



# RASEI

RENEWABLE AND SUSTAINABLE ENERGY INSTITUTE

## **BIG** energy seminar series

Addressing global energy challenges in scale and complexity.



### *Reducing Transportation Emissions: From Passenger Cars to Heavy Trucks*

## Stephanie Weber

Postdoc at the Yale School of the Environment

Date: February 16<sup>th</sup>, 2023 11:00 AM-12:00 PM

Location: SEEC Building, N224 or zoom: <https://cuboulder.zoom.us/j/97004369138>

Snacks and beverages will be served

#### **Abstract:**

**The transportation sector is the largest contributor to US greenhouse gas emissions, and policymakers have developed a variety of tools and technologies to reduce these emissions. This talk examines the environmental and economic consequences of vehicle electrification as well as fuel efficiency standards for heavy-duty trucks. Using a range of methods, I consider how carbon pricing policy can interact in surprising ways with electric vehicle adoption. I also document patterns in observed electric vehicle purchases and what these results suggest about how tastes for electric vehicles may change going forward. Finally, I consider fuel efficiency standards for heavy-duty trucks and estimate whether truck buyers undervalue future fuel savings and the implications of this undervaluation for the societal costs and benefits of the policy.**

#### **Bio:**

**Stephanie is a postdoc at the Yale School of the Environment, where she completed her PhD in environmental economics in 2021. She has a BS in Earth Systems from Stanford, and before graduate school, she worked at an electricity trading firm.**

[Link to campus map for SEEC Building](#)