



U.S. LNG Export Projects*

Overview

State / LNG Export Project	Lead Company(ies)	B / G ¹	mtpa	bcf/d ²	Initial Export Target Date ³	Status of Liquefaction Contracts
OPERATING OR UNDER CONSTRUCTION						
LA - Sabine Pass (Trains 1-5)	Cheniere Energy	B	24.5	3.22	T1-5 Operating	Fully Subscribed
MD - Cove Point LNG	Dominion Energy	B	5.8	0.76	Operating	Fully Subscribed
TX - Corpus Christi (Trains 1-3)	Cheniere Energy	G	13.5	1.78	T1-2 Operating	Fully Subscribed
LA - Cameron LNG (Trains 1-3)	Sempra LNG	B	15.0	1.97	T1 Operating	Fully Subscribed
GA - Elba Liquefaction Co.	Kinder Morgan	B	2.5	0.33	H2 2019	Fully Subscribed
TX - Freeport LNG (Trains 1-3)	Freeport LNG	B	16.1	2.11	T1 Operating	Fully Subscribed
TX - Golden Pass LNG	Qatar Petroleum, ExxonMobil	B	15.6	2.05	2024	Fully Subscribed
LA - Sabine Pass (Train 6)	Cheniere Energy	B	4.9	0.64	2023	Partially Subscribed
LA - Calcasieu Pass	Venture Global LNG	G	10.0	1.70	2022	Fully Subscribed
FULLY PERMITTED — AWAITING FINAL INVESTMENT DECISION						
LA - Cameron LNG (Trains 4-5)	Sempra LNG	B	10.0	1.32		
LA - Lake Charles LNG	Energy Transfer, Shell	B	14.3	1.88		
LA - Magnolia LNG	LNG Ltd.	G	8.0	1.05		
LA - Delfin LNG (Offshore)	Delfin LNG	B/P	13.0	1.71		
LA - Driftwood LNG	Tellurian Inc.	G	27.6	3.63		Partially Subscribed
TX - Port Arthur LNG	Sempra LNG	G	13.5	1.78		Mostly Subscribed
TX - Freeport LNG (Train 4)	Freeport LNG	B	5.1	0.67		Partially Subscribed
MS - Gulf LNG Liquefaction	Kinder Morgan	B	10.0	1.32		
FL - Eagle LNG	Eagle LNG Partners	G	1.0	0.13		
LA - Plaquemines LNG	Venture Global LNG	G	20.0	2.63		Partially Subscribed
UNDER FORMAL FERC⁴ / DOE REVIEW						
TX - Texas LNG Brownsville	Texas LNG	G	4.0	0.53		
TX - Corpus Christi (Stage 3)	Cheniere Energy	G	10.0	1.32		Partially Subscribed
TX - Annova LNG	Exelon	G	7.0	0.92		
TX - Rio Grande LNG	NextDecade	G	27.0	3.55		Partially Subscribed
OR - Jordan Cove LNG	Pembina Pipeline Corp.	G	6.8	0.89		
AK - Alaska LNG	Alaska Gasline Development Corp.	G	20.0	2.63		
LA - Commonwealth LNG	Commonwealth LNG	G	9.0	1.18		
LA - West Delta LNG (Offshore)	LNG 21	G	6.1	0.80		
IN FERC PRE-FILING						
LA - Fourchon LNG	Energy World USA	G	5.0	0.66		
TX - Galveston Bay	NextDecade Corp.	G	16.5	2.17		
LA - Pointe LNG	Pointe LNG	G	6.0	0.79		
LA - Delta LNG	Venture Global LNG	G	20.0	2.63		
TX - Port Arthur (Trains 3-4)	Sempra LNG	G	13.5	1.78		

Information current as of 21 Nov. 2019. Notes:

1. B = Brownfield Project. G = Greenfield Project. B/P = Existing offshore pipeline and land-based facilities.
2. Bcf/d levels derived from nameplate capacity. Levels authorized by U.S. Dept. of Energy for export to non-Free Trade Agreement nations are slightly higher.
3. Target export dates for projects that have not yet taken Final Investment Decision (FID) are not listed.
4. Offshore projects (e.g. West Delta) are reviewed by U.S. Maritime Administration.



U.S. LNG Export Projects*

Key Dates

State / LNG Export Project	FERC/MARAD Filing	Final NEPA EIS / EA	FERC/MARAD Order	DOE Non-FTA License	Notes
OPERATING OR UNDER CONSTRUCTION					
LA - Sabine Pass (Trains 1-4)	31 Jan 2011	22 Dec 2011	16 Apr 2012	07 Aug 2012	In Service
LA - Cameron LNG (Trains 1-3)	07 Dec 2012	30 Apr 2014	19 Jun 2014	10 Sep 2014	T1 Commissioning
MD - Cove Point LNG	01 Apr 2013	15 May 2014	29 Sep 2014	07 May 2015	In Service
LA - Sabine Pass (Train 5)	30 Sep 2013	12 Dec 2014	06 Apr 2015	26 Jun 2015	In Service
TX - Corpus Christi (Trains 1-3)	31 Aug 2012	08 Oct 2014	30 Dec 2014	12 May 2015	T1 SC; T2 Commissioning
GA - Elba Liquefaction Co.	10 Mar 2014	05 Feb 2016	01 Jun 2016	16 Dec 2016	Unit 1 In Service
TX - Freeport LNG (Trains 1-3)	31 Aug 2012	16 Jun 2014	30 Jul 2014	14 Nov 2014	T1 Commissioning
TX - Golden Pass LNG	07 Jul 2014	29 Jul 2016	21 Dec 2016	25 Apr 2017	Under Construction
LA - Sabine Pass (Train 6)	30 Sep 2013	12 Dec 2014	06 Apr 2015	26 Jun 2015	Under Construction
LA - Calcasieu Pass	04 Sep 2015	22 Oct 2018	21 Feb 2019	05 Mar 2019	Under Construction
FULLY PERMITTED — AWAITING FINAL INVESTMENT DECISION					
LA - Cameron LNG (Trains 4-5)	28 Sep 2015	12 Feb 2016	05 May 2016	15 Jul 2016	
LA - Lake Charles LNG	25 Mar 2014	14 Aug 2015	17 Dec 2015	29 Jul 2016	
LA - Magnolia LNG	30 Apr 2014	16 Nov 2015	15 Apr 2016	30 Nov 2016	
LA - Delfin LNG (Offshore)	08 May 2015	21 Nov 2016	13 Mar 2017	01 Jun 2017	
LA - Driftwood LNG	03 Apr 2017	18 Jan 2019	18 Apr 2019	02 May 2019	
TX - Port Arthur LNG	29 Nov 2016	31 Jan 2019	18 Apr 2019	02 May 2019	
TX - Freeport LNG (Train 4)	14 Jun 2017	02 Nov 2018	16 May 2019	28 May 2019	
MS - Gulf LNG Liquefaction	19 Jun 2015	17 Apr 2019	16 Jul 2019	31 Jul 2019	
FL - Eagle LNG	31 Jan 2017	12 Apr 2019	19 Sep 2019	04 Oct 2019	
LA - Plaquemines LNG	28 Feb 2017	03 May 2019	30 Sep 2019	16 Oct 2019	
UNDER FORMAL FERC / DOE REVIEW					
TX - Texas LNG Brownsville	31 Mar 2016	15 Mar 2019	21 Nov 2019		
TX - Corpus Christi (Stage 3)	28 Jun 2018	29 Mar 2019	21 Nov 2019		
TX - Annova LNG	13 Jul 2016	19 Apr 2019	21 Nov 2019		
TX - Rio Grande LNG	05 May 2016	26 Apr 2019	21 Nov 2019		
OR - Jordan Cove LNG	21 Sep 2017	15 Nov 2019			
AK - Alaska LNG	18 Apr 2017	06 Mar 2020			
LA - Commonwealth LNG	20 Aug 2019	02 Oct 2020			
LA - West Delta LNG (Offshore)	25 Sep 2019				MARAD / USCG Jurisdiction
IN FERC PRE-FILING (DATE LISTED IS FOR PRE-FILING)					
LA - Fourchon LNG	03 Aug 2017				
TX - Galveston Bay	14 Sep 2018				
LA - Pointe LNG	16 Oct 2018				
LA - Delta LNG	19 Apr 2019				
TX - Port Arthur (Trains 3-4)	25 Jun 2019				



U.S. LNG Export Projects

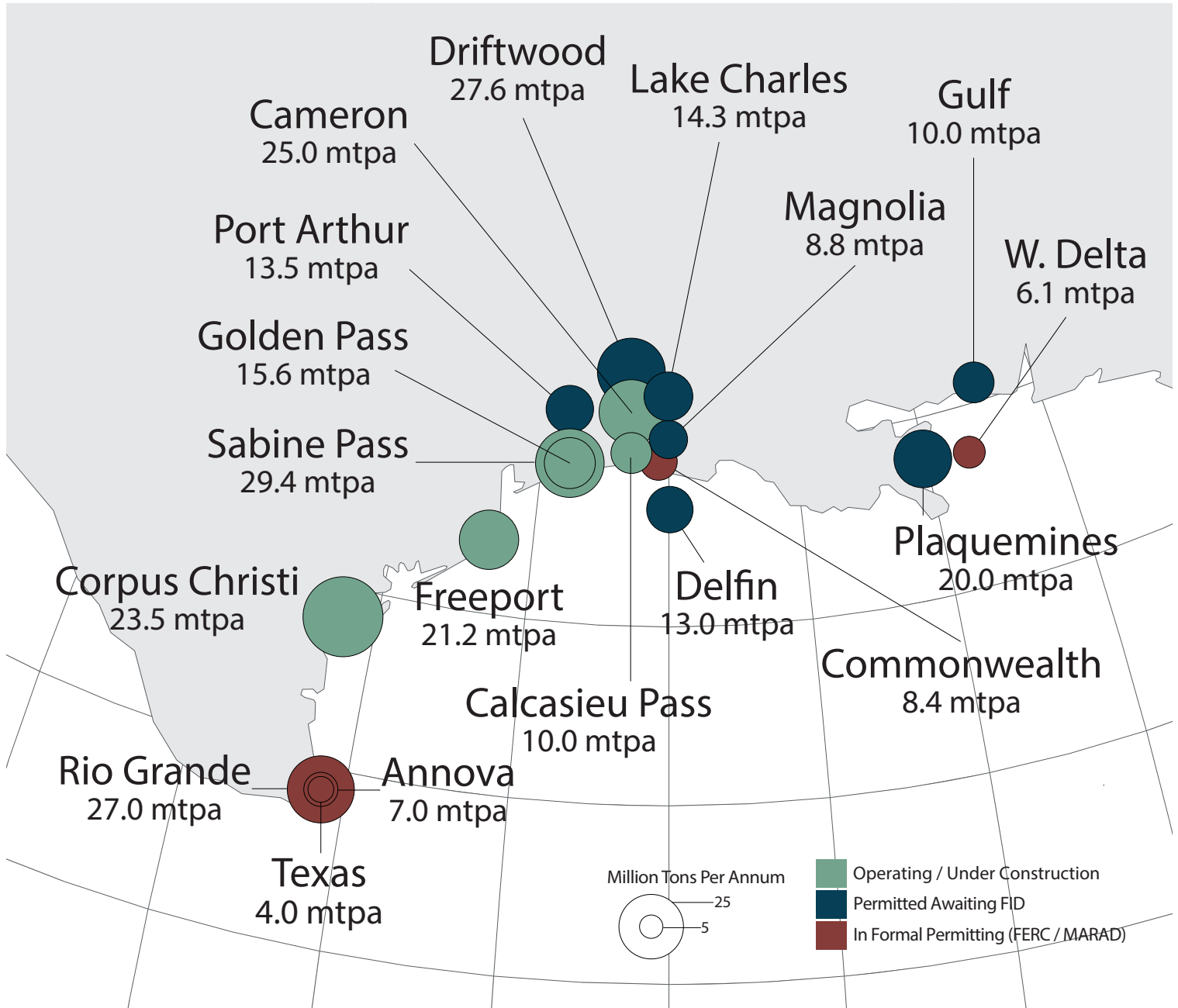
Location Map





U.S. LNG Export Projects

Map Enlargement





Long-Term Contracts

U.S. LNG Projects

LNG Purchaser	HQ Nation	Train	mtpa	Term	Type	Signed	Del.	Equity?	Notes
SABINE PASS LIQUEFACTION (CHENIERE ENERGY)									
Royal Dutch Shell	Netherlands	1	5.50	20	SPA	2011	FOB	No	
Naturgy Energy Group	Spain	2	3.50	20	SPA	2011	FOB	No	Naturgy formerly Gas Natural Fenosa
GAIL (India) Ltd.	India	4	3.50	20	SPA	2011	FOB	No	
Korea Gas (KOGAS)	South Korea	3	3.50	20	SPA	2012	FOB	No	
Total	France	5	2.00	20	SPA	2012	FOB	No	
Centrica	U.K.	5	1.75	20	SPA	2013	FOB	No	
FREPORT LNG DEVELOPMENT / MARKETING									
Osaka Gas & Chubu Elec.	Japan	1	4.40	20	LTA	2012	—	No	
BP Energy	U.K.	2	4.40	20	LTA	2013	—	No	
Total (Formerly Toshiba)	France	3	2.20	20	LTA	2013	—	No	Contract purchased from Toshiba
SK E&S	Korea	3	2.20	20	LTA	2013	—	No	
Trafigura	Singapore	3	0.50	3	SPA	2018	FOB	No	Freeport Marketing; Begins July 2020
CAMERON LNG (SEMPRA ENERGY & PARTNERS)									
Mitsui & Co.	Japan	1, 2, 3	4.00	20	JV/LTA	2013	—	Yes	16.6% shareholder + offtaker
Mitsubishi/OKK	Japan	1, 2, 3	4.00	20	JV/LTA	2013	—	Yes	16.6% shareholder + offtaker
Total	France	1, 2, 3	4.00	20	JV/LTA	2013	—	Yes	16.6% shareholder + offtaker
COVE POINT (DOMINION ENERGY)									
Sumitomo / Tokyo Gas	Japan	1	2.30	20	LTA	2013	—	No	For Tokyo Gas & Kansai Electric
GAIL (India) Ltd.	India	1	2.30	20	LTA	2013	—	No	
ELBA ISLAND LIQUEFACTION (KINDER MORGAN)									
Royal Dutch Shell	Netherlands	—	2.50	20	SPA	2013	FOB	No	
CORPUS CHRISTI LIQUEFACTION (CHENIERE ENERGY)									
PT Pertamina	Indonesia	1	0.76	20	SPA	2014	FOB	No	
Endesa Generación	Spain	1	1.50	20	SPA	2014	FOB	No	
Endesa Generación	Spain	1	0.75	20	SPA	2014	FOB	No	For Enel (the Italian parent)
Iberdrola	Spain	1	0.40	20	SPA	2014	FOB	No	
Naturgy Energy Group	Spain	2	1.50	20	SPA	2014	FOB	No	
Woodside Energy	Singapore	2	0.85	20	SPA	2014	FOB	No	
PT Pertamina	Indonesia	2	0.76	20	SPA	2014	FOB	No	
Électricité de France	France	2, 3	0.77	20	SPA	2014	FOB	No	
Energias de Portugal	Portugal	3	0.77	20	SPA	2014	FOB	No	
Petro China	China	3	1.20	25	SPA	2018	FOB	No	From Cheniere Mktg. until 2023
Apache	USA	Stage 3	0.85	15	GSA	2019	IPM	No	Gas Sales Agreement; LNG Netback
EOG Resources	USA	Stage 3	2.66	15	GSA	2019	IPM	No	Gas Sales Agreement; LNG Netback

Information current as of 16 Oct. 2019.



Long-Term Contracts

(Cont.)

LNG Purchaser	HQ Nation	Train	mtpa	Term	Type	Signed	Del.	Equity?	Notes
PORT ARTHUR LNG (SEMPRA ENERGY)									
Polish Oil and Gas Co.	Poland		2.00	20	SPA	2018	FOB	No	
CHENIERE MARKETING									
Vitol	Switzerland		0.77	15	SPA	2018	FOB	No	Begins in 2018
Trafigura Group	Switzerland		1.00	15	SPA	2018	FOB	No	Begins in 2019
CPC Corp.	Taiwan		2.00	25	SPA	2018	DES	No	Begins in 2021
Polish Oil and Gas Co.	Poland		1.45	24	SPA	2018	DES	No	0.55 mtpa 2019-2022
VENTURE GLOBAL CALCASIEU PASS									
Edison	Italy		1.00	20	SPA	2017	FOB	No	
Royal Dutch Shell	Netherlands		2.00	20	SPA	2018	FOB	No	
Repsol	Spain		1.00	20	SPA	2018	FOB	No	
Galp	Portugal		1.00	20	SPA	2018	FOB	No	
BP	U.K.		2.00	20	SPA	2018	FOB	No	
Polish Oil and Gas Co.	Poland		1.00	20	SPA	2018	FOB	No	
VENTURE GLOBAL PLAQUEMINES LNG									
Polish Oil and Gas Co.	Poland		1.00	20	SPA	2018	FOB	No	
Polish Oil and Gas Co.	Poland		1.50	20	SPA	2019	FOB	No	
NEXTDECADE RIO GRANDE LNG									
Royal Dutch Shell	Netherlands		2.00	20	SPA	2019	FOB	No	Partially indexed to Brent
GOLDEN PASS LNG									
Ocean LNG Ltd.	Qatar	1, 2, 3	15.60	N/A	SPA	2019	FOB	No	70% Qatar Petroleum / 30% ExxonMobil
DRIFTWOOD LNG (TELLURIAN & PARTNERS)									
Total	France		1.0	—	JV/LTA	2019	FOB	Yes	Term is indefinite
DRIFTWOOD MARKETING									
Total	France		1.5	20	SPA	2019	FOB	No	Indexed to Platts JKM