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

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Potential competing interests: No potential competing interests to declare.

Comments

Accept after major revision.

The major comments to be addressed and incorporated in the manuscript are;

1. Give some instances of how ICTs have improved the relationship between water and energy.
2. What are the possible effects of climate change on the relationship between water and energy, and how may they be lessened?
3. How can water usage be minimized in CHP systems without sacrificing system performance?
4. What is the best way to reconcile greenhouse gas emissions reduction with the interconnectedness of the water and energy systems?
5. What are some possible adaptation tactics for creating resilient rural communities affected by problems related to the water-energy nexus?
6. In what ways may planned adaptation solutions to water shortage take into account the requirements of individuals with disabilities, migrants, and ethnic minorities?
7. What other types of optimization methods, besides linear programming (LP), mixed-integer linear programming (MILP), and nonlinear programming (NLP), may be utilized to examine the water-energy nexus? What are some ways that LCA may be used to assess the environmental impacts of various choices for the supply and demand of energy and water?
8. In what ways may the existing policies and incentives for the implementation of integrated, sustainable water and energy systems be enhanced?