

U.S. LNG EXPORTS:

Helping Europe Create a Secure & Clean Energy Future

As the largest current provider of liquefied natural gas (LNG) to Europe, and with many new projects in the queue for development, the U.S. is poised to continue playing a critical role in stabilizing global energy markets and providing energy security. **Europe's ability to import more LNG**—as well as diversify its natural gas supply and transition to net-zero—is **directly linked to accelerated investments in natural gas and LNG infrastructure and securing supply by signing long term contracts.**

EUROPEAN GAS BY THE NUMBERS

As Europe's domestic production decreased, Russian pipeline imports filled the gap and increased by 18% between 2010 and 2020 – filling approximately 29% of total demand in 2020. Simultaneously, LNG imports increased with the U.S. as the top supplier as of 2021.

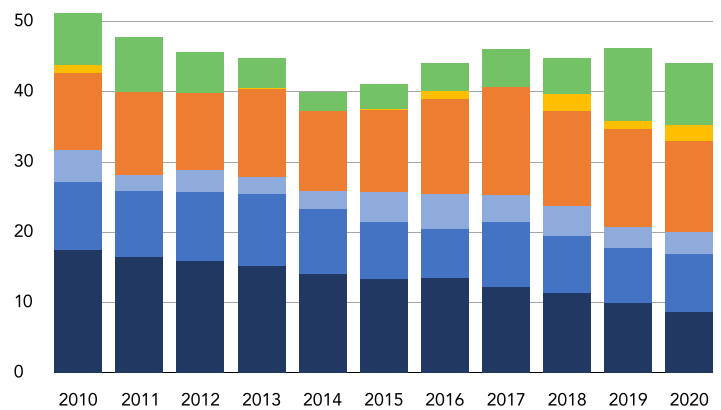
2020 European natural gas demand: **45 Bcf/d.**

2020 European imports from Russian pipeline: **13 Bcf/d.**

Current European LNG import capacity: **22.6 Bcf/d**

» **12–18 Bcf/d** of current European LNG import capacity hinges on expanded pipelines and infrastructure.

Europe (EU-27) and the United Kingdom (UK) Natural Gas Supply (2010–2020) billion cubic feet per day

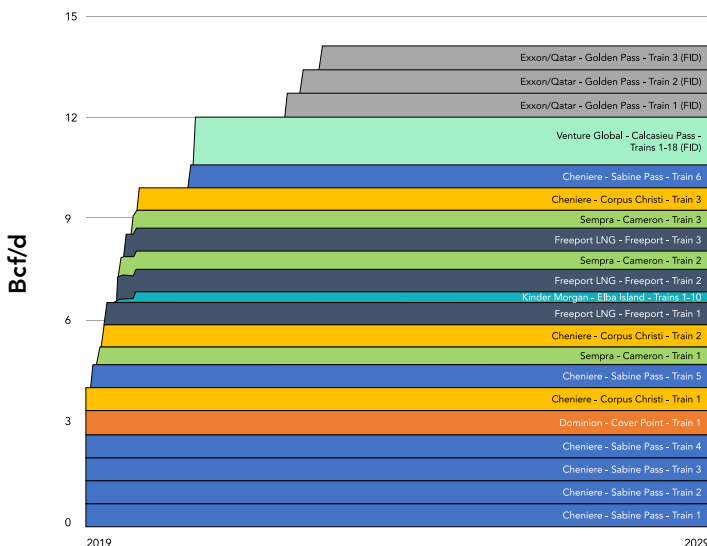


Imports by pipeline: Norway (blue), Africa (light blue), Russia (orange), Unspecified (yellow)
 Domestic production (dark blue), LNG imports (green)

Source: U.S. Energy Information Administration (EIA), Today in Energy, Feb 11, 2022

U.S. LNG PRODUCTION BY THE NUMBERS

U.S. LNG Export Capacity Growth (2019-2029)



Source: RBN, LNG Voyager Report, March 15, 2022

The U.S. LNG industry has abundant supply and desire to add more export capacity to serve growing European and global demand.

- **15 APPLICATIONS** for long-term exports to non-FTA countries are pending with DOE.
- **14 PROJECTS** are waiting for FERC approval.
- **2 APPLICATIONS** are ready for immediate DOE action
- **2.15 BCF/D IN CAPACITY IS WAITING** for regulatory approval.

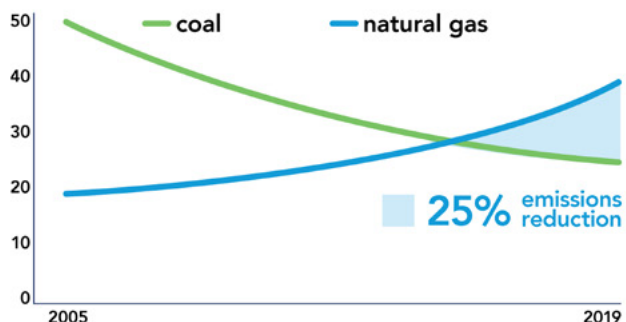
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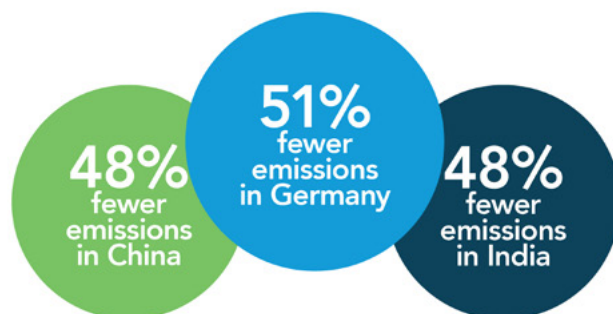
CLEANER ENERGY TODAY AND TOMORROW

Natural gas has drastically decreased emissions in the U.S. and is uniquely positioned to support the growth of renewables. As exporters of the fuel, the U.S. LNG industry is helping countries around the world achieve a clean energy future.

Natural gas displaced coal, resulting in 25% cut in U.S. power sector emissions.



U.S. LNG can achieve similar results abroad. Compared to domestic coal, U.S. LNG delivers:



Source: <https://www.api.org/news-policy-and-issues/lng-exports/new-lifecycle-analysis-of-us-lng-exports>

CLNG MEMBER'S CLEAN ENERGY COMMITMENTS

CLNG members are proud of the work they have done to reduce global emissions and are looking forward to doing more. As laid out in [CLNG's Methane Emissions Principles](#) below, CLNG members are making investments to provide LNG with the lowest possible environmental footprint and are dedicated to improving the quantity and quality of data.

CLNG METHANE EMISSION PRINCIPLES

CLNG members:

- Believe that reducing methane emissions is an essential component of reducing greenhouse gas emissions and supporting a cleaner environment.
- Are committed to making investments in processes and technologies to address and improve methane emissions management.
- Are committed to working with our domestic partners and those abroad to provide LNG with the lowest possible environmental footprint.
- Are dedicated to improving the quality of methane data to achieve greater transparency through enhanced measurement, reporting, and verification of methane emissions.
- Support increased voluntary efforts and well-designed government policies to achieve further reductions of methane emissions.
- The most effective methane policies and regulations are scientifically sound, cost-effective, and flexible to allow for efficient implementation, future technology deployment, and continuous improvements.
- Are committed to engaging in open, transparent dialogue with stakeholders about how best to mitigate methane emissions across the value chain.

Learn more about what our members are doing to create a clean energy future, here: www.lngfacts.org/environment-climate/

MEMBERS OF THE CENTER FOR LIQUEFIED NATURAL GAS

are committed to supporting the U.S. and its allies to meet their clean energy and national security needs.

