

# The outlook for natural gas in the European Union

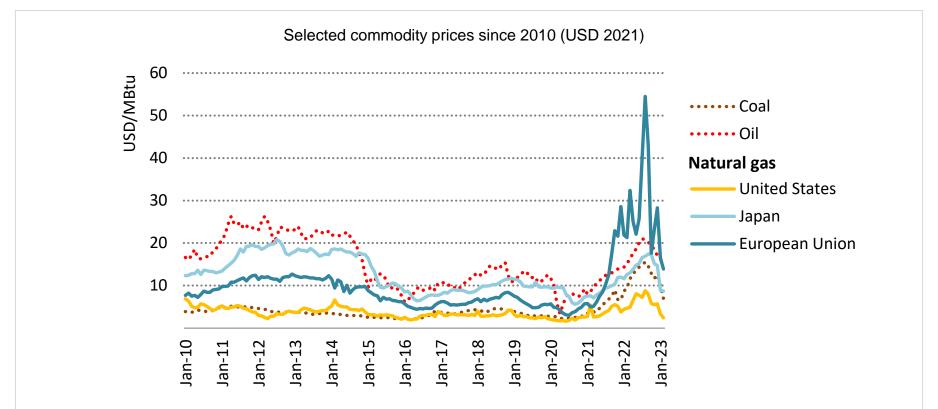
Center for the Study of Democracy: Policy Roundtable

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Peter Zeniewski, Lead Gas Analyst – World Energy Outlook

# Russia's invasion of Ukraine sparked a global energy crisis

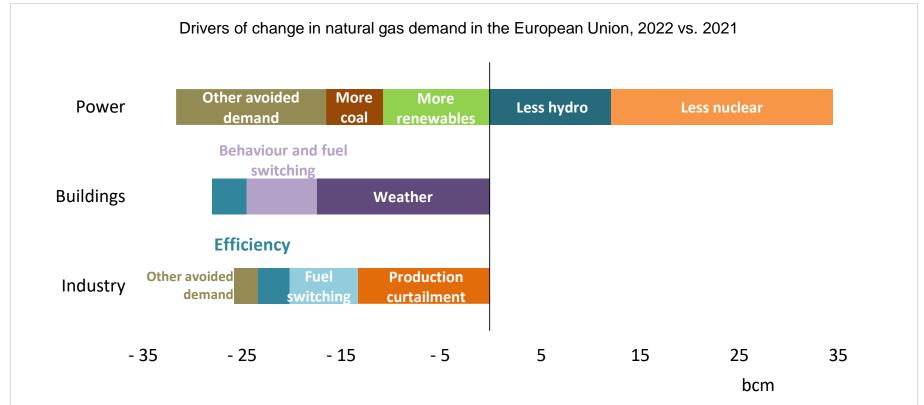




The global energy crisis triggered by Russia's invasion of Ukraine is causing profound and long-lasting changes. The biggest tremors have been felt in the markets for natural gas, coal and electricity – with Europe at the epicentre

### How did EU gas demand adjust to the supply and price shock?

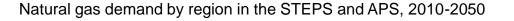


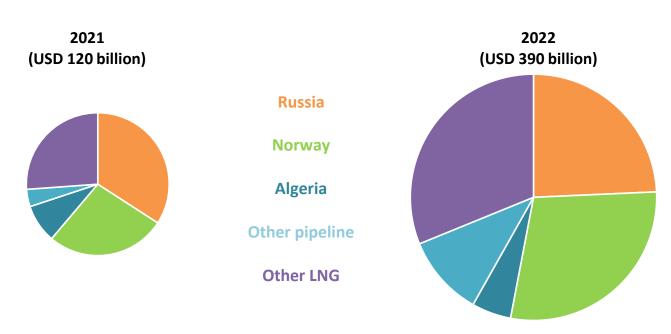


Temporary effects such as weather or fuel switching played a role, but new renewables and efficiency ensured longlasting reductions in gas demand. It remains unclear if behavioural changes or industrial adaptation will endure

## The EU paid a record amount for gas imports in 2022





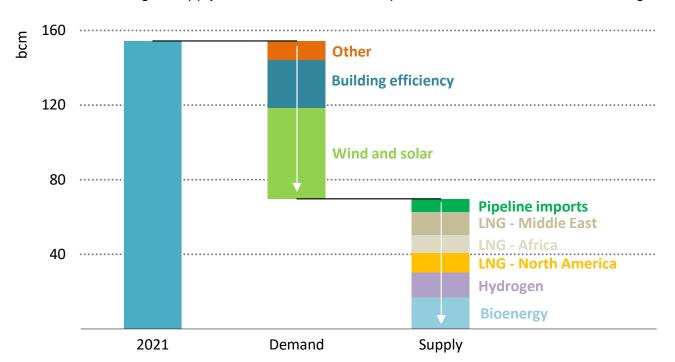


Russia's share of total EU natural gas demand fell from 40% in 2021 to below 10% by the end of 2022, but the sharp increase in prices nonetheless ensured significant income for Russia over the course of 2022.

# Implementing the EU's Fit for 55 and RePowerEU targets



Drivers of reduced natural gas supply from Russia to the European Union in the Announced Pledges Scenario

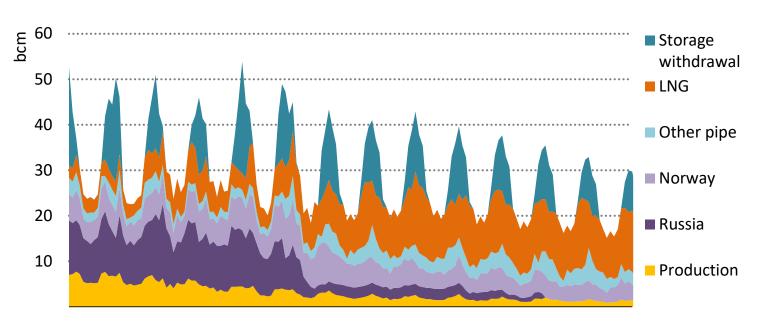


A mix of supply- and demand-side measures are required for the European Union to reduce reliance on Russian gas to zero before 2030

### The EU becomes less of a balancing force in global gas markets



European Union monthly natural gas supply balance in the Announced Pledges Scenario

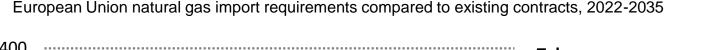


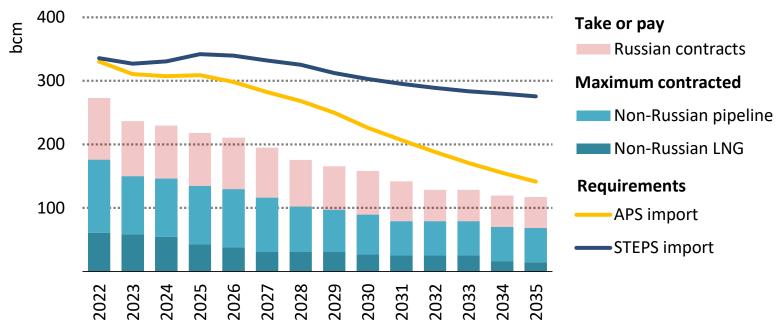
2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

Russian gas is gradually phased out in favour of LNG. The seasonality of EU gas demand falls, but gas storage remains a crucial asset for security of supply

# European buyers face significant uncertainty around future demand







European gas buyers face contracting dilemmas as the EU seeks to implement ambitious targets to reduce natural gas demand over the next several years

