

Laura Zachary

210-273-1240 • 1623 Lanier Pl. NW #202, Washington, DC 20009 • laura@apogeeep.com

WORK EXPERIENCE

Apogee Economics and Policy, Washington, D.C.

Managing Director | Independent Energy, Climate & Resources Consultant

July 2015-Present

Apogee EP is a boutique energy and climate firm that provides in-depth economic and policy analysis to clients across research, non-profit, and local/state/federal government sectors. Key initiatives include:

The Wilderness Society

- Oversaw priority analytic projects, including economic and quantitative analysis, related to efforts to advance ambitious agency policy and legislation focused on federal public lands' contribution to climate solutions
- Created an online interactive platform leveraging personal modeling of energy development on federal lands and waters, to educate the public on the scope/impact of federal land emissions and to identify emission reduction policy opportunities

Resources for the Future

- Co-authored an economic analysis for NASA on the cost-effectiveness of a tiered methane monitoring system using satellite and remote sensing technologies to target emissions
- Proposed and ran an organization-wide assessment that maximizes the impact and relevance of RFF's work by enhancing strategic research and policy engagement at the subnational level given shifts in federal political climate
- Co-led a nationwide mixed-methods study on the impacts of rapid oil and gas development on public school financing and academic performance that became a chapter in *Energy Impacts*
- Co-authored a policy brief on improving the Bureau of Land Management's use of the National Energy Modeling System to guide long-term programmatic planning and policy actions

New Jersey Conservation Foundation

- Authored research reports, white papers, fact sheets, press releases, and website posts analyzing policy to advise advocacy initiatives related to natural gas and electric utilities, regulatory and market reform, clean energy, and energy efficiency
- Integrated long-term energy policy planning and emissions reduction efforts by collaborating with academic institutions, environmental organizations, regulatory agencies, and power companies

White House Council on Environmental Quality, Washington, D.C.

Office of Energy & Climate

September 2016-December 2016

- Provided research, writing, technical analysis, and general support for a number of climate change mitigation initiatives including the *U.S. Mid-Century Strategy for Deep Decarbonization*

National Governors Association, Washington, D.C.

Graduate Consultant—State Policies on Hydraulic Fracturing

September 2014-January 2015

- Made technical and regulatory recommendations for state policymakers to reduce methane and water impacts in the oil and gas sector; managed a team conducting over 45 interviews with representatives from government, academia, and industry

City of San Antonio, San Antonio, TX

Environmental Management Analyst

October 2012-July 2013

- Analyzed methane reduction and waste diversion programs including plans to transition a 30,000-household organic composting pilot program to a citywide rollout covering 345,000 households
- Conducted comparative city research informing the long-term design of a city commercial recycling ordinance and potential plastic bag ban

United States Peace Corps, Patzún, Guatemala

Municipal School Health Coordinator

January 2010-February 2012

- Trained and supervised 210 teachers on the implementation and daily operation of a public health and water sanitation program in 24 rural communities, improving the health of 5,330 primary school students
- Served on the United States Agency for International Development *Small Project Assistance Fund* Committee, allocating \$250,000 in small grants and advising on project design to enhance organizational and technical skills in communities working on sustainable agricultural, health, sanitation, and eco-tourism projects

EDUCATION

Princeton University, Princeton, NJ

June 2015

- Master in Public Affairs, Princeton School of Public and International Affairs
- Certificate in Science, Technology, and Environmental Policy; Concentration in Domestic Policy
- **Natural Resources Defense Council**, Washington, D.C. (June-Aug. 2014)
 - Authored a white paper on key drivers of deforestation in the Americas
 - Produced country energy profiles for 2014 UN Climate Change Conference of the Parties

Tufts University, Medford, MA

May 2009

- Bachelor of Arts in International Relations, *magna cum laude*; Honors Thesis, *summa cum laude*
- Tisch College of Citizenship and Public Service Scholar
- School for International Training in Uganda & Rwanda

LANGUAGE & TECHNOLOGY SKILLS

- Spanish (Fluent); Swahili (ACTFL Advanced Level in 2008); Kaqchikel (Conversational)
 - Advanced in managing large datasets in Excel; Proficient in STATA and Tableau
-

PUBLICATIONS

- Drilling Impacts: A Boom or Bust for Schools? A Mixed Methods Analysis of Public Education in Six Oil and Gas States. With Nathan Ratledge. book chapter, Jeffrey Jacquet, Julia Haggerty and Gene Theodori, eds., *Energy Impacts: A Multidisciplinary Exploration of North American Energy Development*., Society and Natural Resources Press and University Press of Colorado. 2021.
- “Tackling Methane Emissions: A cost-effectiveness analysis of remote sensing satellite technologies”. With Alan Krupnick and Riley Duren. Resources for the Future. May 2019.
- “Public lands fly under climate radar”. With Nathan Ratledge and Steven J. Davis. *Nature Climate Change*. Vol 9. 89-93. February 2019.
- “Historic and Future (2005-2030) Greenhouse Gas Emissions from Fossil Fuel Development on Federal Lands”. With Nathan Ratledge. Presented at 2017 Energy Policy Research Conference. Park City, UT. September 2017.
- “Impacts of Unconventional Oil and Gas Booms on Public Education: A Mixed-Methods Analysis of Six Producing States”. With Nathan Ratledge. Resources for the Future. Report. August 2017.
- “WHIMBY (What’s Happening in My Backyard?): A Community Risk-Benefit Matrix of Unconventional Oil and Gas Development”. With Alan Krupnick, Isabel Echarte and Daniel Raimi. RFF Report. June 2017.
- “Public Education Impacts of Unconventional Oil and Gas Development”. With Nathan Ratledge. RFF Report. June 2017. Presented at Association of Environmental and Resource Economists: 6th Annual Summer Conference. Pittsburgh, PA. June 2017.
- “United States Mid-Century Strategy for Deep Decarbonization” Reducing Non-CO2 Emissions, with Office of Climate and Energy team, White House Council on Environmental Quality, November 2016.
- “Applying EIA’s National Energy Modeling System to US Coal Projections: Strengths and Weaknesses for BLM’s Programmatic Environmental Impact Statement”. With Alan Krupnick and Nathan Ratledge. RFF. Policy Brief No. 16-11. September 2016.
- “Addressing air and water concerns: State policy opportunities in unconventional oil and gas”. With M. Chimowitz et al. Princeton University. Prepared for National Governors Association. February 2015.