

How much damage has Ukraine done to the energy sector?

As of February 2023, the Government of Ukraine, the World Bank, the European Union (EU), and the United Nations estimated damage to the energy sector to be above 10 billion U.S. dollars (without accounting for Russia's destruction of the Kakhovka Hydroelectric Power Plant).

Which energy projects are being implemented in Ukraine?

Solar and wind energy projects are prominently featured, with substantial investments and commitments to scale up their implementation in Ukraine.

How much energy does Ukraine need in 2022?

The decline in energy availability is stark: Before Russia's full-scale invasion on 24 February 2022, Ukraine produced 44.1 gigawatts hours (GWh) of electricity, mainly with nuclear, thermal, and hydroelectric plants (UNHR, 2024). Winter electricity needs stood at 26 GWh.

Why is it important to make Ukraine's energy system green and decentralized?

The current challenging and violent times, coupled with the damage and destruction, necessitate Ukraine's transformation, making it critical to rebuild the energy system. This highlights the importance of making the energy system green and decentralized to strengthen the country's resilience.

How much electricity does Ukraine need in the winter?

Winter electricity needs stood at 26 GWh. By the winter of 2023-2024, production had plummeted by over 50% to 17.8 GWh, while peak consumption dropped by almost 30% to 18.5 GWh (UNHR, 2024). To mitigate the impact, Ukraine has received emergency from Poland, Romania and Slovakia (Polityuk, 2024).

Is climate neutrality a pillar of Ukraine's recovery?

The Ukrainian Government has clearly declared the foundational principles of climate neutrality and green transition as essential pillars toward Ukraine's recovery.



Container energy storage cost breakdown in Ukraine 2025



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