

Energy independence romania

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Bulmez, A.-M.; Brezeanu, A.-I.; Dragomir, G.; Talab?, O.-M.; N?stase, G. An Analysis of Romania's Energy Strategy: Perspectives and Developments since 2020. *Climate* 2024, 12, 101. <https://doi/10.3390/cli12070101>

Bulmez A-M, Brezeanu A-I, Dragomir G, Talab? O-M, N?stase G. An Analysis of Romania's Energy Strategy: Perspectives and Developments since 2020. *Climate*. 2024; 12(7):101. <https://doi/10.3390/cli12070101>

Bulmez, Alexandru-Mihai, Alin-Ionu? Brezeanu, George Dragomir, Ovidiu-Mircea Talab?, and Gabriel N?stase. 2024. "An Analysis of Romania's Energy Strategy: Perspectives and Developments since 2020" *Climate* 12, no. 7: 101. <https://doi/10.3390/cli12070101>

Bulmez, A. -M., Brezeanu, A. -I., Dragomir, G., Talab?, O. -M., & N?stase, G. (2024). An Analysis of Romania's Energy Strategy: Perspectives and Developments since 2020. *Climate*, 12(7), 101. <https://doi/10.3390/cli12070101>

As winter 2024-2025 approaches, Romania faces critical questions about its energy readiness. The EU's REPowerEU strategy, aiming to phase out Russian gas by 2027, intensifies the pressure to balance immediate needs with long-term sustainability. How well is Romania positioned to navigate the dual

challenge of rising demand and a rapidly evolving energy landscape?

Romania faces significant risks from geopolitical tensions, global supply chain disruptions, and extreme weather events. Diversifying energy sources and upgrading infrastructure are central to Romania's strategy for reducing its reliance on external suppliers. Increasing domestic production and storage capacity forms the core of this effort.

While Romania is investing heavily in domestic production -- especially in natural gas and renewables -- current levels are insufficient to fully meet national demand. The Neptune Deep gas field is expected to add up to 100 bcm of gas, increasing energy independence and positioning Romania as the largest gas producer in the EU. Import dependency of natural gas is amongst the lowest in Europe: in 2022, only 18.1% of natural gas consumed in Romania was imported, thanks to abundant domestic production.

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