

Our world is changing. The transition from fossil fuels to more sustainable, cleaner energy is under way. This energy transition relies on new technology. The critical minerals essential for ...

For clarity and consistency, this issue brief will use the Energy Act definition of critical minerals, which encompasses both minerals and materials. Critical Minerals and Clean Energy ...

These investments present significant opportunities for independent power producers (IPPs) and renewable energy developers, fostering a more dynamic and competitive energy landscape. ...

Critical minerals like lithium are essential to our shift to a renewable power system, but just like all mining, the extraction of these resources comes with environmental impacts. There is a large ...

Critical minerals: The bill boosts funding for critical mineral extraction; however, it reduces incentives for demand and processing. This could bolster China's dominance in the midstream ...

China is a key player in the mining, processing, and refining of these minerals, as well as the production of solar panels, wind turbines, and electric car batteries. As a result, its businesses are critical to maintaining equity and ...

News, blogs and events Transition minerals The shift from fossil fuels to renewable energy will lead to increased demand for critical minerals such as cobalt, copper, lithium, nickel and vanadium. Heightened demand has the ...

From electric vehicles to renewable power sources, critical minerals are key to several clean energy technologies: Batteries: Lithium, nickel, cobalt, manganese, and graphite are essential ...

Why This Matters Important technologies, including electric vehicle batteries, smartphones, and solar panels, require "critical" minerals such as magnesium and lithium. But the U.S. obtains ...

The global shift toward renewable energy has highlighted a critical concern: the potential for human rights violations associated with the mining and processing of minerals required for green technologies. This article ...

Although the rare earth deposit in Purulia is relatively small, the development is significant as India looks to reduce dependence on imports of critical minerals essential for electric vehicles ...

As India eyes Net Zero by 2070 and Viksit Bharat by 2047, its strategic engagement with CIS nations unlocks



# Minerals for renewable energy

access to critical minerals essential for clean energy, defence modernisation, and ...

Renewable energy, usable energy derived from replenishable sources such as the Sun (solar energy), wind (wind power), rivers (hydroelectric power), hot springs (geothermal energy), tides (tidal power), and biomass ...

UN Secretary-General António Guterres is calling for coordinated global action to close energy investment gaps, reform climate finance, and ensure developing countries, especially those in Africa, rich in solar potential but short on ...

On July 4, 2025, President Trump signed H.R. 1--dubbed the One Big Beautiful Bill Act (OBBBA)--enacting significant modifications to clean-energy credits previously enacted under ...

The budget bill the U.S. Senate passed on Tuesday and the House of Representatives is now debating for final approval would dampen development of wind and solar power, kill climate ...

Minerals like copper, lithium, cobalt, nickel and rare earth elements play an indispensable role in manufacturing electric vehicles (EVs), renewable energy systems and advanced electronics. ...

House appropriators voted along party lines Monday to advance a fiscal 2026 energy and water spending bill backing nuclear and minerals while slashing funding for renewable energy. Why ...

make critical mineral supply chains recyclable and more secure Why this matters This matters because: critical minerals are raw materials essential for modern technologies, including ...

Critical Minerals: Reducing Foreign Reliance H.R. 1 emphasizes the extraction of critical minerals--essential for advanced manufacturing, energy storage, and clean energy technologies like batteries and semiconductors.



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