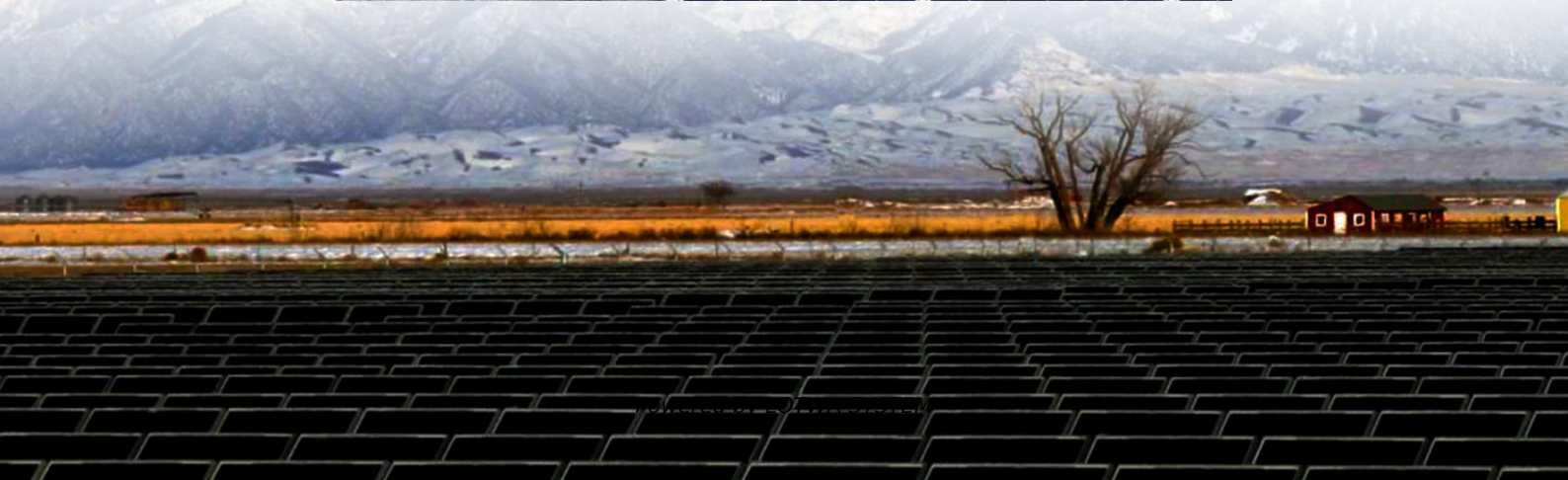


BESS Cooperation Plan for Outdoor Communication Power Supply





Overview

What is Bess & how does it work?

- BESS can also be used to restart the system when there is no external power supply, i.e., when there is a total system outage. BESS can also be used to defer or replace the need for investment in network infrastructure, for example if load growth means that more capacity is required on a line.

What are the benefits of a Bess project?

For example, the benefit of a BESS project providing system services such as frequency response might be reduced suddenly if a new gas-fired power station is commissioned that is able to provide the same services, displacing the need for the BESS.

Does a Bess project provide a security of supply?

The BESS project will have a finite duration, so may not provide the same level of security of supply. In some cases, the need for other dispatchable capacity may not be reduced, although the utilization of some capacity may be reduced.

What types of PPP projects can be implemented using BESS?

When analyzing the options for implementation of PPP projects using BESS, three 'types' of project can be identified: Bulk energy shifting, which includes the provision of peak power and arbitrage opportunities. Network and system services, which includes both grid infrastructure services and ancillary services.



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