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.

In CSP power plants, the thermal energy produced is evaluated by converting it into mechanical energy in the superheated steam system or by storing it in thermal energy storage (TES) units.

However, it must have a backup boiler powered by fossil fuels or a TES unit to heat water during periods of low solar radiation and when the sun is not shining.

If there is no fossil fuel auxiliary/backup facility, TES is used in these power plants to ensure that CSP facilities produce power continuously by charging during the day and discharging at night.

This situation is not fully explained and ignored in your article. I also recommend you to examine the following study. https://doi.org/10.1080/15435075.2021.1954006