Special Issue

Community Solar and Grid Integration

Message from the Guest Editor

In this Issue, we are seeking research that will contribute to a better understanding and modeling of the valuation of grid services and emission reductions from the participation of battery storage integrated with community solar projects. Integrated battery storage with community solar offers a unique opportunity to not only enhance revenue streams, but to provide grid services that support the operation of the grid, such as ancillary services (regulation, spinning/non-spin, voltage support, black start), power quality, and reliability. We seek to address a lack of research into the added values of improved grid operations, emission reductions, and improved reliability. From an American perceptive, desired research includes those pertinent to RTO/ISO efforts to facilitate electric storage resource participation in wholesale markets (FERC Order 841). Finally, we encourage articles with a focus on projects located within disadvantaged communities.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2021)

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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