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.

This paper presents a simulation case with a thermal model that considers the main optical and thermal losses, as well as different operating costs reported in the literature. The work is well presented and developed.

The paper describes that financial conditions are important factors to determine CSP feasibility and several configurations with different solar field size and storage capacity are analyzed in terms of LCOE for a chosen ORC module.

The novelty is based on the weather used for the simulation and the performance parameters used for the ORC module which corresponds to a commercially available unit.

It is said that a solar multiple factor is used for the solar field sizes but is not clear where and why. Also, it is not clear how the year-long operation results were obtained.

In nomenclature DNI it is described as “Direct normal insolation”, however insolation is measured in [Energy/Area-time period] example: MJ m^{-2} day^{-1}. Irradiance is measured in [Wm^{-2}]. Please check units of these terms through the document.

In some cases, references in square brackets are used as words within the text and it should not be.