

Natural gas infrastructure, including production, transmission, import and storage facilities, is critical to secure natural gas supply, whilst insufficient infrastructure construction in ...

With the promotion of air pollution prevention and control actions and carbon emission reduction, natural gas occupies an increasingly important position in China's energy ...

Chinese and Turkish staff members communicate at the site of the Tuz Lake underground natural gas storage expansion project in Aksaray province, Türkiye, Feb. 12, ...

The results show that adding the SRM to DES as a hybrid-hydrogen energy storage system can improve the configuration flexibility, environmental performance and ...

This study extends the application of principal-agent theory in the gas storage sector and provides practical guidance for China and other transitioning economies in ...

Natural gas is expected to play a much more important role in China's energy supply, however, the lack of underground gas storage facilities becomes a serious barrier for ...

To fill this gap, we sort out and summarize the recent related research results, analyze the development prospect of China's natural gas industry, explore the key points of the ...

As an important component of the construction of the natural gas production, supply, storage, and sales system, the construction of underground gas storage depots is of ...

The world is entering an era of natural gas. With abundant natural gas resources, a new pattern staked by the four pillars of oil, gas, coal and new energy [1] has been formed in ...

Foreword Stepping up efforts to develop new energy storage technologies is critical in driving renewable energy adoption, achieving China's 30/60 carbon goals, and establishing a new ...

With the progress of energy supply-side reform in China, the status of natural gas in China's energy mix rises continuously, and the supply, sales, storage, and transport ...

China's natural gas storage is nearing capacity as the country prepares to import record volumes of natural gas. Learn how rising domestic production and increased ...

China's National Energy Administration (NEA) has released the China New Energy Storage Development

Report 2025, marking the first official and comprehensive ...

It is noticeable that seasons impact China's natural gas consumption, so the moving average method is applied to calculate the seasonal index. Based on this, China's ...

In the future plans, salt caverns will play a crucial role throughout the entire carbon cycle by facilitating carbon storage, compressed air storage, and hydrogen storage. ...

Fracture identification and characteristics of carbonate underground gas storage: an example from the eastern area of Sulige gas field, ordos Basin, China Jun Xie 1, Xiaofan Hao 1, Yuanpei ...

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