

The manuscript addresses the critical role of solar photovoltaic systems in New York State's transition to renewable energy. It provides valuable insights into policy frameworks, technological advancements, and economic impacts, making it relevant for researchers, policymakers, and industry stakeholders focused on sustainable energy solutions.

The title is suitable but could be streamlined for clarity.

The abstract is comprehensive. It effectively summarizes the key points of the manuscript, including the importance of solar PV systems, the state's policies, and the challenges faced.

The English quality is suitable for scholarly communication. The writing is clear and well structured, making it accessible to the intended audience.

- Introduction: Clearly sets the context and outlines the objectives.
- History and Evolution: Provides a solid historical perspective on policies, though it could benefit from more recent examples.
- Technical Explanation: Well-detailed and informative, appropriate for the intended audience.
- Economic Perspective: Effectively highlights the benefits of solar PV systems, though more quantitative data could strengthen the arguments.
- Health and Community Benefits: Strongly emphasizes public health improvements, a critical aspect often overlooked in similar discussions.
- Conclusion: Summarizes findings well but could reinforce the significance of stakeholder collaboration.

The references are generally appropriate and recent, supporting the manuscript's claims. However, I suggest adding more recent studies or data from 2023 to strengthen the currency of the research.

There are no apparent ethical issues in this manuscript. The research appears to be based on publicly available data and established practices in the field.

There are no competing interest issues identified in this manuscript.

The article does not appear to be plagiarized. It contains original analysis and proper citations for referenced works.

A disclaimer is not necessary, as the manuscript does not reference previously published material that would require clarification.

#### Specific Comments:

The manuscript is well-researched and effectively communicates the importance of solar photovoltaic systems in New York State. It could benefit from minor revisions to enhance clarity and include more recent data to strengthen its arguments. Overall, it is a valuable contribution to the field of renewable energy research.