Jon Tabernero

(925)-640-3871 | jon.tabernero@gmail.com

Summary

Energy analyst at a production cost modeling software company, former energy consultant with over 6 years of experience in modeling, data analysis, and research. Subject-matter expert on utility resource planning, power grid modeling (capacity expansion and production cost modeling) and building decarbonization. Experienced in leading proposal efforts, project planning, and training junior staff.

Work Experience

Cambridge Energy Solutions   **Cambridge, Massachusetts**
Energy Analyst   *November 2023 – Present*

- Tracking changes in the energy, capacity and ancillary markets across various Independent System Operators (ISOs) and Regional Transmission Organizations (RTOs) and updating the DAYZER model with changes.
- Maintaining the DAYZER market models for all US regions, including generation units and capacity expansion, and helping write new scripts and update existing scripts using DZScript.
- Assisting in testing, development of model improvements, and new features in the CES-US software products.

Synapse Energy Economics   **Cambridge, Massachusetts**
Energy Consultant   *November 2020 – November 2023*

- Performed power grid simulations using EnCompass to evaluate and analyze utility integrated resource plans (IRP) to support expert testimony and influence regulatory outcomes in various utility resource planning dockets in commission proceedings across SERC, NYISO, ISO-NE, and PJM.
- Led the analysis of Exelon's PJM-COMED capacity market bid auction strategies for the Illinois Governor's Office and recommended a structured, conditional subsidy that saved millions in tax-payer funds that reduced annual energy bills by 20% to 30% on average while securing carbon-free energy and capacity for the state.
- Modeled a range of building decarbonization trajectories and pathways across Oregon, Maryland, Indiana and more, to evaluate state progress and efforts towards meeting carbon reduction goals, pushing state regulators to proactive plan for building electrification.
- Founded Synapse's internal web-application development division; lead developer and engineer of the first two web applications written in Python, using SQL, and deployed using AWS.

GfK   **Boston, Massachusetts**
Semiconductor Research Analyst   *February 2018 – November 2020*

- Advised clients regarding recovery of global semiconductor market including sales, consumer confidence, and supply-side shortages, influencing the investment strategy of two $50 billion funds in the covid-19 pandemic.
- Developed financial models in Excel based on company annual reports (10Ks) to forecast global semiconductor supply and demand trends.
- Authored over 50 periodic reports distributed to client base detailing analysis of ongoing semiconductor market trends, and introducing proprietary forecasts for semiconductor demand.

Education

Boston University   **Boston, MA**
Bachelor of Arts in Economics, Minor in Business Administration   *September 2015 - January 2018*

Technical Skills

Power Sector Modeling: EnCompass, DAYZER   General Data Analysis: Excel, Python, SQL, Tableau, Stata
Web-Development: Python, CSS, HTML   Cloud Infrastructure: AWS, Azure