



Katrina Hagedorn

Senior Consultant, Power System Planning, (520) 652-3644, khagedorn@currentenergy.group

Education

Master of Science, Civil and Environmental Engineering, Atmosphere and Energy
Stanford University – Stanford, CA (2026)

Bachelor of Arts, Integrative Biology with a Secondary in Energy and Environment
Harvard University – Cambridge, MA (2020)

Work Experience

Senior Consultant, Power System Planning, Current Energy Group (2026 – Present)

- Advance electric resource planning engagements for clients navigating regulatory proceedings, including IRPs, CPCNs, power cost, avoided cost, and DSM cases.
- Develop, utilize, and maintain custom spreadsheet-based tools, optimization models, and other analytical platforms to evaluate energy technologies, portfolios, and the impact of different policies.
- Contribute to the firm's thought leadership on best practices for power system planning and implementation.
- Evaluate (qualitatively and quantitatively) power system planning studies conducted by peers, including assessment of assumptions and methodologies.

California Climate and Energy Fellow, Natural Resource Defense Council (NRDC) (2025)

- Co-authored public comments and reply comments submitted to the CPUC on California's Reliable and Clean Power Procurement Program, drafting written arguments and evidence to support NRDC's regulatory positions on how load-serving entities should meet clean energy requirements
- Researched and interpreted regulatory filings, capacity expansion data, and clean energy legislation across the Western Interconnection to assess emissions leakage and resource shuffling risk — developing quantitative analysis that directly informed NRDC's regulatory recommendations.
- Produced a 55-page research report on geothermal deployment, conducting quantitative and qualitative analysis of project economics, permitting timelines, and regulatory barriers — synthesizing findings for both technical and non-technical audiences.

Program Manager, Climate Ops, Google (2022 – 2024)

- Independently researched and interpreted complex regulatory frameworks – including IRA tax credit eligibility criteria, voluntary carbon market regulations, SBTi guidance, and GHG Protocol standards – translating findings into clear internal recommendations for senior leadership.

- Produced a renewable fuels landscape analysis that directly informed Google's SAF procurement decisions in 2023 and 2024, conducting quantitative and qualitative analysis of market dynamics and regulatory considerations.
- Developed and maintained a benchmarking report tracking peer companies' emissions reduction strategies, used continuously by senior climate and energy leadership as a reference for policy and strategy decisions.
- Built core input datasets for an internal electricity grid expansion optimization model, applying strong quantitative skills and advanced Excel-based analysis to support energy procurement strategy.
- Performed a literature review to synthesize key research on the implications for AI on energy use and decarbonization goals, resulting in the identification and contracting of research partners in the space.

Project Coordinator, Strategic Energy Innovations (2021 – 2022)

- Supported 16 clients — including the two largest California utilities — across 18 contract periods, applying subject matter expertise in renewable energy, energy systems, and climate science to deliver high-quality client work.
- Authored a 50-page research report and strategy recommendation on building energy modeling education for CalBEM, conducting research and developing policy recommendations communicated via presentations and a 50-page written report.
- Balanced up to 9 concurrent projects while working independently in a fast-paced, changing environment, regularly communicating with clients and internal teams to manage competing deadlines.
- Regularly applied subject matter expertise in renewable energy, corporate sustainability, and energy systems to deliver client-ready analysis and recommendations.

Creativity & Entrepreneurship Fellow, Harvard University Undergraduate Office of Education (2020 – 2021)

- Evaluated 114 grant applications for environment, health, social justice, and equity startup funds, applying structured quantitative and qualitative assessment criteria.
- Developed written content and slides for two new 12-week Harvard undergraduate courses on entrepreneurship (e.g., on market analysis and business model development).
- Created and presented a 75-minute lecture on public speaking and presentation skills, a lesson so popular that the Harvard Office for Career Services requested it for Harvard's Career Week.