



Andrew Takasugi, Research Associate

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PROFESSIONAL EXPERIENCE

Synapse Energy Economics, Inc., Cambridge, MA. *Research Associate*, November 2020 – present

- Consults on energy-sector issues such as utility rate design, carbon emissions projections, and electric vehicle adoption.

Novantas, Inc., Boston, MA. *Senior Associate, October 2020, Lead Associate, July 2019 – September 2020, Associate, July 2018 – July 2019*

- Led analyses and designed models focused on providing quantitative insights into customer segmentation, pricing, rate sensitivity, and go-to-market strategy for FinTechs and banks.
- Translated results of analyses into concise qualitative summaries; presented findings to clients.
- Managed associates, training them on new analyses and reviewing and critiquing their work.
- Built rate design models in SQL, SAS, Python, and Excel.
- Identified key findings and implications of analyses and presented them to the project team.
- Modeled shifts in customer behavior and interest rates to estimate liquidity risks for clients.
- Developed go-to-market strategy to double profit over five years for commercial bank client; conducted analyses focused on deposit valuation, customer segmentation, and ROI.
- Performed an M&A due diligence which led client to make a \$2B bid on target firm; estimated the target's total addressable market, and forecasted possible effects of changes in regulatory policy and macroeconomic environment.

BW Research Partnership, Wrentham, MA. *Energy Policy Intern*, June 2016 – December 2016

- Analyzed economic survey data on clean energy employment and prepared analyses that were subsequently published in the 2016 Massachusetts Clean Energy Industry Report.
- Diagnosed weaknesses in clients' approaches to energy policy, and proposed individualized solutions based on each clients' strategic needs and background.

EDUCATION

Tufts University, Medford, MA

Bachelor of Science in Quantitative Economics & Environmental Studies, *Magna Cum Laude*, 2018

Recipient of the Linda Datcher Loury Award in Economics, and Highest Thesis Honors

Thesis: *Modeling Damage Scenarios: An Analysis of How Damage Function Specification Affects the Optimal Carbon Price*

SKILLS

GAMS, Excel, PowerPoint, Python, SAS, SQL