

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

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Potential competing interests: No potential competing interests to declare.

This study investigated a review of the water-energy nexus in power systems. The following are my comments to improve this paper:

- 1- Typical methods should be compared in a table or figure (for better understanding of the readers);
- 2- The main limitations of the methods and their overall solution procedures should be explained;
- 3- The paper refers to fig. 1, yet the provided file lacks this image. Please revise it;
- 4- An updated and complete literature review should be conducted to present the state-of-the-art and knowledge gaps of the research with strong relevance to the water-energy nexus in power systems;
- 5- In this work, how to handle the issue of sustainable energy planning and energy management? This issue is more prominent in the large-scale integrated energy systems problem of a power system, which needs to control a lot of equipment, whose control is dependent on a large number of exogenous features (time-series).