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

Mostafa Goodarzi[1]

1 University of Central Florida

Potential competing interests: No potential competing interests to declare.

The Paper conducted an extensive review on the water-energy nexus, providing valuable insights. However, it appears that certain recently published papers within this domain were overlooked by the authors. I highly recommend the inclusion of the following papers in the optimization methods section of your review, as they contribute significantly to the subject matter.

1) Goodarzi, Mostafa, and Qifeng Li. "Evaluate the capacity of electricity-driven water facilities in small communities as virtual energy storage." *Applied Energy* 309 (2022): 118349.

2) Goodarzi, Mostafa, and Qifeng Li. "Security-Constrained Optimal Operation of Energy-Water Nexus based on a Fast Contingency Filtering Method." In *2022 IEEE Power & Energy Society General Meeting (PESGM)*, pp. 1-5. IEEE, 2022.

3) Goodarzi, Mostafa, and Qifeng Li. "Hybrid physics and data-driven contingency filtering for security operation of micro energy-water nexus." *CSEE Journal of Power and Energy Systems* (2023).

4) Li, Qifeng, Suhyoun Yu, Ameena S. Al-Sumaiti, and Konstantin Turitsyn. "Micro water–energy nexus: Optimal demand-side management and quasi-convex hull relaxation." *IEEE Transactions on Control of Network Systems* 6, no. 4 (2018): 1313-1322.