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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.
Senior Consultant

San Francisco, CA

Mr. Miller joined E3's Asset Valuation team in 2019. An experienced economics and finance professional, he is skilled in financial modeling and a range of quantitative analyses, including cash flow forecasting, financial valuation, Value for Money (VfM), Economic Cost-Benefit Analysis (CBA), fiscal commitment and contingent liability evaluation, risk assessment, tariff structuring, and sensitivity analysis. Prior to joining E3, Mr. Miller spent more than four years at K&M Advisors, an international finance and engineering advisory firm, where he performed financial modeling and analysis of power projects totaling 3,250 MW in 16 countries and covering a range of generation technologies. He has advised a wide range of clients from government agencies and multilateral development institutions to utilities, project sponsors, and private equity investors. Mr. Miller holds a B.A. with honors in International Relations and Economics from Pomona College and a M.A. with honors in Energy and International Finance from the John Hopkins University School of Advanced International Studies (SAIS).

K&M ADVISORS
Manager

Chevy Chase, MD
September 2014 – June 2019

- Led due diligence, financial modeling, contract negotiation support, and/or market analysis for over 20 power projects in more than 16 countries (> 3,250 MW of solar PV, wind, hydro, geothermal, natural gas, liquids)
- Project manager for 140 MW geothermal IPP in Kenya; led feasibility study (technology options, cost-benefit analysis, demand, tariff, commercial structure, and environmental/social impact). Advising on procurement
- Led financial due diligence for a private equity fund on LNG and merchant solar projects in Chile (> \$1 billion); reviewed sponsor's financial models and spot market pricing; performed risk analysis of DSCRs and cash flows
- Led development of a DCF valuation model and due diligence for > \$100 million binding offer from private investors to acquire four power plants (244 MW) in Central America & the Caribbean
- Modeled dispatch and system generation costs for a 100 MW capacity addition in Aruba under various solar and wind scenarios, resulting in \$100 million investment decision. Currently advising on LNG procurement strategy
- Led tariff structuring and financial modeling for 40 MW solar PV project in Kenya; presented to utility senior management team; project was approved for capital raising and implementation
- Modeled load profile, generation mix, and unit costs of power supply options (solar, wind, gas, storage, and grid interconnections) for major port operator in Colombia; assessed regulations and risks to identify preferred option

CASTALIA STRATEGIC ADVISORS*Economic & Financial Analyst*Washington, DC
July 2013 – August 2014

- Advised electricity regulator in the Philippines on the design of new performance incentives and revisions to the rate base valuation methodology for distribution utilities
- Led analysis of carbon financing mechanisms for renewable energy in SE Asia for the World Bank

INTERNATIONAL COUNCIL ON CLEAN TRANSPORTATION (ICCT)*Fuels Intern*Washington, DC
Summer 2012

- Conducted original research on commercialization policies for advanced biofuels; co-authored ICCT white paper, *Measuring and Addressing Investment Risk in the Second-Generation Biofuels Industry*

EducationThe Johns Hopkins University,
School of Advanced International Studies (SAIS)
M.A., Energy & Finance (with Honors)

Washington, DC

2013

Pomona College
*B.A., International Relations & Economics (Cum Laude)*Claremont, CA
2008**Citizenship**

United States