

Title: Environmental assessment of new energy storage projects

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Among the three flow battery chemistries, production of the vanadium-redox flow battery exhibited the highest impacts on six of the eight environmental indicators, various potential human health hazards, ...

Because the Project would result in limited impacts on the surrounding community and ultimately facilitate the use of renewable energy in New York City, with subsequent reductions in GHG ...

Explore a detailed environmental impact assessment for energy storage systems in electric power generation, tailored for engineers.

Develop, verify and assess a new cradle-to-grave LCA methodology tailored for environmental impact assessment of stationary energy storage systems (SESS) based on lithium-ion batteries (LIB) ...

In summary, this study provided a comparative life cycle assessment of nine energy storage configurations and two fossil-based peaking systems across sixteen environmental impact categories ...

ress hydrogen for delivery and storage in the storage caverns. The process to produce the hydrogen is based on the use of renewable energy and standard electrolysis technology

The examination of environmental assessment methodologies for energy storage reveals a multifaceted landscape of approaches aimed at understanding and mitigating potential ecological ...

o This project's results will improve the communities understanding of the environmental impacts and sustainability of new PSH projects and how PSH compared to other storage technologies.

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