

Review of: "Water-Energy Nexus in Power Systems: A Review"

Fellipe Sartori da Silva¹

¹ Universidade Estadual Paulista

Potential competing interests: No potential competing interests to declare.

The paper describes a relation between water and energy systems with some good reviews and examples, but lacks a coherent train of thought. If my and the other colleagues' suggestions are considered, it surely can be improved.

My major suggestions are:

- The authors should check all the references. I searched for some content within the statements with references but failed to find the ideas in the original papers (for instance, references 7, 16, 24, 53, and others);
- The analyses can be more developed. For example, in section II, the authors selected some research and highlighted the results. They did not work a train of thought, connect the works, or make comments over the content. This suggestion also applies to the subsequent sections;

My minor suggestions are:

- Avoid repetitive sentences;
- Check all the figures because the text that I reviewed had none, even though the authors cited 4 figures within the text;
- There is a typo in the sentence "*an analysis of Honk Kong*";
- In the statement "*Water is used in these systems for cooling, as the high temperatures generated during combustion can cause damage to the turbine blades*", the authors should check the reference, once the main process of combustion cooling is the increase of excess air;
- Multiple industrial processes use steam as a thermal source, and it can be explored in section II B.

I hope that the authors can improve this paper by considering all the reviewers, once the covered topic is evidently relevant.