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

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Potential competing interests: No potential competing interests to declare.

It is an effort to analyze contributions made to the current state of knowledge on the water-energy nexus. The topic is relevant in the field; it focuses on a wide theme in the field.

Care should be placed on references, which are misplaced in the body text and references section.

- Comments on some references:
  - 33: The author mentions the cost of electricity is 34 cents/kWh; is it in US dollars?
  - 34: The author mentions a classified consumption level; the classifications should include values or precisely defined classification intervals.
  - 36: How much does “a large amount” mean? It could be expressed by an energy unit, maybe MJ, kWh, etc.
  - 37: "Lower" is a comparative, and it is just the reference missed.
- 81: How much is “the largest amounts”? It could be presented by an energy unit. Also, “greatest carbon emissions” quantities should be included.
- 84: Costs should be expressed per energy unit.

The title of section III begins with "social aspects," but the description starts with climate change topics, which corresponds to the environmental area; the presentation order should be cared for.

Description of capital letters should be included: UWSs, DWTP.

In the IV section, "Policies," only a few cases are presented, and the ones that belong to a reduced section in America. I would expect, due to this being a Chinese contribution, a deeper analysis of policies in the region, or at least justification for the selection analyzed.

The conclusions could be improved; structured, wider arguments are recommended.