Review of: "Technical and Financial Viability of a 1 MW CSP Power Plant with Organic Rankine Module: Case Study for a Northeastern Brazilian City"

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Potential competing interests: No potential competing interests to declare.

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Review

The article represents a good piece of work in both fields of solar energy feasibility and the organic Rankine cycle technology application in the field of electricity production. However, there are some critical issues to be treated as follows:

1. No abbreviations will be used in the Abstract, and the principal findings will be briefly mentioned.
2. The (Introduction) is quite long and includes an unnecessarily detailed narrative. Please shorten it and add some recent references in the solar and ORC technology field. You may be referred to the book entitled What Every Engineer Should Know About the Organic Rankine Cycle and Waste Energy Recovery, Cambridge Scholars Publishing, United Kingdom, ISBN: 1-5275-8672-3, ISBN13: 978-1-5275-8672-72022, September 2022.
3. The objective of the work is preferable to be pointed out at the end of the (Introduction) with few details. Please state them in sequence according to their importance in the present work.
4. In pp. 10, table 1, the ranges of mass or volumetric flow rates of the thermal oil and cooling water are to be added.
5. A table describing the operating conditions (Temperature, Pressure, mass flow rate) of the working fluids will be added. A schematic diagram of the simulated model is needed to show the Solar collector and the ORC components.
6. State the physical dimensions of the simulated collector with a schematic diagram. A figure is needed to show the working fluid temperature variation for a typical day.

Finally, I wish the authors all the best for their careers.

Reviewer