

Title of the Paper:

Analysing the Implications of Electrification of Public Transport Buses:
A Case Study of Pune City in India

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Importance of the work:

Cities across the world are considering electric buses for public transport as one of the solutions to problems of air pollution, climate change, and energy security. This paper analyses the feasibility of this solution by estimating the financial burden that such a shift may entail, and the corresponding emissions it would mitigate, by doing a detailed case study in one city in India. The results indicate that electric buses will be a promising option in the future but will require state support in the short and medium term. We also demonstrate a methodology for a cost-effective phased implementation of a transition to electric buses.

