



Madalsa Singh

Ph.D. Student in Energy Resources Engineering, admitted Autumn 2019

Bio

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I'm a Ph.D candidate in Department of Energy Science and Engineering at Stanford University researching carbon-constrained energy and transport systems. I study how to reliably move away from fossil fuels while improving public health, consumer affordability, and system economics. My research is advised by Prof. Inês Azevedo.

Please find more about my work at <https://madalsa.org/>

Publications

PUBLICATIONS

- **Distributional impacts of fleet-wide change in light duty transportation: mortality risks of $PM_{2.5}$ emissions from electric vehicles and Tier 3 conventional vehicles** *ENVIRONMENTAL RESEARCH LETTERS*
Singh, M., Tessum, C. W., Marshall, J. D., Azevedo, I. L.
2024; 19 (3)
- **Ensuring greenhouse gas reductions from electric vehicles compared to hybrid gasoline vehicles requires a cleaner U.S. electricity grid.** *Scientific reports*
Singh, M., Yuksel, T., Michalek, J. J., Azevedo, I. M.
2024; 14 (1): 1639