



Tim Cook

Manager, (520) 413-8677, tcook@currentenergy.group

Education

Master of Aerospace Engineering

Georgia Institute of Technology (2018)

Bachelor of Mechanical Engineering

Cornell University (2014)

Work Experience

Manager - Power System Planning, Current Energy Group (Jan. 2026 – Present)

Sr. Consultant – DER Integration and Advanced Rate Design (July 2024 – Dec 2025)

- Deliver policy and numerical analysis on power system planning, grid modernization, and DER interconnection strategy through expert testimony, workgroups, and informational publications.
- Evaluate resource planning models, value of grid services, demand side program design, cost of service, and rate design to protect consumers and remove barriers to the energy transition.

DER Integration Consultant, Strategen Consulting, (Mar. 2023 – July 2024)

- Designed policies and programs on grid modernization, distribution system planning, DER interconnection, cost of service, and rate design for government and private sector clients.
- Advised grid modernization policy in Massachusetts utilities' Electric System Modernization Plans and Illinois utilities' Multi-Year Integrated Grid Modernization Plans.

Utilities Engineer, Georgia Public Service Commission, (Sept. 2018 – Jan. 2023)

- Informed energy policy decisions in the state of Georgia, contributing analysis of cost/benefit and system impact of renewable energy and storage buildout.
- Delivered testimony before the Public Service Commission in utility resource plans, a rate case, PURPA compliance, and resource procurements.

Engineering Consultant, TC Energy Consulting, (Jul. 2021 – Dec. 2022)

- Provided data analysis of solar-photovoltaic facility operational data as a self-employed consultant.

- Developed data filtering and analysis scripts in Python for fault detection and bifacial cell research. Prepared project reports and collaborated on published research.

Expert Testimony

Petition of Massachusetts Electric Company and Nantucket Electric Company, each d/b/a National Grid, for approval by the Department of Public Utilities of the Company's Monson-Palmer-Longmeadow (Northwest) Capital Investment Project proposal under the Provisional Program (D.P.U. 25-31). On behalf of the Attorney General's Office.

Flexible Interconnection, Cost Allocation, Reliability, Bill Impact Analysis

[Direct](#)

Petition of Massachusetts Electric Company and Nantucket Electric Company, each d/b/a National Grid, for approval by the Department of Public Utilities of the Company's Capital Investment Project proposal under the Provisional Program (D.P.U. 22-170, 23-06, 23-09, and 23-12). On behalf of the Attorney General's Office.

Distribution Impact Study, Cost Allocation

[Direct](#) | [Surrebuttal](#)

Georgia Power's 2022 Integrated Resource Plan (Docket No. 44160). On Behalf of the Georgia Public Service Commission.

Distributed Generation, Interconnection, Value of Solar, Energy Storage

[Direct Testimony](#)

Georgia Power Company's Application for the Certification of the 2022/2023 Utility Scale Renewable Power Purchase Agreements (Docket No. 43814). On Behalf of the Georgia Public Service Commission.

Procurement Evaluation

[Staff Certification Testimony](#)

Georgia Power Company's Application for the Certification of the 2020/2021 Renewable Energy Development Initiative Utility Scale Power Purchase Agreements (Docket No. 42625). On Behalf of the Georgia Public Service Commission.

Procurement Evaluation

[Staff Certification Testimony](#)

Capacity and energy payments to cogenerators under PURPA (Docket No. 4822). On Behalf of the Georgia Public Service Commission.

Avoided Cost, Interconnection, Renewable Compensation

[Rebuttal Testimony](#)

Selection of Relevant Experience

PC44 Distribution System Planning and Interconnection Workgroups on behalf of Maryland Office of People's Counsel (2023-Present)

- Advance industry-leading distribution planning methodology and policies to drive Maryland utilities to integrate DER into the electric system.
- Design Maryland Regulations which expand the market for DER grid services, implement flexible interconnection of load and DER, remove barriers to interconnection, and protect electric consumers from rising electric system costs.

Iowa DER report (2026)

- Evaluated utility-scale battery, virtual power plant, large customer rate design, and community solar to defer utility-proposed gas combustion turbine investments, reducing ratepayer costs and risks for new gas resources.

Value of DERs in Virginia Report on behalf of Virginia Solar United Neighbors (2026)

- Published study that evaluates cost and benefits of a DER portfolio that can reliably meet growing energy and capacity demand, while lowering costs and health impacts in Virginia.

[Report](#)

Kentucky's Energy Transition Report on behalf of Kentucky Resource Council (2025)

- Published study that evaluates Kentucky's energy resources through 2050, identifies pathways to lower cost and risk to Kentucky ratepayers, and assesses impacts of Kentucky legislation in 2023 SB 4 and 2024 SB 349.
- Performed resource modeling in GenX open-source software to evaluate coal retirement, and investment in renewable energy, batteries, and efficiency instead of gas-fueled plants.

[Report](#)

Georgia Power 2025 Integrated Resource Plan on behalf of Georgia Conservation Voters (2025)

- Performed resource expansion and production cost modeling in Aurora Energy Forecasting.
- Proposed alternative resource investment portfolios that reduced fuel and emissions cost risks.

[Direct Testimony](#)

Dominion Energy 2025 Rate Case (2025)

- Evaluated Cost of Service methods and developed an alternative production cost allocation based on hourly probability of dispatch.

Dominion 2024 Integrated Resource Plan (2025)

- Evaluated demand side program and distributed energy resource peak load reduction potential as an alternative to utility-proposed gas-fired resource investment.

Nevada Power Company 2025 Rate Case on behalf of Nevadans for Clean Affordable Reliable Energy (2025)

- Evaluated large-load customer policy issues, including line extension policies, cost of service study methodologies, flexible connection, and rate design to insulate ratepayers from the risk posed by the influx of large customer loads.

Rocky Mountain Power 2024 Rate Case on behalf of Utah Office of Consumer Services (2024)

- Evaluated Cost of Service methods and developed an alternative production cost allocation based on hourly probability of dispatch.
- Proposed alternative rate designs for residential time-of-use rates and more effective DER integration through flexible connections and DER grid services.

AES Ohio Smart Grid Plan Phase II on behalf of Ohio Consumers' Council (2024)

- Evaluated policy to protect consumers from unnecessary utility investments and unfair cost allocation and recovery, and to integrate DER for more effective grid modernization.

PPL Second DER Management Plan on behalf of the Pennsylvania Office of Consumer Advocate (2024-2025)

- Advocated against PPL's plan to directly control all DER, limiting utility investments, reducing cost shifts to ratepayers, and to pursue a comprehensive strategy for DER integration.

Pepco Multi-Year Plan on behalf of District of Columbia Office of People's Council (2023)

- Reviewed Pepco's Climate Ready Pathway to assess the Company's grid modernization plan.
- Developed recommendations for distribution system planning, flexible interconnection, and grid orchestration.

Energy System Modernization Plans ("ESMPs") on behalf of Massachusetts Attorney General's Office (2023-2024)

- Analyzed System Modernization plans from Eversource, National Grid, and Unitil.
- Developed recommendations for greater system flexibility and grid services from DER.

Illinois Multi-Year Integrated Grid Plans on behalf of Natural Resources Defense Council (2023-2024)

- Analyzed Grid Modernization plans from Commonwealth Edison and Ameren Illinois
- Developed recommendations for integrated distribution planning, flexible interconnection and grid orchestration.

Atlantic City Electric and Jersey Central Power & Light Rate Cases on behalf of New Jersey Division of Rate Counsel (2023)

- Reviewed planning & operations, reliability, and grid modernization in the ACE and JCP&L rate cases.