

Wellington Compressed Air Energy Storage Power Generation Prices





Overview

How much does compressed air energy storage cost?

Our base case for Compressed Air Energy Storage costs require a 26c/kWh storage spread to generate a 10% IRR at a \$1,350/kW CAES facility, with 63% round-trip efficiency, charging and discharging 365 days per year.

What is compressed air energy storage (CAES)?

As the world transitions to decarbonized energy systems, emerging long-duration energy storage technologies are crucial for supporting the large-scale deployment of renewable energy sources. Compressed air energy storage (CAES) is a promising solution for large-scale, long-duration energy storage with competitive economics.

Where can a compressed air energy storage facility be built?

Compressed Air Energy Storage (CAES) facilities can be built in locations that have suitable geological formations for storing compressed air. Ideal sites typically include underground caverns, such as salt domes, depleted natural gas fields, or aquifers, which can effectively contain the high-pressure air.



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