

Management measures for compressed air energy storage in abandoned mines

In order to improve resource utilization and upgrading of transformation, a hybrid compressed air energy storage (CAES) system combining wind power and solar energy is ...

Research status and development trend of compressed air energy storage in abandoned coal mines ZHAO Tongbin¹, LIU Shumin¹, MA Hongling^{2,3}, MEI Dongsheng⁴, WEI Zhenxin¹, MEI ...

In this paper, analytical and three-dimensional CFD numerical models have been conducted to analyze the thermodynamic performance of the A-CAES reservoirs in abandoned mines during air charging and discharging ...

Examples of natural gas storage in abandoned coal mines are given and compared with the compressed air storage. The study shows an example of coal mine volume calculation.

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