

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

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Potential competing interests: No potential competing interests to declare.

The research article provides a comprehensive overview of the water-energy nexus, emphasizing the intricate relationship between water and energy resources. It highlights the importance of understanding this nexus for sustainable development, particularly in the face of extreme weather conditions and climate change. The use of the English language is average throughout. However, the article should not be considered for publication because of the following reasons:

1. The authors exclusively employed text to convey their literature studies. Instead, they should have used the option to utilize tables for presenting critical remarks from diverse sources. The authors should consider the perspective of a general reader. The extensive text can be challenging to navigate, making it difficult for readers to grasp the underlying logic.
2. A comparison of various existing methods in a tabular format could have been considered.
3. The manuscript is poorly organized, and it could hinder readers' understanding of the complex concepts involved in the water-energy nexus.
4. Some sentences are lengthy and could be broken down for better readability.
5. The paper mentions the United States and global statistics on freshwater withdrawals and hydropower, which is excellent. However, providing more specific examples or case studies could add depth to the discussion and make it more relatable.