

CURRICULUM VITAE

Elisheba (Beia) Spiller

CITIZENSHIP: USA

CONTACT INFO

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EDUCATION

Ph.D. in Economics, Duke University, Durham, NC, USA, May 2011

M.A. in Economics, Duke University, May 2008

M.A. in Public Policy, Universidad Torcuato di Tella, Buenos Aires, Argentina, December 2005

B.A. in Environmental Policy, University of California, San Diego, La Jolla, CA, USA June 2003

PROFESSIONAL EXPERIENCE

May 2022- Present

Resources for the Future, Washington DC

-Transportation Program Director, Fellow

January 2022- Present

Board member and Chair of Diversity, Equity and Inclusion Committee, Association for Environmental and Resource Economists

January 2013 – April 2022

Environmental Defense Fund, New York NY

-Lead Senior Economist

-Editor, EDF Economics Discussion Paper Series

June 2011- December 2012

Resources for the Future, Washington DC

-Post-Doctoral Fellow

2008- 2010

Department of Economics, Duke University, Durham, NC

- Research Assistant for Christopher Timmins

- Teaching Assistant: Non-Market Valuation (Spring 2010) – Graduate Level; Current Issues in International Trade and Economic Development (Spring 2009) - Undergraduate Level

- Writing and Composition Instructor: American International Economic Policy (Spring 2009), International Trade (Fall 2009) - Undergraduate Level

2006

CIPPEC (Centro de Implementación de Políticas Públicas para la Equidad y el Crecimiento), Buenos Aires, Argentina

-Executive Director Assistant

2003

Buenos Aires Municipality, Environmental Secretary, Buenos Aires, Argentina

- Environmental Program Coordinator

2002-2003

Natural Reserve System, UC San Diego, La Jolla, CA

- Natural Reserve Management Planner

PUBLICATIONS

1. “Mortality Risk from PM_{2.5}: A Comparison of Modeling Approaches to Identify Disparities Across Ethnic Groups in Policy Outcomes”, with Nicholas Z. Muller, Jeremy Proville, and Ananya Roy. 2021. *Environmental Health Perspectives*, 129(12), 127004.
2. Bharatkumar, A., Esparza, R., Mohlin, K., Spiller, E., Tapia-Ahumada, K., & Unel, B. (2019). “Electricity Simulations on the Distribution Edge: Developing a Granular Representation of End-User Electric Load Preferences using Smart Meter Data”, In Local Energy, Global Markets, 42nd IAEE International Conference, May 29-June 1, 2019. International Association for Energy Economics.
3. Bilich, A., Spiller, E., & Fine, J. (2019). Proactively planning and operating energy storage for decarbonization: Recommendations for policymakers. *Energy Policy*, 132, 876-880.
4. Convery, F. J., Mohlin, K., & Spiller, E. (2017). Policy Brief—Designing Electric Utility Rates: Insights on Achieving Efficiency, Equity, and Environmental Goals. *Review of Environmental Economics and Policy*, 11(1), 156-164.
5. Spiller, E., Sopher, P., Martin, N., Mirzatumy, M., & Zhang, X. (2017). The environmental impacts of green technologies in TX. *Energy Economics*, 68, 199-214.
6. Spiller, E., Stephens, H. M., & Chen, Y. (2017). Understanding the heterogeneous effects of gasoline taxes across income and location. *Resource and Energy Economics*, 50, 74-90.
7. Muehlenbachs, L., E. Spiller, and C. Timmins (2015), "The Housing Market Impacts of Shale Gas Development," *American Economic Review*, 105(12): 3633-59.
8. Spiller, E., H.M. Stephens, C. Timmins, and A. Smith (2013), “The Effect of Gasoline Taxes and Public Transit Investments on Driving Patterns”, *Environmental and Resource Economics*, doi:10.1007/s10640-013-9753-9.
9. Li, S., J. Linn and E. Spiller (2013). “Evaluating ‘Cash for Clunkers’: Program Effects on Auto Sales, Jobs and the Environment”, *Journal of Environmental Economics and Management*, 65(2): 175-193. <http://dx.doi.org/10.1016/j.jeem.2012.07.004>.

SELECT WORKING PAPERS

1. “The Cost of Species Protection: The Land Market Impacts of the Endangered Species Act”, with Eyal Frank, Maximilian Auffhammer, David McLaughlin, and David Sunding. 2021. Draft working paper prepared for the 2021 NBER EEE Summer Institute, available at: https://conference.nber.org/conf_papers/fl57199/fl57199.pdf
2. “Retail Electricity Tariff Design, Distributed Energy Resources, and Emissions”, with Ricardo Esparza, Kristina Mohlin, Karen Tapia-Ahumada, and Burcin Unel. March 2021. Available at https://policyintegrity.org/documents/Unel_et_al_Retail_Rate_Design_DERs_and_Emissions_March_2021.pdf (Under review at *Journal of the Association of Environmental and Resource Economists*)
3. “The Health Benefits of Solar Power Generation: Evidence from Chile”, with Nathaly Rivera and Cristobal Ruiz-Tagle. 2021. Environmental Defense Fund Economics Discussion Paper Series, EDF EDP 21-02. Available at: <http://ssrn.com/abstract=3789139>. (Under review at *Journal of Environmental Economics and Management*)

4. “The Role of Electricity Tariff Design in Distributed Energy Resource Deployment”, with Ricardo Esparza, Kristina Mohlin, Karen Tapia-Ahumada, and Burcin Unel. 2020. Environmental Defense Fund Economics Discussion Paper Series, EDF EDP 20-03. Available at: <http://ssrn.com/abstract=3711073>; R&R at *Energy Economics*.

FELLOWSHIPS AND GRANTS

- Environmental Defense Fund, Hyperlocal air-quality monitoring to assess the causal effects of inequities in exposure to truck traffic pollution (\$200,000), 2022
- Alfred P. Sloan Foundation, Energy and Environment, Grant No-G- 2020-12661, 2020 (\$30,000)
- ITIF Energy Innovation Scholar, 2019
- Alfred P. Sloan Foundation, Energy and Environment, Grant No-G-2017-9829, 2017-2019 (\$589,260)
- Joseph L. Fisher Doctoral Dissertation Fellowship, Resources for the Future, 2010-2011
- Duke Endowment Fellowship, Duke University, 2006-2011

ORGANIZED WORKSHOPS AND WEBINARS

Research and Policy Discussions in the Power Sector ([webinar series plus associated blogs](#))

- Funded by the Alfred P. Sloan Foundation
 - Co-hosted with NYU School of Law Institute for Policy Integrity
1. “Energy Justice and the Just Transition in the Power Sector- New Research and Policy Opportunities”, October 26, 2021.
 2. “Public Acceptance and Governance in Energy Policy”, December 16, 2021.
 3. “Energy Market Design: New Research and Policy Approaches”, February 3, 2022.
 4. “Distributed Energy Resources and Distribution Network Impacts”, March 4, 2022.
 5. “Is the Price Right? Valuing and Compensating Distributed Energy Resources”, May 2022.

“Exploring Innovative Transportation Policies Workshop”, July 15-16, 2020. Co-hosted with Resources for the Future and Duke's Nicholas School.

“On The REV Agenda: The Role of Time Variant Pricing”, March 31, 2015. Co-hosted with NY Department of Public Service and NYU School of Law Institute for Policy Integrity.

LANGUAGES

English (native), Spanish (native).

REGULATORY SUBMISSIONS AND GOVERNMENT COMMENTS

Toman, M. and B. Spiller. "Comments to Treasury on the IRA's Clean Vehicle Provisions", November 2022. Available for download [here](#).

Stein, E. and B. Spiller. "Comments of EDF In the Matter of the Value of Distributed Energy Resources, Case Number 15-E-0751", March 8, 2021. Available for download [here](#).

Spiller, E. "Direct Testimony of Elisheba Spiller on Behalf of Environmental Defense Fund, for the Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Case 20-E-0380 Niagara Mohawk Power Corporation", Nov 25, 2020. Available for download [here](#).

Union of Concerned Scientists et al (2020). "Petition for Reconsideration of EPA's Final Rule—The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021–2026 Passenger Cars and Light Trucks", Docket No. EPA-HQ-OAR-2018-0283, June 29, 2020. Available for download [here](#).

Colbert, P.A. et al. "Coalition for Sustainable Distributed Clean Energy Comments on Rate Design Successor to Net Energy Metering for Mass Market Customers", May 29, 2018. Available for download [here](#).

Spiller, B. and E.B. Stein. "Comments of Environmental Defense Fund on Matter 17-01276 (In the Matter of the Value of Distributed Energy Resources Working Group Regarding Value Stack), Matter 17-01277 (In the Matter of the Value of Distributed Energy Resources Working Group Regarding Rate Design)", May 7, 2018. Available for download [here](#).

Spiller, B. "Direct Testimony of Elisheba Spiller for the Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations CASE 16-E-0060 7 of Consolidated Edison Company of New York, Inc. for Electric Service", May 27, 2016. Available for download [here](#).

Tripp, J., E.B. Stein, R. Christian, and B. Spiller. "Comments of Environmental Defense Fund on Time-Sensitive Rate Pilot Plan", November 6, 2014. Available for download [here](#).

Tripp, J., E.B. Stein, R. Christian, B. Spiller, J. Morris, and R. Salter. "Comments of Environmental Defense Fund and Natural Resources Defense Council on Petition of Consolidated Edison Company of New York, Inc. for Approval of Brooklyn/Queens Demand Management Program", October 6, 2014. Available for download [here](#).

Union of Concerned Scientists et al (2020). "Petition for Reconsideration of EPA's Final Rule—The Safer Affordable Fuel-Efficient (SAFE) Vehicles Rule for Model Years 2021–2026 Passenger Cars and Light Trucks", Docket No. EPA-HQ-OAR-2018-0283, June 29, 2020. Available for download [here](#).

Colbert, P.A. et al. "Coalition for Sustainable Distributed Clean Energy Comments on Rate Design Successor to Net Energy Metering for Mass Market Customers", May 29, 2018. Available for download [here](#).

Spiller, B. and E.B. Stein. "Comments of Environmental Defense Fund on Matter 17-01276 (In the Matter of the Value of Distributed Energy Resources Working Group Regarding Value Stack), Matter 17-01277 (In the Matter of the Value of Distributed Energy Resources Working Group Regarding Rate Design)", May 7, 2018. Available for download [here](#).

Spiller, B. "Direct Testimony of Elisheba Spiller for the Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations CASE 16-E-0060 7 of Consolidated Edison Company of New York, Inc. for Electric Service", May 27, 2016. Available for download [here](#).

Tripp, J., E.B. Stein, R. Christian, and B. Spiller. "Comments of Environmental Defense Fund on Time-Sensitive Rate Pilot Plan", November 6, 2014. Available for download [here](#).

Tripp, J., E.B. Stein, R. Christian, B. Spiller, J. Morris, and R. Salter. "Comments of Environmental Defense Fund and Natural Resources Defense Council on Petition of Consolidated Edison Company of New York, Inc. for Approval of Brooklyn/Queens Demand Management Program", October 6, 2014. Available for download [here](#).