



# QASIM MEHDI

Research Scientist | **CARBON SOLUTIONS LLC**

## PROFILE

Qasim has extensive training in environmental policy, econometrics, and data analysis. He has applied these skills to analyze a range of proposed net-zero carbon policies for the US electric grid with a particular focus on modeling health benefits with a high degree of demographic and geographic detail. The core of his research involves working with large demographics, surveys, energy, and geospatial datasets in Python.

## CONTACT INFORMATION

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CARBON SOLUTIONS LLC Website:  
[www.carbonsolutionsllc.com/](http://www.carbonsolutionsllc.com/)

## EDUCATION & TRAINING

**PhD** | Public Administration  
[Syracuse University](#) | 2018–2023  
**MPA** | Public Administration  
[Syracuse University](#) | 2017–2018  
**BA** | Social Sciences  
[Lahore University of Management Sciences](#) | 2010–2014

## PROFESSIONAL EXPERIENCE

**Research Scientist** | [CARBON SOLUTIONS LLC](#) | 2021–Present

Incorporating data related to socio-economics, health, and environment into the process of planning and locating energy and decarbonizing-related infrastructure while prioritizing environmental justice and equity considerations.

**Thriving Earth Exchange Community Science Fellow** | [American GeoPhysical Union](#) | 2023– Present

Co-developing community science projects that produce on-the-ground impact in local communities.

**Post-Doctoral Research Associate** | [University of Virginia](#) | 2023

Built datasets for a dashboard, 'Data Commons,' that tracks socio-economic, environmental and health indicators for the Virginia Department of Health.

## PUBLICATIONS

- Mehdi Q**, Nabatchi T. Saving the Salmon: Examining the Cost-Effectiveness of Collaboration in Oregon. *Journal of Public Administration Research and Theory*. 2022 August; 33 (3): 498-511
- Vasilakos PN, Shen H, **Mehdi Q**, Wilcoxon P, Driscoll C, Fallon K, Burtraw D, Domeshek M, Russel AG. US Clean Energy Futures – Air Quality Benefits of Zero Carbon Energy Policies. *Atmosphere*. 2022 July; 13 (9):1401

## PROFESSIONAL CONFERENCE PRESENTATIONS

- Assessing the Environmental Justice Implications of Decarbonizing the US Electric Grid: Estimating Changes in Asthma Exacerbation of Race and Income | **Dec. 2023, American Geophysical Union, San Francisco, CA**
- How much Environmental Justice is achieved if US decarbonizes its electric grid | **Nov. 2022, Association for Public Policy Analysis & Management, Washington DC**
- Modelling changes in deposition patterns of pollutants under decarbonization of the US electric grid. | **Oct. 2021, National Atmospheric Deposition Program, Madison, WI**

