

Ulaanbaatar increased renewable energy penetration



Overview

In 2024, 69 households in Ulaanbaatar and Erdenet adopted solar PV-powered heating systems, providing a sustainable alternative to coal. Ulaanbaatar, 28 January 2025 - UNDP Mongolia hosted a roundtable discussion under the theme “Just Energy Transition in Mongolia: Progress and Way Forward” to share key lessons from its renewable energy pilot projects and explore strategies to scale up clean energy solutions. The event, held in. Mongolia is planning widespread energy reform with the aim of diversifying its energy sources, improving energy infrastructure and reducing air pollution. The plan was ambitious: to generate 30% of the.

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MONGOLIAN ENERGY FUTURES: REPOWERING ULAANBAATAR

Even with ambitious and concrete renewable energy targets, the government has been slow to add renewable energy capacity and continues to rely on coal for nearly 93% of heat and electricity ...

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"A New Dawn for the World's Most Polluted City: How Renewable ...

The story of Ulaanbaatar's transformation began in 2018, when the Mongolian government launched a bold initiative to shift from coal to renewable energy. The plan was ...



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Mongolia looks to third neighbours for energy reform

To Ulaanbaatar, increasing third neighbour participation is paramount to the pursuit of greater diversification of energy sources. Aligning foreign investment towards the energy sector, ...

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Pathways for Mongolia's Just Energy

Transition , Joint SDG Fund

In 2024, 69 households in Ulaanbaatar and Erdenet adopted solar PV-powered heating systems, providing a sustainable alternative to coal. This initiative improved air quality, supported ...

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How Transitioning from Coal to Renewable Energy Transformed ...

With safer, cleaner, and warmer home environments, they have gained more time for themselves, their families, and their businesses, leading to increased income and productivity.

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(PDF) Energy Demand Modeling for the Transition of a Coal ...

In this study, the future final energy demand of a coal-dependent city is identified and analyzed to make it a low-carbon city. Long-term energy demand projections for Ulaanbaatar to 2050 ...

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Energy Demand Modeling for the Transition of a Coal-Dependent

The results show that the high penetration of electricity and renewable energy, energy efficiency measures, and energy intensity reduction in all sectors



can significantly reduce the future ...

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Stakeholders' perceptions of sustainable energy transition of

Cities could play a key role in reducing greenhouse gas emissions and leading the transition to renewable energy in all end-use sectors. Ulaanbaatar is the coldest capital city, and its ...

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UNDP Explores Progress and Pathways for Mongolia's Just Energy

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MONGOLIAN ENERGY FUTURES: REPOWERING ...

In its Intended Nationally Determined Contribution (INDC) goals for the 2015 Paris Climate Accord, Mongolia pledged

to deploy 20% renewable energy sources
by 2020, and 30% renewable energy ...

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