

# 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 "Water-Energy Nexus in Power Systems: A Review" provides a thorough examination of the intricate relationship between water and energy within power systems. The abstract sets the stage by acknowledging the global shift towards cleaner energy sources and the critical importance of understanding the interplay between water and energy for sustainable energy planning.

The article systematically investigates the current state of knowledge on the water-energy nexus, drawing from a diverse range of academic databases to synthesize relevant research. It effectively highlights the dual role of water in power generation and energy in water treatment and distribution, emphasizing the complex challenges and opportunities inherent in this symbiotic relationship.

One of the strengths of this exploration is its attention to the impacts of climate change on the water-energy nexus, recognizing the need for adaptive strategies in the face of evolving environmental conditions. Furthermore, the discussion on renewable energy solutions underscores the potential for innovation in addressing both water and energy sustainability goals.

The examination of policy and regulatory frameworks governing the water-energy nexus adds depth to the analysis, emphasizing the importance of integrated approaches in energy and water management. By identifying key areas for further research and emphasizing the urgency for innovative solutions, the article effectively conveys the need to prioritize sustainable management of water and energy resources.