



**Elizabeth A. Stanton, Ph.D.**, Director and Senior Economist

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## **PROFESSIONAL EXPERIENCE**

**Applied Economics Clinic**, Somerville, MA. *Director and Senior Economist*, February 2017 – Present.

The Applied Economics Clinic provides technical expertise to public service organizations working on topics related to the environment, consumer rights, the energy sector, and community equity. Dr. Stanton is the Founder and Director of the Clinic ([www.aeclinic.org](http://www.aeclinic.org)).

**Liz Stanton Consulting**, Arlington, MA. *Independent Consultant*, August 2016 – January 2017.

Providing consulting services on the economics of energy, environment and equity.

**Synapse Energy Economics Inc.**, Cambridge, MA. *Principal Economist*, 2012 – 2016.

Consulted on issues of energy economics, environmental impacts, climate change policy, and environmental externalities valuation.

**Stockholm Environment Institute - U.S. Center**, Somerville, MA. *Senior Economist*, 2010 – 2012; *Economist*, 2008 – 2009.

Wrote extensively for academic, policy, and general audiences, and directed studies for a wide range of government agencies, international organizations, and nonprofit groups.

**Global Development and Environment Institute, Tufts University**, Medford, MA. *Researcher*, 2006 – 2007.

**Political Economy Research Institute, University of Massachusetts-Amherst**, Amherst, MA. *Editor and Researcher – Natural Assets Project*, 2002 – 2005.

**Center for Popular Economics, University of Massachusetts-Amherst**, Amherst, MA. *Program Director*, 2001 – 2003.

## **EDUCATION**

**University of Massachusetts-Amherst**, Amherst, MA

Doctor of Philosophy in Economics, 2007

**New Mexico State University**, Las Cruces, NM

Master of Arts in Economics, 2000

**School for International Training**, Brattleboro, VT

Bachelor of International Studies, 1994

## AFFILIATIONS

**Global Development and Environment Institute**, Tufts University, Medford, MA.

*Senior Research Fellow*, 2007 – present

## PAPERS AND REPORTS

Stanton, E.A., R. Lopez, B. Woods, T. Stasio, and A. Sommer. *Report on Indiana's 2018 Draft Statewide Analysis of Future Resource Requirements of Electricity*. Applied Economics Clinic. 2018. Prepared for Citizens Action Coalition of Indiana. [\[Online\]](#)

Stanton, E.A. *Massachusetts Comprehensive Energy Plan: Comments on Stakeholder Meeting Presentation*. Applied Economics Clinic. 2018. Prepared for Conservation Law Foundation. [\[Online\]](#)

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Woods, B., C. Schlegel, and E.A. Stanton. 2018. *Massachusetts' Clean Energy Policy Overview*. Applied Economics Clinic. Prepared for Barr Foundation. [\[Online\]](#)

Comings, T., E.A. Stanton, and B. Woods. 2018. *The ABCs of Boston CCE*. Applied Economics Clinic. Prepared for Barr Foundation. [\[Online\]](#)

Stanton, E.A., E.N. Marzan, and S. Alisalad. 2018. *Assessing Energy Efficiency in Massachusetts*. Applied Economics Clinic. Prepared for Conservation Law Foundation. [\[Online\]](#)

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Stanton, E.A., T. Comings, and A. Sommer. 2018. *The Husker Energy Plan: A New Energy Plan for Nebraska*. Applied Economics Clinic. Prepared for the Nebraska Wildlife Foundation. [\[Online\]](#)

Comings, T., E.A. Stanton, and B. Woods. 2017. *An Analysis of Community Choice Energy for Boston*. Applied Economics Clinic. Prepared for Barr Foundation. [\[Online\]](#)

Wilson, R., T. Comings, and E.A. Stanton. 2017. *Ratepayer Impacts of ConEd's 20-Year Shipping Agreement on the Mountain Valley Pipeline*. Applied Economics Clinic. Prepared for the Environmental Defense Fund. [\[Online\]](#)



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Stanton, E.A., P. Knight, P. Luckow, A. Allison, T. Vitolo, J. Barnes, B. Inskeep, and C. Barnes. 2016. *Envisioning Pennsylvania's Energy Future: Powering the Commonwealth's Energy Needs with 100 Percent Renewables by 2050*. Prepared by Synapse Energy Economics and EQ Research for Delaware Riverkeeper Network. [\[Online\]](#)

Wilson, R., S., Fields, P. Knight, E. McGee, W. Ong, N. Santen, T. Vitolo, and E.A. Stanton. 2016. *Are the Atlantic Coast Pipeline and the Mountain Valley Pipeline Necessary?* Prepared by Synapse Energy Economics for Southern Environmental Law Center and Appalachian Mountain Advocates. [\[Online\]](#)

Knight, P. and E.A. Stanton. 2016. *"Sorting Out New England's Pipeline Needs: A Round Up of Recent Studies and What They Mean"*. Synapse Energy Economics White Paper. [\[Online\]](#)

Stanton, E.A., P. Knight, A. Allison, T. Comings, A. Horowitz, W. Ong, N. R. Santen, K. Takahashi. 2016. *The RGGI Opportunity 2.0: RGGI as the Electric Sector Compliance Tool to Achieve 2030 State Climate Targets*. Prepared by Synapse Energy Economics for Sierra Club, Pace Energy and Climate Center, and Chesapeake Climate Action Network. [\[Online\]](#)

Jackson, S., P. Luckow, E.A. Stanton, A. Horowitz, P. Peterson, T. Comings, J. Daniel, and T. Vitolo. 2016. *Reimagining Brayton Point: A Guide to Assessing Reuse Options for the Somerset Community*. Prepared by Synapse Energy Economics for Coalition for Clean Air South Coast, Clean Water Action, and Toxics Action Center. [\[Online\]](#)

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Wilson, R., T. Comings, and E.A. Stanton. 2015. *Analysis of the Tongue River Railroad Draft Environmental Impact Statement*. Prepared by Synapse Energy Economics for Sierra Club and Earthjustice. [\[Online\]](#)

Knight, P., S. Fields, S. Jackson, W. Ong, N. R. Santen, B. Biewald, and E.A. Stanton. 2015. *Multi-State Compliance with the Clean Power Plan in CP3T*. Prepared by Synapse Energy Economics for the National Association of State Utility Consumer Advocates. [\[Online\]](#)

Vitolo, T., P. Luckow, S. Fields, P. Knight, B. Biewald, and E.A. Stanton. 2015. *Lower Electric Costs in a Low- Emission Future*. Prepared by Synapse Energy Economics for The Energy Foundation. [\[Online\]](#)

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Knight, P., A. Allison, E.A. Stanton. 2015. *Preliminary Clean Power Plan Analysis for Kentucky*. Prepared by Synapse Energy Economics for Kentuckians for the Commonwealth. [\[Online\]](#)

Stanton, E. A., P. Knight, J. Daniel, B. Fagan, D. Hurley, J. Kallay, E. Karaca, G. Keith, E. Malone, W. Ong, P. Peterson, L. Silvestrini, K. Takahashi, and R. Wilson. 2015. *Massachusetts Low Gas Demand Analysis: Final Report*. Prepared by Synapse Energy Economics for the Massachusetts Department of Energy Resources. [\[Online\]](#)

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Fisher, J., P. Knight, E.A. Stanton, and B. Biewald. 2014. *Avoided Emissions and Generation Tool (AVERT): User Manual. Version 1.0*. Prepared by Synapse Energy Economics for the U.S. Environmental Protection Agency. [\[Online\]](#)

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Stanton, E. A., F. Ackerman, and J. Daniel. 2013. *Comments on the 2013 Technical Update of the Social Cost of Carbon*. Prepared by Synapse Energy Economics for the Environment, Economics and Society Institute. [\[Online\]](#)

Luckow, P., E.A. Stanton, B. Biewald, J. Fisher, F. Ackerman, and E. Hausman. 2013. *2013 Carbon Dioxide Price Forecast*. Synapse Energy Economics White Paper. [\[Online\]](#)

Stanton, E. A., S. Jackson, G. Keith, E. Malone, D. White, and T. Woolf. 2013. *A Clean Energy Standard for Massachusetts*. Prepared by Synapse Energy Economics for the Massachusetts Clean Energy Center and the Massachusetts Departments of Energy Resources, Environmental Protection, and Public Utilities. [\[Online\]](#)

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Hornby, R., P. Chernick, D. White, J. Rosenkranz, R. Denhardt, E. Stanton, J. Glifford, B. Grace, M. Chang, P. Luckow, T. Vitolo, P. Knight, B. Griffiths, and B. Biewald. 2013. *Avoided Energy Supply Costs in New England: 2013 Report*. Prepared by Synapse Energy Economics for the Avoided-Energy-Supply-Component (AESC) Study Group. [\[Online\]](#)

Stanton, E. A., T. Comings, K. Takahashi, P. Knight, T. Vitolo, and E. Hausman. 2013. *Economic Impacts of the NRDC Carbon Standard*. Prepared by Synapse Energy Economics for the Natural Resources Defense Council. [\[Online\]](#)

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Whited, M., D. White, S. Jackson, P. Knight, and E.A. Stanton. 2013. *Declining Markets for Montana Coal*. Prepared by Synapse Energy Economics for Northern Plains Resource Council. [\[Online\]](#)

Stanton, E. A. and F. Ackerman. 2013. *Climate Impacts on Agriculture: A Challenge to Complacency?* Global Development and Environment Institute Working Paper 13-01. [\[Online\]](#)

Stanton, E. A., F. Ackerman, T. Comings, P. Knight, T. Vitolo, and E. Hausman. 2013. *Will LNG Exports Benefit the United States Economy?* Prepared by Synapse Energy Economics for the Sierra Club. [\[Online\]](#)

Ackerman, F., T. Vitolo, E. Stanton, and G. Keith. 2013. *Not-so-smart ALEC: Inside the attacks on renewable energy*. Prepared by Synapse Energy Economics for the Civil Society Institute. [\[Online\]](#)

Ackerman, F., E.A. Stanton, and R. Bueno. 2012. *Climate Policy and Development: An Economic Analysis*. Economics for Equity and the Environment (E3 Network) Working Paper. [\[Online\]](#)



Stanton, E. A. and M. Taylor. 2012. *A Good Environment for Jobs*. Economics for Equity and the Environment (E3 Network) Working Paper. [\[Online\]](#)

Stanton, E. A., F. Ackerman, and R. Bueno. 2012. *Reason, Empathy, and Fair Play: The Climate Policy Gap*. UNDESA Working Paper No.113. [\[Online\]](#)

Erickson, P., M. Lazarus, E.A. Stanton, C. Chandler, R. Bueno, F. Ackerman, C. Munitz, and J. Cegan. 2012. *Greenhouse Gas Emissions in King County: An Updated Geographic-plus Inventory, a Consumption-based Inventory, and an Ongoing Tracking Framework*. Prepared by Stockholm Environment Institute-U.S. Center for King County, Washington. [\[Online\]](#)

Stanton, E. A., R. Bueno, J. Cegan, and C. Munitz. 2012. *King County Community Greenhouse Gas Emissions Inventory – Consumption Methodology: Technical Report*. Prepared by Stockholm Environment Institute-U.S. Center for King County, Washington. [\[Online\]](#)

Stanton, E. A., J. Cegan, R. Bueno, and F. Ackerman. 2012. *Estimating Regions' Relative Vulnerability to Climate Damages in the CRED Model*. Stockholm Environment Institute-U.S. Center Working Paper WP-US-1103. [\[Online\]](#)

Stanton, E.A. 2012. *Development without Carbon as Climate Policy*. Economics for Equity and the Environment (E3 Network) Working Paper. [\[Online\]](#)

Ackerman, F., E.A. Stanton, and R. Bueno. 2012. *Epstein-Zin utility in DICE: Is risk aversion irrelevant to climate policy?* Economics for Equity and the Environment (E3 Network) Working Paper. [\[Online\]](#)

Stanton, E. A., R. Bueno, and M. Davis. 2011. *Real People, Real Impacts: The Climate Impact Equity Lens*. Stockholm Environment Institute-U.S. Center Report. [\[Online\]](#)

Stanton, E. A. and R. Bueno. 2011. *The CIEL Backgrounder: Understanding the Climate Impact Equity Lens*. Stockholm Environment Institute-U.S. Center Report. [\[Online\]](#)

Stanton E.A. 2011. *Development without Carbon: Climate and the Global Economy through the 21st Century*. Stockholm Environment Institute-U.S. Center Report. [\[Online\]](#)

Erickson, P., M. Lazarus, E.A. Stanton, and F. Ackerman. 2011. *Consumption-Based Greenhouse Gas Emissions Inventory for Oregon – 2005: Summary Report*. Prepared by Stockholm Environment Institute-U.S. Center for the State of Oregon Department of Environmental Quality. [\[Online\]](#)

Stanton, E.A., R. Bueno, F. Ackerman, P. Erickson, R. Hammerschlag, and J. Cegan. 2011. *Consumption-Based Greenhouse Gas Emissions Inventory for Oregon – 2005: Technical Report*. Prepared by Stockholm Environment Institute-U.S. Center for the State of Oregon Department of Environmental Quality. [\[Online\]](#)

Ackerman, F. and E.A. Stanton. 2011. *The Social Cost of Carbon*. Economics for Equity and the Environment (E3 Network) White Paper. [\[Online\]](#)



Stanton, E.A., R. Bueno, J. Cegan, and C. Munitz. 2011. *Consumption-Based Emissions Inventory for San Francisco: Technical Report*. Prepared by Stockholm Environment Institute-U.S. Center for the City of San Francisco, California. [\[Online\]](#)

Stanton, E. A. and F. Ackerman. 2011. *Developing Baselines for Climate Policy Analysis*. Prepared by Stockholm Environment Institute-U.S. Center as additional guidance for “United Nations Environmental Programme (UNEP) MCA4climate Initiative: A practical framework for planning pro-development climate policies.” [\[Online\]](#)

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Ackerman, F. and E.A. Stanton. 2011. *The Last Drop: Climate Change and the Southwest Water Crisis*. Stockholm Environment Institute-U.S. Center Report funded by the Kresge Foundation. [\[Online\]](#)

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Bueno, R. and E.A. Stanton. 2011. *Casting DICE for 350 ppm*. Stockholm Environment Institute-U.S. Center Working Paper WPUS-1101. [\[Online\]](#)

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Ackerman, F., E.A. Stanton, and R. Bueno. 2010. *CRED: A New Model of Climate and Development*. United Nations Department of Economic and Social Affairs Working Paper No.96. [\[Online\]](#)

Stanton, E. A., M. Davis, and A. Fencl. 2010. *Costing Climate Impacts and Adaptation: A Canadian Study on Coastal Zones*. Prepared by Stockholm Environment Institute-U.S. Center for the National Round Table on the Environment and the Economy Economic Risks and Opportunities of Climate Change Program. [\[Online\]](#)

Ackerman, F. and E.A. Stanton. 2010. *The socio-economic implications of climate change on FYR Macedonia and national policy options on adaptation*. United Nations Development Programme (UNDP) Report. [\[Online\]](#)

Ackerman, F., E.A. Stanton, S. DeCanio, E. Goodstein, R. Howarth, R. Norgaard, C. Norman, and K. Sheeran. 2009. *The Economics of 350: The Benefits and Costs of Climate Stabilization*. Economics for Equity and the Environment (E3 Network), Stockholm Environment Institute-U.S. Center, and Ecotrust Report. [\[Online\]](#)

Stanton, E. A., F. Ackerman, and K. Sheeran. 2009. *Understanding Interstate Differences in U.S. Greenhouse Gas Emissions*. Stockholm Environment Institute-U.S. Center Working Paper WP-US-1004. [\[Online\]](#)

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Stanton, E. A. and F. Ackerman. 2008. *Generated User Benefits and the Heathrow Expansion: Understanding Consumer Surplus*. Prepared by Stockholm Environment Institute-U.S. Center for Friends of the Earth England, Wales and Northern Ireland. [\[Online\]](#)

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## TESTIMONY AND EXPERT COMMENTS

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