

# MICHAEL M. FORD

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## EDUCATION

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University of New Mexico, Department of Economics

*Doctor of Philosophy Candidate, Full-time. Albuquerque, NM.*

GPA: 3.75

Relevant Coursework: Dynamic Optimization Modeling, Energy Systems and Practices, Econometrics, individual research on CCS projects, Dissertation on carbon dioxide enhanced oil recovery and Class VI storage in southeastern New Mexico. Term paper on program evaluation of Reducing Emissions from Deforestation and Forest Degradation (REDD+) projects in Brazil.

University of Chicago Irving B. Harris School of Public Policy

*Master of Public Policy, 2010. Graduated with distinction. Chicago, IL.*

GPA: 3.50

Relevant Coursework: Environmental Science and Policy, Economic Development in the Public Sector, Political Economy for Public Policy, Statistics For Public Policy, Program Evaluation, Econometrics, Finance, Cost-Benefit Analysis.

“The Costs and Benefits of Permeable Pavement: An Economic Analysis.” Winner, 2009 SustainUS Citizen Science graduate paper competition. Presented to the United Nations Conference on Sustainable Development. Accepted for graduate honors.

Earlham College

*Bachelor of Arts, Economics, 2004. Richmond, IN.*

GPA: 3.87

**Honors:** Phi Beta Kappa, Claude Stinneford Award in Economics, Presidential Achievement Scholarship.

## WORK EXPERIENCE

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**New Mexico Environment Department, Climate Change Bureau**

**November 2023 – Present**

*Climate Change Economist. Santa Fe, NM.*

- Contracted and oversaw economic analysis and communications for the Clean Transportation Fuels Standard Act of 2024. Provided economic modeling for use in potential rulemaking efforts.
- Prepared Workforce Development and Job Quality sections of the statewide Climate Pollution Reductions Grant’s Priority Climate Action Plan application to the U.S. Environmental Protection Agency. Built cross-agency coalition with the New Mexico Department of Workforce Solutions to implement workforce provisions.
- Wrote departmental letter to the U.S. Treasury Department on the 45(V) Clean Hydrogen Tax Credit.
- Headed initiative to consolidate network of all external stakeholders for future Bureau communicational materials.

**Carbon Solutions**

**December 2021 – October 2023**

*Research Associate. Albuquerque, NM.*

- Produced Quality Jobs, Narrative, and Project Readiness sections for U.S. Department of Energy CarbonSAFE proposals.
- Developed *CO<sub>2</sub>NCORD<sup>PRO</sup>* capture cost software with clients including investor-owned utilities and private industry.
- Published reports, including paper on scaling up CCS in the United States for the 16th Greenhouse Gas Control Technologies Conference in Lyon, France: [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=4274085#](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4274085#).
- Produced company-wide communications such as post highlighting the technical importance of CCUS to achieving the International Energy Agency’s Net-Zero Emissions scenario: <https://www.carbonsolutionsllc.com/?p=2686>.

**Sandia National Laboratories**

**September 2019 – December 2021**

*Year Round Economics Intern, Office of Resilience and Regulatory Affairs. Albuquerque, NM.*

- Organized intern research efforts for the Western U.S. Carbon Utilization and Storage Partnership (CUSP-West).
- Assisted with economic impact analysis on job market effects from exporting New Mexico’s wind and solar generation.
- Collected and analyzed data on business and employment effects of pandemic shutdowns for Covid-19 dashboard.
- Automated processes to monetize the value of avoided daily and hourly outages from investment in grid resilience.

**U.S. Bureau of Land Management**

**December 2015 – July 2019**

*Economist, Office of Energy, Minerals, and Realty Management. Washington, DC.*

- Published Regulatory Impact Analyses quantifying the costs and benefits of proposed and final rules for four major departmental energy initiatives, and a Socioeconomic Impact Study for lifting of the federal coal leasing moratorium.
- Hired, supervised, and evaluated staff on revisions to the BLM Energy, Minerals, and Realty management homepage.
- Built, documented, and publicly presented 10-year revenue model for the Office of Management and Budget. Developed and presented new forecasts for the Federal Accounting Standards Advisory Board.
- Led efforts to determine the appropriate discount factor for Long-Term Funding Mechanisms to pay for water treatment of mine tailings. Supported final decisions on financial capacity of operators on the Trans-Alaska Pipeline System.

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## U.S. Energy Information Administration

August 2012 – December 2015

*Industrial Economist, Office of Petroleum, Natural Gas, and Biofuels Analysis. Washington, DC.*

- Translated Office of Petroleum, Natural Gas, and Biofuels Analysis (PNGBA) work into Today in Energy (TIE) reports.
- Represented PNGBA on the TIE management team. Worked with authors on content clarity, accuracy, and public appeal.
- Published market research via TIE and the Natural Gas Weekly Update (NGWU). Coordinated media inquiry responses.
- Led efforts to publish modeling results and analysis for PNGBA sections of the 2014 and 2015 Annual Energy Outlook (AEO) publications, and reports modeling the impact of U.S. crude oil export restrictions.
- Prepared report and presentation for U.S. Secretary of Energy Ernest Moniz on options for processing increased U.S. light, tight crude oil production. Delivered EIA presentation to the Bakken Flaring Alternatives & Gas Capture 2014 conference.

## Maryland Department of Budget and Management

September 2010 – August 2012

*Economist and Budget Analyst, Office of Budget Analysis. Annapolis, MD.*

- Served as department's Economist, generating annual revenue forecast and tax expenditures report. Additionally charged with budgetary and operational oversight for multiple state agencies.
- Analyzed agency operational and performance data provided via Managing for Results, Maryland's statewide strategic planning and performance initiative. Assessed the relevance of chosen metrics for gauging each agency's effectiveness in serving Maryland voters. Recommended new metrics when appropriate.
- Coordinated with multiple agencies to publish the FY 2013 Tax Expenditures Report for the State of Maryland.
- Served as departmental representative to the Governor's StateStat Office and Revenue Monitoring Committee.

## RW Ventures

January 2010 - August 2010

*Research Consultant, part-time. Chicago, IL.*

- Analyzed neighborhood and property data to reduce regressivity of assessed valuation regression models.
- Researched and proposed energy and transportation infrastructure policy reforms.

## Cook County Assessor's Office

June 2009 - August 2009

*Affordable Housing Analyst. Chicago, IL.*

- Led project to gather, analyze, and model property and neighborhood data of affordable market housing properties.
- Presented findings and recommendations for reducing property tax regressivity to Cook County Assessor Jim Houlihan.

## Mergermarket Group

January 2008 - August 2008

*Financial Reporter. New York, NY.*

- Reported Latin American corporate and sovereign debt for *Financial Times* subsidiary.
- Built network of traders, analysts, and company executives to produce actionable intelligence on fixed-income financial instruments for infrastructure projects in developing countries.

## Business News Americas

September 2006 - October 2007

*Financial Reporter. Santiago de Chile.*

- Covered water, waste and infrastructure sectors in Mexico, Central America and the Caribbean for a proprietary online financial newswire. Interviewed high-level government and private-sector officials on major infrastructure projects.

## Global English Advance

August 2005 - August 2006

*Professor of Business English. Santiago de Chile.* Taught English courses to Chilean business professionals.

## High Road Upper School

September 2004 - June 2005

*Teaching Assistant. Beltsville, MD.* Educated special needs students for a public charter high school.

**COMPUTER SKILLS** MS Word, MS Access, Excel, MS Visual Basic for Applications, SPSS, STATA, EViews, QGIS, ArcGIS, SAS (Intermediate), IMPLAN, National Energy Modeling System, SimCCS.

**LANGUAGE SKILLS** Fluent in English and Spanish, intermediate Portuguese. TESOL Certificate.

**MEMBERSHIPS** Engineers Without Borders, WaterReuse, U.S. Association for Energy Economics, Energy Toastmasters.

**PERSONAL RESEARCH** Presentations evaluating options for oil and gas produced water reuse to the Ground Water Protection Council Underground Injection Control conferences (2018 and 2019), University of Tulsa International Petroleum Environmental Conference (2018), and University of New Mexico Center for Water and the Environment (April 12, 2019).