

## NEWSLETTER

### ENERGY & ENVIRONMENT

24 – 30 November 2025



#### **Global energy think tank praises China's world-leading role in clean energy, technology**

China continues to lead the world in renewable energy generation and clean technology deployment, according to a global energy think tank. The country met all its electricity demand growth in the first half of 2025 with clean energy, while reducing fossil fuel use. China accounted for 55% of the global rise in solar generation and 82% of the growth in wind power. This rapid expansion is reshaping the global power mix. **(Xinhua)**

#### **China pilots sustainable fuel certification system for green transport**

China has launched a pilot for a sustainable transport fuel certification system to support its green transition. The system aligns with international standards and aims to reduce emissions in sectors like shipping. Initial certified projects include a green ammonia facility in Jilin and a green methanol plant in Inner Mongolia. This initiative leverages China's industrial capacity to lower costs. **(Xinhua)**

#### **Beijing's PM (Particulate Matter) 2.5 density drops by 15 percent in first three quarters**

Beijing's air quality continues to improve, with its average PM2.5 density falling 15% year-on-year in the first three quarters of 2025. The city recorded 226 days of good air quality, 18 days more than the same period last year. This progress is part of a longer-term trend, as the annual average PM2.5 concentration in 2024 had already decreased by 19.7% compared to 2020. **(Xinhua)**

#### **Scientists propose new model to sustain global carbon cycle simulation**

An international research team has proposed a new, simple model to precisely assess the gross primary productivity (GPP) of terrestrial ecosystems. Named the ecosystem light-use efficiency (eLUE) model, it offers higher accuracy and stability than conventional methods. This model provides a more efficient and reliable tool for global carbon cycle simulation and carbon budget accounting. **(Xinhua)**

#### **Company's initiatives highlight Xinjiang's shift to low-carbon gas transportation**

PipeChina West Pipeline Company has significantly advanced Xinjiang's low-carbon transition. Since 2021, it has transported natural gas equivalent to replacing 532 million tons of coal, cutting CO2 emissions by 585 million tons. The company has also reduced its own operational emissions and energy consumption. These initiatives highlight the region's strategic shift toward sustainable energy. **(China Daily)**