

David Delgado de Robles

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

Cambridge, MA

Senior Managing Consultant

Mr. Delgado de Robles is a member of E3's asset valuation and market design practice, where he supports clients in designing, navigating, capitalizing on the complexities of a decarbonized economy. He has extensive expertise in asset / portfolio and utility diligences, resource planning, reliability and resource adequacy, regulatory issues, and rate design. His work focuses on two key areas: market design and growth strategy support. In the area of market design, Mr. Delgado de Robles has contributed to several studies aimed at improving wholesale electricity market structures to support reliability and efficiency in the context of a decarbonizing grid. His recent work includes advising multiple Independent System Operators (ISOs)—such as ERCOT, MISO, and PJM—in the U.S. on market reforms to better align reliability goals with economic incentives. He was a co-author of E3's study evaluating alternative market design options for ERCOT, which explored mechanisms to enhance reliability while maintaining cost-effectiveness under evolving system conditions.

In his growth strategy work, Mr. Delgado de Robles advises project developers, asset owners, and investors on both organic and inorganic expansion opportunities. This includes market entry analysis, competitive positioning, and commercial due diligence across a wide range of targets (assets and utilities), technologies and geographies spanning across the Americas and Europe.

Prior to joining E3, Mr. Delgado de Robles was a management consultant in Deloitte's M&A and growth strategy practice, where he worked with clients in the energy, private equity, and industrial sectors. His experience spans commercial due diligence, market sizing, financial modeling, and competitive analysis.

Mr. Delgado de Robles holds an M.S. and a B.S. in Chemical Engineering from Stanford University, with a focus on Electricity Markets and Climate Technologies. Highlights of his work and public projects include:

ERCOT – Performance Credit Mechanism Strawman White Paper (2023-2024). Co-author of E3's strawman white paper outlining the conceptual design of the Performance Credit Mechanism (PCM) for the ERCOT market. The paper proposed a novel reliability framework centered around performance-based credits awarded to generators during hours of system stress. The strawman served as a foundational document for stakeholder discussions and regulatory review, detailing design parameters, market functionality, and potential implications for reliability, investment signals, and market efficiency.

ERCOT – Market Reliability Paper (2022-2023). Co-author of the E3 paper evaluating six potential market reforms to the ERCOT electricity market. E3 examined multiple reliability products that could be introduced into ERCOT's "energy-only" market design to help ensure the system can achieve a target reliability standard. E3's results were published in a comprehensive report that demonstrated several reforms could achieve a ten-fold improvement in the frequency of reliability events for approximately a 2% increase in system costs.

Confidential Clients, Asset & Utility Commercial Due Diligence for \$10B+ in Transaction Value (2021-2023). Has supported due diligence analysis for investors and developers interested in established and emerging technologies, including long-duration energy storage and green hydrogen, across the United States and Europe.

Confidential Client, U.S. Low-Carbon Fuels Market Landscape & Forecast (2022-2023). Supported a client in entering the low-fuels market in North America by performing a competitive analysis on the existing landscape and performing price forecasts for all relevant low-carbon fuel credit programs (e.g., CA LCFS, U.S. RIN, Canada LFCS).

DELOITTE CONSULTING LLP

New York, NY

Strategy Consultant

September 2019 – September 2021

- Performed commercial / strategic and operational due diligences for private equity and corporate clients
- Conducted target searching / screening and advised corporate clients on inorganic growth strategies
- Developed 5-year growth strategy and roadmap for a small-cap biotech company to enter new therapeutic markets

APPLIED PREDICTIVE TECHNOLOGIES

San Francisco, CA

Business Consultant Intern

June 2017 – August 2017

- Worked in a startup that helped clients improve their business analytics through statistical tests and learn
- Developed a competitive incursion model for a retail client that prevented revenue loss from new competition
- Helped an insurance client increase conversion rate by 7% by optimizing cross-channel marketing

TENARIS

Buenos Aires, ARGENTINA

Industrial Management Control Intern

July 2016 – September 2016

- Supported monitoring the blast furnace's operations to ensure process reliability and product quality
- Reduced process' raw material costs by 20% YoY by optimizing the chemical composition of the furnace's load

Education

Stanford University

Stanford, CA

M.S., Chemical Engineering

June 2019

Stanford University

Stanford, CA

B.S., Chemical Engineering

June 2018