

Top U.S. LNG Developments in 2019

FIRST QUARTER 2019

- **Feb. 15, Golden Pass LNG**
Project shareholders (Qatar Petroleum and ExxonMobil) take final investment decision (FID) on 15 mtpa export project (Sabine Pass, Texas). First LNG expected in 2024. Ocean LNG (also QP + XOM) agrees to market entire LNG production.
- **Feb. 21, Multiple Projects**
FERC breaks two year hiatus and begins authorizing LNG export projects. Eleven major projects authorized by year end: Calcasieu Pass (Feb. 21); Driftwood (April 18); Port Arthur (April 18); Freeport 4 (May 16); Gulf (July 16); Eagle (Sept. 19); Plaquemines (Sept. 30); Texas (Nov. 21); Annova (Nov. 21); and Rio Grande (Nov. 21); and Corpus Christi Stage 3 (Nov. 21).

SECOND QUARTER 2019

- **April 1, Rio Grande LNG**
NextDecade Corp. signs sales and purchase agreement (SPA) with Shell for 2.0 mtpa from Rio Grande LNG (Brownsville, Texas) with “three quarters of the volume indexed to Brent.”
- **May 21, Port Arthur LNG**
Saudi Aramco inks 5.0 mtpa heads of agreement (HOA) with Sempra Energy’s Port Arthur LNG project (Port Arthur, Texas).
- **May 31, Cameron LNG**
Sempra Energy-led Cameron LNG project (Hackberry, Louisiana) exports first cargo from Train One. First LNG produced by Train Two on Dec. 23.
- **June 3, Corpus Christi Liquefaction**
Cheniere signs long-term supply agreement with Apache Corp. for 0.85 mtpa of LNG “under international indices.” Similar deal with EOG Resources signed on Sept. 16. LNG from Corpus Christi (Texas) Phase 3.
- **June 3, Sabine Pass**
Cheniere takes FID on Sabine Pass (Louisiana) Train 6 bringing total site capacity to 22.5 mtpa of LNG.

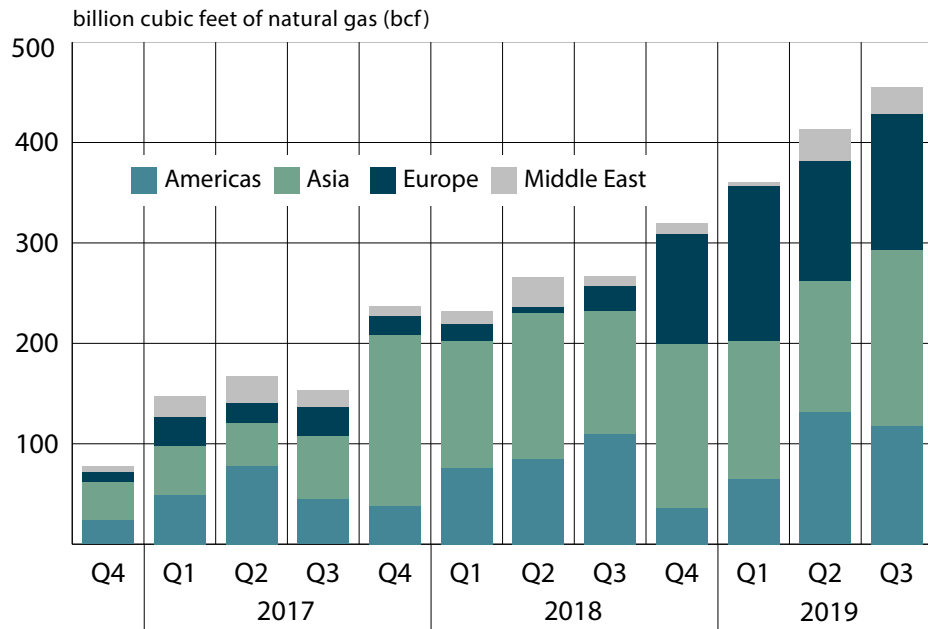
THIRD QUARTER 2019

- **July 10, Driftwood LNG**
Total finalizes agreement with Tellurian for investment (1.0 mtpa) in Driftwood LNG (Lake Charles, Louisiana) and 1.5 mtpa SPA from Driftwood Marketing.
- **Aug. 19, Calcasieu Pass**
Venture Global takes FID on 10 mtpa Calcasieu Pass LNG facility (Louisiana) and starts construction.
- **Aug. 21, Industry-Wide**
Export-Import Bank of the United States announces new effort to assist U.S. LNG export project developers.
- **Sept. 3, Freeport LNG**
Freeport LNG (Quintana Island, Texas) ships first cargo from Train One. First Train Two cargo on Dec. 18.
- **Sept. 16, Magnolia LNG**
LNG Ltd. announces initial agreement with Delta Offshore Energy for 2.0 mtpa from Magnolia LNG (Lake Charles, Louisiana) for 3,200 MW powerplant in Vietnam.
- **Sept. 21, Driftwood LNG**
Tellurian inks initial \$7.5 billion deal with Petronet for 5 mtpa investment in Driftwood LNG.

FOURTH QUARTER 2019

- **Nov. 25, Commonwealth LNG**
Gunvor and Commonwealth (Calcasieu Ship Channel, Louisiana) enter into an initial LNG marketing and gas supply agreement under which Gunvor will take 3.0 mtpa of LNG from Commonwealth and help market the remaining 5.4 mtpa.
- **Dec. 16, Elba Island**
Kinder Morgan-led Elba Island, Georgia, project sends out first cargo. With this shipment all six of the “first wave” of U.S. LNG projects are now operating, with a continued steep ramp up of production coming from Cameron, Freeport, and Elba Island in first half of 2020.

Regional Distribution of U.S. LNG - Past 3 Years



Source: DOE LNG Monthly (Data through 30 Sept. 2019)

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