

# Daniel J. Mazzone

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## CONTACT INFORMATION

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## RESEARCH INTERESTS

Energy and Environmental Economics, Climate Policy, Industrial Organization, Econometrics

## EDUCATION

**Ph.D. Agricultural & Resource Economics, UC Davis, February 2022**

Dissertation: Decarbonizing Transportation using Market-Based Low-Carbon Fuel Incentives

Committee: Aaron Smith (Chair), James B. Bushnell, Kevin Novan

**M.A. Economics, San Diego State University, May 2017**

**B.S. Economics, *Cum Laude*, Towson University, May 2015**

## PROFESSIONAL EXPERIENCE

**National Renewable Energy Laboratory, Golden, CO (Remote)**

*Researcher* Apr 2023 - Present

**MARC-IV Consulting, Kearney, MO (Remote)**

*Economist* Jun 2022 - Mar 2023

**U.S. Energy Information Administration, Washington, DC (Remote)**

*Economist* Jan 2022 - May 2022

**Resources for the Future, Washington, DC (Remote)**

*Researcher Intern* Jun 2021 - Sep 2021

**Briscoe Economics Group Inc., Davis, CA**

*Independent Contractor* Jul 2019 - Jun 2021

**Regional Economic Studies Institute, Towson, MD**

*Economics Research Intern* Jun 2014 - Nov 2014

## RESEARCH EXPERIENCE

**University of California, Davis**

*Graduate Researcher for the UC Institute of Transportation Studies* Jan 2020 - Dec 2021

Supervisors: Julie Witcover and Colin Murphy

*Graduate Researcher for the Davis Energy Economics Program*

Supervisors: Severin Borenstein and James Bushnell Aug 2020 - Dec 2020

*Graduate Researcher for Professor Aaron Smith*

Sep 2018 - Dec 2019

**San Diego State University**

*Research Assistant for Professor Ryan Abman* Jan 2016 - Aug 2017

*Research Assistant for Professor Joseph Sabia* Aug 2015 - Aug 2016

## WORKING PAPERS

Modeling Low Carbon Transportation Fuel Policies as Mixed Complementarity Problems (with Adam Christensen, Colin Murphy, and Julie Witcover) [R&R: *Applied Energy*]

“Pass-through of alternative fuel policy incentives: evidence from diesel and biodiesel markets, the U.S. Renewable Fuel Standard, and state Low Carbon Fuel Standards” (with Aaron Smith and Julie Witcover) Article

“Low Carbon Fuel Standards: A Decade in Review” (with Julie Witcover and Colin Murphy)

Bushnell, J., Mazzone, D., Smith, A., & Witcover, J. (2020). “Uncertainty, Innovation, and Infrastructure Credits: Outlook for The Low Carbon Fuel Standard through 2030.” *UC Davis: Institute of Transportation Studies*. Article

#### POLICY ARTICLES

Look, W., Haggerty, M. & Mazzone, D. (2022). “Community Hubs to Support Energy Transition.” *Resources for the Future Issue Brief*. Article

Mazzone, D., Witcover, J., & Murphy, C. (2021). “Multijurisdictional Status Review of Low Carbon Fuel Standards, 2010-2020 Q2.” *UC Davis: Institute of Transportation Studies*. Article

#### WORKS IN PROGRESS

Stacked Incentives for Alternative Transportation Fuels: Implications for Carbon Leakage

#### DATA APPLICATIONS

Low Carbon Fuel Standards - R Shiny Application. [Link](#)

#### RESEARCH FUNDING

Alternative Fuel Incentive Pass-Through (with Aaron Smith, Julie Witcover, and Colin Murphy)	
<i>Breakthrough Energy</i>	2021
<i>U.S. Department of Transportation</i>	2020
<i>National Philanthropic Trust</i>	2020

#### INVITED PRESENTATIONS

San Diego State University - Economics Department	2021
AERE Annual Meetings (held virtually)	2020

#### TEACHING EXPERIENCE

<b>San Diego State University</b>	
Teaching Associate (primary instructor)	Aug 2016 - May 2017
<i>Principles of Macroeconomics and Principles of Microeconomics</i>	
Teaching Assistant	
<i>Natural Resource Economics, Principles of Macroeconomics, Statistics</i>	Aug 2015 - May 2017

#### COMMUNITY AND SERVICE

ARE Social Committee Organizer, UC Davis	2017 - 2020
Towson Economics Society Organizer, Towson University	2014 - 2015

#### PAST AFFILIATIONS

Davis Energy Economics Program, UC Davis	2019 - 2021
Center for Health Economics and Policy Studies, San Diego State University	2015 - 2016

#### AWARDS AND GRANTS

<b>UC Davis</b>	
NCST Sustainable Transportation Research Grant	2020
Provost’s First Year Fellowship	2017
<b>San Diego State University</b>	
Most Outstanding Graduate Student Award	2017
Weintraub Research Scholarship	2017
Center for Public Economics Scholarship	2017
Renewal of McCuen Endowed Scholarship in Economics	2016
McCuen Endowed Scholarship in Economics	2015
<b>Towson University</b>	
Departmental Honors in Economics	2015

#### PROGRAMMING LANGUAGES

R (advanced), Stata (advanced), Python, Julia, Matlab, Github, L<sup>A</sup>T<sub>E</sub>X, Microsoft Office