

Opinion Why net zero targets are impoverishing our nation If we stick with Net Zero, our economy will weaken. Our living standards will suffer. The electricity price advantage we once enjoyed will ...

In the first half of 2025, China's utilities achieved record-low emissions for electricity production, averaging 492 grams of CO<sub>2</sub> per kWh. This decline from 514g/kWh in 2024 was driven by a ...

The Low Carbon and Renewable Energy Economy (LCREE) Survey is the primary source of official information on LCREE activity in the UK. The survey was designed and developed in consultation with stakeholders from ...

It has encouraged local governments, industries, and enterprises to explore low-carbon paths to development based on their individual conditions, and launched pilots and demonstrations on green and low-carbon ...

Learn how emissions reductions, advancements in fuels and fuel economy, and working with industry to find solutions to air pollution problems benefit human and environmental health, create consumer savings and are ...

The paper concludes with policy recommendations for Latin American governments to facilitate the integration of nuclear energy into their energy strategies, ensuring that it complements the ...

Green electricity trading, green certificate trading and carbon trading are three market-based policy instruments that promote the low-carbon transformation of the energy economy, playing a crucial role in addressing ...

Zurich's investment in NG Group is aimed at facilitating innovative business models that enable the repurposing, reutilization, and repair of materials already in circulation for a transition to the low carbon economy. 1 Global ...

The Virginia Clean Economy Act (VCEA), with its demand to eliminate hydrocarbon fuels for electricity in Virginia, will soon take a deeper bite out of bank accounts for many Virginia families and businesses. As of ...

This study focused on investigating the performance of a spark ignition (SI) engine using ethanol-petrol blended fuels, with an emphasis on utilizing Artificial Neural Networks (ANN) for ...

As the world's largest emitter of carbon dioxide, China has embraced sustainable development as a core principle of its national development policy (Pan, Opgenhaffen, and Van Gorp 2021), ...



## 70 kWh low-carbon economy

Specifically, the carbon intensity of electricity fell to just 124gCO<sub>2</sub>/kWh in 2024. This is 70% lower than it was in 2014 when each unit of electricity was associated with 419gCO<sub>2</sub>/kWh. Carbon intensity of UK ...

Transitioning to a decarbonised energy system by around 2050 is expected to save the world at least \$12 trillion, compared to continuing our current levels of fossil fuel use, according to a peer-reviewed study by Oxford ...

The low-carbon economy optimization scheduling objective function is formulated, including two components: maximizing the energy self-sufficiency rate of integrated electricity-hydrogen ...

Where Victoria's emissions come from More than 90% of Victoria's net greenhouse gas emissions \* comes from burning fossil fuels to make energy. This energy is used for electricity, transport and fuel combustion. Electricity is ...

Prefabricated construction is a key strategy for achieving a low-carbon transformation in the construction sector. In the context of national policies and standards aimed at promoting an ...



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