

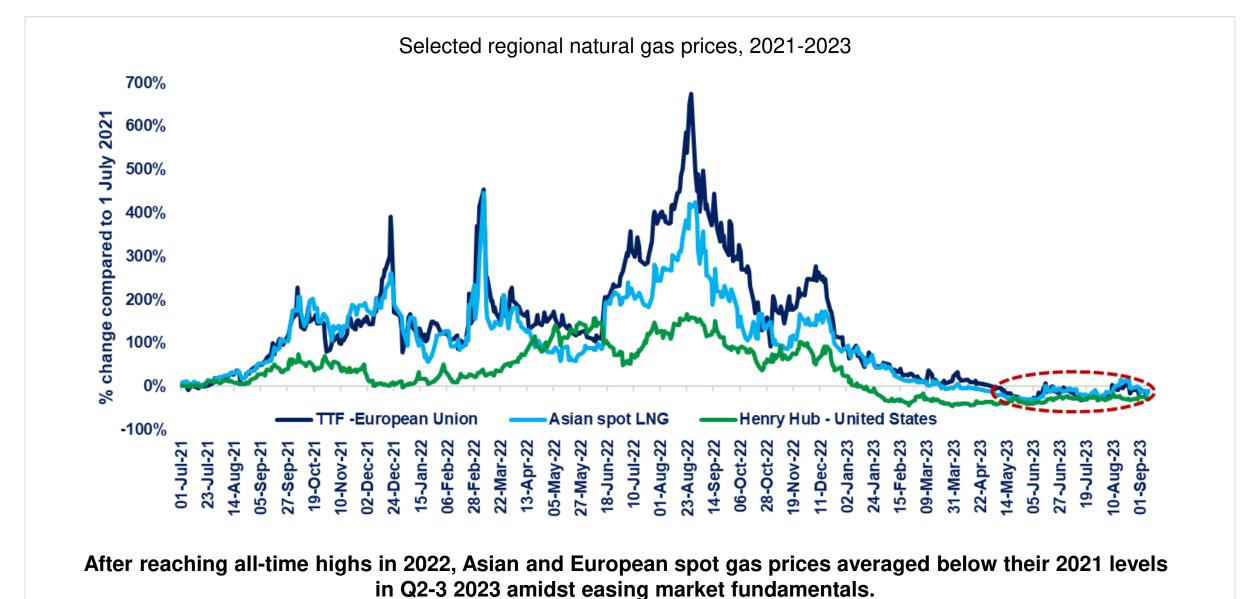
Gas markets today and tomorrow

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Congrès France gaz 19 September 2023

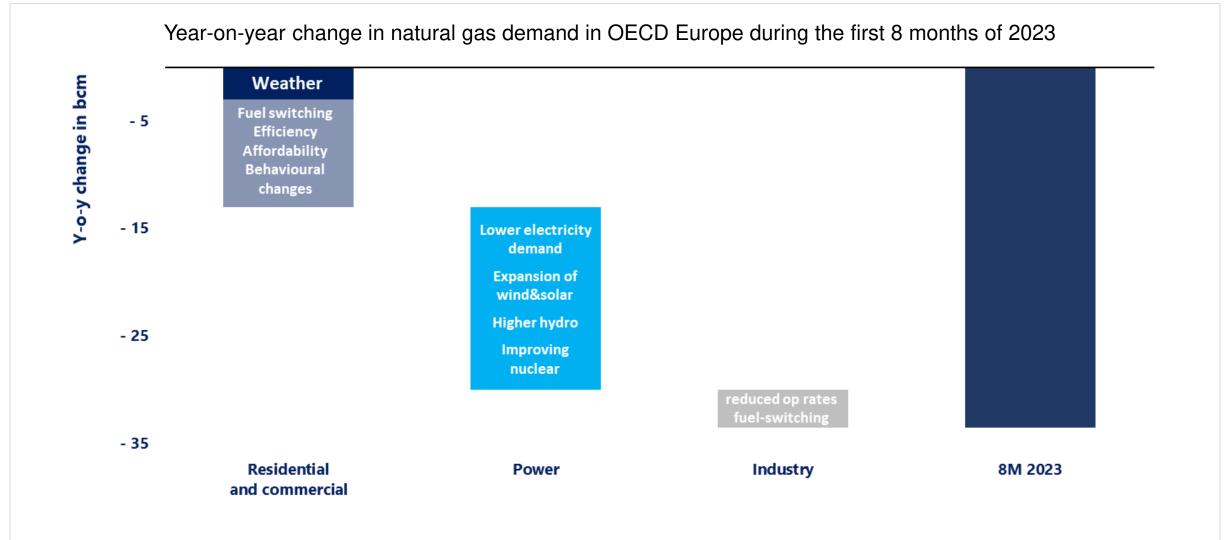
Market tensions have moderated significantly since the 2022 highs





Lower demand has been key to easing market balances

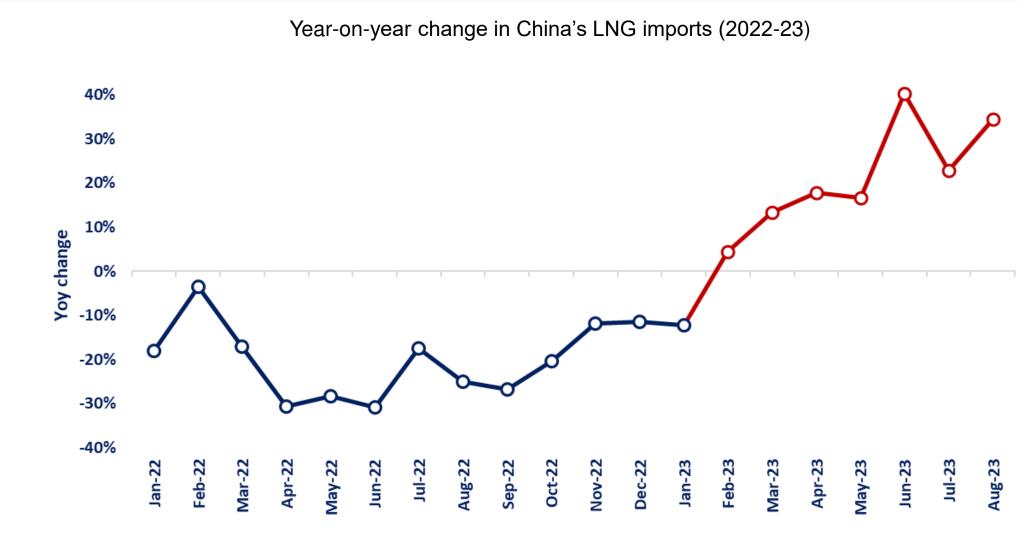




Natural gas consumption in OECD Europe fell by around 8% (or 33 bcm) y-o-y in the first eight months of 2023, with the power sector driving demand reductions

China gradually recovering its appetite for LNG

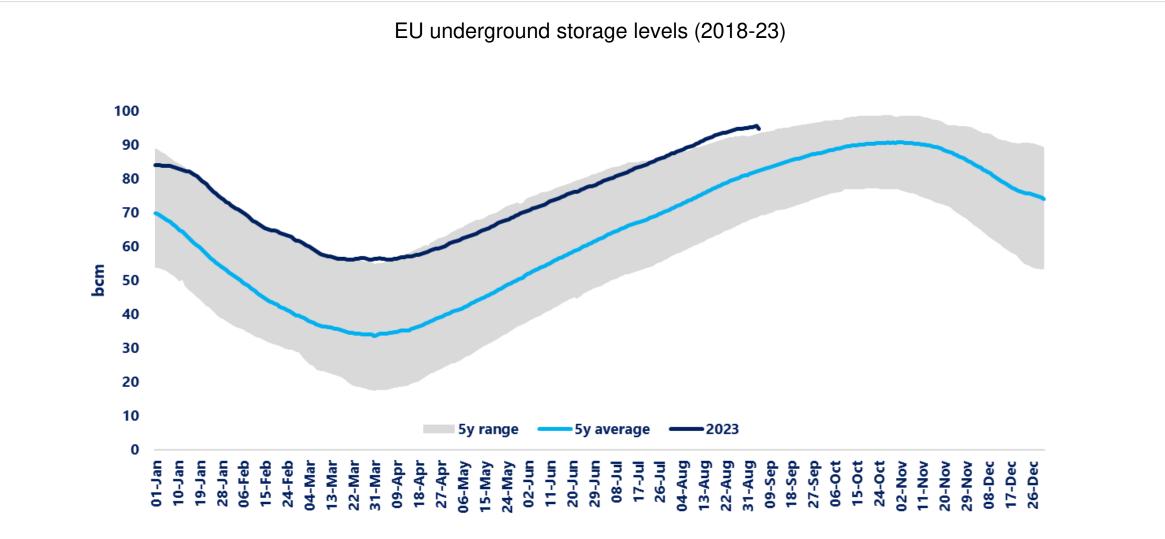




China's LNG imports returned to double-digit growth, supported by a recovery in demand. Nevertheless, China's LNG imports are expected to remain below their 2021 levels in 2023.

In the EU storage sites reached 90% fill levels by mid-August

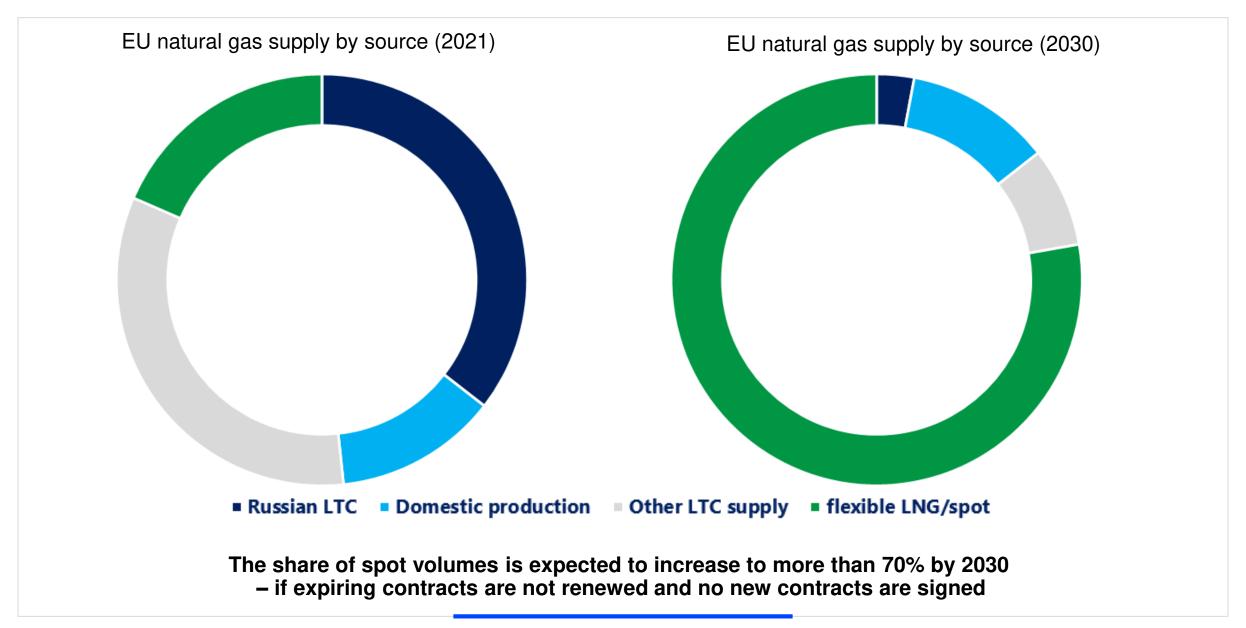




Lower demand together with healthy LNG inflows allowed the EU to fill 90% of working capacity by mid-August... but full storage sites do not rule out winter volatility and the risk of renewed market tensions.

The EU's exposure to the spot market is set to increase

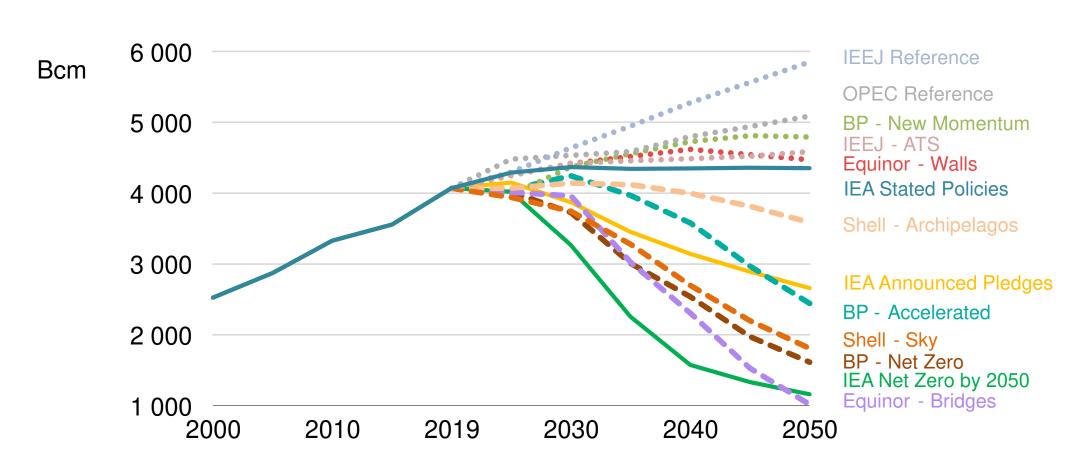




There is considerable uncertainty around future gas demand



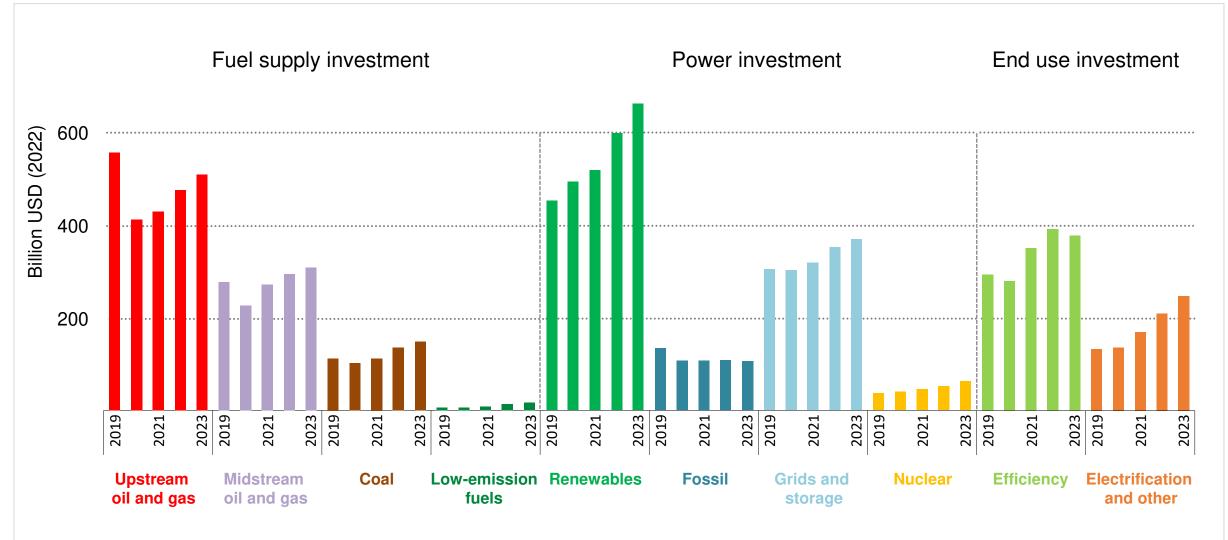
Natural gas demand in the World Energy Outlook 2022 compared with other scenario assessments



There is considerable variation in modelled outcomes for natural gas demand, depending largely on assumptions about the role and durability of natural gas as a transition fuel and the strength of climate ambition.

Clean energy investment is picking up quickly

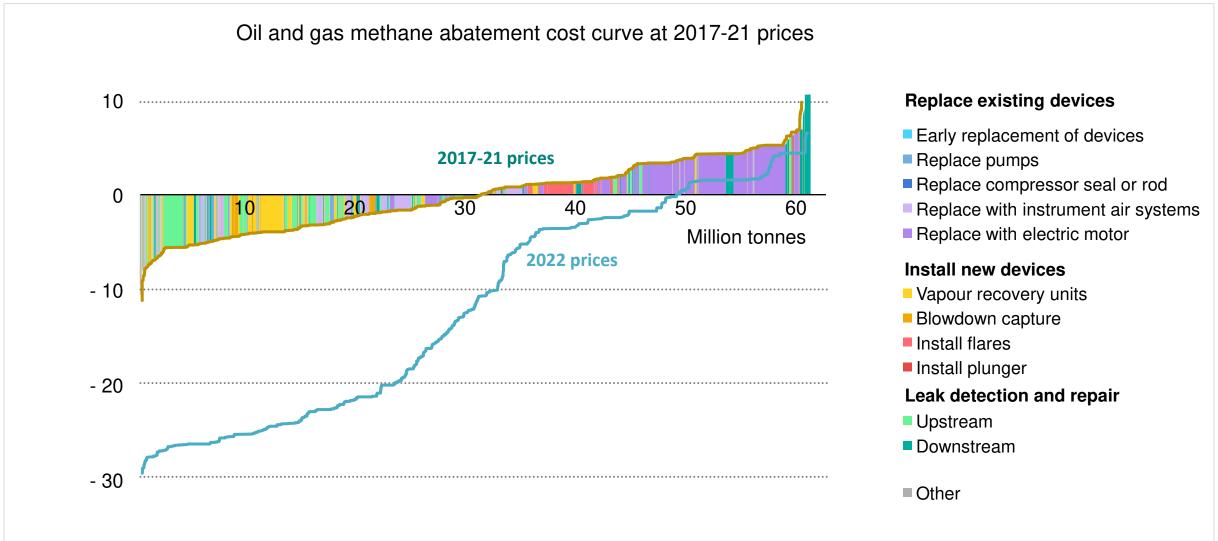




Renewables, led by solar, and EVs are leading the growth in clean energy spending Only investments in upstream oil and gas and fossil fuel-fired power generation remain below pre-pandemic levels.

Cutting methane is one of the cheapest ways to limit near-term global warming



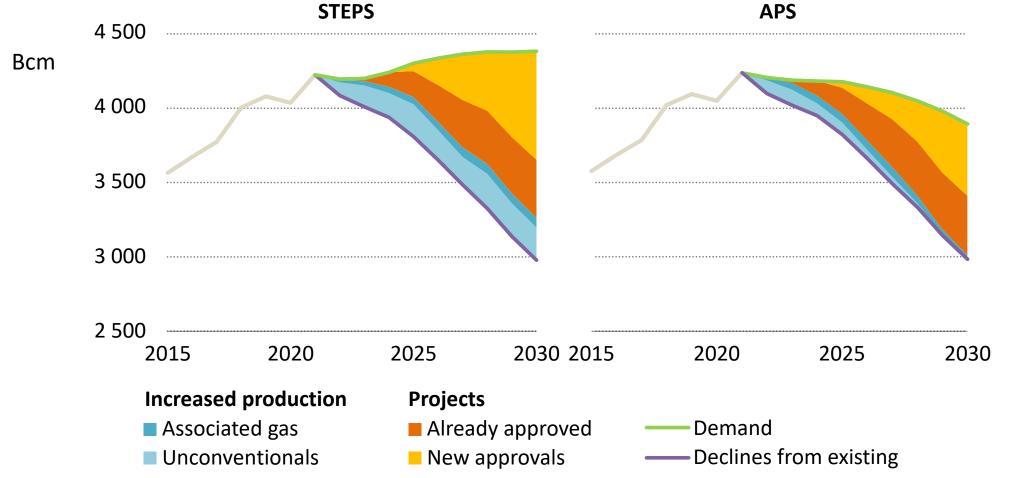


High prices in 2022 meant most abatement measures could have been deployed at no net cost. Less than 3% of the net income received by the oil and gas industry in 2022 would be enough to cut emissions by 75% to 2030

How much new supply is needed?



Investment in upstream natural gas supply in the Stated Policies (STEPS) and Announced Pledges (APS) scenarios, 2015-2030

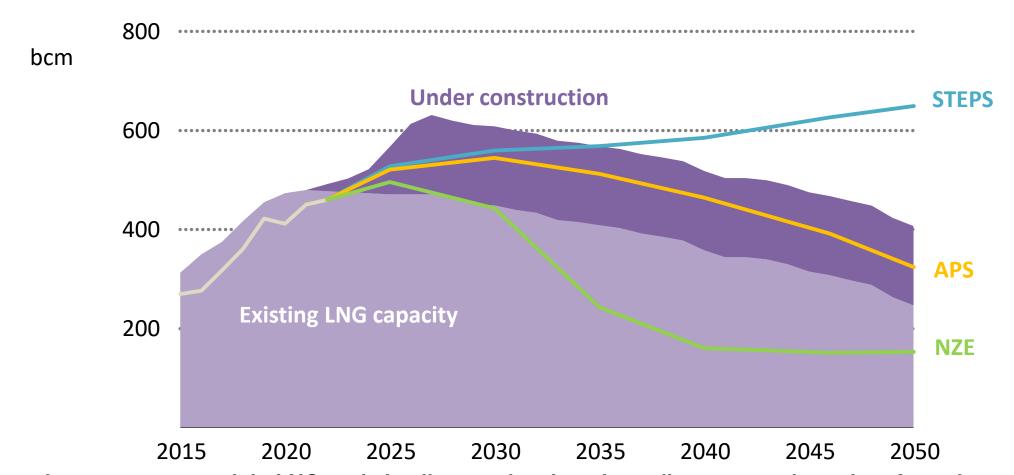


In the STEPS and APS, new investments are required to offset declines from existing fields, even with flat or declining demand. In the NZE, the fall in demand is steep enough to be met without new fields.

LNG is in high demand, but for how long?



Total inter-regional LNG trade by scenario compared to existing and under construction LNG capacity



There is near-term growth in LNG trade in all scenarios, but sharp divergences thereafter. A gap between LNG capacity and demand emerges in STEPS from the mid-2030s.

