

A-Core Container

Performance of energy storage power generation



Overview

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Energy storage is one of the hot points of research in electrical power engineering as it is essential in power systems. It can improve power system stability, shorten energy generation environmental influence, enhance system efficiency, and also raise renewable energy source penetrations.

DOE's Energy Storage Grand Challenge supports detailed cost and performance analysis for a variety of energy storage technologies to accelerate their development and deployment.

This report was prepared by DNV in the course of performing work contracted for and sponsored by the New York State Energy Research and Development Authority (hereafter "NYSERDA").

In this multiyear study, analysts leveraged NREL energy storage projects, data, and tools to explore the role and impact of relevant and emerging energy storage technologies in the U.S. power sector across a range of potential future cost and performance scenarios through the year 2050.

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