

Melina Bartels

61 Broadway, 20th Floor, Suite 2010, New York, NY 10006
melina.bartels@ethree.com

ENERGY AND ENVIRONMENTAL ECONOMICS, INC. *Managing Consultant*

New York, NY

Ms. Bartels works in the E3's Asset Valuation group, focusing on renewable and storage market entry and investment strategy, largely in the Eastern regions and CAISO. Melina works with developers and financial clients to find value across transmission-level to behind-the-meter projects and portfolios. Her E3 experience spans a broad range of projects including work on market forecasting, diligence, and strategy, often with a focus on distributed energy resources or grid edge technologies. Prior to joining E3, Ms. Bartels was on BloombergNEF's power team. There, she focused on North America mid- and long-term energy system forecasting, asset valuation, and environmental market efforts. She also conducted similar work at ICF in their advisory services division, largely in transaction support. Ms. Bartels graduated from Dartmouth College with a B.S. in Mechanical Engineering and B.A. in Earth Sciences.

BLOOMBERG LP *Power Associate*

New York, NY
June 2019 – June 2021

- Fortified North America power market expertise by examining changes to pricing, supply, and demand fundamentals.
 - Areas of focus: mid- and long-term market forecasting, asset valuation, and decarbonization (distressed fossil assets/environmental markets/emerging technology strategy: hydrogen, CCUS)
- Represented BloombergNEF across the U.S. and internationally in direct client interactions, interviews with reporters, webinars, panels, and conference presentations
- Major projects included:
 - New Energy Outlook (NEO): Led the North America power component of BloombergNEF's highest-tracked, global project: NEO. Used a bottom-up, 8760 modeling approach to generate the long-term view of 10 U.S. and Canadian markets. Delegated across 20+ analysts in commodities (power/gas/oil), clean energy (solar/wind/storage/decentralized energy), and demand-side dynamics (transportation/buildings). Results used in 2-degree and policy scenario (Biden: zero emissions by 2035/California: SB100) modeling
 - Asset valuation (IRRs/LCOEs): Managed the North America component of BloombergNEF's asset valuation. Modeled discounted cash flows, including tax equity structures, to evaluate individual assets and portfolios. Additionally, maintained client-facing benchmark cash flow inputs (cost-side: expenditures, financing/revenue-side: take, merchant values) for thermal and renewable technologies across different U.S. markets

ICF INTERNATIONAL *Power Analyst*

Fairfax, VA
June 2017 – May 2019

- Developed market forecasts and determined optimal contracting options to assist buy - and sell-side entities with energy asset and commodity transactions. Largest projected average annual revenue from a single asset acquisition was \$110M

Education

Dartmouth College
B.E., Energy Systems Engineering
B.A., Earth Sciences and Geology

Hanover, NH
March 2016