

Western australia energy storage

Why is energy storage important?

Energy storage will be vital to meeting these challenges. By storing renewable energy, such as an excess of solar power generated during the day, energy can be fed back into the grid to meet demand for electricity at other times- particularly during the evening peak after the sun sets.

Which energy storage options are a good option for the future?

Pumped Hydro Energy Storage (PHES), Compressed Air Energy Storage System (CAES), and green hydrogen (via fuel cells, and fast response hydrogen-fueled gas peaking turbines) will be options for medium to long-term storage. Batteries and SCs are assessed as a prudent option for the immediate net zero targets for 2030-2050.

Which energy storage solution is best for the transition period?

Fast response hybrid battery-supercapacitor energy storage are deemed prudent solution for the transition period, while PHES and Hydrogen are for long-term storage

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