

How has Russia impacted Ukraine's energy system?

Ukraine's energy system has been targeted since Russia launched its full-scale invasion of the country in February 2022. These attacks on key infrastructure have recently increased and intensified, posing a huge threat to reliable access to power, heating and communications services across Ukraine this winter.

How important is energy security in Ukraine?

These attacks on key infrastructure have recently increased and intensified, posing a huge threat to reliable access to power, heating and communications services across Ukraine this winter. This special report lays out 10 key energy actions to reinforce the country's energy security - essential to its security overall - at this critical juncture.

What is Ukraine's energy security & the coming winter?

This special report from the IEA, Ukraine's Energy Security and the Coming Winter, provides an energy action plan for Ukraine and its partners to help the country meet its energy needs through the challenging months ahead. Ukraine's energy system has been targeted since Russia launched its full-scale invasion of the country in February 2022.

What happened to Ukraine's heat supply during 2022-23 & 2023-24 winters?

Ukraine was spared catastrophic losses to its heat supply during the 2022-23 and 2023-24 winters, when attacks were more limited and the winters relatively mild. With the escalation of attacks against Ukraine's energy infrastructure in 2024, the risks are significantly higher this winter.

Did Russia attack Ukraine's energy infrastructure?

Russia has launched a huge attack on Ukraine's energy infrastructure, which authorities said was the 12th large-scale attack on energy facilities this year. Ninety-three missiles and more than 200 drones were used - but 81 of the missiles were shot down, according to Ukrainian President Volodymyr Zelensky.

How can Ukraine prevent a Russian energy crisis?

The Ukrainian energy network has been so battered by Russian attacks that officials are seeking out new options to prevent a crisis, like renting floating power plants and scavenging scrapped ones from the region.

Ukraine's electricity system faces severe challenges from persistent Russian attacks, which Moscow has significantly intensified in 2024. More than 100 cruise and ballistic missiles and at least as many Shahed kamikaze drones have struck thermal power plants, hydroelectric plants, and high-voltage substations. As Ukraine prepares for the

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This report describes the urgent challenges facing Ukraine's energy sector and outlines tangible actions that can be taken by Ukraine and its partners to address its immediate energy security vulnerabilities ahead of the winter, while bolstering long-term resilience.

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With the confidence of international investors and partners behind us, Ukraine can become a green energy hub for Europe as President Zelensky has suggested. In a world where renewable energy capacity grew by 50% globally last year, Ukraine has the space, skills, permitting regime and weather conditions to produce almost 19,000 TWh of solar and ...

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