

Cameron Morelli

44 Montgomery Street, Suite 1500, San Francisco, CA 94104
cameron.morelli@ethree.com

ENERGY AND ENVIRONMENTAL ECONOMICS, INC. *Consultant*

San Francisco, CA

Cameron Morelli supports E3's Integrated System Planning practice area, focusing on resource planning and utility operational studies. Cameron joined E3 after earning a master's degree in Civil and Environmental Engineering from Stanford University. During graduate school, she worked at ACEP and helped develop decarbonization pathways for the Railbelt -- Alaska's largest regional electric grid. Prior to graduate school, she earned a bachelor's degree in mechanical engineering from UC Davis and worked as a consultant designing HVAC systems and modeling the energy systems in commercial buildings.

ALASKA CENTER FOR ENERGY AND POWER *Shultz Energy Fellow*

Fairbanks, AK
June 2022 – June 2023

- Created a production cost model of the Railbelt in PLEXOS to simulate dispatch of the system in 2021
- Explored decarbonization pathways for Alaska's Railbelt electric grid spanning from Homer to Fairbanks
- Modeled various decarbonization scenarios to determine economic feasibility, rate impacts, and effects on reliability

DEC ENGINEERS *Mechanical Engineer*

San Diego, CA
July 2020 – July 2021

- Produced building energy models in EnergyPro for HVAC equipment sizing and Title 24 energy code compliance
- Performed calculations to determine central heating and cooling plant sizing for district energy systems
- Consulted architects and building owners on achieving energy code compliance and greater sustainability goals
- Performed calculations and collected documentation for LEED certifications

EXP *Mechanical Design Engineer*

San Diego, CA
August 2019 – July 2020

- Performed life-cycle cost analyses of building energy systems to determine the most efficient design
- Performed heating and cooling load calculations and sized HVAC equipment for laboratory and hospital buildings
- Designed and modeled ductwork and piping layouts for HVAC systems in Revit and AutoCAD

UC DAVIS – FACILITIES MANAGEMENT

Davis, CA

Energy Engineering Intern

May 2017 – June 2019

- Completed various energy projects to improve the energy efficiency of buildings on campus as the university reaches its goal of net-zero carbon emissions by 2025
- Created a renewable energy generation profile for UC Davis by quantifying electricity generated by the on-campus solar farm and biodigester
- Analyzed building utility data and control system trends in Siemens Insight to find energy conservation measures

Education

Stanford University

M.A., Civil & Environmental Engineering (Atmosphere / Energy)

Stanford, CA

June 2023

University of California, Davis

B.S., Mechanical Engineering

Davis, CA

June 2019