

# Supporting energy storage operation plan

Why is energy storage important?

Energy storage is essential to a clean and modern electricity grid and is positioned to enable the ambitious goals for renewable energy and power system resilience. The EPRI Energy Storage Roadmap vision was initially published in 2020, and significant detail has been added in this 2022 update.

Does the energy storage strategic plan address new policy actions?

This SRM does not address new policy actions, nor does it specify budgets and resources for future activities. This Energy Storage SRM responds to the Energy Storage Strategic Plan periodic update requirement of the Better Energy Storage Technology (BEST) section of the Energy Policy Act of 2020 (42 U.S.C. § 17232 (b) (5)).

How do Utilities manage energy storage assets?

Asset management strategies: Utility energy storage assets need comprehensive, fleetwide management practices based on core battery technology, inverter manufacturer, controls systems, and how they integrate with other grid assets.

Can energy storage technology be used in power systems?

With the advancement of new energy storage technologies, e.g. chemical batteries and flywheels, in recent years, they have been applied in power systems and their total installed capacity is increasing very fast. The large-scale development of REG and the application of new ESSs in power system are the two backgrounds of this book.

What is a multi-use energy storage plan?

This method is designed to prioritize the primary and secondary energy storage services for a project. It also assists in determining what available energy storage technology types and products can provide the identified multiple services. This is a planning decision approach to screen for multi-use applications.

What's new in the 2022 energy storage roadmap?

and significant detail has been added in this 2022 update. This document describes in detail the research activities underway to address gaps to meet to the 2025 vision. The Energy Storage Roadmap is organized around broader goals for the electricity system: Safety, Reliability, Affordability, Environmental Responsibility, and Innovation.

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