

# BURÇİN ÜNEL

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## EDUCATION

Ph.D., Economics, University of Florida, August 2007

B.A., Economics (*with Honors*), Boğaziçi University, Istanbul, Turkey, 2001

## PROFESSIONAL EXPERIENCE

### ***Institute for Policy Integrity at New York University School of Law***

*New York, NY*

Energy Policy Director

July 2017 – Present

Senior Economist

July 2015 – July 2017

Adjunct Assistant Professor of Public Policy

Jan 2015 – May 2015

Economics Fellow

July 2014 – July 2015

- Leads Policy Integrity's stakeholder involvement in state and federal energy policy proceedings
- Drafts policy briefs, comments, testimonies, and guidance documents to help policymakers and utility regulators at the state and federal level improve the quality of energy decisionmaking
- Draws on her expertise in applied microeconomics, industrial organization, and regulation to identify and support economically sound and socially just policies in energy, environment, and health
- Establishes partnerships across sectors to advocate for sound policies in climate, energy, and regulatory policy at state and federal levels
- Supervises attorneys, clinic students, post-doctoral fellows, and policy associates drafting comments on energy and environmental policy issues
- Organizes policy relevant conferences to inform public policy making

### ***City College of New York***

*New York, NY*

Adjunct Assistant Professor

Jan 2014 – May 2014

- Public Policy

### ***Department of Pharmaceutical Outcomes and Policy, University of Florida***

*Gainesville, FL*

Affiliate Clinical Assistant Professor

Apr 2013 – Jan 2014

Associate Director of International Programs for the Online M.S. Program

Dec 2011 – Apr 2013

Clinical Assistant Professor

Dec 2009 – Apr 2013

- Established the necessary institutional framework and developed the curriculum for a new, live, and interactive online master's program that would provide students from all over the world access to high quality specialized education
- Taught graduate level classes in health economics and policy, and pharmacoeconomics
- Supervised master's and doctoral students' research

November 2020

***Department of Economics, Boğaziçi University***

Assistant Professor of Economics

*Istanbul, Turkey*

Feb 2008 – Aug 2009

- Taught undergraduate and graduate level classes in microeconomics, macroeconomics, mathematical economics, information economics, and regulation
- Supervised master's and doctoral students' research

***University of Florida***

Research Associate, *Public Utility Research Center*

Research Associate, *Bureau of Economic and Business Research*

*Gainesville, FL*

Aug 2007 – Aug 2008

Aug 2007 – Aug 2008

- Provided economic analyses to regional planners propose sound economic policies
- As part of a consulting team, developed an innovative water supply management plan for a water management district using multi- criteria decisionmaking and risk analyses

***University of Florida***

Graduate Assistant, *Department of Economics*

▪ Taught Game Theory, Intermediate Microeconomics, and Math Refresher Course

▪ Provided teaching assistance for graduate and undergraduate level courses

*Gainesville, FL*

Aug 2001 – Aug 2007

**PUBLICATIONS**

“(Not So) Clean Peak Energy Standards”, (with G. McCormick, C. Lewis, I. Rabideau, and J. Shrader), *forthcoming at Energy*

“Markets, Externalities, and the Federal Power Act: FERC’s Authority to Price Carbon”, 50 *Environmental Law Reporter* 10,629, 2020 (with B. A. Davis Noll)

“Energy Transition, Distributed Energy Resources, and the Need for Information.” *IAEE Energy Forum*, Third Quarter 2020, (with S. Bialek, J. Kim, and Y. Dvorkin)

“Advancing Energy Policy”, *N.Y.U. Environmental Law Journal, Energy & Environmental Policy: The Quest for Rationality Symposium Issue*, 2020

“Managing the Future of the Electricity Grid: Modernizing Rate Design”, 44 *Harvard Environmental Law Review* 1, 2020, (with R. Revesz)

“Electricity simulations on the distribution edge: Developing a Granular Representation of End-User Electric Load Preferences using Smart-Meter Data”, *IAEE Energy Forum Special Issue*, August 2019, (with A. Bharatkumar, R. Esparza, K. Mohlin, E. Spiller, and K. Tapia-Ahumada)

“The Future of Energy Storage: Adopting Policies for a Cleaner Grid”, 48 *Environmental Law Reporter* 10,781, 2019 (with R. Revesz)

“Will You Be There for Me the Whole Time: On the importance of obligation periods in design of capacity markets”, *The Electricity Journal*, March 2019 (with S. Bialek)

“Markets, Externalities, and the Federal Power Act: FERC’s Authority to Price Carbon”, *27 N.Y.U. Environmental Law Journal* 1, 2019, (with B. A. Davis Noll) (selected as one of the five best environmental law articles published in the 2018-2019 academic year)

“The Future of Distributed Generation: Moving Past Net Metering”, *48 Environmental Law Reporter* 10,719, 2018 (with R. Revesz)

“Managing the Future of the Electricity Grid: Energy Storage and Greenhouse Gas Emissions”, *42 Harvard Environmental Law Review* 1, 2018, (with R. Revesz) (selected as one of the five best environmental law articles published in the 2017-2018 academic year)

“Managing the Future of the Electricity Grid: Distributed Generation and Net Metering”, *41 Harvard Environmental Law Review* 1, 2017, (with R. Revesz) (selected as one of the five best environmental law articles published in the 2016-2017 academic year)

“Wearing Out Your Welcome: Examining Differential Medicaid Eligibility of New Entrants and Continuing Recipients”, *Contemporary Economic Policy*, December 2016, (with S. Hamersma)

“Privately-Negotiated Input Prices”, *Journal of Regulatory Economics*, 2005, Vol. 27, Issue 3, 263-280 (with D. Sappington)

“Conservation Pricing for Residential Water Supply”, *IFAS Publication*, FE 756, Gainesville: University of Florida Institute of Food and Agricultural Sciences, Nov. 2008, (with T. Borisova and C. Rawls)

### **WORKS IN PROGRESS**

“Equitable Access to Residential EV Charging”, (with Y. Dvorkin)

“Towards an Inclusive Clean Energy Transition: Regulatory, Perceptual, and Informational Barriers”, (with A. Varela Varela, and A. Zhou)

“Assessing Social and Environmental Costs and Benefits for a Just Energy Transition”, (with L. Ceferino and Y. Dvorkin)

“Modeling Strategic Objectives and Behavior in the Transition of the Energy Sector to Inform Policymaking”, (with F. Felder and Y. Dvorkin), *under review*

“Strategic Policymaking for Implementing Renewable Portfolio Standards: A Tri-level Optimization Approach”, (with J. Kim, S. Bialek, and Y. Dvorkin), *R&R at IAEE Transactions on Power Systems*

“Rate Design and Distributed Energy Resources Deployment”, (with A. Bharatkumar, K. Mohlin, E. Spiller, and K. Tapia-Ahumada), *under review*

“Efficiency in Wholesale Electricity Markets: On the Role of Externalities and Subsidies”, (with S. Bialek)

“A bi-level model for capacity expansion under renewable, environmental, and market policies”, (with H. Nguyen, and F. Felder)

“Information and Incentives in Energy Policy Design for an Efficient Rollout of Distributed Energy Resources”, with (J. Kim, S. Bialek, Y. Dvorkin)

“Retail Electricity Rate Design, Distributed Energy Resource Deployment, and Emissions”, (with K. Mohlin, E. Spiller, and K. Tapia-Ahumada)

“Committed but for How Long? On the Design of Seasonal Capacity Markets,” (with S. Bialek)

“Using Cost-Benefit Analysis to Optimize Transmission Planning for Emission Reductions”

### **POLICY REPORTS**

“A Path Forward for the Federal Energy Regulatory Commission: Near-Term Steps to Address Climate Change”, September 2020

“Making the Most of Distributed Energy Resources: Subregional Estimates of the Environmental Value of Distributed Energy Resources in the United States”, September 2020, (with M. Butner, I. Paul)

“Carbon Pricing in Wholesale Electricity Markets: An Economic and Legal Guide”, March 2020, (with M. Butner, B. Davis Noll, J. Gundlach, A. Zevin)

“Getting the Value of Distributed Energy Resources Right: Using a Societal Value Stack”, December 2019, (with J. Gundlach)

“Toward Resilience: Defining, Measuring, and Monetizing Resilience in the Electricity System”, August 2018, (with A. Zevin)

“Valuing Pollution Reductions: How to Monetize Greenhouse Gas and Local Air Pollutant Reductions from Distributed Energy Resources”, March 2018, (with J. Shrader and A. Zevin)

“Managing the Future of Energy Storage: Implications for Greenhouse Gas Emissions”, April 2018, (with M. Condon and R. Revesz)

“Capacity Markets and Externalities: Avoiding Unnecessary and Problematic Reforms”, April 2018, (with S. Bialek)

**OP-EDS**

[Energy Transition, Distributed Energy Resources, and the Need for Information](#) – IAEE Podcast, August 2020.  
[This Is Not the Way to Move Beyond Net Metering](#) – Utility Dive, June 2020.  
[States Don't Have to Wait for Congress to Put a Price on Carbon](#) – The Wall Street Journal, November 2019.  
[Carbon Pricing Will Fuel Renewable Energy Transition](#) – Albany Times Union, November 2019.  
[Getting Energy Storage Policies Right](#) – Energy Central, August 2019.  
[Achieving Climate Goals Will Require Sound Energy Storage Policies](#) – The Regulatory Review, February 2019.  
[Why Bailouts Won't Make The Electric Grid More Resilient](#) – The Hill, August 2018.  
[What We Talk About When We Talk About Resilience](#) – Utility Dive, November 2017.  
[Commentary: Cutting SCC Too Costly](#) – Times Union, May 2017.  
[New York's Clean Energy Standard is a Key Step Toward Pricing Carbon Pollution Fairly](#) – Utility Dive, August 2016.

**AWARDS, GRANTS, AND HONORS**

New York City (2020), “New York City Local Law 97 Carbon Trading Study”, Amount \$1,883,372, jointly with Danielle Spiegel-Feld, Constantine Kontokosta, Mark Willis, and Katrina Wyman  
Top Five Environmental Law Review Articles of the Year, selected by the Environmental Law Institute (2017, 2018, 2019)  
Alfred P. Sloan Foundation Grant (2019-2021), “Understanding Information Asymmetry in Smart Grids, Amount \$249,905, jointly with Yury Dvorkin  
Alfred P. Sloan Foundation Grant (2017-2019), “Rate Design and Distributed Energy Resource Integration: Impacts on the Environment and Distribution System Costs”, Amount: \$589,260, jointly with MIT Energy Initiative and Environmental Defense Fund  
Bogazici University Research Fund Grant (Fall 2008)  
Madelyn M. Lockhart Travel Award (Fall 2004, Spring 2006)  
Walter-Lanzillotti Dissertation Grant (Fall 2004)  
Rafael Lusky Award for the best first year graduate student (Spring 2002)  
Grinter Fellowship (Fall 2001- Spring 2004)  
UF International Center Academic Achievement Award (2001-2002)

**POLICY WORK**

Public Comments to *Connecticut Public Utilities Regulatory Authority on Investigation into Distribution System Planning of the Electric Distribution Companies—Electric Storage*, January 2021

Public Comments to *Federal Energy Regulatory Commission on NYISO Capacity Market Reforms*, December 2020

Public Comments to *Federal Energy Regulatory Commission on the Proposed Policy Statement on Incorporating State-Determined Carbon Prices in Wholesale Energy Markets*, December 2020

Public Comments to *Federal Energy Regulatory Commission on NYISO Capacity Market Reforms*, November 2020

Public Comments to *Federal Energy Regulatory Commission on the Proposed Policy Statement on Incorporating State-Determined Carbon Prices in Wholesale Energy Markets*, November 2020

Public Comments to *Arizona Corporation Commission on Integrated Resource Planning*, October 2020

Public Comments to *Department of Energy on Energy Storage Grand Challenge*, August 2020

Public Comments to *New Jersey Board of Public Utilities on New Jersey Cost Test Straw Proposal*, August 2020

Public Comments to *Federal Energy Regulatory Commission on Transmission Incentives Policy*, July 2020

Public Comments to *Federal Energy Regulatory Commission on the NERA Net Energy Metering Petition*, June 2020

Public Comments to *Colorado Public Utility Commission on Valuing Distributed Energy Resources*, June 2020

Public Comments to *New Jersey Board of Public Utilities on Resource Adequacy Alternatives*, May 2020

Public Comments to *Federal Energy Regulatory Commission on the Request for a Technical Conference or Workshop on Carbon Pricing*, April 2020

Public Comments to *Federal Energy Regulatory Commission on Offshore Wind Transmission*, December 2019

Public Comments on the *Colorado Transmission Coordination Act and Participation in Centralized Electricity Markets*, November 2019

Public Comments to *New York Public Service Commission on Resource Adequacy*, November 2019

Public Comments to *Massachusetts Department of Energy Resources on Clean Peak Energy Standards*, October 2019

Public Comments to *New Jersey Board of Public Utilities on New Jersey's Energy Master Plan*, September 2019

Public Comments to *Federal Energy Regulatory Commission on NYISO's Order 841 Compliance Filing*, February 2019

Public Comments to *Federal Energy Regulatory Commission on PJM Capacity Market Reforms*, November 2018

Public Comments to *California Public Utilities Commission on Self-Generation Incentive Program Greenhouse Gas Signal Staff Proposal*, September 2018

Public Comments to *New York State Department of Public Service on the Energy Storage Roadmap*, September 2018

Joint Comments to *New York State Department of Public Service on the E Value of Energy Storage Systems*, September 2018

Public Comments to *Federal Energy Regulatory Commission on Seasonal Capacity Markets*, July 2018

Value of Distributed Energy Resources E/EJ Subgroup Report to *New York State Department of Public Service on Environmental Value of Distributed Energy Resources in New York State*, July 2018

Public Comments to *New York State Department of Public Service on Rate Design Successor to Net Energy Metering for Mass Market Customers*, May 2018

Public Comments to *Federal Energy Regulatory Commission on Electric Grid Resilience Order*, May 2018

Public Comments to *Federal Energy Regulatory Commission on PJM Capacity Market Repricing Proposal*, May 2018

Brief of Amicus Curiae of *Institute for Policy Integrity at New York University School of Law in Hudson River Sloop Clearwater vs New York State Public Service Commission* — Supreme Court of the State of New York County of Albany, March 2018

Public Comments to *New York State Public Service Comments on Staff Report Regarding Retention of Existing Baseline Resources under Tier 2 of the Renewable Energy Standard Program*, January 2018

Presentation to *New York State Department of Public Service Staff on In the Matter of the Value of Distributed Energy Resources Working Group Regarding Value Stack on Valuing Air Pollutant Externality Benefits from Distributed Energy Resources*, December 2017

Public Comments to *New York State Department of Public Service on Scope of Bill Impact Study to New York*, December 2017

Public Comments on *Pricing Carbon in NYISO's Wholesale Energy Market*, November 2017

Public Comments to *Federal Energy Regulatory Commission on Department of Energy Proposal for Grid Reliability and Resilience Pricing*, November 2017

Brief of Amicus Curiae of *Institute for Policy Integrity at New York University School of Law in Coalition for Competitive Elec v Zibelman* - US Court of Appeals for the Second Circuit, November 2017

Brief of Amicus Curiae of *Independent Economists in Coalition for Competitive Elec v Zibelman* – US Court of Appeals for the Second Circuit, November 2017

Public Comments to *Federal Energy Regulatory Commission on Department of Energy Proposal for Grid Reliability and Resilience Pricing*, October 2017

Public Comments to *the Department of Energy on Request for Information on the Costs and Benefits of Net Energy Metering*, October 2017

Party Comments to *California Public Utilities Commission Order Instituting Rulemaking to Create a Consistent Regulatory Framework for the Guidance, Planning, and Evaluation of Integrated Distributed Energy Resources*, Rulemaking 14-10-003, March 2017

Public Comments to *Massachusetts Department of Environmental Protection on Reducing Greenhouse Gas Emissions under Section 3(d) of the Global Warming Solutions Act*, February 2017

Public Comments to *Federal Energy Regulatory Commission on Proposed Rulemaking for Electric Storage Participation in Markets Operated by Regional Transmission Organizations and Independent System Operators*, 18 CFR pt 35, January 2017

Party Comments to *New York State Department of Public Service on Staff Report and Recommendations in the Value of Distributed Energy Resources Proceeding*, Case 15-E-0751, December 2016

Party Comments to *New York State Department of Public Service on Petitions for Rehearing on Clean Energy Standard*, Case 15-E-0302, October 2016

Party Comments to *New York State Department of Public Service on Benefit Cost Analysis Handbooks in the Reforming the Energy Vision Proceeding*, Case 16-M-0412, September 2016

Public Comments to *Draft NARUC DER Compensation Manual*, September 2016

Party Comments to *New York State Department of Public Service on Staff's Responsive Proposal for Preserving Zero-Emissions Attributes*, Case 15-E-0302, July 2016

Public Comments for *Federal Trade Commission Something New Under the Sun Workshop*, June 2016

Party Comments to *New York State Department of Public Service on the Matter of the Value of Distributed Energy Resources and Options Related to Establishing an Interim Methodology*, Case 15-E-0751, April 2016

Party Comments to *New York State Department of Public Service on Staff White Paper on Clean Energy Standard*, Case 15-E-0302, April 2016

Public Comments to *Proposed Federal Plan Requirements for Greenhouse Gas Emissions from Electric Utility Generating Units Constructed on or Before January 8, 2014, and Model Trading Rules; Amendments to Framework Regulations* January 2016

Party Comments to *New York State Department of Public Service on Staff White Paper on Ratemaking and Utility Business Models*, Case 14-M-0101, October 2015

Party Comments to *New York State Department of Public Service on Staff White Paper on Benefit Cost Analysis*, Case 14-M-0101, August 2015



Public Comments to *Public Service Commission of the District of Columbia on Order Opening Investigation into Modernizing the Energy Delivery Structure for Increased Sustainability*, Order No17912, August 2015

Public Comments on *Joint Application of Wisconsin Electric Power Company and Wisconsin Gas LLC, both d/b/a We Energies, for Authority to Adjust Electric, Natural Gas, and Steam Rates*, Docket No 5-UR-107, October 2014

### **CONFERENCE PRESENTATIONS/INVITED TALKS**

National Council on Energy Policy Annual Meeting and Workshop, *December 2020*

Rutgers Energy Institute Seminar, *November 2020*

Asociación Chilena de Energías Renovables y Almacenamiento Webinar, *July 2020*

EAERE 25th Annual Conference, *Berlin, Germany, June 2020*

Environmental Law Institute Webinar, *April 2020*

Southern Economic Association Annual Meeting, *Ft. Lauderdale, FL, November 2019*

The 37th Annual USAEE Conference, *Denver, CO, November 2019*

Delaware Energy Coalition Conference, *Wilmington, DE, October 2019*

Environmental Law Institute Webinar, *April 2019*

Gulf Coast Power Association Spring Conference, *Houston, TX, April 2019*

New York University Social Innovation Symposium, *March 2019*

Society of Environmental and Law Economics Conference, *Santiago, Chile, March 2019*

Women in Communications and Energy Fall Conference, *October 2018*

NYS DPS Value of Distributed Energy Resource Working Group Meetings, *October 2018*

National Regulatory Conference at William and Mary, *Williamsburg, VA, May 2018*

North American Environment, Energy, and Natural Resources Conference, *Houston, TX, May 2018*

Environmental Law Institute Webinar, *April 2018*

Association of American Law Schools Annual Meetings, *San Diego, CA, January 2018*

Canadian Law and Economics Association's Annual Conference, *Toronto, Canada, September 2017*

Society of Environmental and Law Economics Conference, *Oxford, UK, June 2017*

MEA Annual Meeting *Minneapolis, MN, March 2015*

European Conference on Health Economics, *Zurich, Switzerland, July 2012*

4th Biennial Conference of American Society of Health Economists Biennial Conference, *Minneapolis, MN, June 2012*

ASSA Annual Meeting, *San Francisco, CA, January 2009*

Winter Workshop in Economics, *Istanbul, Turkey, December 2008*

The Eighth International Meeting of the Society for Social Choice and Welfare, *Istanbul, Turkey, July 2006*

AEA - NSF Teaching Innovations Program, Georgetown University, *Washington DC, June 2005*

Southern Economic Association Annual Meeting, *New Orleans, LA, November 2004*

**PROFESSIONAL MEMBERSHIPS**

American Economic Association

Association of Environmental and Resource Economists

European Association of Environmental and Resource Economists

United States Association for Energy Economics

The Scientific Council of University of Calgary the School of Public Policy

**OTHER**

Languages:                   English (fluent), Turkish (native), Spanish (basic), French (basic)