





# Emma Grazier

Economist with Expertise in Equitable Energy Policy

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## EXPERIENCE

### UMASS ENERGY TRANSITION INSTITUTE | RESEARCH FELLOW

January 2021 - Present | Amherst, MA

- Work with a diverse team of scholars to conduct research on resilience and equity in the energy transition.
- Self-directed research analyzes how financial returns to Massachusetts homeowners from solar PV incentive programs vary by race & income.
- Collaborative project with computer scientists incorporates equity metrics into a machine learning algorithm to identify energy-inefficient homes to target for a heat pump incentive program in Holyoke, MA.

### UNIVERSITY OF MASSACHUSETTS AMHERST | INSTRUCTOR

January 2023 - Present

- Developed educational lectures and unique content for the undergraduate course ResEcon 212: Statistics for the Social Sciences.
- Re-tooled the standard curriculum into a fully virtual course for non-traditional college students.
- Strengths: Excellent verbal and written communication & frequent public speaking; Ability to explain difficult technical concepts to beginners.

### SANDIA NATIONAL LABORATORIES | ECONOMIST

June 2014 - June 2019 | Albuquerque, NM

- Worked on an interdisciplinary team to develop modeling and data analysis capabilities focused on the regional economic impacts of climate change, drought, sea-level rise, and terrorism.
- Projects include: Development of a flood resilience framework for the City of Norfolk, VA; Economic impact evaluation for a terrorist event involving a radiological dispersal device; Estimation of increased energy costs for U.S. hog and poultry farmers under various warming scenarios.

## LEADERSHIP & COMMUNICATION

### CAMPAIGN COORDINATOR | ANDREW SHEPHERD FOR STATE REPRESENTATIVE

January 2022 - January 2023

- Managed second-most competitive legislative campaign in the Commonwealth. Candidate received 46% of the vote in a 3-way race.
- Oversaw critical aspects of campaign, including candidate's event schedule, volunteer coordination, and letter-to-the-editor submissions.
- Edited all campaign materials, including newsletters, social media posts, speeches, and literature.
- Organized multiple fundraisers that gathered 200+ attendees and generated over \$80,000 in total campaign donations.

### SOCIAL MEDIA COORDINATOR | ASSOC. OF ENVIRO. & RESOURCE ECONOMISTS

2021 - Present

- Create engaging content for the Association of Environmental & Resource Economists' organizational Twitter account (@AereOrg) and for its two academic journals (@JaereAere, @ReepAere).
- Distill key findings from cutting-edge environmental economics research papers into digestible tweets for a broad audience.

## EDUCATION

### UMASS AMHERST

PH.D., RESOURCE ECONOMICS  
May 2023 (expected) | Amherst, MA

### UMASS AMHERST

M.S., RESOURCE ECONOMICS  
2021 | Amherst, MA

### UNIVERSITY OF NEW MEXICO

B.A., ECONOMICS  
2012-2016 | Albuquerque, NM

## SKILLS

### TOOLS & PLATFORMS

Experienced:

Microsoft Office • Stata • ArcGIS  
Google Suite • Canva

Familiar:

L<sup>A</sup>T<sub>E</sub>X • R • Tableau • MATLAB

### SUBJECT-MATTER EXPERTISE

- Equity & justice in energy policy
- Data analysis & econometrics
- MA solar incentives (SMART)
- Offshore wind industry trends
- Renewable energy technologies

## AWARDS

Carolyn Harper Memorial Fellowship  
2022 | Department of Resource Economics

Wind Energy Fellowship  
2018-22 | UMass Wind Energy Center

Teaching Assistant of Distinction  
2018 | Department of Resource Economics