

# Cameron LNG

## Liquefaction Project Details



**Cameron LNG is developing natural gas liquefaction and export facilities next to its existing liquefied natural gas (LNG) receipt terminal in Hackberry, Louisiana.** Cameron has obtained approval from the U.S. Department of Energy (DOE) to export up to 12 million tonnes per annum (Mtpa), or approximately 1.7 billion cubic feet (bcf) per day, of LNG to all Free Trade Agreement (FTA) and non-FTA countries.

In December 2014, Cameron LNG applied for DOE authorization to export an additional 2.95 Mtpa of LNG to FTA and non-FTA countries, which would increase the authorized LNG export capacity to 14.95 Mtpa (the facility's aggregate maximum liquefaction capacity). DOE approved the FTA request in April 2015. The non-FTA request is still pending.

With a total cost of approximately \$10 billion, many benefits—both locally and globally—will result from the construction and operation of the Cameron LNG liquefaction facilities.

### PROJECT TIMELINE

PROJECT TIMELINE	
November 2011	Commencement of Front End Engineering Design
January 2012	Cameron LNG received FTA approval for 12 MTPA
December 2012	Filed NGA Section 3 application to FERC
April 2014	Final Environmental Impact Statement issued by FERC
June 2014	FERC authorization to site, construct and operate the facility
August 2014	Final Investment Decision
September 2014	Received non-FTA approval from DOE for 12 MTPA
2014	Construction commenced
2019	Expect all three trains to achieve commercial operation

Cameron LNG is strategically located near a major pipeline hub that can deliver domestic natural gas to the project.

### Project Description

Cameron LNG's existing receipt terminal is situated along the Calcasieu Ship Channel near Hackberry, Louisiana. It is located 18 miles from the Gulf of Mexico and connected to major interstate pipelines via the Cameron Interstate Pipeline.

The proposed liquefaction project will use Cameron LNG's existing facilities, including two marine berths capable of accommodating Q-Flex sized LNG ships, three LNG storage tanks with a combined storage capacity of 480,000 cubic meters, and vaporization capability for regasification services of 1.5 Bcf per day.

The completed liquefaction project is expected to be comprised of three liquefaction trains with an output capacity of 4.5 Mtpa each.

Once the facilities are operational, Cameron LNG will have the capability to:

- liquefy domestically-produced natural gas for export,
- import LNG and regasify it for delivery to domestic markets, or
- re-export foreign-sourced LNG.

### Commercial Development Agreements

Affiliates of Sempra Energy, GDF SUEZ S.A., Mitsubishi Corporation (through a related company jointly established with Nippon Yusen Kabushiki Kaisha) and Mitsui & Co., Ltd. signed a joint venture agreement to support the development, financing and construction of the liquefaction facility.

Cameron LNG signed 20-year tolling agreements with GDF SUEZ S.A. and affiliates of Mitsubishi Corporation and Mitsui & Co., Ltd. for the facility's liquefaction capacity.

### Economic Benefits

With a total cost of approximately \$10 billion, many benefits—both locally and globally—will result from the construction and operation of the Cameron LNG liquefaction facilities, including:

- Exports by our customers of approximately \$8.6 billion of LNG per year and an average of \$2.2 billion of natural gas liquids production, averaging total trade balance benefits of \$10.8 billion per year based on 2011 dollars.
- Approximately 140 new full-time jobs at Cameron LNG and an additional 45 new jobs at the headquarters in Houston, Tx.
- The design, engineering and construction of the project will result in the creation of approximately 3,000 on-site jobs in Southwest Louisiana.

### Responsible Community Partners

**Community Investment:** We are committed to the community where we live and work. We invest time, talent and financial resources to help improve the quality of life for our customers, neighbors and employees. By partnering with local organizations, we maintain a commitment to making a positive difference in our community.



**Marshland creation:** Construction of the liquefaction facilities will result in the creation of beneficial marsh wetlands in Cameron Parish.

### Engineering & Construction

Cameron LNG awarded the engineering services contract to Foster Wheeler; and the engineering, procurement and construction (EPC) contract to CCJV, a joint venture between CB&I and Chiyoda.

Cameron LNG  
2925 Briarpark Drive, Suite 1000  
Houston, Texas 77042

Tel: 1-832-783-5500  
Media: 1-844-239-9072  
info@CameronLNG.com  
www.CameronLNG.com

