

# Emily Rogers

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415.391.5100

## **ENERGY AND ENVIRONMENTAL ECONOMICS, INC.**

San Francisco, CA

*Associate*

Ms. Rogers joined E3's Asset Valuation practice area in 2021 after completing her master's in Civil and Environmental Engineering from the Energy, Civil Infrastructure, and Climate Program at UC Berkeley. Prior to joining E3, Ms. Rogers held research positions at the UC Berkeley Transportation Sustainability Research Center (TSRC) and Energy, Controls, and Applications Laboratory (eCAL). While at TSRC, she compiled and analyzed data on available zero emission bus models, infrastructure, and fleet management technologies to guide California transit fleets in meeting the Innovative Clean Transit Regulation. While at eCAL, she used data science, optimization, and stated preference surveys to determine the price elasticity of different electric vehicle charging options. Ms. Rogers holds an M.S. in Civil and Environmental Engineering from UC Berkeley and B.S. in Mechanical Engineering from University of Southern California.

Select E3 projects include:

- **Sacramento Municipal Utility District, Net Energy Metering Successor Rate Modeling (2021).** Performed detailed economic analysis assessing the cost shifts under each successor rate compared to NEM 1.0 compensation. Used E3's RESTORE model to estimate investment payback and value of solar and solar plus storage for SMUD customers.
- **GridLab, Distribution Cost Impacts of High Electrification Analysis (2021).** Developed model to estimate the distribution connected and coincident peak load, investment, and rate impacts of a high transportation electrification adoption scenario. Contributed to a report published publicly as an appendix to GridLab and UC Berkeley's 2035 Report.

## **TRANSPORTATION SUSTAINABILITY RESEARCH CENTER, UC BERKELEY**

Berkeley, CA

*Research Associate*

September 2020 – December 2020

- Developed a zero-emission bus (ZEB) implementation guidebook to assist California transit fleets in their transition to 100% ZEB fleets by 2040
- Compiled data on available bus, infrastructure, and fleet management technologies

## **PRE-ENGINEERING PROGRAM, UC BERKELEY**

Berkeley, CA

*Design Assistant*

July 2020 – August 2020

- Provided project guidance for teams of underrepresented and first-generation incoming UC Berkeley College of Engineering students
- Taught electronics and CAD basics

## **ENERGY, CONTROLS, & APPLICATIONS LAB, UC BERKELEY**

Berkeley, CA

*Graduate Researcher*

May 2020 – August 2020

- Developed and deployed a department-wide survey to Civil and Environmental Engineering undergraduate students to quantify the value of in-person courses during the COVID-19 pandemic
- Presented COVID-19 survey results to department chair for decision making and CITRIS
- Designed stated preference survey to determine price elasticity of electric vehicle charging options to make workplace charging economically sustainable

**SUSTAINABILITY SYSTEMS GROUP, UNIVERSITY OF SOUTHERN CALIFORNIA** Los Angeles, CA  
*Undergraduate Researcher* May 2018 – May 2019

- Analyzed data integrity within the energy-water nexus body of literature, presented results in a peer-reviewed publication
- Identified water infrastructure locations and aggregated data to quantify the electricity required for water services in LADWP territory with high spatio-temporal resolution
- Actively participated and presented findings in weekly group meetings

**CLARK PACIFIC CONSTRUCTION, IT DEPARTMENT** Los Angeles, CA  
*Independent Contractor* May 2016 – December 2016

- Rewrote VBA programs in VB.NET to update and build custom AutoCAD Macros
- Hired as an independent contractor after completing summer internship

## Education

University of California, Berkeley Berkeley, CA  
*M.S., Civil and Environmental Engineering - Energy, Civil Infrastructure, and Climate Program* 2020

University of Southern California Los Angeles, CA  
*B.S., Mechanical Engineering* 2019

## Publications

Grubert, E., **Rogers, E.**, & Sanders, K. T. (2020). Consistent Terminology and Reporting Are Needed to Describe Water Quantity Use. *Journal of Water Resources Planning and Management*, 146(8).  
 doi:10.1061/(asce)wr.1943-5452.0001241

## Citizenship

United States