  
B.A., Political Science (Cum Laude) 2004

## PRIMARY ACADEMIC APPOINTMENTS

The Ohio State University  
John Glenn College of Public Affairs  
Associate Professor (w/tenure) 2019-  
Assistant Professor 2012-2019

Chaffey College  
Department of Political Science  
Associate/Adjunct Faculty 2008

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

## CONCURRENT APPOINTMENTS

Critical Infrastructure Resilience Institute (CIRI): A U.S. Dept. of  
Homeland Security National Center of Excellence  
Faculty Affiliate 2016-

(CREATE) Center for Risk & Economic Analysis of Threats &  
Emergencies: A U.S. Dept. of Homeland Security National Center of  
Excellence  
CREATE Fellow 2016-

Battelle Center for Science, Engineering & Public Policy  
Affiliated Faculty 2012-

## EDITORIAL APPOINTMENTS

*Natural Hazards Review* (ASCE)  
Associate Editor 2021-  
Guest Editor 2019-2021

*Journal of Critical Infrastructure Policy*  
Associate Editor 2020-

## RESEARCH FIELDS

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

- Watson, M., Brown, C., Handmer, J., Kroll, C., Wein, A., Helgeson, J., Rose, A., Dormady, N., & Kim, J. [Methods and Lessons for Business Resilience and Recovery Surveys](#). *International Journal of Disaster Risk Reduction*, 93: 103743.
- Dormady, N., Rose, A., Roa-Henriquez, A., & Morin, B. (2022). [The Cost-Effectiveness of Economic Resilience](#). *International Journal of Production Economics*, 244: 108371.
- Dormady, N., Fasano, A., Roa-Henriquez, A., Flanagan, D., Welch, W., & Wood, D. (2022). [Informational Determinants of Large-area Hurricane Evacuations](#). *Bulletin of the American Meteorological Society*, 103(3): E642-E656. (Lead article)
- Dormady, N., Greenbaum, R., & Young, K. (2021). [An Experimental Investigation of Resilience Decision Making in Repeated Disasters](#). *Environment Systems & Decisions*, 41: 556-576.
- Dormady, N., Greenbaum, R., & Young, K. (2021). [Value of Information on Resilience Decision Making in Repeated Disaster Environments](#). *Natural Hazards Review*, 22(1): 04020048.  
\* [Editor's Choice Collection](#).
- Rahimi, M., Shafieezadeh, A., Wood, D., Kubatko, E.J., & Dormady, N. (2019). [Bayesian Calibration of Multi-Response Systems via Multivariate Kriging: Methodology & Geological & Geotechnical Case Studies](#). *Engineering Geology*, 260(3): 105248.
- Dormady, N., Jones, D., Roe, B., & Rub, G. (2019). [An Intersection of Privatization & Public Utility Regulation: The Ohio State University's Energy Concession Agreement & Private-Public Utility Theory](#). *Utilities Policy*, 59: 100929.
- Dormady, N., & Healy, P.J. (2019). [The Consignment Mechanism in Carbon Markets: A Laboratory Investigation](#). *Journal of Commodity Markets*, 14: 51-65.
- Dormady, N., Hoyt, M., Roa-Henriquez, A., & Welch, W. (2019). [Who Pays for Retail Electric Deregulation?: Evidence of Cross-Subsidization from Complete Bill Data](#). *The Energy Journal*, 40(2): 161-194.
- Dormady, N., Jiang, Z., & Hoyt, M. (2019). [Do Markets Make Good Commissioners: A Quasi-Experimental Analysis of Retail Electric Restructuring in Ohio](#). *Journal of Public Policy*, 39(3): 483-515.
- Dormady, N., Roa-Henriquez, A., & Rose, A. (2019). [Economic Resilience of the Firm: A Production Theory Approach](#). *International Journal of Production Economics*, 208: 446-460.
- 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*, Energy Markets Special Issue: 1-13.

- Young, K., Greenbaum, R., & Dormady, N. (2017). [Sex, Gender & 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 & 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 & Market Power: An Experimental Analysis](#). *Energies*, 9(11): Article No. 897.
- Dormady, N., & Englander, A.G. (2016). [Carbon Allowances & 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 & 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 & Practice*, 3(4): 357-379.  
\*Winner: [2012 Economic Analysis Award, Regional Economic Models Inc. \(REMI\)](#).
- 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.

#### CHAPTERS IN BOOKS/ EDITED VOLUMES

- Dormady, N., Rose, A., & Morin, B. (2022). [Advances in the Empirical Estimation of Disaster Resilience](#). In, Skidmore, M. (Ed.). *Handbook on the Economics of Natural Disasters*. Cheltenham: Edward Elgar.
- Rose, A., & Dormady, N. (2021). [Conceptual Foundations & Empirical Advances of Economic Resilience with Extensions to Complexity, Entropy & Spatial Dynamics](#). In, Reggiani, A., Schintler, L.A., Czamanski, D., & Patuelli, R. (Eds.) *Handbook on Entropy, Complexity & Spatial Dynamics*. Cheltenham: Edward Elgar.
- Dormady, N., Rose, A., Rosoff, H., & Roa-Henriquez, A. (2019). [Estimating the Cost-Effectiveness of Resilience to Disasters: Survey Instrument Design & Refinement of Primary Data](#). In, Ruth, M., & Reisemann, S.G. (Eds.). *Handbook on Resilience of Socio-Technical Systems*. Cheltenham: Edward Elgar.

Rose, A., & Dormady, N. (2018). [Advances in Analyzing & Measuring Dynamic Economic Resilience](#). In, Trump, B. D., Florin, M.V., & Linkov, I. (Eds.). *IRGC Resource Guide on Resilience (Vol. 2): Domains of Resilience for Complex Interconnected Systems*. Lausanne, CH: EPFL International Risk Governance Center (IRGC).

#### **EDITOR-REVIEWED PAPERS**

Dormady, N. (2019). [Auction Design Influences Efficiency: California's Consignment Mechanism in Perspective](#). *International Association of Energy Economics Energy Forum*.

#### **PAPERS IN PROGRESS**

Dormady, N., Rose, A., Snider, C., & Roa-Henriquez, A. (Under Review). Cost-Effective Business Resilience Decision Making. *Oxford Research Encyclopedia of Natural Hazard Science*.

Dormady, N., Hoyt, M., Roa-Henriquez, A., Pesavento, M., Koenig, G., Welch, W., Pedron, S., Li, Z., Makarchev, N. (in progress). How Are Retail Electricity Prices Formed in Restructured Electricity Markets?

Dormady, N., Makarchev, N., Ji, Y., Welch, W., Pedron, S., Shafieezadeh, A., Lamadrid, A., & Fox, S. (in progress). Markets for Retail Electricity Supply: A Database Evaluation of Every Historical Retail Choice Offer in Ohio.

Pedron, S., Fox, S., Lamadrid, A., Dormady, N., Makarchev, N., Ji, Y., Welch, W., & Shafieezadeh, A. (in progress). Theoretical Foundations & Best Practices for Residential Public Utilities Surveys.

Makarchev, N., Pedron, S., Dormady, N., Welch, W., Hoyt, M., Lamadrid, A., Ji, Y., Shafieezadeh, A., Fox, S. (in progress). Price Competitiveness and Consumer Equity in Electric Municipal Aggregation.

Hoyt, M., Feasel, T., Dormady, N., & Welch, W. (in progress). Do You Trust EIA Data?: An Evaluation of Electricity Price Data Across Utilities in Ohio.

Dormady, N., Makarchev, N., Yaluma, C., Roa-Henriquez, A. (in progress). Quantifying Resilience of the Household: A Production Theory Approach.

Pesavento, M., Dormady, N., & Greenbaum, R. (in progress). The Moderating Effect of Expert Perception on Resilience Investment Decisions.

#### **PATENT(S)**

Dormady, N., Rose, A., Morin, B., Roa-Henriquez, A. (2022). *Business Resilience Decision Support Tool and Related Methods*. U.S. Patent No. 63/314,650. Filed February 28, 2022. Provisional patent.

#### **RECENT GRANTS**

National Science Foundation (NSF) & Japan Science and Technology Agency (JST). 2024-2026. *NSF-JST: Advanced Data and Methods to Improve Hazard Resilience for Underrepresented Groups: Minority- and Women-Owned Small and Mid-sized Businesses*. \$1.125M. (Co-PI). (PIs: Roa-Henriquez, A., Kajitani, Y., Tatano, H., Rose, A., Watson, M., Dormady, N.)

Alfred P. Sloan Foundation. 2022-2025. *Who Pays for Electrification & Resilience?: An Evaluation of the Equity, Justice & Efficiency Impacts of Retail Electric Deregulation*. \$499K. (PIs: Dormady, N., Lamadrid, A., & Shafieezadeh, A.)

Department of Energy (DOE). 2023-2024. *A People-Centered Decisions Support Tool for Enhancing Power Grid Resilience for the Navajo Nation*. \$1.1M. (PIs: Illafe, M., Shafieezadeh, A., Mohagheghi, S., & Dormady, N.)

Defense Advanced Research Projects Administration (DARPA). 2022—2026. *TA3: Forecasting Risk in Supply-Demand Networks (FRSN)*. \$(undisclosed)M. (Co-PI) (PI: Santini, J.)

Department of Energy (DOE). 2022-2027. *OSU-ENGIE Connected Community: Automated Building Control with Knowledge of Distributed Energy Resources and Electrical Systems for Grid Offerings*. \$4.2M. (Co-PI) (PI: Clark, J.)

National Science Foundation (NSF). 2020-2025. *NRT-HDR: Convergent Graduate Training and EmPOWERment for a Sustainable Energy Future*. \$2.98M. (Co-I) (PI: Sioshansi, R.)

Department of Homeland Security (DHS). 2020-2021. *Technology Transition: Business Resilience Calculator*. \$129K. (PIs: Rose, A., & Dormady, N.)

Department of Homeland Security (DHS). 2020. *Technology Transition: Business Resilience Calculator Covid-19 Supplement*. \$40K. (PIs: Rose, A., & Dormady, N.)

Department of Homeland Security (DHS). 2019. *Technology Transition: Business Resilience Calculator*. \$207K. (PIs: Rose, A., & Dormady, N.)

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 & Economic Resilience in Disasters*. \$190K. (PIs: Rose, A., Dormady, N., & Rosoff, H.)

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

Department of Homeland Security (DHS). 2016-2018. *Analyzing & 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 & Environment, The Ohio State University. 2016-2017. *Energy & 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.)

## **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

## **REPORTS & POLICY BRIEFS**

Chang, S.E., Brown, C., Dormady, N., Handmer, J., Kajitani, Y., Keating, A., Rose, A., Watson, M., Wein, A., & Yamano, N. [Economic Recovery: Enabling Comparative Research on Covid-19](#). NSF-CONVERGE Covid-19 Working Groups for Public Health & Social Sciences Research. June 2020.

Dormady, N., Jiang, Z., & Hoyt, M. Why Ohio's Retail Electric Deregulation Has Been Bad for Households & 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 & Real Estate Price Declines. *Center for Risk & 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 & Distributional Impacts of AB32 on the California Economy: Alternative Allocation Strategies for Cap & Trade. *The Next 10 Foundation*. December 2010.

Rose, A., et al. Impacts of Comprehensive Climate & 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 & Review of Economic Studies of Climate Policy: A White Paper Report.

Prepared for The Southern Governors' Association. *The Center for Climate Strategies*.  
October 2009.

## **INVITED TALKS & EXPERT INTERVIEWS**

- 2023: US Department of Energy (DOE) | Defense Advanced Research Projects Agency (DARPA) | Institute for Catastrophic Loss Reduction (ICLR) | US Military Academy at West Point | WOSU (NPR)
- 2022: Sustainability & Security Forum, George Washington University | Challey Institute, North Dakota State University | Central Ohio Association of Government Accountants (AGA) | City of Norfolk, Virginia | Smart Electric Power Alliance
- 2021: US Department of Homeland Security Office of University Programs | Ohio State University Sustainability Institute (SI) | Ohio State University Knowlton School of City & Regional Planning | University of Washington Transportation & Power Systems Resilience Workshop
- 2020: Critical Infrastructure Resilience Institute (CIRI), University of Illinois, Urbana-Champaign | The Atlantic Council | US Department of Homeland Security Office of University Programs | Ohio Chamber of Commerce
- 2019: Critical Infrastructure Resilience Institute (CIRI), University of Illinois, Urbana-Champaign | Federal Emergency Management Agency (FEMA) | National Science Foundation (NSF) Grand Challenges Workshop, Purdue University | Frontiers in Resilience Symposium, George Mason University & Sandia National Laboratory
- 2018: John Glenn College of Public Affairs, Ohio State | Mount Carmel College (India) | Powering Tomorrow Workshop, Ohio State | Regional Science Academy, USC
- 2016: National Public Radio (NPR), All Sides with Ann Fisher | John Glenn School of Public Affairs, Dialogue Policy Forum | Compass Conference, Ohio State
- 2015: John Glenn School of Public Affairs, Dialogue Policy Forum | John Glenn School of Public Affairs, Ohio State | Knowlton School of Architecture, Ohio State
- 2014: Columbus Ohio Department of Public Health | John Glenn School of Public Affairs, Ohio State
- 2013: Battelle Center for Science & Technology Policy, Ohio State
- 2012: Department of Agricultural, Environmental & Development Economics (AEDE), Ohio State | John Glenn School of Public Affairs, Ohio State
- 2011: USC Center for Risk & the Economic Analysis of Terrorism Events (CREATE), USC
- 2010: School of Policy, Planning & Development (SPPD), USC | University of Meunster (Germany) | CENTRA Technology
- 2009: Freie University Berlin (Germany)

## **SELECTED ACADEMIC CONFERENCE PAPER PRESENTATIONS**

- American Economic Association (AEA)/ASSA  
2018 | 2015
- Association of Public Policy & Management (APPAM)  
2019 (2) | 2018 (2) | 2017 | 2015
- Association for Environmental Studies & Sciences (AESS)  
2012
- INFORMS  
2023
- Integrated Disaster Risk Management (IDRiM)  
2021 | 2011
- International Association for Energy Economics (IAEE)/USAEE



2022 | 2017 | 2014  
 Midwest Public Affairs Association (MPAC)  
 2016  
 Natural Hazards Workshop  
 2021 | 2016  
 North American Regional Science Council (NARSC)  
 2021 | 2020  
 Resilience Week  
 2016  
 Southern Political Science Association (SPSA)  
 2010  
 Western Economic Association International (WEAI)  
 2012 | 2011  
 Western Regional Science Association (WRSA)  
 2018

**EXPERT WITNESS  
 TESTIMONY & PRE-  
 FILED WRITTEN  
 TESTIMONY**

Expert/Opinion Witness on Ohio's Energy Policy, Markets and Deregulation. Before the Southern District of Ohio. *United States v. Householder et al., Crim. Number 1:20-CR-77*. Cincinnati, Ohio, January 23, 2023.

Before the Public Utilities Commission of Ohio, Hearing on American Electric Power's (AEP's) Proposal to Enter into Renewable Energy Purchase Agreements for Inclusion in the Renewable Generation Rider (*Case No. 18-0501-EL-FOR*), Columbus, Ohio, February 6, 2019.

Before the Public Utilities Commission of Ohio, Pre-filed Written Direct Testimony on American Electric Power's (AEP's) Proposal to Enter into Renewable Energy Purchase Agreements for Inclusion in the Renewable Generation Rider (*Case No. 18-0501-EL-FOR*), Columbus, Ohio, January 25, 2019.

Before the Public Utilities Commission of Ohio, Pre-filed Written Direct Testimony on Dayton Power & 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.



## TEACHING FIELDS

Energy Policy | Environmental Policy | Public Policy Analysis | Public Sector Economics | Risk & Decision Analysis | 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* (PA 7920) (D,T)

*Energy & Environmental Policy Capstone* (PA 7910) (D, T)

*Graduate Capstone Research Paper* (PA 7900) (T)

*Public Sector Economics* (PA 6030) (T)

*Risk & Decision Analysis* (PA/CRP 5880) (D, T)

*Risk & Decision Analysis* (PA 5770) (Online) (D, T)

*Environmental & Energy Policy* (PA 5800) (D, T)

Undergraduate Courses:

*Environmental & Energy Policy* (PA 5800) (D, T)

*Policy Evaluation* (PA 4000) (D)

*Public Policy Analysis* (PA 3000) (D, T, R)

Chaffey College

Undergraduate Courses:

*American Government* (PolSci 1) (T)

Mt. San Jacinto College

Undergraduate Courses:

*American Government* (PolSci 100) (T)

## DOCTORAL & POST-DOCTORAL ADVISING/ COMMITTEE

Nikita Makarchev, Ph.D. (Cambridge Univ.) (Post-doc Advisor, 2023-2025)

Presidents Post-Doctoral Scholars Program (PPSP) Fellowship Award

Yiseon Choi (2023-Present)

John Glenn College of Public Affairs

Now at: PhD Student Ohio State University

Blain Morin (2019-2023)

John Glenn College of Public Affairs

Now at: PhD Candidate Ohio State University

Matthew Pesavento (2019-2021)

John Glenn College of Public Affairs

Now at: PhD Candidate Ohio State University

Javier Livio (2018-2020)

Auburn University Department of Computer Science

Now at: Private Industry

Alfredo Roa-Henriquez, Ph.D. (2016-2019)

John Glenn College of Public Affairs

Now at: North Dakota State University College of Business

Zhongnan Jiang (Ph.D. Candidate) (2016-2018)

John Glenn College of Public Affairs

Now at: Shanghai University

## SOFTWARE

[Business Resilience Calculator \(BRC\)](#) (under commercialization with U.S. DHS)

*Utility:* Decision support software application for business & government to support effective resilience planning & response.

Available at: [www.resiliencecalculator.com](http://www.resiliencecalculator.com)

[Ohio Electricity Bill Cross Subsidy Calculator](#). (in cooperation with the Ohio Center for Investigative Journalism & journalist Lucia Walinchus).

*Utility:* Interactive Tableau application for calculating cross subsidies on your Ohio Electric bill.

[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 & Experimental Treatments.

## AWARDS

[Editors' Choice Award](#)

2021

Natural Hazards Review, ASCE

[Economic Analysis Award](#) (National) (Inaugural Recipient)

2012

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)

## PEER-REVIEW

Center External Reviewer

U.S. Department of Homeland Security National Center of Excellence—Maritime Security Center

National Science Foundation Panelist

Environmental Sustainability | Strengthening American Infrastructure (SAI)

Journal and Book Peer-Referee

Canadian Journal of Economics | Earthquake Spectra | Eastern European Economics | J. of Economic Education | Economic Modelling | Economics of Disasters & Climate Change | Energy Economics | The Energy Journal | Energy Policy | International Journal of Disaster Risk Reduction | International Journal of Production Economics | Journal of Public Policy | Journal of Public Administration Research & Theory | Natural Hazards Review | Oxford Press |

## RECENT MEDIA COVERAGE

ABC News (Television)—Columbus, Ohio (2022)  
Association of American Universities (Online)—National (2020)  
Cincinnati Enquirer (Online)—Ohio (2022)  
Cincinnati Public Radio (Radio)—Regional (2021)  
Cleveland Plain Dealer (Print/Online)—Cleveland, Ohio (2023, 2022, 2017, 2015)  
Cleveland Scene (Online)—Cleveland, Ohio (2021)  
Columbus Dispatch (Print/Online)—Columbus, Ohio (2022, 2021, 2015)  
Crain's Cleveland Business (Print/Online)—National (2022, 2020)  
Fox 28 Columbus (Television)—Ohio (2022)  
Gannett News Service (Print/Online)—National (2018)  
Govplan.com (Online)—National (2017)  
Midwest Energy News (Online)—Midwest U.S. (2021, 2020, 2019, 2018, 2017, 2016)  
NBC News (Online)—National (2023, 2014)  
NBC News (Television)—Columbus, Ohio (2023, 2014)  
Newark Advocate (Print/Online)—Ohio (2019)  
NPR-WOSU (Radio)—Ohio (2023, 2016)  
Ohio Citizen Action (Online)—Ohio (2017)  
Ohio Center for Investigative Journalism (Online)—Ohio (2020)  
Ohio State University News—Ohio (2022; 2021; 2020)  
Loveland Magazine—Ohio (2020)  
People's Defender (Online)—National (2022)  
Press & Sun Bulletin (Print/Online)—New York State (2017)  
Science Daily (Online)—National (2021)  
Seattle PI (Print/Online)—Seattle, Washington (2013)  
Spectrum News (Television)—Ohio (2024, 2016)  
S&P Global (Online)—National (2019, 2017)  
TBS eFM (Radio)—National (Korea) (2015)  
The Regulatory Review (Online)—National (2017)  
UtilityDive (Online)—National (2018, 2017)  
WYSO (NPR Dayton, Ohio) (Radio)—Ohio (2021)  
WSYX (ABC Columbus, Ohio) (Television, Online)—Ohio (2022)

## RADIO DOCUMENTARIES

WOSU-NPR. Documentary Series on Ohio's House Bill 6 and Associated Corruption Cases. [The Power Grab: Market Manipulation](#). Host: Renee Fox. Original Air Date: December 4, 2023.

WOSU-NPR. Documentary Series on Ohio's House Bill 6 and Associated Corruption Cases. [The Power Grab: Dark Money](#). Host: Renee Fox. Original Air Date: November 27, 2023.

## COMMITTEE SERVICE & ADVISORY

Service to Ohio State University

1. Office of Post-Doctoral Affairs: Review Committee for President's and Post-Doctoral Scholars (PPSP) Fellowship Program (2024)
2. Provost's Sustainability Education Visioning Committee (2023)
3. Sustainability Institute Exploratory Research Group (ERG) Co-Lead—Grid of the Future: Renewables & Storage (2021-2022)
4. Energy Innovation Center (EIC) Faculty Advisory Committee (2020-2022)
5. Sustainability Education Leadership Committee (SELC) (2019-Present)
6. Comprehensive Energy Management Faculty Advisory Committee (2014-2017)

7. Sustainability Curriculum Committee (2014-2016)

Service to John Glenn College of Public Affairs

1. Diversity, Equity & Inclusion Committee (2019-2021)
2. Undergraduate Policy Paper Award Committee (2020-2021)
3. Undergraduate Science, Engineering & Public Policy Minor Committee (2020-Present)
4. Budget & Strategic Planning (2018-2019)
5. Graduate Studies/Curriculum Committee (2017-2019; 2021-2022)
6. Wellness Committee (2018-2019)
7. Rewards & Recognition Committee (2017-2018)
8. Robert Backoff Research Award Committee (2012-2016; 2018)
9. Masters Examination Review Committee (2014; 2016-2017; 2018; 2022)
10. Glenn College Faculty Search Committee (2016-2017)
11. Curriculum Development Committee: Program Evaluation & Public Policy Analysis (2013)
12. (Ad hoc) Appointment, Promotion & Tenure (APT) Review (2014-2015)
13. School of Environment & Natural Resources Search Committee (2014-2015)
14. Discovery Themes Research Advisory Committee (2014-2015)

Student Club Advising

1. Advisor, OSU Hope Worldwide Club (2019-2023)