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Title: Analysis of the social benefits of new energy storage containers

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Building heating and cooling energy demands can be reduced through thermal energy storage. This Review details the economic, environmental and social aspects of the ...

In this paper, we present an empirical assessment of the locational societal benefits of energy storage in a real electricity system that has a significant presence of solar ...

However, new storage paradigms focusing on building clusters and district scale have illustrated the need to revise the role of ESSs and to pay close attention to the social ...

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The aim of this study, which represents the main novelty of this paper, is to perform a social impact assessment of an energy system with a novel seasonal TES developed for ...

Intersectionality in energy transitions analyzes how social identities such as race, class, and gender interact to create unique experiences of the impacts of storage expansion, ...

Explore the transformative power of energy storage and its far-reaching social implications on global communities, from sustainability to economic growth.

The project aimed to understand the existing and anticipated deployment rate, and the potential social and environmental impacts of each technology throughout their lifecycle.

This thesis assesses how different storage technologies affect stakeholder groups, what are the social impacts,

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and offers ways to improve energy storage deployment's social sustainability.

The evolving social and policy climate have placed new explicit requirements to integrate energy equity and justice strategies in modern electric grid design to achieve a fair and just ...

For the representative load profiles considered, the investment cost of the system outweighs the financial benefits that result. This result holds true for all household sizes, heating type, rate ...

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