



U.S. DEPARTMENT OF
ENERGY

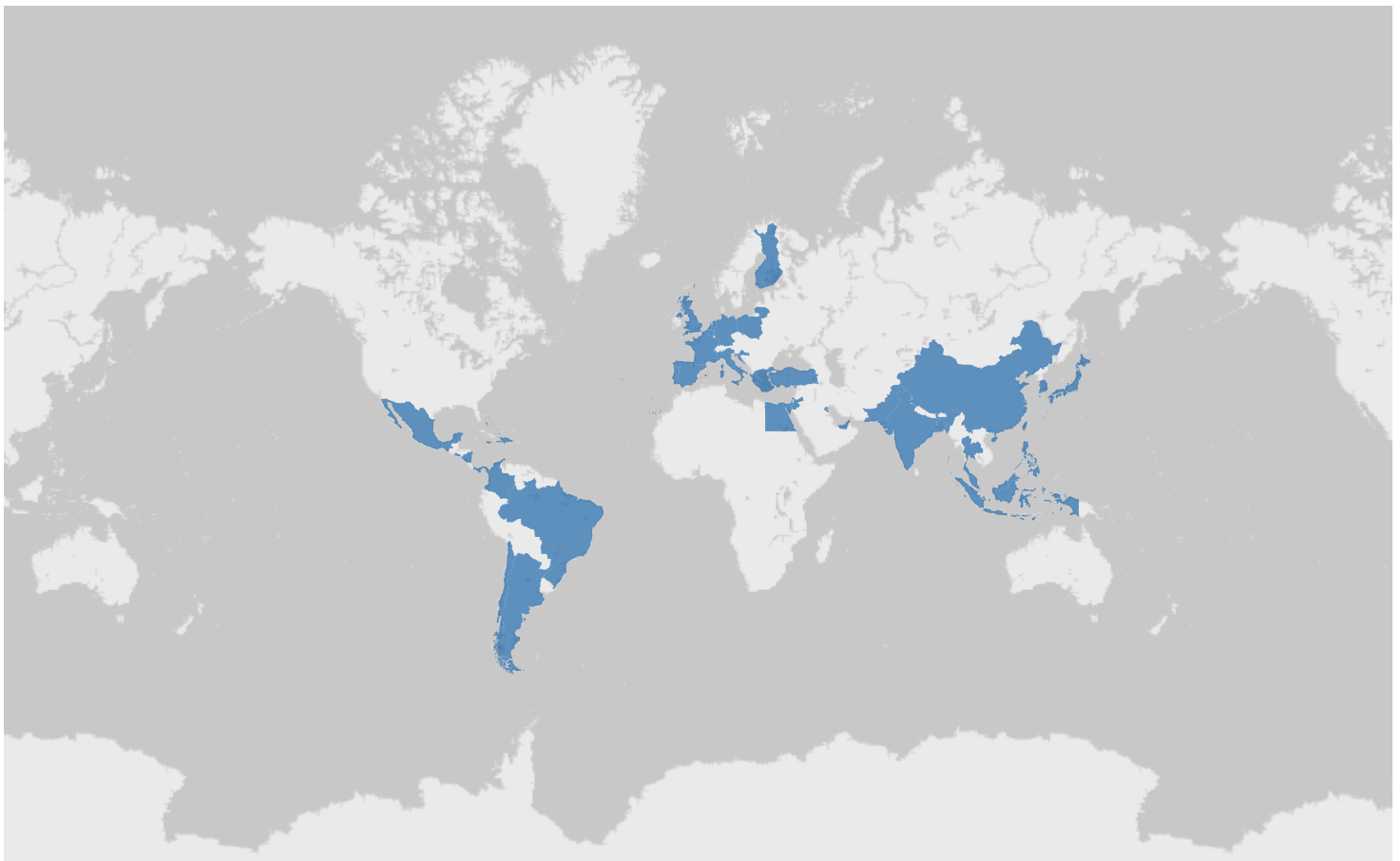
Fossil Energy and
Carbon Management

OFFICE OF RESOURCE SUSTAINABILITY

Office of Regulation, Analysis, and Engagement
Division of Natural Gas Regulation

U.S. Natural Gas Imports and Exports Monthly November 2023

Data are current as of the publication date. Any revisions to reported data will be published in the next scheduled monthly report.



U.S. LNG Historical Countries of Destination

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U.S Natural Gas Imports & Exports Monthly Report

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Executive Summary

November 2023

Summary

In November 2023, the United States exported 654.7 Bcf and imported 258.5 Bcf of natural gas, which resulted in 396.2 Bcf of net exports.

U.S. LNG Exports

The United States exported 386.2 Bcf (59.0% of total U.S. natural gas exports) of natural gas in the form of liquefied natural gas (LNG) to 28 countries.

- Europe (267.0 Bcf, 69.1%), Asia (101.4 Bcf, 26.3%), Latin America/ Caribbean (17.8 Bcf, 4.6%)
- 0.5% increase from October 2023
- 27.7% increase from November 2022
- 89.6% of total LNG exports went to non-Free Trade Agreement countries (nFTA), while the remaining 10.4% went to Free Trade Agreement countries (FTA).

U.S. LNG exports to the top five countries of destination accounted for 51.8% of total U.S. LNG exports.

- France (58.9 Bcf, 15.3%), United Kingdom (47.6 Bcf, 12.3%), Netherlands (36.2 Bcf, 9.4%), Turkiye (31.2 Bcf, 8.1%), and South Korea (26.1 Bcf, 6.8%).

U.S. Imports and Exports by Pipeline and Truck with Mexico

The United States exported 179.0 Bcf of natural gas to Mexico and imported less than 0.1 Bcf of natural gas from Mexico, which resulted in 179.0 Bcf of net exports.

- 10.7% decrease from October 2023
- 11.1% increase from November 2022

U.S. Imports and Exports by Pipeline and Truck with Canada

The United States exported 89.5 Bcf of natural gas to Canada and imported 258.5 Bcf of natural gas from Canada, which resulted in 169.0 Bcf of net imports.

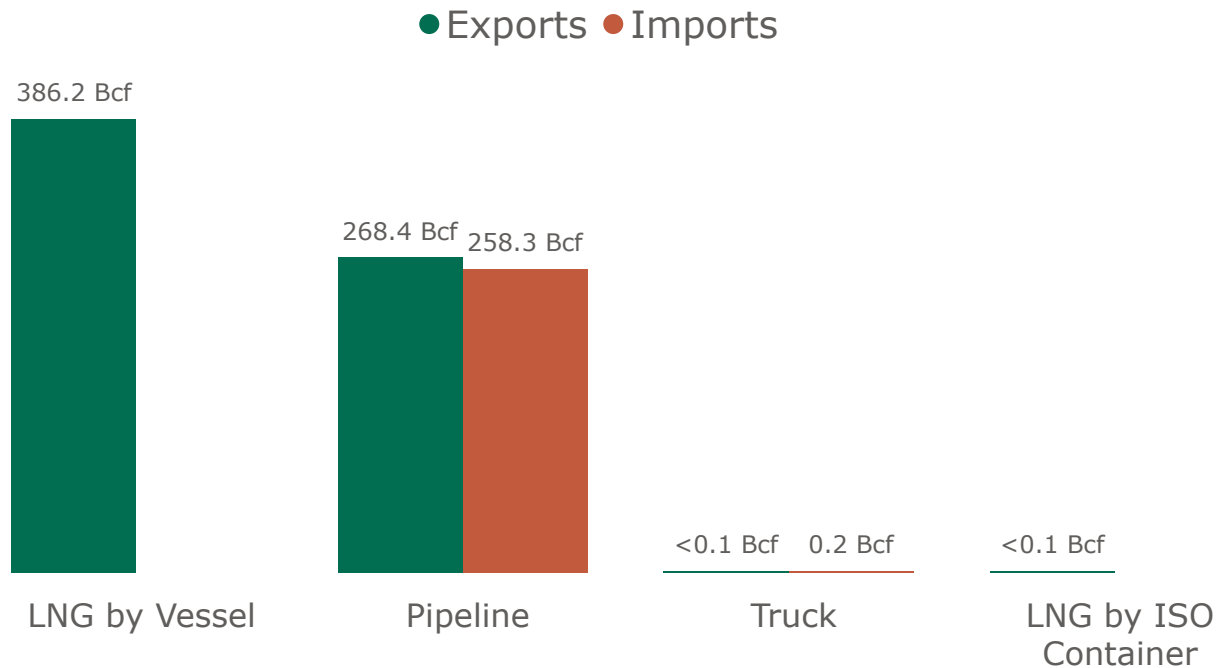
- 1.9% decrease from October 2023
- 4.2% increase from November 2022

U.S. Natural Gas Imports & Exports

Monthly Summary

2

U.S. Natural Gas Imports & Exports by Mode of Transport (November 2023)



1a. Monthly Summary: U.S. Natural Gas Imports & Exports by Mode of Transport

Volume (Bcf)	Monthly			Percentage Change	
	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
Exports					
LNG by Vessel	386.2	384.3	302.3	<1%	28%
Pipeline	268.4	267.4	252.4	<1%	6%
Truck	<0.1	<0.1	0.2	-2%	-83%
LNG by ISO Container	<0.1	<0.1	0.2	-4%	-72%
Total	654.7	651.8	555.0	<1%	18%
Imports					
LNG by Vessel	0	0	1.2	-	-100%
Pipeline	258.3	239.1	253.4	8%	2%
Truck	0.2	0.2	0.2	-30%	-17%
LNG by ISO Container	0	0	0	-	-
Total	258.5	239.3	254.8	8%	1%
Net Exports	396.2	412.5	300.2	-4%	32%

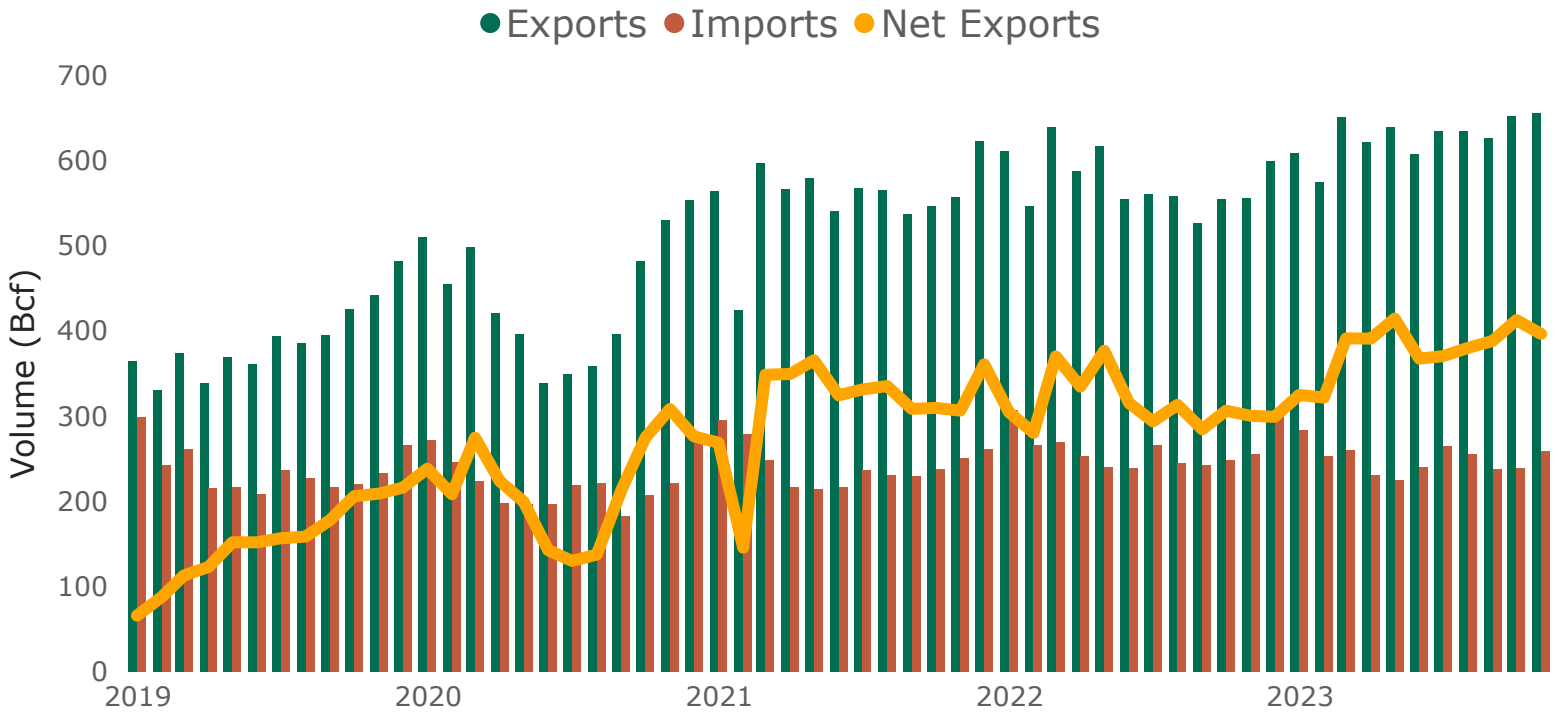
Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- Does not include LNG Re-Exports or Puerto Rico LNG Imports or Exports. See Table 6 for LNG Re-Exports and Table 8 for Puerto Rico LNG Imports and Exports.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).

U.S. Natural Gas Imports & Exports

Year-to-Date and Annual Summary

U.S. Natural Gas Imports & Exports



1b. Year-to-Date and Annual Summary: U.S. Natural Gas Imports & Exports by Mode of Transport

Volume (Bcf) Mode of Transport	Year-to-Date (Jan-Nov)			Annual		
	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Exports						
LNG by Vessel	3,918.8	3,522.3	11%	3,861.9	3,558.3	9%
Pipeline	2,981.2	2,782.1	7%	3,040.8	3,103.3	-2%
Truck	0.7	1.5	-55%	1.6	1.6	3%
LNG by ISO Container	1.0	1.9	-46%	2.1	1.1	83%
Total	6,901.7	6,307.8	9%	6,906.4	6,664.4	4%
Imports						
LNG by Vessel	10.5	20.7	-49%	23.5	21.4	10%
Pipeline	2,732.8	2,807.4	-3%	3,104.0	2,890.5	7%
Truck	2.3	1.9	19%	2.1	0.5	296%
LNG by ISO Container	0	0	-	0	0	-
Total	2,745.6	2,830.0	-3%	3,129.6	2,912.4	7%
Net Exports	4,156.1	3,477.8	20%	3,776.8	3,752.0	<1%

Notes

- Does not include LNG Re-Exports or Puerto Rico LNG Imports or Exports. See Table 6 for LNG Re-Exports and Table 8 for Puerto Rico LNG Imports and Exports.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).

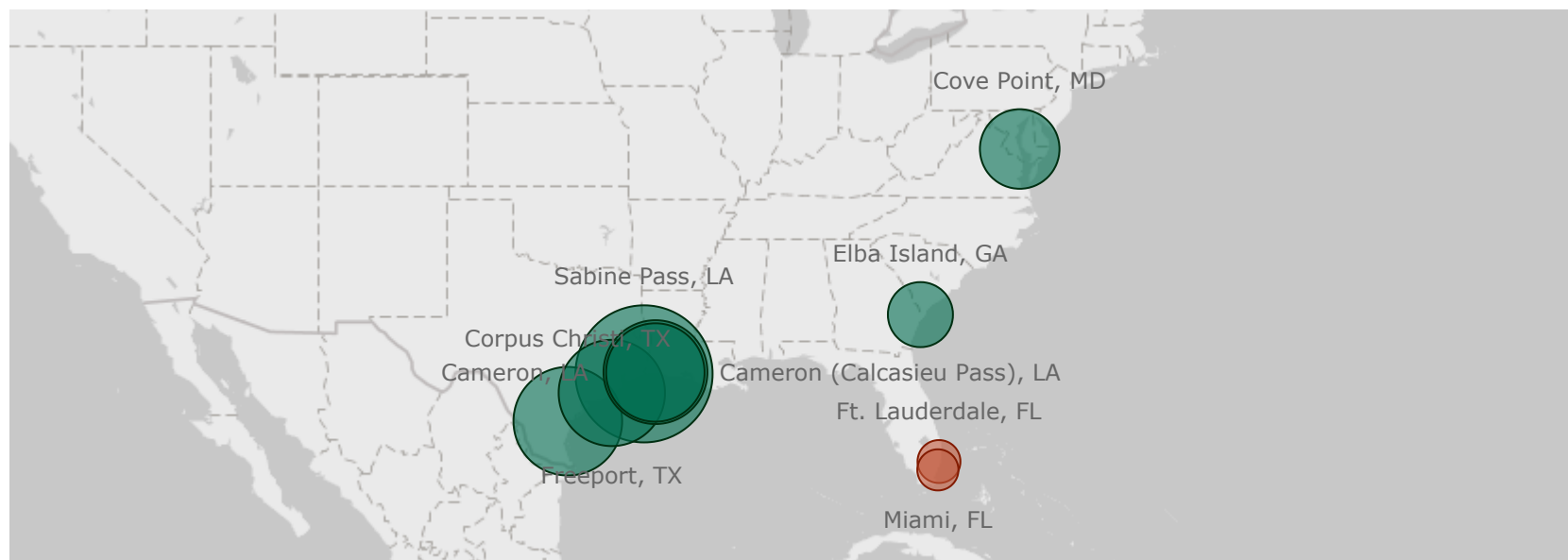
U.S. Liquefied Natural Gas (LNG) Imports & Exports by Vessel and ISO Container

U.S.-Produced LNG Exports

Monthly Summary

U.S.-Produced LNG Exports by Point of Exit (November 2023)

● ISO Container ● Vessel



2a. Monthly Summary: U.S.-Produced LNG Exports by Mode of Transport and Point of Exit

Volume (Bcf)	Monthly			Percentage Change		No. of Cargos	No. of Countries	% nFTA	% Spot	
	Point of Exit	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023					Nov 2023 vs. Nov 2022
LNG Exports by Vessel										
Sabine Pass, LA	130.4	132.4	120.1	-2%	9%	42	18	86%	0%	
Corpus Christi, TX	64.5	63.4	57.0	2%	13%	18	13	89%	0%	
Freeport, TX	60.1	64.0	0	-6%	-	19	11	76%	6%	
Cameron, LA	55.7	59.5	58.0	-7%	-4%	23	9	100%	0%	
Cameron (Calcasieu Pass), LA	46.5	47.9	36.1	-3%	29%	13	7	100%	54%	
Cove Point, MD	20.9	10.7	20.4	96%	2%	6	5	100%	0%	
Elba Island, GA	8.1	6.5	10.6	25%	-24%	3	3	100%	0%	
Total	386.2	384.3	302.3	<1%	28%	124	25	90%	7%	
LNG Exports by ISO Container										
Ft. Lauderdale, FL	<0.1	<0.1	0.2	-5%	-73%	26	3	100%	0%	
Miami, FL	<0.1	<0.1	0	36%	-	3	1	100%	0%	
Jacksonville, FL	0	0	<0.1	-	-100%	-	0	0%	0%	
Newark, NJ	0	0	<0.1	-	-100%	-	0	0%	0%	
Total	<0.1	<0.1	0.2	-4%	-72%	29	4	100%	0%	
Total LNG Exports	386.2	384.4	302.5	<1%	28%	-	28	90%	7%	

Notes

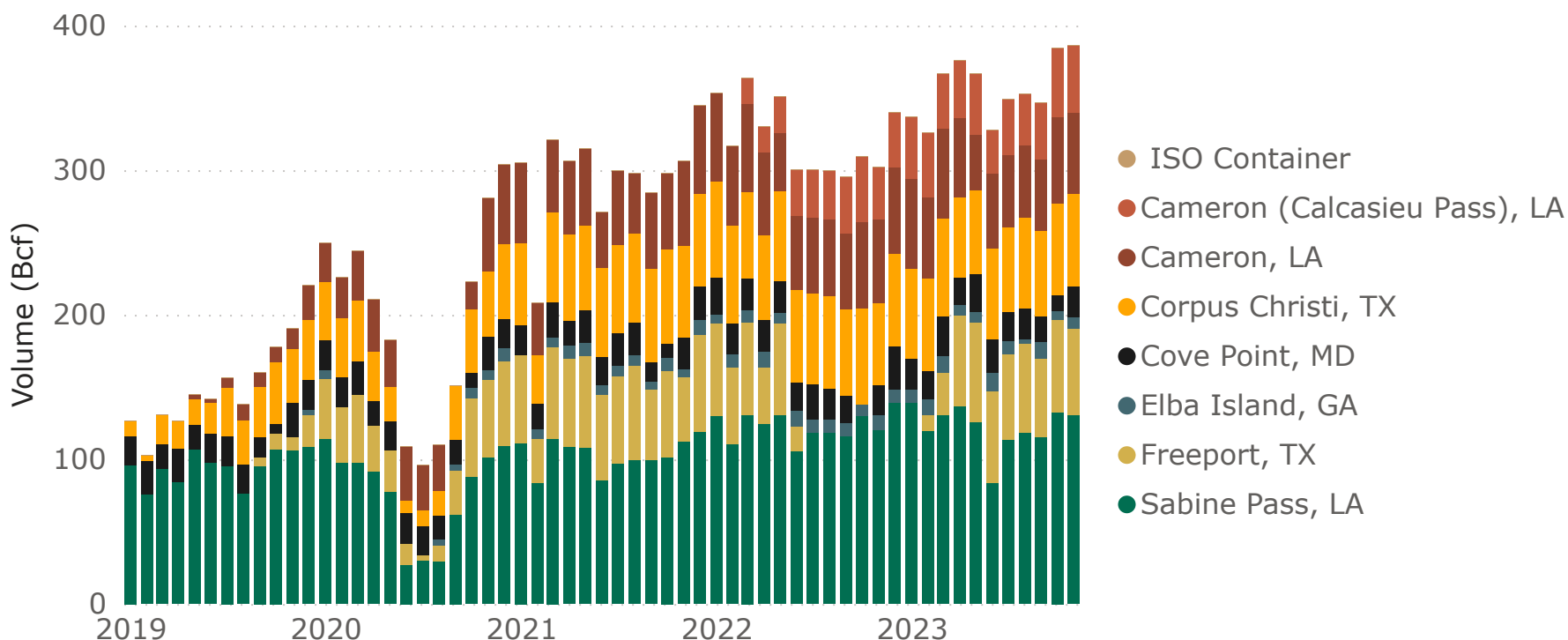
- Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).

U.S.-Produced LNG Exports

Year-to-Date and Annual Summary

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U.S.-Produced LNG Exports by Point of Exit



2b. Year-to-Date and Annual Summary: U.S.-Produced LNG Exports by Mode of Transport and Point of Exit

Volume (Bcf)	Year-to-Date (Jan-Nov)			Annual			No. of Cargos	No. of Countries	% nFTA	% Spot
Point of Exit	YTD 2023	YTD 2022	% Change	2022	2021	% Change	YTD 2023	YTD 2023	YTD 2023	YTD 2023
LNG Exports by Vessel										
Sabine Pass, LA	1,346.6	1,335.9	<1%	1,475.0	1,240.7	19%	404	33	88%	0%
Corpus Christi, TX	678.2	689.2	-2%	753.3	712.2	6%	201	27	91%	0%
Cameron, LA	590.2	601.0	-2%	660.4	602.8	10%	202	26	92%	0%
Freeport, TX	533.8	301.0	77%	301.0	683.9	-56%	192	26	81%	5%
Cameron (Calcasieu Pass), LA	445.0	280.1	59%	317.8	0	-	139	23	92%	51%
Cove Point, MD	227.2	216.1	5%	245.9	234.2	5%	72	17	99%	0%
Elba Island, GA	97.8	99.1	-1%	108.4	84.4	28%	42	15	85%	0%
Total	3,918.8	3,522.3	11%	3,861.9	3,558.3	9%	1,252	36	89%	6%
LNG Exports by ISO Container										
Ft. Lauderdale, FL	1.0	1.9	-46%	2.1	1.1	80%	278	4	100%	0%
Miami, FL	<0.1	<0.1	-46%	<0.1	<0.1	13X	27	1	100%	0%
Jacksonville, FL	0	<0.1	-100%	<0.1	<0.1	-83%	-	0	0%	0%
Newark, NJ	0	<0.1	-100%	<0.1	0	-	-	0	0%	0%
Total	1.0	1.9	-46%	2.1	1.1	83%	305	4	100%	0%
Total LNG Exports	3,919.8	3,524.2	11%	3,864.0	3,559.4	9%	-	39	89%	6%

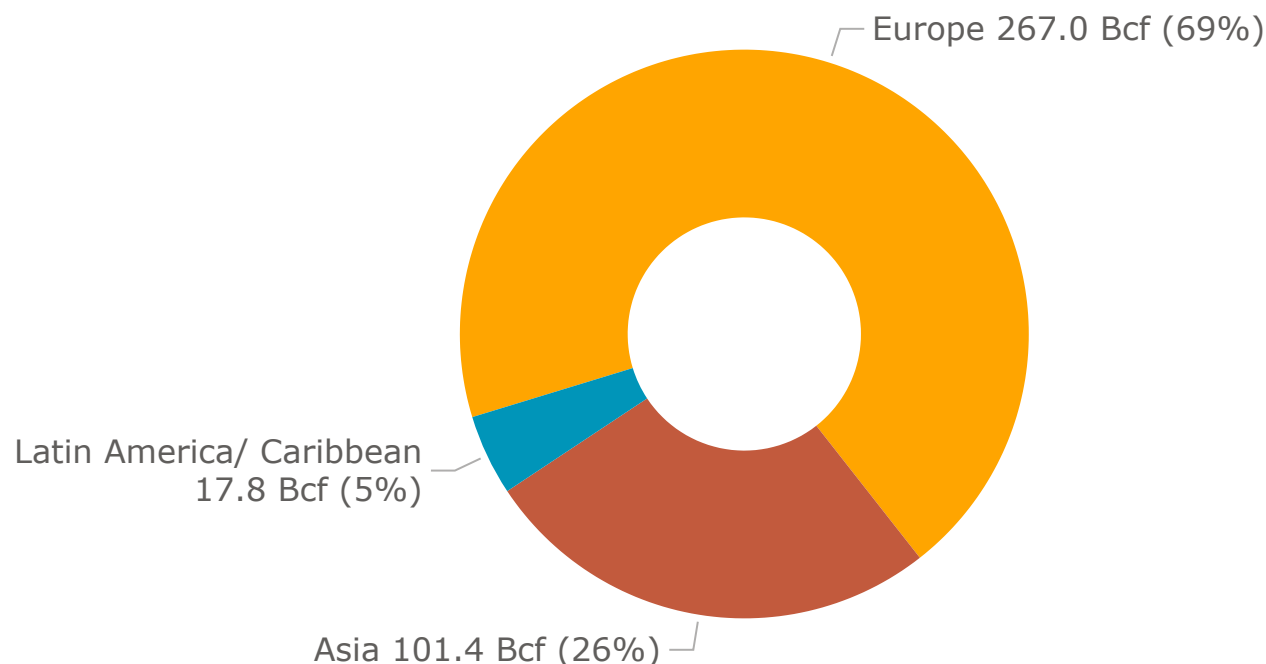
Notes

- Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).

U.S.-Produced LNG Exports

Monthly Summary

U.S.-Produced LNG Exports by Region of Destination (November 2023)



3a. Monthly Summary: U.S.-Produced LNG Exports by Mode of Transport and Region of Destination

Volume (Bcf)	Monthly			Percentage Change		No. of Cargos	No. of Countries	% nFTA	% Spot
	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022				
Region of Destination	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022	Nov 2023	Nov 2023	Nov 2023	Nov 2023
LNG Exports by Vessel									
Europe	267.0	256.3	228.4	4%	17%	84	12	100%	8%
Asia	101.4	105.2	70.0	-4%	45%	30	8	74%	7%
Latin America/ Caribbean	17.7	22.8	3.8	-22%	4X	10	5	21%	0%
Total	386.2	384.3	302.3	<1%	28%	124	25	90%	7%
LNG Exports by ISO Container									
Latin America/ Caribbean	<0.1	<0.1	0.2	-4%	-72%	29	4	100%	0%
Europe	0	0	<0.1	-	-100%	-	0	0%	0%
Total	<0.1	<0.1	0.2	-4%	-72%	29	4	100%	0%
Total LNG Exports	386.2	384.4	302.5	<1%	28%	-	28	90%	7%

Notes

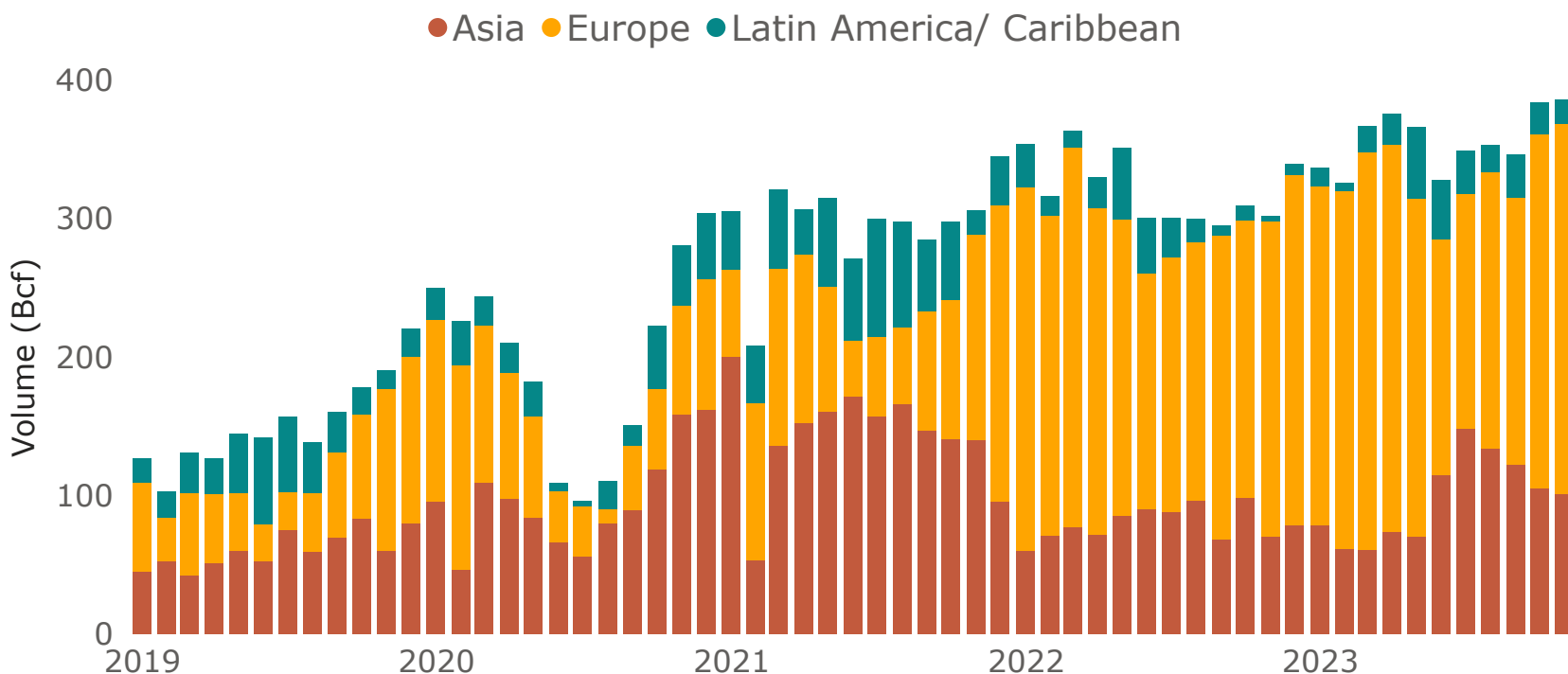
- Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).
- The world region classification is based on the United Nation standard country or area codes for statistical use (M49). For classification purposes, Turkiye is grouped into Europe.

U.S.-Produced LNG Exports

Year-to-Date and Annual Summary

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U.S.-Produced LNG Exports by Region of Destination



3b. Year-to-Date and Annual Summary: U.S.-Produced LNG Exports by Mode of Transport and Region of Destination

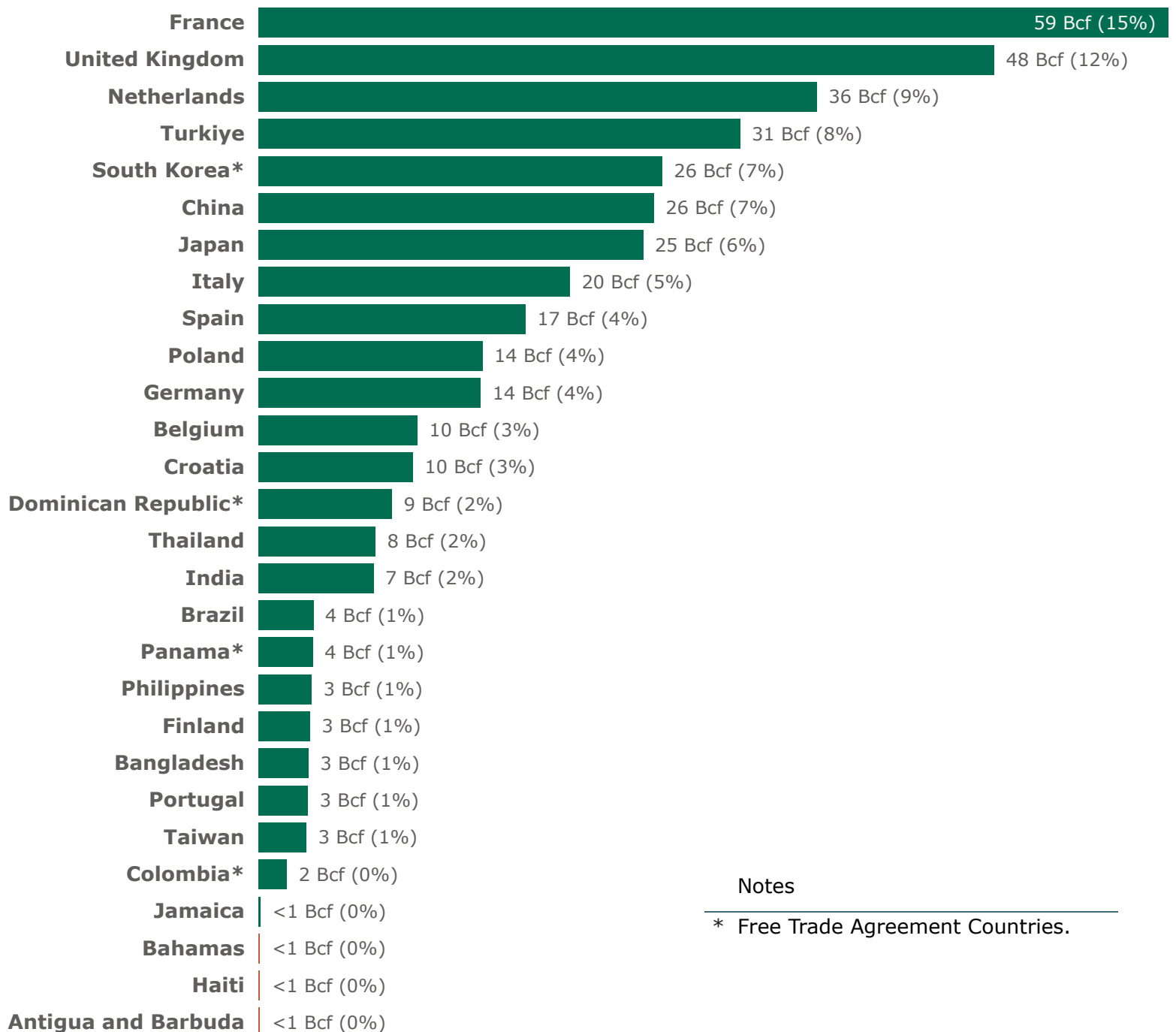
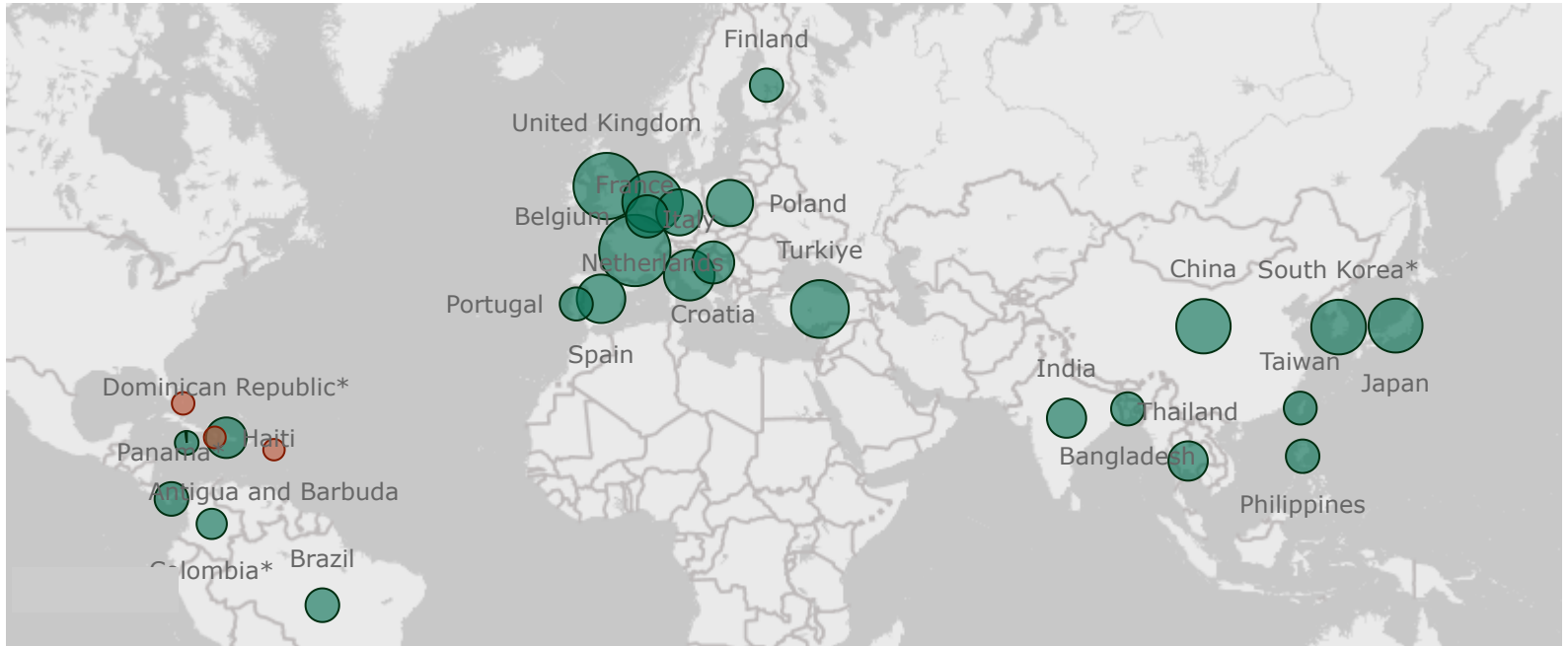
Volume (Bcf)	Year-to-Date (Jan-Nov)			Annual			No. of Cargos	No. of Countries	% nFTA	% Spot
	Region of Destination	YTD 2023	YTD 2022	% Change	2022	2021				
LNG Exports by Vessel										
Europe	2,570.8	2,409.1	7%	2,662.4	1,218.2	119%	797	15	100%	6%
Asia	1,072.2	877.3	22%	956.2	1,723.0	-45%	328	12	75%	6%
Latin America/ Caribbean	275.8	235.9	17%	243.3	617.1	-61%	127	9	43%	10%
Total	3,918.8	3,522.3	11%	3,861.9	3,558.3	9%	1,252	36	89%	6%
LNG Exports by ISO Container										
Latin America/ Caribbean	1.0	1.9	-46%	2.1	1.1	83%	305	4	100%	0%
Europe	0	<0.1	-100%	<0.1	0	-	-	0	0%	0%
Total	1.0	1.9	-46%	2.1	1.1	83%	305	4	100%	0%
Total LNG Exports	3,919.8	3,524.2	11%	3,864.0	3,559.4	9%	-	39	89%	6%

Notes

- Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).
- The world region classification is based on the United Nation standard country or area codes for statistical use (M49). For classification purposes, Turkiye is grouped into Europe.

4: U.S.-Produced LNG Exports by Country of Destination (November 2023)

● ISO Container ● Vessel



Notes

* Free Trade Agreement Countries.

U.S.-Produced LNG Exports

Monthly Summary

4a. Monthly Summary: U.S.-Produced LNG Exports by Mode of Transport and Country of Destination

Volume (Bcf)	Monthly			Percentage Change		No. of Cargos	% Spot
	Country of Destination	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023		
LNG Exports by Vessel							
France	58.9	53.6	50.7	10%	16%	23	6%
United Kingdom	47.6	25.4	76.7	87%	-38%	14	0%
Netherlands	36.2	49.7	20.6	-27%	75%	10	10%
Turkiye	31.2	4.5	31.4	6X	<1%	9	0%
South Korea*	26.1	28.2	14.1	-7%	86%	7	0%
China	25.6	18.0	17.3	42%	48%	9	1%
Japan	24.9	24.4	24.4	2%	2%	7	15%
Italy	20.2	6.8	3.2	194%	5X	6	54%
Spain	17.3	49.8	26.4	-65%	-35%	5	20%
Poland	14.5	14.2	3.5	2%	3X	4	0%
Germany	14.4	17.9	0	-20%	-	5	0%
Belgium	10.3	20.8	0	-50%	-	3	0%
Croatia	10.0	0	5.1	-	95%	3	0%
Dominican Republic*	8.6	8.8	0	-2%	-	3	0%
Thailand	7.6	7.5	0	<1%	-	2	0%
India	7.4	13.7	10.1	-46%	-27%	2	0%
Brazil	3.6	3.7	0	-4%	-	2	0%
Panama*	3.5	0	3.8	-	-8%	1	0%
Philippines	3.4	3.4	0	2%	-	1	100%
Finland	3.3	2.9	0	14%	-	1	0%
Bangladesh	3.2	0	0	-	-	1	0%
Portugal	3.2	7.1	3.7	-55%	-14%	1	0%
Taiwan	3.1	6.7	3.6	-54%	-14%	1	0%
Colombia*	1.8	6.7	0	-72%	-	3	0%
Jamaica	0.1	1.8	0	-93%	-	1	0%
Argentina	0	0	0	-	-	-	0%
Chile*	0	0	0	-	-	-	0%
El Salvador*	0	0	0	-	-	-	0%
Greece	0	0	0.4	-	-100%	-	0%
Indonesia	0	0	0.5	-	-100%	-	0%
Israel	0	0	0	-	-	-	0%
Jordan*	0	0	0	-	-	-	0%
Kuwait	0	0	0	-	-	-	0%
Lithuania	0	3.6	3.7	-100%	-100%	-	0%
Malta	0	0	2.9	-	-100%	-	0%
Mexico*	0	1.8	0	-100%	-	-	0%
Pakistan	0	0	0	-	-	-	0%
Singapore*	0	3.3	0	-100%	-	-	0%
Total	386.2	384.3	302.3	<1%	28%	124	7%
LNG Exports by ISO Container							
Bahamas	<0.1	<0.1	<0.1	<1%	-2%	17	0%
Haiti	<0.1	<0.1	0	<1%	-	4	0%
Antigua and Barbuda	<0.1	<0.1	<0.1	-37%	140%	5	0%
Jamaica	<0.1	<0.1	0.1	36%	-98%	3	0%
Barbados	0	0	<0.1	-	-100%	-	0%
Germany	0	0	<0.1	-	-100%	-	0%
Nicaragua*	0	0	0	-	-	-	0%
Total	<0.1	<0.1	0.2	-4%	-72%	29	0%
Total LNG Exports	386.2	384.4	302.5	<1%	28%	-	7%

Notes

- Totals may not equal sum of components because of independent rounding.
- not applicable(-).
- * Free Trade Agreement Countries.

U.S.-Produced LNG Exports

Year-to-Date and Annual Summary

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4b. Year-to-Date and Annual Summary: U.S.-Produced LNG Exports by Mode of Transport and Country of Destination

Volume (Bcf)	Year-to-Date (Jan-Nov)			Annual			No. of Cargos	% Spot
Country of Destination	YTD 2023	YTD 2022	% Change	2022	2021	% Change	YTD 2023	YTD 2023
LNG Exports by Vessel								
Netherlands	539.9	338.4	60%	378.3	174.3	117%	155	5%
France	448.7	533.1	-16%	571.4	170.8	235%	145	9%
United Kingdom	401.1	395.1	2%	464.5	195.0	138%	121	3%
Japan	275.6	188.7	46%	209.2	354.9	-41%	81	5%
Spain	253.6	392.8	-35%	426.7	215.1	98%	82	5%
South Korea*	240.6	268.0	-10%	292.7	453.5	-35%	72	1%
Germany	181.3	0	-	7.1	0	-	58	21%
Italy	175.8	109.0	61%	116.0	34.2	239%	52	10%
China	163.0	89.7	82%	96.7	453.3	-79%	56	9%
India	147.3	108.4	36%	122.5	196.2	-38%	42	9%
Poland	128.8	113.5	13%	127.4	56.3	126%	39	0%
Turkiye	114.6	174.1	-34%	192.1	188.8	2%	35	3%
Taiwan	97.4	97.5	<1%	106.7	99.3	7%	29	0%
Belgium	86.3	77.0	12%	80.2	5.6	13X	27	8%
Argentina	76.9	66.9	15%	66.9	83.4	-20%	-	15%
Dominican Republic*	70.6	44.2	60%	50.8	53.1	-4%	30	18%
Portugal	70.2	59.6	18%	69.6	65.9	6%	22	0%
Thailand	55.7	26.0	114%	26.0	14.5	79%	15	0%
Croatia	52.4	71.1	-26%	77.3	36.1	114%	16	0%
Lithuania	45.5	73.9	-38%	77.2	30.9	150%	-	0%
Finland	39.0	0	-	0.3	0	-	13	27%
Kuwait	35.2	57.0	-38%	57.0	34.5	65%	-	0%
Brazil	34.9	72.0	-52%	72.0	307.7	-77%	15	9%
Chile*	31.2	30.1	4%	30.1	121.9	-75%	-	0%
Greece	31.1	66.2	-53%	69.0	39.7	74%	-	1%
Colombia*	24.9	5.7	3X	5.7	2.2	154%	13	1%
Singapore*	23.3	23.0	1%	23.0	20.9	10%	-	13%
Bangladesh	20.9	12.7	65%	12.7	37.7	-66%	6	17%
Panama*	19.2	13.5	42%	13.8	8.4	63%	7	0%
Mexico*	10.0	3.3	204%	3.8	15.2	-75%	-	0%
Jamaica	8.1	0.1	62X	0.1	25.1	-99%	14	0%
Philippines	6.8	0	-	0	0	-	2	100%
Jordan*	3.3	0	-	0	0	-	-	0%
Indonesia	3.2	3.3	-5%	6.6	3.3	101%	-	17%
Malta	2.6	5.3	-51%	5.3	5.4	-3%	-	0%
El Salvador*	<0.1	0	-	0	0	-	-	0%
Israel	0	0	-	0	8.9	-100%	-	0%
Pakistan	0	3.1	-100%	3.1	45.8	-93%	-	0%
Total	3,918.8	3,522.3	11%	3,861.9	3,558.3	9%	1,252	6%
LNG Exports by ISO Container								
Bahamas	0.5	0.4	4%	0.5	0.5	<1%	171	0%
Jamaica	0.4	1.2	-66%	1.4	0.2	5X	50	0%
Haiti	0.1	0.1	-6%	0.1	0.1	-16%	36	0%
Antigua and Barbuda	<0.1	<0.1	99%	<0.1	<0.1	184%	48	0%
Barbados	0	<0.1	-100%	<0.1	0.3	-69%	-	0%
Germany	0	<0.1	-100%	<0.1	0	-	-	0%
Nicaragua*	0	0	-	0	<0.1	-100%	-	0%
Total	1.0	1.9	-46%	2.1	1.1	83%	305	0%
Total LNG Exports	3,919.8	3,524.2	11%	3,864.0	3,559.4	9%	-	6%

Notes

- Totals may not equal sum of components because of independent rounding.
- not applicable(-).
- * Free Trade Agreement Countries.

U.S.-Produced LNG Exports

Monthly series

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5a: U.S.-Produced LNG Exports by Region of Destination

Volume (Bcf)	2022	2023										
Region of Destination	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Exports by Vessel												
Asia	78.8	78.4	61.7	60.8	74.1	70.2	115.2	148.3	134.2	122.4	105.2	101.4
Europe	253.3	245.5	258.4	287.3	279.5	244.6	169.8	169.8	199.2	193.2	256.3	267.0
Latin America/Caribbean	7.4	12.9	5.8	18.5	22.0	51.8	42.7	31.1	19.6	30.8	22.8	17.7
Total	339.6	336.9	326.0	366.7	375.7	366.7	327.8	349.2	353.0	346.5	384.3	386.2
LNG Exports by ISO Container												
Europe	0	0	0	0	0	0	0	0	0	0	0	0
Latin America/Caribbean	0.2	0.2	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total	0.2	0.2	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total LNG Exports	339.8	337.0	326.2	366.8	375.8	366.7	327.8	349.3	353.0	346.6	384.4	386.2

5b: U.S.-Produced LNG Exports by Point of Exit

Volume (Bcf)	2022	2023										
Point of Exit	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Exports by Vessel												
Cameron (Calcasieu Pass), LA	37.8	42.8	45.0	38.1	39.7	41.8	29.9	38.7	35.7	39.0	47.9	46.5
Cameron, LA	59.4	62.1	55.9	61.9	54.8	38.9	52.2	49.8	50.1	49.4	59.5	55.7
Corpus Christi, TX	64.1	62.6	64.1	67.5	55.6	57.7	62.4	58.6	62.4	59.4	63.4	64.5
Cove Point, MD	29.8	20.8	19.4	27.8	18.8	26.3	23.3	19.9	21.9	17.5	10.7	20.9
Elba Island, GA	9.4	9.4	10.6	11.4	7.3	7.4	13.0	9.3	2.9	11.9	6.5	8.1
Freeport, TX	0	0	11.6	29.0	62.5	68.4	63.3	59.5	61.4	54.0	64.0	60.1
Sabine Pass, LA	139.2	139.2	119.5	131.0	137.0	126.2	83.7	113.3	118.5	115.4	132.4	130.4
Total	339.6	336.9	326.0	366.7	375.7	366.7	327.8	349.2	353.0	346.5	384.3	386.2
LNG Exports by ISO Container												
Ft. Lauderdale, FL	0.2	0.2	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Jacksonville, FL	0	0	0	0	0	0	0	0	0	0	0	0
Miami, FL	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Newark, NJ	0	0	0	0	0	0	0	0	0	0	0	0
Total	0.2	0.2	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total LNG Exports	339.8	337.0	326.2	366.8	375.8	366.7	327.8	349.3	353.0	346.6	384.4	386.2

Notes

- Totals may not equal sum of components because of independent rounding.
- The world region classification is based on the United Nation standard country or area codes for statistical use (M49). For classification purposes, Turkiye is grouped into Europe.

U.S.-Produced LNG Exports

Monthly series

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5c: U.S.-Produced LNG Exports by Country of Destination

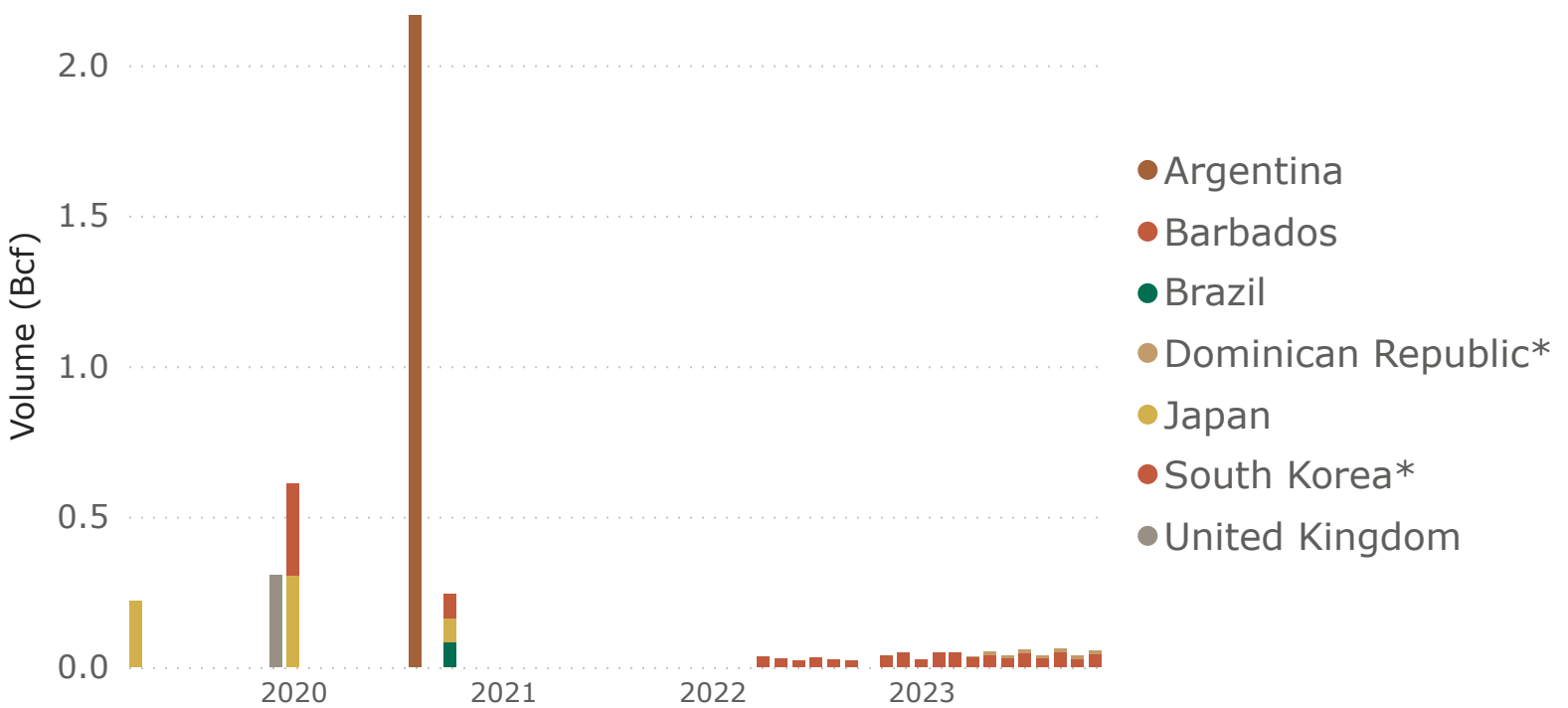
Volume (Bcf)	2022	2023										
Country of Destination	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Exports by Vessel												
Argentina	0	0	2.3	2.3	11.5	26.9	22.7	11.2	0	0	0	0
Bangladesh	0	3.4	0	0	0	3.6	3.6	0	7.1	0	0	3.2
Belgium	3.3	3.6	7.3	8.1	4.8	3.8	7.0	0	3.4	17.2	20.8	10.3
Brazil	0	0	0	1.3	3.6	4.2	8.6	0	3.3	6.6	3.7	3.6
Chile*	0	3.3	0	7.3	0	6.4	4.0	7.1	3.1	0	0	0
China	7.0	17.9	2.6	5.1	3.4	6.6	20.3	39.0	14.3	10.2	18.0	25.6
Colombia*	0	0	0	0	0	2.8	0	0	3.1	10.3	6.7	1.8
Croatia	6.2	2.9	6.0	3.7	3.2	2.9	0	10.1	3.0	10.5	0	10.0
Dominican Republic*	6.6	3.6	3.5	0.9	6.9	7.9	7.4	6.1	10.1	6.7	8.8	8.6
El Salvador*	0	0	0	0	0	0	0	<0.1	0	0	0	0
Finland	0.3	0	0	6.9	0	6.9	1.6	3.7	6.6	7.1	2.9	3.3
France	38.3	34.1	39.5	28.6	53.2	51.7	45.6	20.6	34.3	28.7	53.6	58.9
Germany	7.1	14.3	8.2	24.8	18.5	16.0	15.8	17.2	16.9	17.2	17.9	14.4
Greece	2.9	3.2	6.8	3.2	3.9	4.5	2.9	0	4.7	2.0	0	0
India	14.1	7.0	14.1	10.2	14.6	7.1	14.5	20.5	13.7	24.5	13.7	7.4
Indonesia	3.3	0.8	0	0	0	0	0	1.1	0.8	0.5	0	0
Italy	7.0	10.1	17.6	13.7	17.4	18.5	14.0	13.9	21.5	22.1	6.8	20.2
Jamaica	0	0	0	0.4	0	0.3	<0.1	1.4	<0.1	4.0	1.8	0.1
Japan	20.5	17.7	14.1	20.1	13.7	27.9	28.0	40.4	27.8	36.7	24.4	24.9
Jordan*	0	0	0	0	0	0	0	3.3	0	0	0	0
Kuwait	0	0	0	0	3.7	3.8	10.7	7.1	3.3	6.6	0	0
Lithuania	3.3	6.7	0	3.6	3.4	7.0	3.6	3.4	7.0	7.2	3.6	0
Malta	0	2.6	0	0	0	0	0	0	0	0	0	0
Mexico*	0.5	3.2	0	3.1	0	0	0	2.0	0	0	1.8	0
Netherlands	39.9	36.5	39.3	61.0	60.2	60.7	45.9	53.3	57.4	39.7	49.7	36.2
Panama*	0.2	2.7	0	3.2	0	3.3	0	3.3	0	3.2	0	3.5
Philippines	0	0	0	0	0	0	0	0	0	0	3.4	3.4
Poland	13.9	11.5	10.3	7.2	7.2	17.4	18.0	3.6	10.5	14.1	14.2	14.5
Portugal	10.0	6.8	6.1	6.1	4.2	10.4	3.2	9.8	6.7	6.4	7.1	3.2
Singapore*	0	0	0	0	0	0	10.0	0	3.4	6.6	3.3	0
South Korea*	24.7	24.5	22.7	10.8	24.7	11.0	17.0	16.5	34.9	24.1	28.2	26.1
Spain	33.8	14.0	32.1	38.1	13.7	12.3	12.3	34.1	20.0	9.9	49.8	17.3
Taiwan	9.2	3.5	6.6	10.3	9.8	10.3	6.8	13.1	14.1	13.2	6.7	3.1
Thailand	0	3.7	1.8	4.2	4.2	0	4.2	7.5	14.8	0	7.5	7.6
Turkiye	18.0	36.1	13.4	11.9	13.9	0	0	0	0	3.5	4.5	31.2
United Kingdom	69.3	63.0	71.7	70.5	75.8	32.4	0	0	7.1	7.5	25.4	47.6
Total	339.6	336.9	326.0	366.7	375.7	366.7	327.8	349.2	353.0	346.5	384.3	386.2
LNG Exports by ISO Container												
Antigua and Barbuda	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bahamas	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barbados	0	0	0	0	0	0	0	0	0	0	0	0
Germany	0	0	0	0	0	0	0	0	0	0	0	0
Haiti	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Jamaica	0.1	0.1	0.2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total	0.2	0.2	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total LNG Exports	339.8	337.0	326.2	366.8	375.8	366.7	327.8	349.3	353.0	346.6	384.4	386.2

Notes

- Totals may not equal sum of components because of independent rounding.

* Free Trade Agreement Countries.

U.S. LNG Re-Exports by Country of Destination



6: U.S. LNG Re-Exports by Country of Destination

Volume (Bcf)	2022	2023										
Country of Destination and Point of Exit	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Re-Exports by ISO Container												
Penuelas, PR												
Barbados	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ponce, PR												
Barbados	0	0	0	0	0	0	0	0	0	0	0	<0.1
San Juan, PR												
Dominican Republic*	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total LNG Re-Exports	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

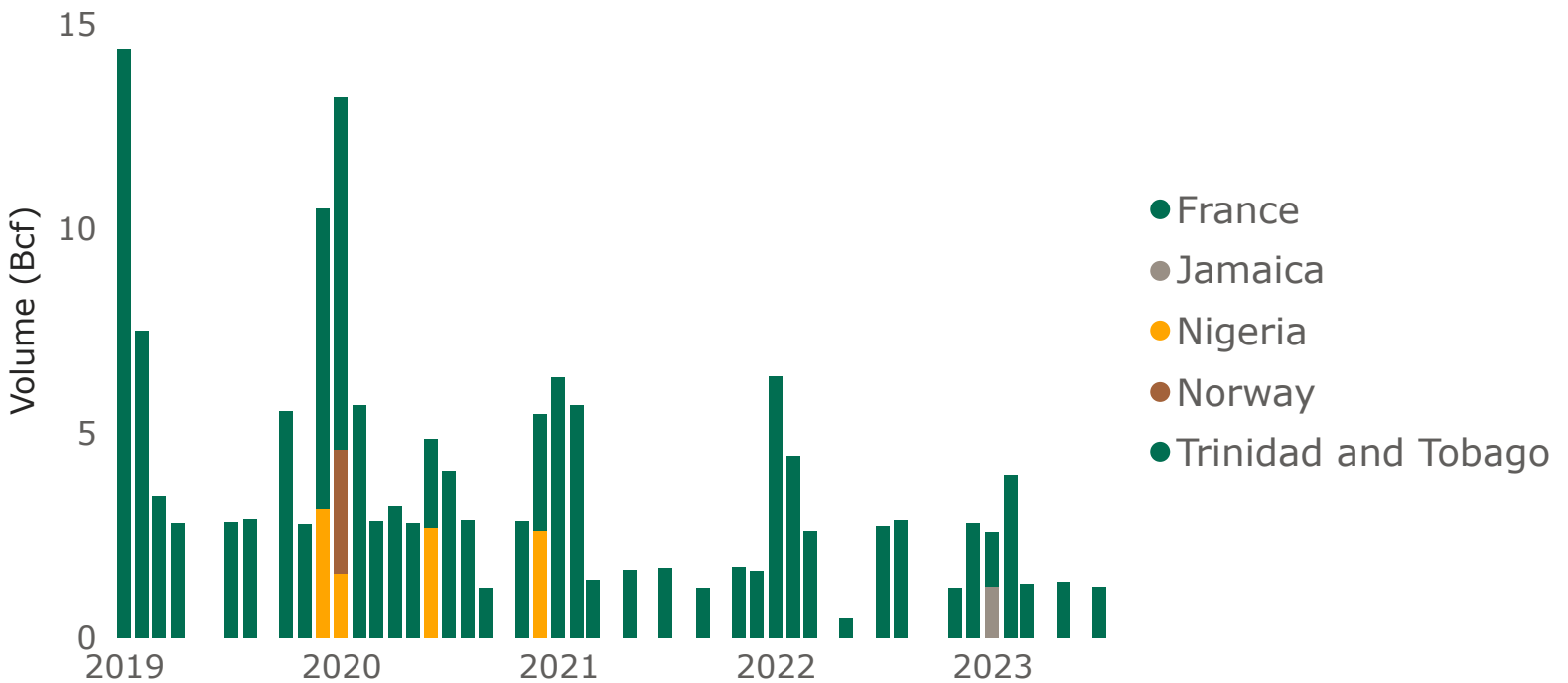
Notes

- LNG re-exports are exports of foreign-sourced LNG that was previously imported into the U.S.
- Totals may not equal sum of components because of independent rounding.
- * Free Trade Agreement Countries.

U.S. LNG Imports

Summary

U.S. LNG Imports by Country of Origin



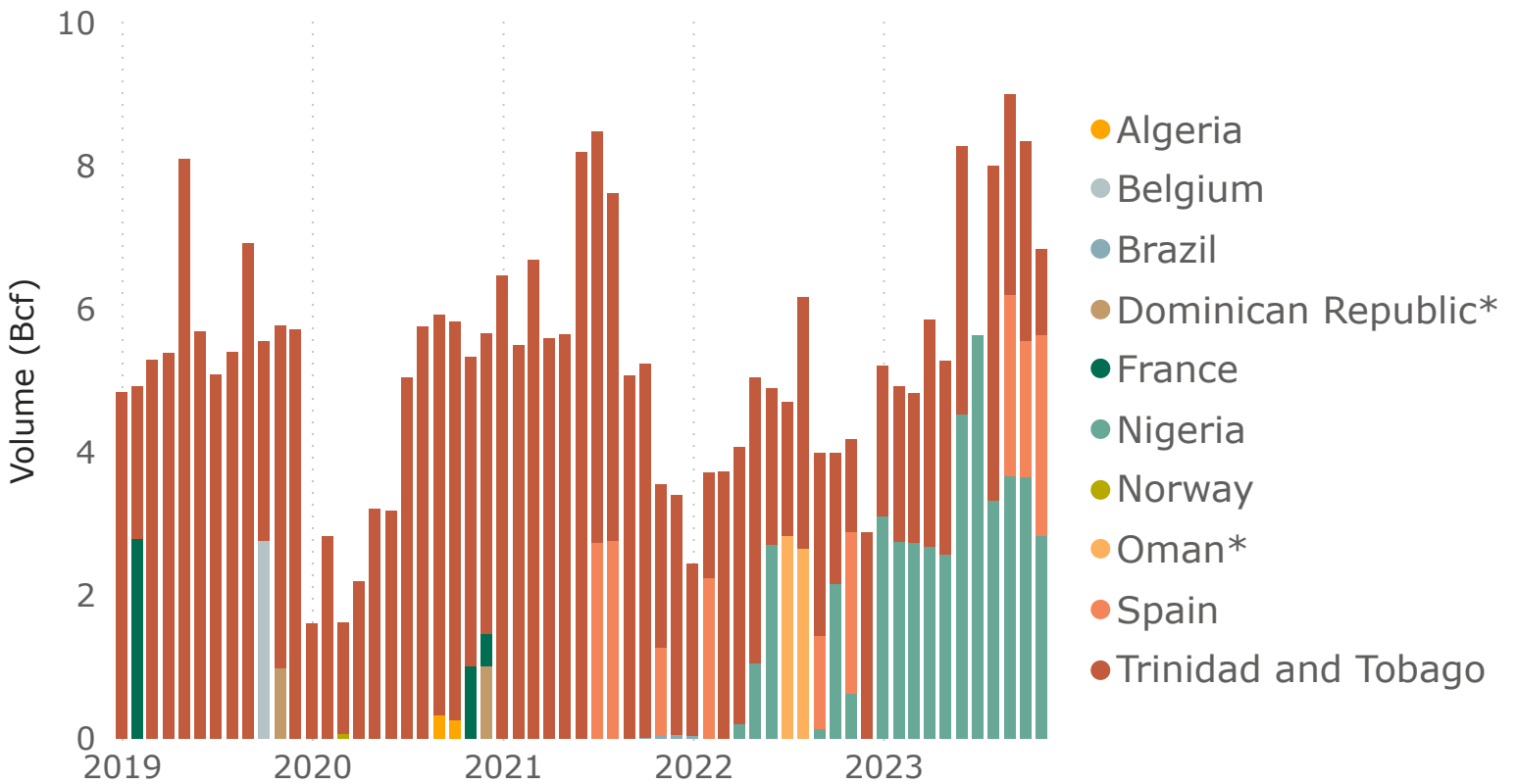
7: U.S. LNG Imports by Country of Origin and Point of Entry

Volume (Bcf)	2022		2023									
Country of Origin and Point of Entry	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Imports by Vessel												
Jamaica												
Everett, MA	0	1.3	0	0	0	0	0	0	0	0	0	0
Trinidad and Tobago												
Everett, MA	2.8	1.3	4.0	1.3	0	1.4	0	1.3	0	0	0	0
Total LNG Imports	2.8	2.6	4.0	1.3	0	1.4	0	1.3	0	0	0	0

Notes

- Totals may not equal sum of components because of independent rounding.
- * Free Trade Agreement Countries.

Puerto Rico LNG Imports by Country of Origin



8: Puerto Rico LNG Imports by Country of Origin

Volume (Bcf)	2022		2023									
Country of Origin	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Imports by Vessel												
Nigeria	0	3.1	2.8	2.7	2.7	2.6	4.5	5.6	3.3	3.7	3.7	2.8
Trinidad and Tobago	2.9	2.1	2.2	2.1	3.2	2.7	3.7	0	4.7	2.8	2.8	1.2
Spain	0	0	0	0	0	0	0	0	0	2.5	1.9	2.8
Total LNG Imports	2.9	5.2	4.9	4.8	5.9	5.3	8.3	5.6	8.0	9.0	8.4	6.8

Notes

- Totals may not equal sum of components because of independent rounding.

* Free Trade Agreement Countries.

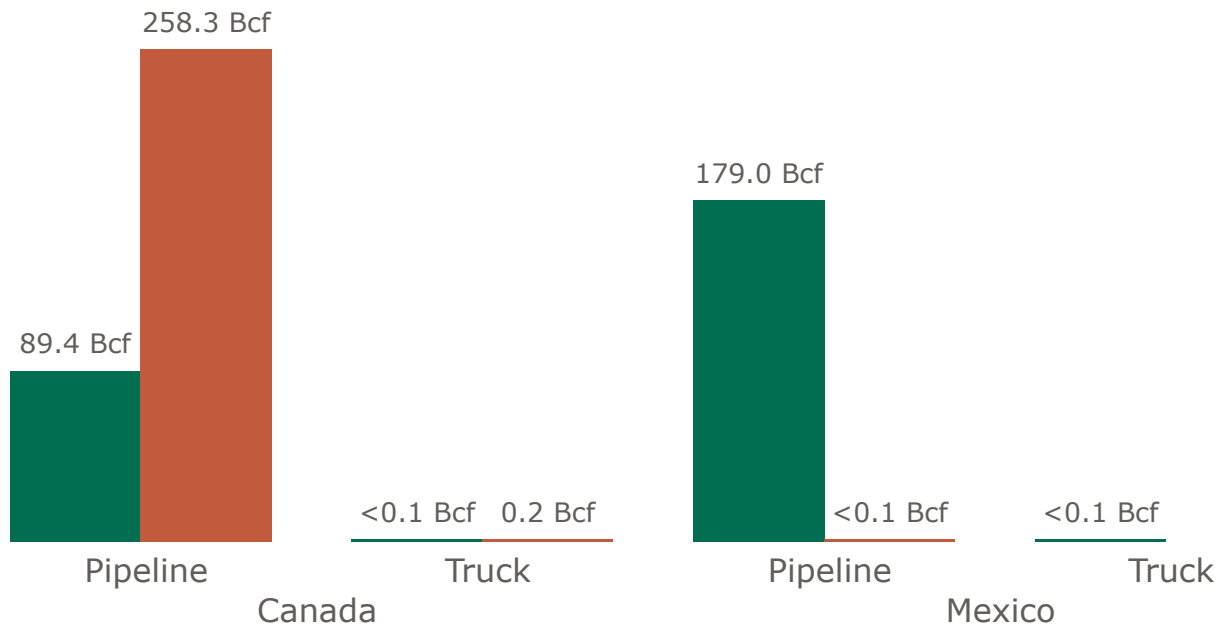
U.S. Natural Gas Imports & Exports by Pipeline and Truck Summary

U.S. Natural Gas Imports & Exports by Pipeline & Truck

Monthly Summary

U.S. Natural Gas Imports & Exports by Pipeline & Truck (November 2023)

● Exports ● Imports



9a. Monthly Summary: U.S. Natural Gas Imports & Exports by Pipeline & Truck

Volume (Bcf)	Monthly			Percentage Change		
	Mode of Transport	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
Mexico						
Exports						
Pipeline	179.0	200.5	161.0		-11%	11%
Truck	<0.1	<0.1	0.2		-30%	-88%
Total	179.0	200.5	161.1		-11%	11%
Imports						
Pipeline	<0.1	<0.1	<0.1		-10%	-5%
Truck	0	0	0		-	-
Total	<0.1	<0.1	<0.1		-10%	-5%
Net Exports	179.0	200.5	161.1		-11%	11%
Canada						
Exports						
Pipeline	89.4	66.9	91.4		34%	-2%
Truck	<0.1	0	<0.1		-	92X
Total	89.5	66.9	91.4		34%	-2%
Imports						
Pipeline	258.3	239.0	253.4		8%	2%
Truck	0.2	0.2	0.2		-30%	-17%
Total	258.5	239.3	253.6		8%	2%
Net Exports	-169.0	-172.3	-162.2		2%	-4%
Total Net Exports	10.0	28.1	-1.1		-64%	10X

Notes

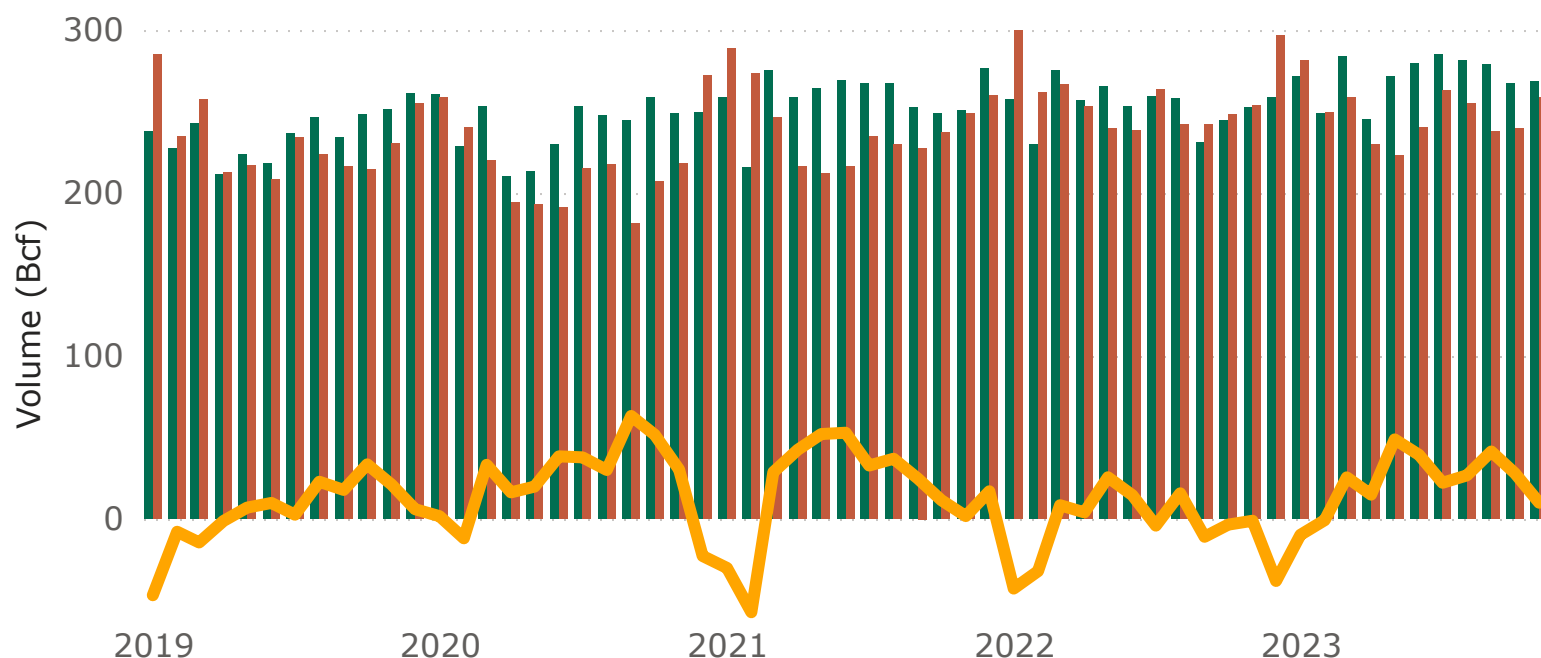
- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).

U.S. Natural Gas Imports & Exports by Pipeline & Truck

Year-to-Date and Annual Summary

U.S. Natural Gas Imports & Exports by Pipeline & Truck

● Exports ● Imports ● Net Exports



9b. Year-to-Date and Annual Summary: U.S. Natural Gas Imports & Exports by Pipeline & Truck

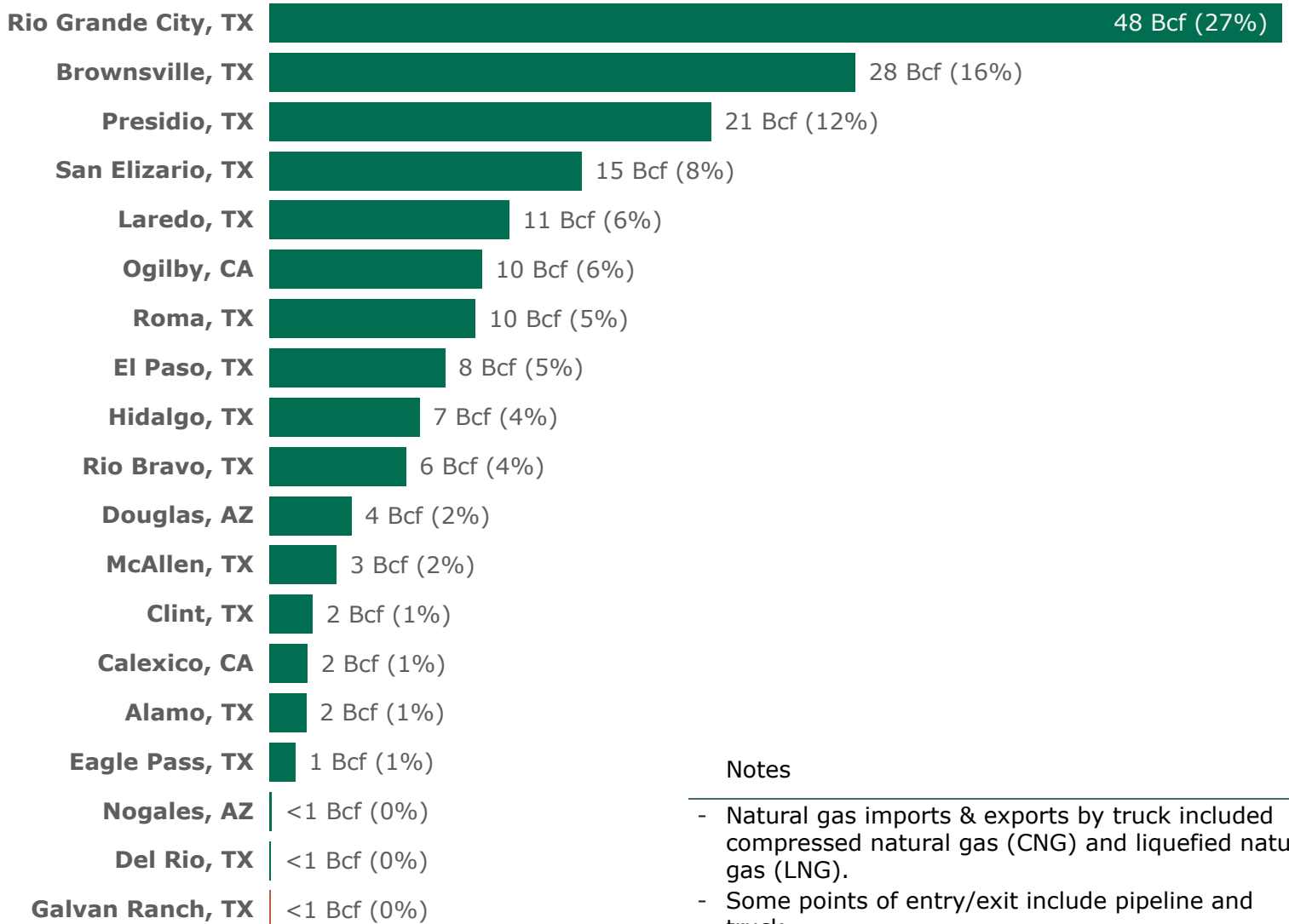
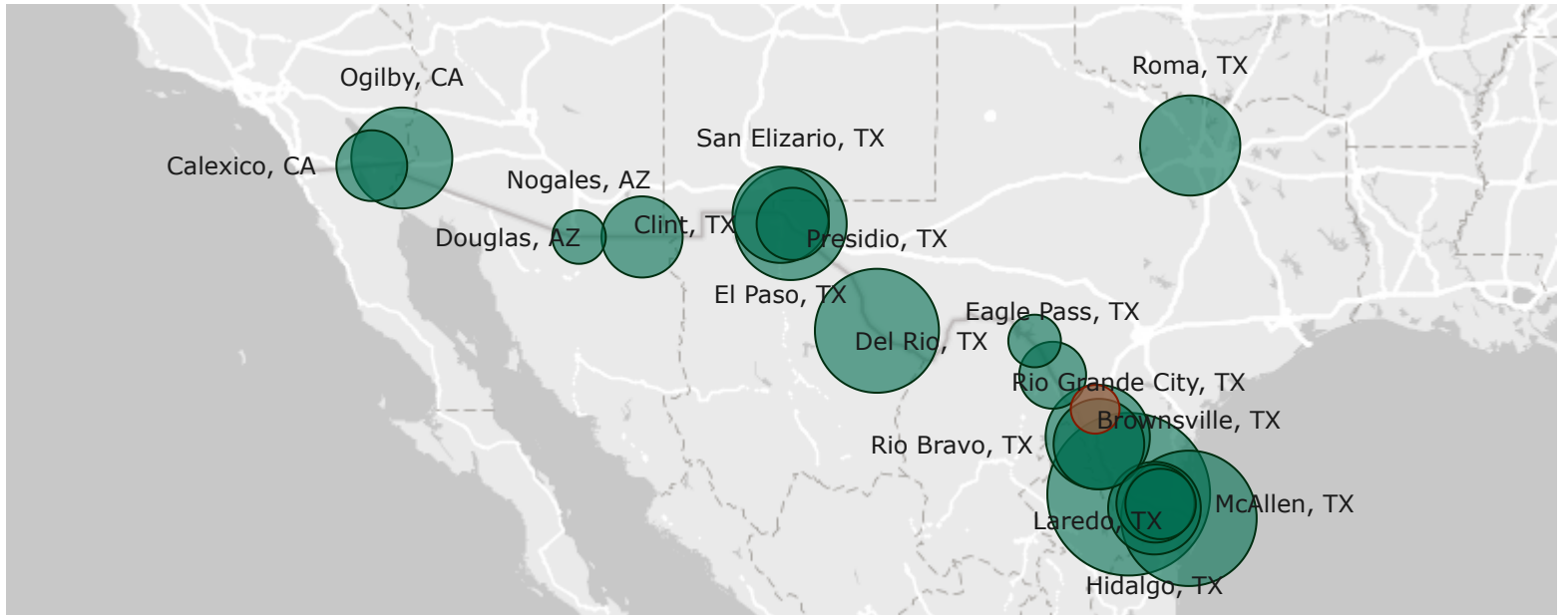
Volume (Bcf)	Year-to-Date (Jan-Nov)			Annual		
Mode of Transport	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Mexico						
Exports						
Pipeline	2,067.0	1,920.0	8%	2,078.6	2,154.5	-4%
Truck	0.6	1.4	-59%	1.6	1.2	24%
Total	2,067.5	1,921.4	8%	2,080.2	2,155.7	-4%
Imports						
Pipeline	1.0	0.9	5%	1.1	1.7	-38%
Truck	0	0	-	0	0	-
Total	1.0	0.9	5%	1.1	1.7	-38%
Net Exports	2,066.6	1,920.5	8%	2,079.1	2,154.0	-3%
Canada						
Exports						
Pipeline	914.2	862.2	6%	962.2	948.9	1%
Truck	<0.1	<0.1	12%	<0.1	0.3	-77%
Total	914.3	862.2	6%	962.2	949.2	1%
Imports						
Pipeline	2,731.8	2,806.4	-3%	3,102.9	2,888.7	7%
Truck	2.3	1.9	19%	2.1	0.5	296%
Total	2,734.1	2,808.4	-3%	3,105.0	2,889.3	7%
Net Exports	-1,819.8	-1,946.1	6%	-2,142.8	-1,940.1	-10%
Total Net Exports	246.8	-25.7	11X	-63.7	213.9	-130%

Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).

10: U.S. Natural Gas Imports & Exports by Pipeline & Truck with Mexico by Point of Entry/Exit (November 2023)

● Exports ● Imports



Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- Some points of entry/exit include pipeline and truck.

U.S. Natural Gas Imports & Exports by Pipeline & Truck with Mexico

Monthly Summary

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10a. Monthly Summary: U.S. Natural Gas Imports & Exports by Pipeline & Truck with Mexico by Point of Entry/Exit

Volume (Bcf) Point of Entry/Exit	Monthly			Percentage Change	
	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
Exports to Mexico					
Rio Grande City, TX	48.1	48.7	48.8	-1%	-1%
Brownsville, TX	27.8	33.6	26.3	-17%	6%
Presidio, TX	21.0	23.9	16.9	-12%	24%
San Elizario, TX	14.8	18.9	10.6	-22%	39%
Laredo, TX	11.4	12.4	7.6	-9%	49%
Ogilby, CA	10.1	12.9	9.1	-22%	11%
Roma, TX	9.8	10.9	10.3	-10%	-5%
El Paso, TX	8.3	8.8	6.9	-6%	21%
Hidalgo, TX	7.1	7.3	5.5	-2%	29%
Rio Bravo, TX	6.5	8.5	6.6	-24%	-2%
Douglas, AZ	3.9	3.7	3.7	4%	5%
McAllen, TX	3.2	3.3	2.6	-3%	22%
Clint, TX	2.1	2.1	1.9	-2%	8%
Calexico, CA	1.8	1.9	2.0	-6%	-9%
Alamo, TX	1.7	2.0	0.9	-11%	97%
Eagle Pass, TX	1.2	1.3	1.0	-6%	26%
Nogales, AZ	0.1	<0.1	<0.1	6%	73%
Del Rio, TX	<0.1	<0.1	<0.1	-2%	70%
Otay Mesa, CA	0	0	0	-	-
Sasabe, AZ	0	0	0.3	-	-100%
Total	179.0	200.5	161.1	-11%	11%
Imports from Mexico					
Galvan Ranch, TX	<0.1	<0.1	<0.1	-10%	-5%
Ogilby, CA	0	0	0	-	-
Otay Mesa, CA	0	0	<0.1	-	-100%
Rio Grande City, TX	0	0	0	-	-
Total	<0.1	<0.1	<0.1	-10%	-5%
Net Exports to Mexico	179.0	200.5	161.1	-11%	11%

Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).
- Some points of entry/exit include pipeline and truck.

U.S. Natural Gas Imports & Exports by Pipeline & Truck with Mexico

Year-to-Date and Annual Summary

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10b. Year-to-Date and Annual Summary: U.S. Natural Gas Imports & Exports by Pipeline & Truck with Mexico by Point of Entry/Exit

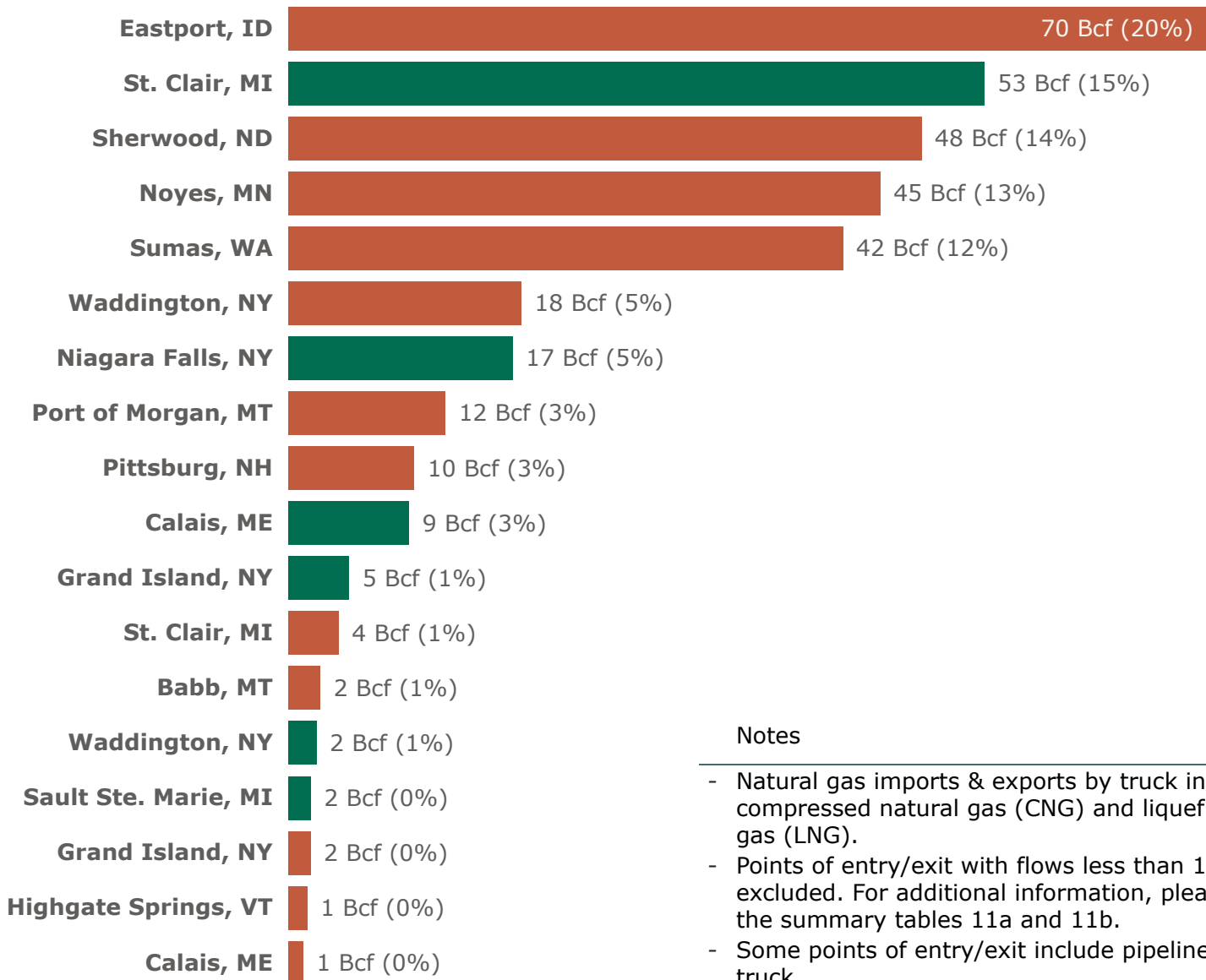
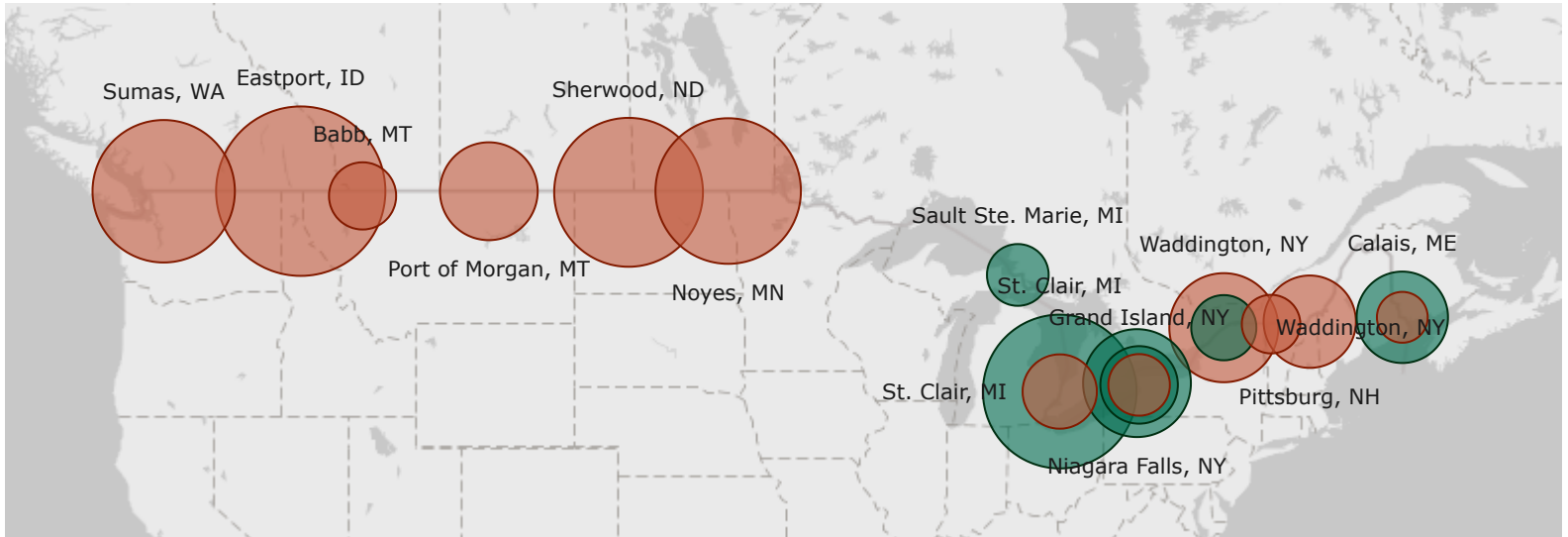
Volume (Bcf)	Year-to-Date (Jan-Nov)			Annual		
	Point of Entry/Exit	YTD 2023	YTD 2022	% Change	2022	2021
Exports to Mexico						
Rio Grande City, TX	532.4	500.0	6%	547.4	541.5	1%
Brownsville, TX	340.6	307.6	11%	329.0	325.9	<1%
Presidio, TX	258.3	208.5	24%	225.5	219.9	3%
San Elizario, TX	199.5	153.4	30%	167.7	100.7	67%
Laredo, TX	121.5	105.3	15%	114.9	103.1	11%
Roma, TX	115.5	131.1	-12%	141.8	165.4	-14%
Ogilby, CA	110.2	112.7	-2%	121.9	127.5	-4%
El Paso, TX	84.3	86.5	-2%	94.0	97.9	-4%
Rio Bravo, TX	80.3	70.1	15%	75.4	63.2	19%
Hidalgo, TX	75.0	67.9	11%	73.3	126.2	-42%
Douglas, AZ	42.9	46.9	-9%	49.7	54.3	-9%
McAllen, TX	33.5	44.3	-24%	46.5	68.1	-32%
Clint, TX	24.0	25.7	-7%	27.5	32.2	-14%
Calexico, CA	21.1	22.9	-8%	24.6	24.1	2%
Alamo, TX	14.4	24.1	-40%	25.1	64.0	-61%
Eagle Pass, TX	11.8	10.8	9%	11.7	9.7	21%
Nogales, AZ	0.8	0.6	39%	0.7	0.6	12%
Sasabe, AZ	0.8	2.6	-69%	3.0	30.8	-90%
Del Rio, TX	0.6	0.4	44%	0.5	0.4	11%
Otay Mesa, CA	0	0	-	0	0.2	-100%
Total	2,067.5	1,921.4	8%	2,080.2	2,155.7	-4%
Imports from Mexico						
Otay Mesa, CA	0.7	0.6	26%	0.7	0.7	2%
Galvan Ranch, TX	0.2	0.3	-6%	0.3	0.3	-7%
Ogilby, CA	0	<0.1	-100%	<0.1	0.7	-88%
Rio Grande City, TX	0	0	-	0	<0.1	-100%
Total	1.0	0.9	5%	1.1	1.7	-38%
Net Exports to Mexico	2,066.6	1,920.5	8%	2,079.1	2,154.0	-3%

Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).
- Some points of entry/exit include pipeline and truck.

11: U.S. Natural Gas Imports & Exports by Pipeline & Truck with Canada by Point of Entry/Exit (November 2023)

● Exports ● Imports



Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- Points of entry/exit with flows less than 1Bcf are excluded. For additional information, please go to the summary tables 11a and 11b.
- Some points of entry/exit include pipeline and truck.

U.S. Natural Gas Imports & Exports by Pipeline & Truck with Canada

Monthly Summary

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11a. Monthly Summary: U.S. Natural Gas Imports & Exports by Pipeline & Truck with Canada by Point of Entry/Exit

Volume (Bcf) Point of Entry/Exit	Monthly			Percentage Change	
	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
Imports from Canada					
Eastport, ID	70.3	68.6	80.3	2%	-12%
Sherwood, ND	48.4	45.6	50.6	6%	-4%
Noyes, MN	45.3	36.5	35.2	24%	29%
Sumas, WA	42.4	35.5	36.8	19%	15%
Waddington, NY	17.8	2.5	14.4	6X	23%
Port of Morgan, MT	12.0	13.8	14.7	-13%	-18%
Pittsburg, NH	9.6	7.0	8.1	37%	19%
St. Clair, MI	3.8	21.3	5.6	-82%	-32%
Babb, MT	2.4	3.4	2.3	-27%	4%
Grand Island, NY	1.7	2.4	0.6	-28%	191%
Highgate Springs, VT	1.4	1.0	1.3	40%	12%
Calais, ME	1.1	0.7	0.7	53%	51%
Detroit, MI	0.9	0	1.7	-	-48%
Warroad, MN	0.4	0.3	0.4	42%	<1%
Champlain, NY	0.4	0.3	0.3	46%	22%
Massena, NY	0.3	<0.1	0.3	3X	<1%
Whitlash, MT	0.2	0.2	0.2	-5%	-4%
Jackman, ME	<0.1	<0.1	<0.1	3X	-59%
Houlton, ME	<0.1	<0.1	<0.1	-18%	-28%
Alcan, Ak	<0.1	<0.1	<0.1	39%	265%
Blaine, WA	<0.1	<0.1	<0.1	-42%	17%
Portal, ND	<0.1	<0.1	<0.1	70%	-33%
Buffalo, NY	0	0	0	-	-
Marysville, MI	0	0	0	-	-
Niagara Falls, NY	0	<0.1	0	-100%	-
North Troy, VT	0	0	0	-	-
Sault Ste. Marie, MI	0	0	0	-	-
Sweetgrass, MT	0	<0.1	0	-100%	-
Total	258.5	239.3	253.6	8%	2%
Exports to Canada					
St. Clair, MI	53.2	32.4	53.4	64%	<1%
Niagara Falls, NY	17.1	16.5	16.5	4%	4%
Calais, ME	9.2	7.7	7.7	20%	20%
Grand Island, NY	4.6	7.1	6.0	-35%	-22%
Waddington, NY	2.1	0.9	1.6	134%	31%
Sault Ste. Marie, MI	1.7	1.5	1.4	15%	19%
Detroit, MI	0.9	0	2.5	-	-63%
Noyes, MN	0.2	0.2	0.3	-8%	-26%
Sumas, WA	0.1	0.5	1.6	-74%	-92%
Marysville, MI	<0.1	0	0.3	-	-84%
Portal, ND	<0.1	<0.1	<0.1	-26%	-44%
Sweetgrass, MT	<0.1	<0.1	<0.1	73%	4X
Pittsburg, NH	<0.1	<0.1	<0.1	-94%	-97%
Buffalo, NY	0	0	0	-	-
Champlain, NY	0	0	0	-	-
Eastport, ID	0	0	0	-	-
Massena, NY	0	0	0	-	-
Total	89.5	66.9	91.4	34%	-2%
Net Exports to Canada	-169.0	-172.3	-162.2	2%	-4%

Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).
- Some points of entry/exit include pipeline and truck.

U.S. Natural Gas Imports & Exports by Pipeline & Truck with Canada

Year-to-Date and Annual Summary

11b. Year-to-Date and Annual Summary: U.S. Natural Gas Imports & Exports by Pipeline & Truck with Canada by Point of Entry/Exit

Volume (Bcf)	Year-to-Date (Jan-Nov)			Annual		
	Point of Entry/Exit	YTD 2023	YTD 2022	% Change	2022	2021
Imports from Canada						
Eastport, ID	829.3	816.1	2%	897.5	853.3	5%
Sherwood, ND	513.7	539.1	-5%	591.6	547.9	8%
Sumas, WA	414.3	375.1	10%	415.2	392.4	6%
Noyes, MN	407.1	411.1	<1%	451.8	374.5	21%
Port of Morgan, MT	148.5	235.1	-37%	261.5	258.4	1%
Waddington, NY	116.7	156.8	-26%	180.3	166.7	8%
Pittsburg, NH	100.6	101.6	-1%	112.5	109.2	3%
St. Clair, MI	95.2	58.3	63%	65.2	37.6	73%
Babb, MT	35.1	31.0	13%	34.4	31.1	10%
Grand Island, NY	19.6	23.5	-17%	25.5	26.6	-4%
Calais, ME	14.2	18.7	-24%	21.0	46.5	-55%
Detroit, MI	13.5	16.7	-19%	18.4	18.5	<1%
Highgate Springs, VT	12.5	13.1	-5%	14.7	13.4	10%
Champlain, NY	5.2	2.8	83%	3.4	2.9	18%
Warroad, MN	3.5	3.6	-2%	4.1	4.0	3%
Massena, NY	2.3	2.7	-14%	3.2	3.1	<1%
Whitlash, MT	1.9	2.0	-6%	2.2	2.5	-13%
Houlton, ME	0.3	0.3	-8%	0.4	0.2	73%
Jackman, ME	0.2	0.2	-13%	0.4	<0.1	288%
Blaine, WA	0.1	<0.1	30%	<0.1	0.1	-33%
Niagara Falls, NY	<0.1	0.3	-65%	1.8	0.2	10X
Alcan, Ak	<0.1	<0.1	145%	<0.1	0	-
Sweetgrass, MT	<0.1	<0.1	15X	<0.1	<0.1	91%
Portal, ND	<0.1	<0.1	-9%	<0.1	<0.1	33%
Buffalo, NY	<0.1	<0.1	17X	<0.1	<0.1	267%
Marysville, MI	0	<0.1	-100%	<0.1	0	-
North Troy, VT	0	<0.1	-100%	<0.1	0	-
Sault Ste. Marie, MI	0	0	-	0	<0.1	-100%
Total	2,734.1	2,808.4	-3%	3,105.0	2,889.3	7%
Exports to Canada						
St. Clair, MI	504.3	498.1	1%	558.8	509.9	10%
Niagara Falls, NY	184.1	164.2	12%	181.3	195.6	-7%
Calais, ME	97.4	89.3	9%	97.5	118.6	-18%
Grand Island, NY	67.3	58.8	15%	63.3	59.4	7%
Waddington, NY	19.3	7.4	161%	10.1	12.8	-21%
Detroit, MI	15.8	17.6	-10%	19.8	20.9	-5%
Sault Ste. Marie, MI	15.5	14.4	8%	16.0	15.5	3%
Sumas, WA	4.2	4.8	-12%	6.8	11.0	-38%
Noyes, MN	3.3	4.7	-31%	5.0	3.2	56%
Marysville, MI	2.5	2.4	4%	2.9	0.9	218%
Portal, ND	0.5	0.6	-26%	0.7	1.0	-36%
Pittsburg, NH	0.1	<0.1	3X	<0.1	0.1	-71%
Champlain, NY	<0.1	0	-	0	0	-
Buffalo, NY	<0.1	0	-	0	0	-
Sweetgrass, MT	<0.1	<0.1	-39%	<0.1	0	-
Eastport, ID	0	0	-	0	<0.1	-100%
Massena, NY	0	0	-	0	0.3	-100%
Total	914.3	862.2	6%	962.2	949.2	1%
Net Exports to Canada	-1,819.8	-1,946.1	6%	-2,142.8	-1,940.1	-10%

Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).
- Some points of entry/exit include pipeline and truck.

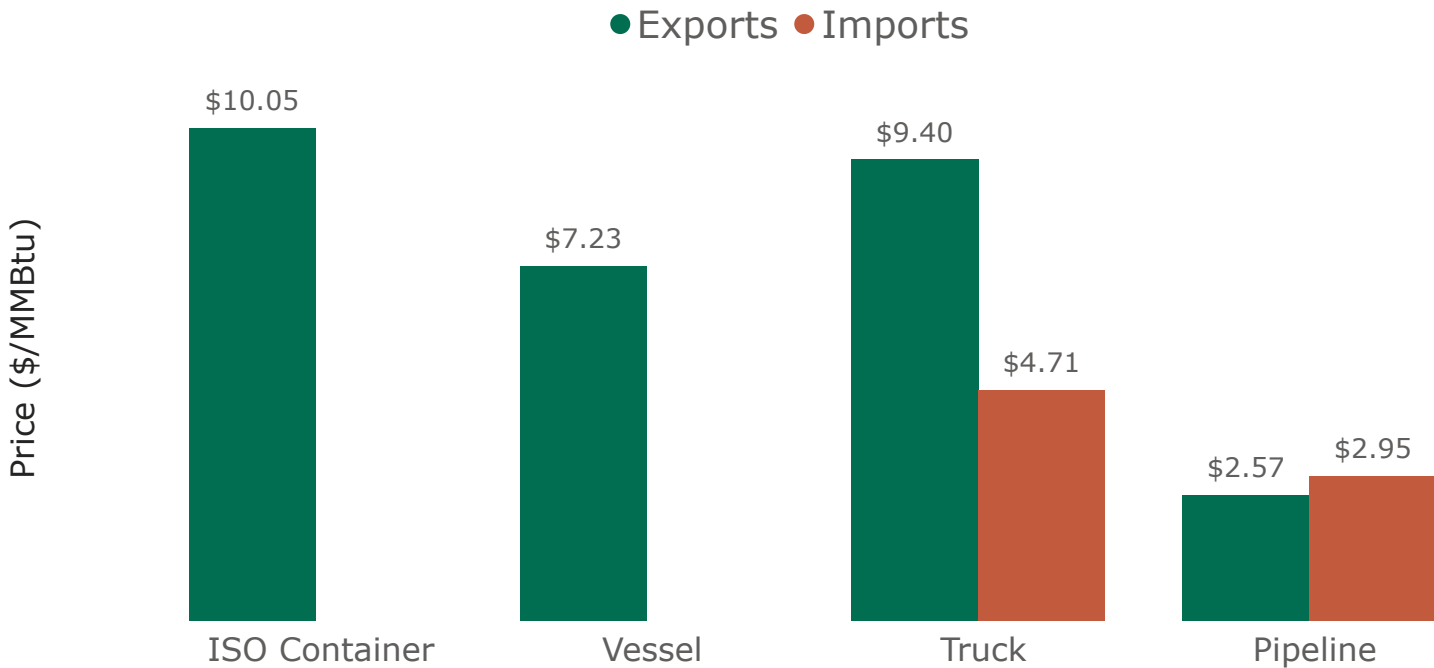
U.S. Natural Gas Import & Export Prices

U.S. Natural Gas Import & Export Prices

Monthly Summary

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U.S. Natural Gas Import & Export Prices by Mode of Transport (November 2023)



12a. Monthly Summary: U.S. Natural Gas Import & Export Prices by Mode of Transport

Activity	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
Exports					
LNG by Vessel	\$7.23	\$6.81	\$11.24	6%	-36%
Pipeline	\$2.57	\$2.43	\$4.90	5%	-48%
Truck	\$9.40	\$6.92	\$11.46	26%	-18%
LNG by ISO Container	\$10.05	\$10.06	\$10.05	<1%	<1%
Average Price	\$5.32	\$5.01	\$8.36	6%	-36%
Imports					
LNG by Vessel	-	-	\$41.57	-	-
Pipeline	\$2.95	\$2.30	\$5.46	22%	-46%
Truck	\$4.71	\$4.36	\$7.25	7%	-35%
LNG by ISO Container	-	-	-	-	-
Average Price	\$2.95	\$2.30	\$5.64	22%	-48%

Notes

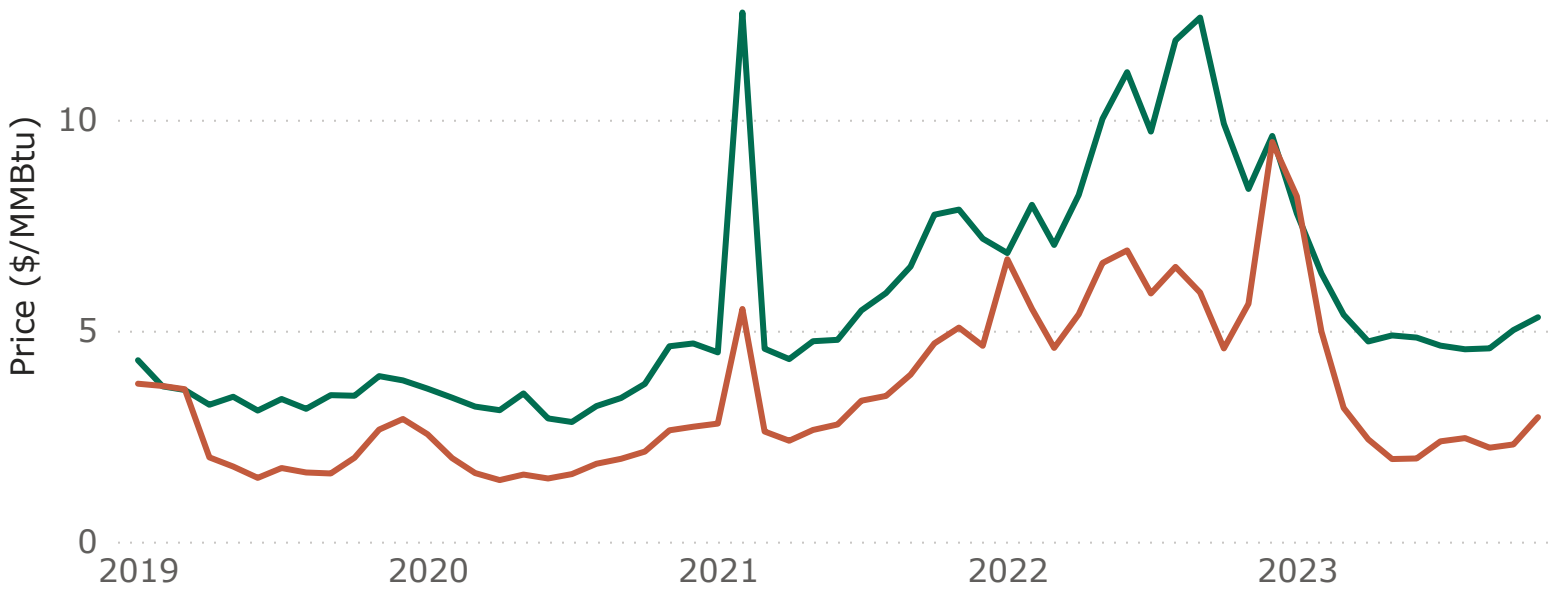
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- LNG import prices are landed and include the price of the LNG, the transportation cost to the U.S. terminal, and the cost of offloading the LNG but do not include the cost of regasification.
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).

U.S. Natural Gas Import & Export Prices

Year-to-Date and Annual Summary

U.S. Natural Gas Import & Export Prices

● Exports ● Imports



12b. Year-to-Date and Annual Summary: U.S. Natural Gas Import & Export Prices by Mode of Transport

Price (\$/MMBtu)	Year-to-Date (Jan-Nov)			Annual		
Activity	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Exports						
LNG by Vessel	\$7.35	\$11.75	-37%	\$11.79	\$7.34	61%
Pipeline	\$2.53	\$6.30	-60%	\$6.30	\$4.92	28%
Truck	\$8.93	\$13.05	-32%	\$12.92	\$10.15	27%
LNG by ISO Container	\$10.02	\$10.02	<1%	\$10.02	\$10.01	<1%
Average Price	\$5.27	\$9.35	-44%	\$9.37	\$6.21	51%
Imports						
LNG by Vessel	\$22.35	\$27.40	-18%	\$28.55	\$11.65	145%
Pipeline	\$3.19	\$5.68	-44%	\$6.01	\$3.64	65%
Truck	\$5.02	\$8.37	-40%	\$8.66	\$6.30	38%
LNG by ISO Container	-	-	-	-	-	-
Average Price	\$3.27	\$5.84	-44%	\$6.19	\$3.70	67%

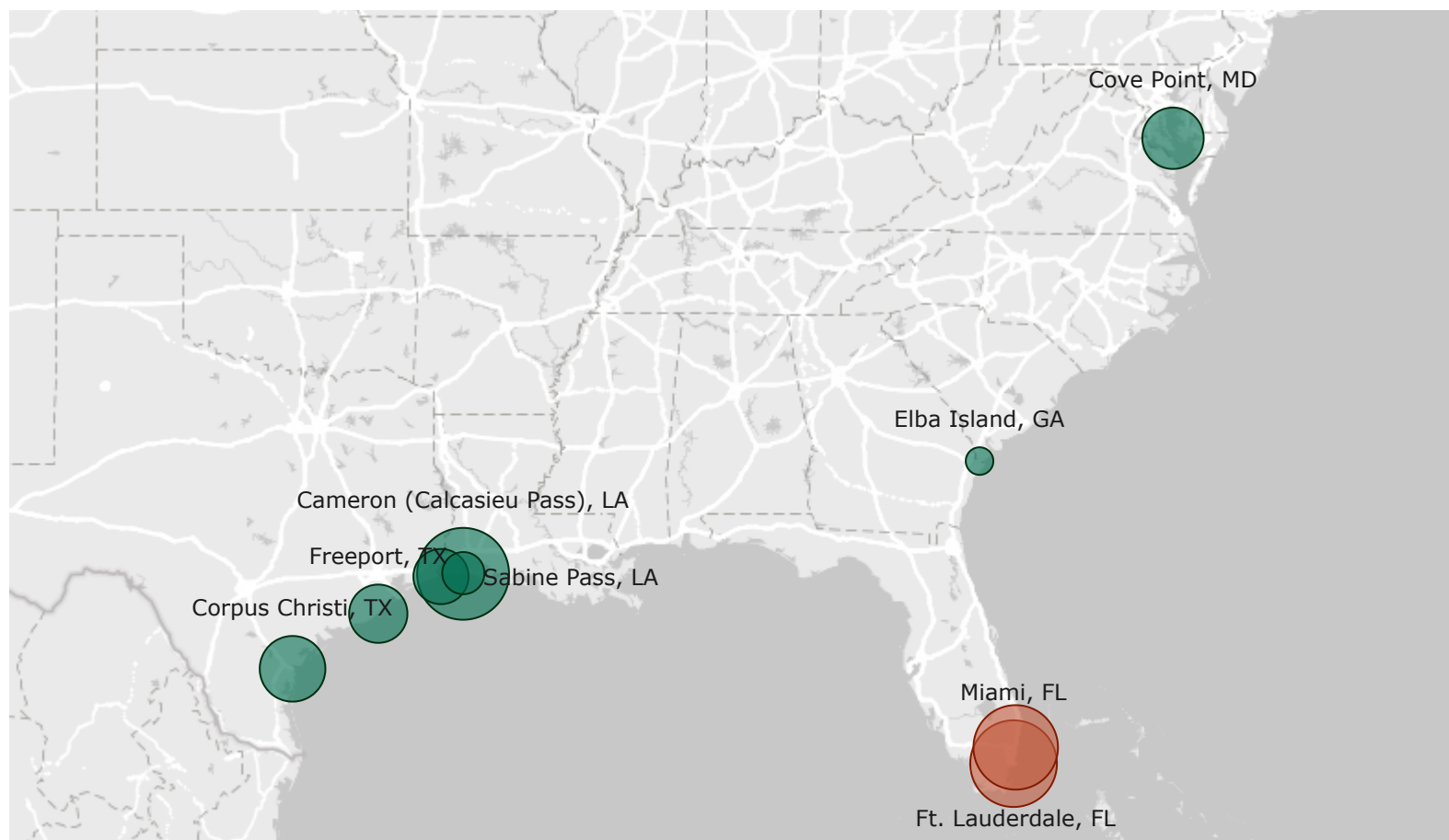
Notes

- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- LNG import prices are landed and include the price of the LNG, the transportation cost to the U.S. terminal, and the cost of offloading the LNG but do not include the cost of regasification.
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).

U.S.-Produced LNG Export Prices Summary

U.S.-Produced LNG Export Prices by Point of Exit (November 2023)

● LNG by Vessel ● LNG by ISO Container



13a. Monthly Summary: U.S.-Produced LNG Export Prices by Mode of Transport and Point of Exit

Price (\$/MMBtu) Point of Exit	Monthly			Percentage Change	
	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
LNG Exports by ISO Container					
Miami, FL	\$10.39	\$10.39	-	<1%	-
Ft. Lauderdale, FL	\$10.04	\$10.05	\$10.00	<1%	<1%
Jacksonville, FL	-	-	\$10.39	-	-
Newark, NJ	-	-	\$17.30	-	-
Average Price	\$10.05	\$10.06	\$10.05	<1%	<1%
LNG Exports by Vessel					
Cameron (Calcasieu Pass), LA	\$11.29	\$10.09	\$24.82	11%	-55%
Corpus Christi, TX	\$7.53	\$6.99	\$10.22	7%	-26%
Cove Point, MD	\$7.10	\$6.73	\$10.10	5%	-30%
Freeport, TX	\$6.82	\$6.54	-	4%	-
Sabine Pass, LA	\$6.56	\$6.27	\$9.27	5%	-29%
Cameron, LA	\$5.80	\$5.66	\$8.59	2%	-33%
Elba Island, GA	\$5.50	\$5.41	\$9.62	2%	-43%
Average Price	\$7.23	\$6.81	\$11.24	6%	-36%

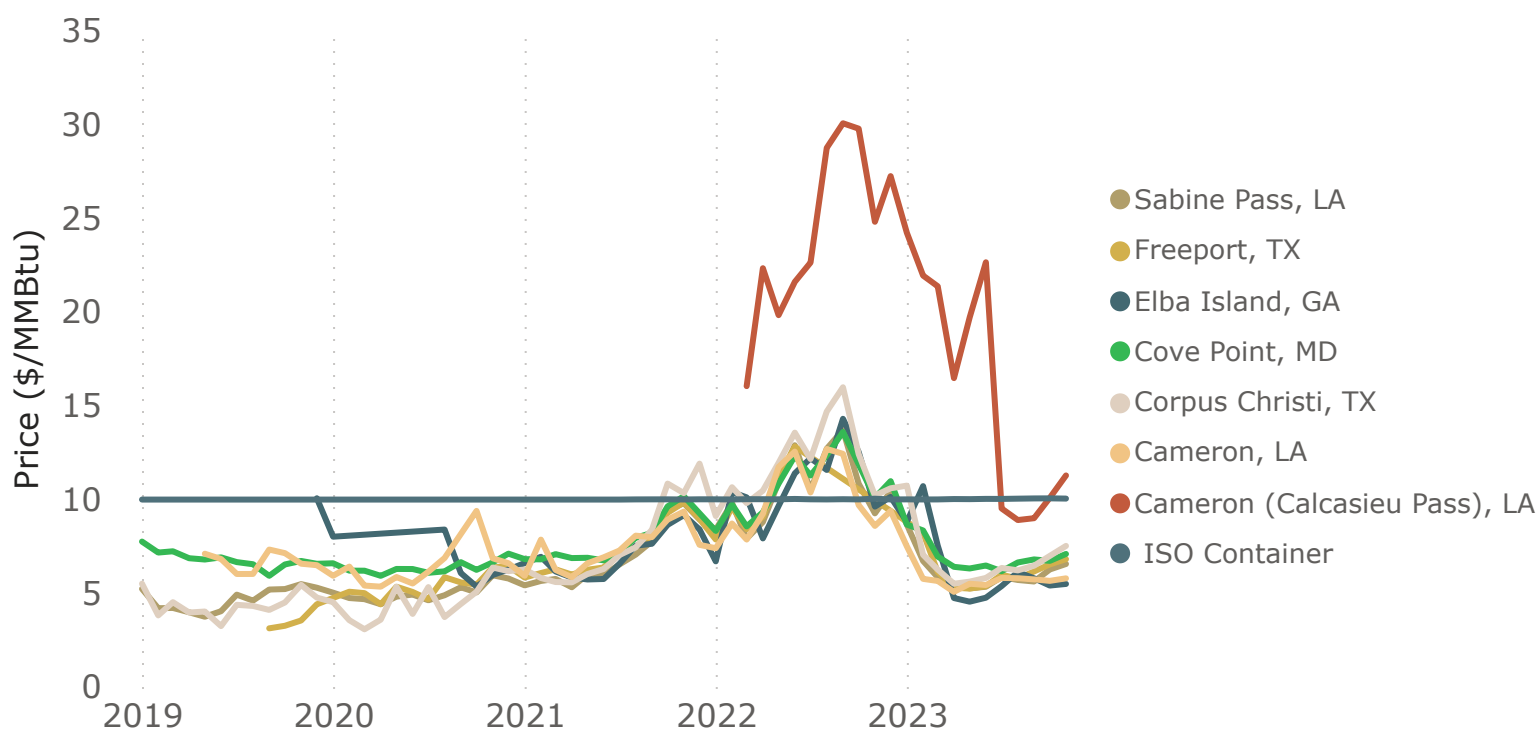
Notes

- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).

U.S.-Produced LNG Export Prices

Year-to-Date and Annual Summary

U.S.-Produced LNG Export Prices by Point of Exit



13b. Year-to-Date and Annual Summary: U.S.-Produced LNG Export Prices by Mode of Transport and Point of Exit

Price (\$/MMBtu)	Year-to-Date (Jan-Nov)			Annual		
Point of Exit	YTD 2023	YTD 2022	% Change	2022	2021	% Change
LNG Exports by ISO Container						
Miami, FL	\$10.39	\$10.39	<1%	\$10.39	\$10.39	<1%
Ft. Lauderdale, FL	\$10.02	\$10.00	<1%	\$10.00	\$10.00	<1%
Jacksonville, FL	-	\$10.39	-	\$10.39	\$10.39	<1%
Newark, NJ	-	\$17.30	-	\$17.30	-	-
Average Price	\$10.02	\$10.02	<1%	\$10.02	\$10.01	<1%
LNG Exports by Vessel						
Cameron (Calcasieu Pass), LA	\$15.82	\$25.02	-37%	\$25.29	-	-
Cove Point, MD	\$6.96	\$10.57	-34%	\$10.62	\$7.76	37%
Corpus Christi, TX	\$6.80	\$11.91	-43%	\$11.80	\$7.76	52%
Elba Island, GA	\$6.43	\$10.66	-40%	\$10.62	\$7.10	49%
Sabine Pass, LA	\$6.17	\$10.46	-41%	\$10.45	\$7.02	49%
Freeport, TX	\$5.95	\$9.44	-37%	\$9.44	\$7.30	29%
Cameron, LA	\$5.83	\$9.99	-42%	\$9.94	\$7.40	34%
Average Price	\$7.35	\$11.75	-37%	\$11.79	\$7.34	61%
LNG Export Average Price	\$7.35	\$11.75	-37%	\$11.78	\$7.34	61%

Notes

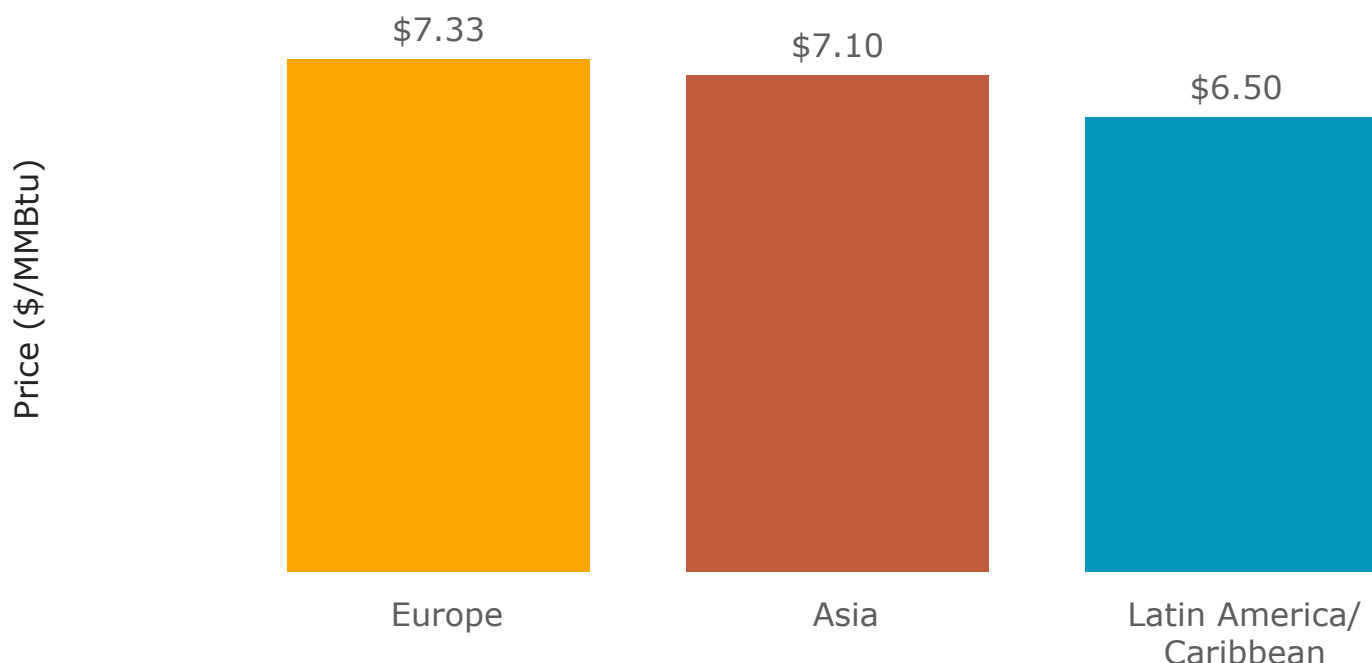
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).

U.S.-Produced LNG Export Prices

Monthly Summary

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U.S.-Produced LNG Export Prices by Region of Destination (November 2023)



14a. Monthly Summary: U.S.-Produced LNG Export Prices by Mode of Transport and Region of Destination

Price (\$/MMBtu) Region of Destination	Monthly			Percentage Change	
	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
LNG Exports by ISO Container					
Latin America/ Caribbean	\$10.05	\$10.06	\$10.04	<1%	<1%
Europe	-	-	\$10.39	-	-
Average Price	\$10.05	\$10.06	\$10.05	<1%	<1%
LNG Exports by Vessel					
Europe	\$7.33	\$6.74	\$11.75	8%	-38%
Asia	\$7.10	\$6.66	\$9.73	6%	-27%
Latin America/ Caribbean	\$6.49	\$8.36	\$8.86	-29%	-27%
Average Price	\$7.23	\$6.81	\$11.24	6%	-36%
LNG Export Average Price	\$7.23	\$6.81	\$11.24	6%	-36%

Notes

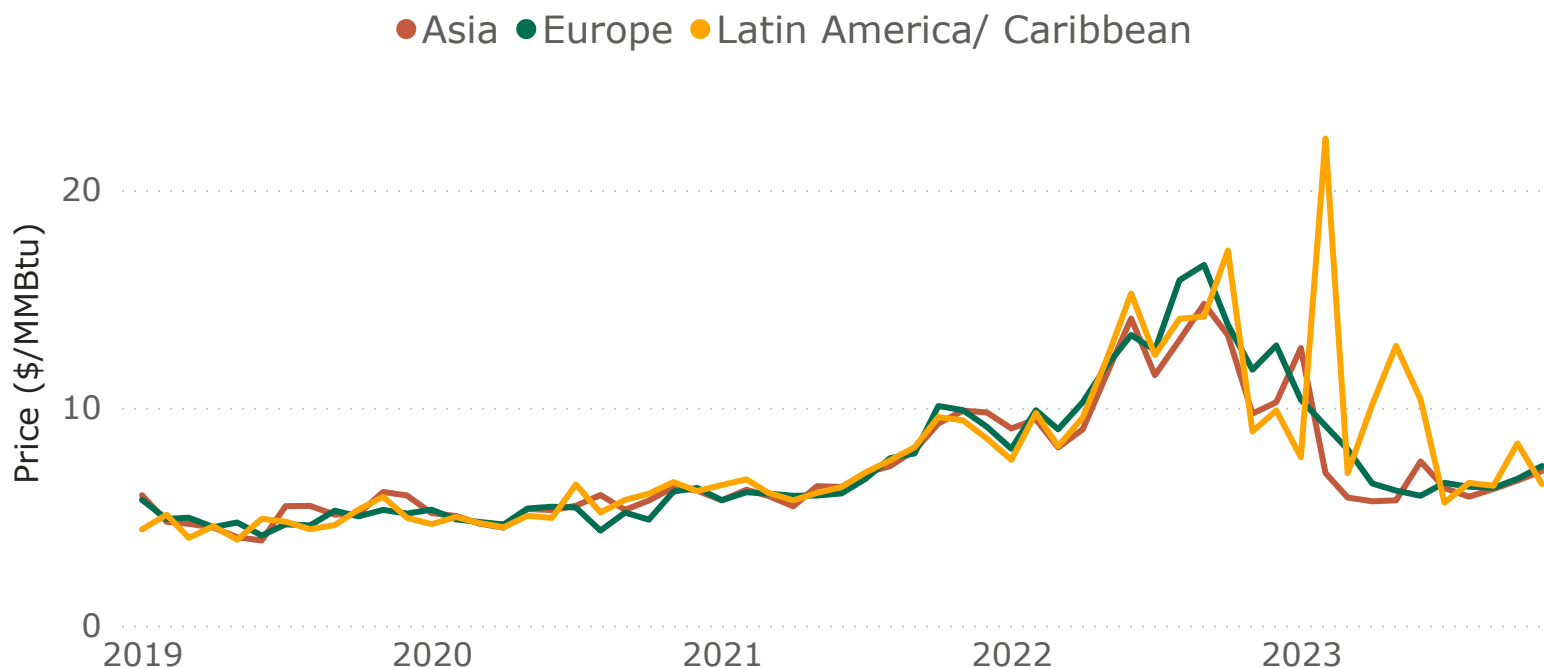
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).
- The world region classification is based on the United Nation standard country or area codes for statistical use (M49). For classification purposes, Turkiye is grouped into Europe.

U.S.-Produced LNG Export Prices

Year-to-Date and Annual Summary

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U.S.-Produced LNG Export Prices by Region of Destination (November 2023)



14b. Year-to-Date and Annual Summary: U.S.-Produced LNG Export Prices by Mode of Transport and Region of Destination

Price (\$/MMBtu) Region of Destination	Year-to-Date (Jan-Nov)			Annual		
	YTD 2023	YTD 2022	% Change	2022	2021	% Change
LNG Exports by ISO Container						
Latin America/ Caribbean	\$10.02	\$10.02	<1%	\$10.02	\$10.01	<1%
Europe	-	\$10.39	-	\$10.39	-	-
Average Price	\$10.02	\$10.02	<1%	\$10.02	\$10.01	<1%
LNG Exports by Vessel						
Latin America/ Caribbean	\$9.07	\$11.93	-24%	\$11.86	\$7.20	65%
Europe	\$7.35	\$11.84	-38%	\$11.94	\$7.61	57%
Asia	\$6.91	\$11.44	-40%	\$11.34	\$7.19	58%
Average Price	\$7.35	\$11.75	-37%	\$11.79	\$7.34	61%
LNG Export Average Price	\$7.35	\$11.75	-37%	\$11.78	\$7.34	61%

Notes

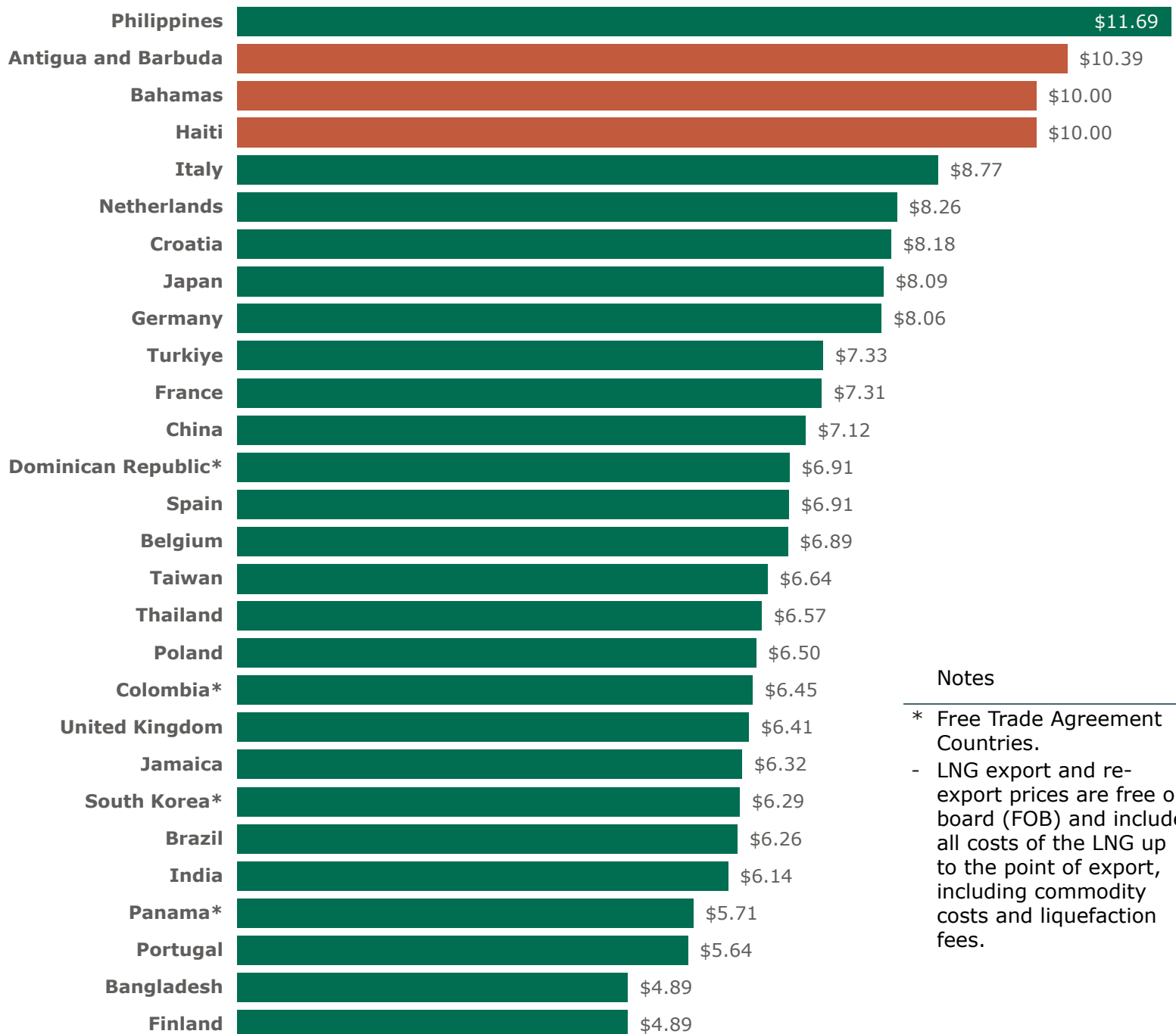
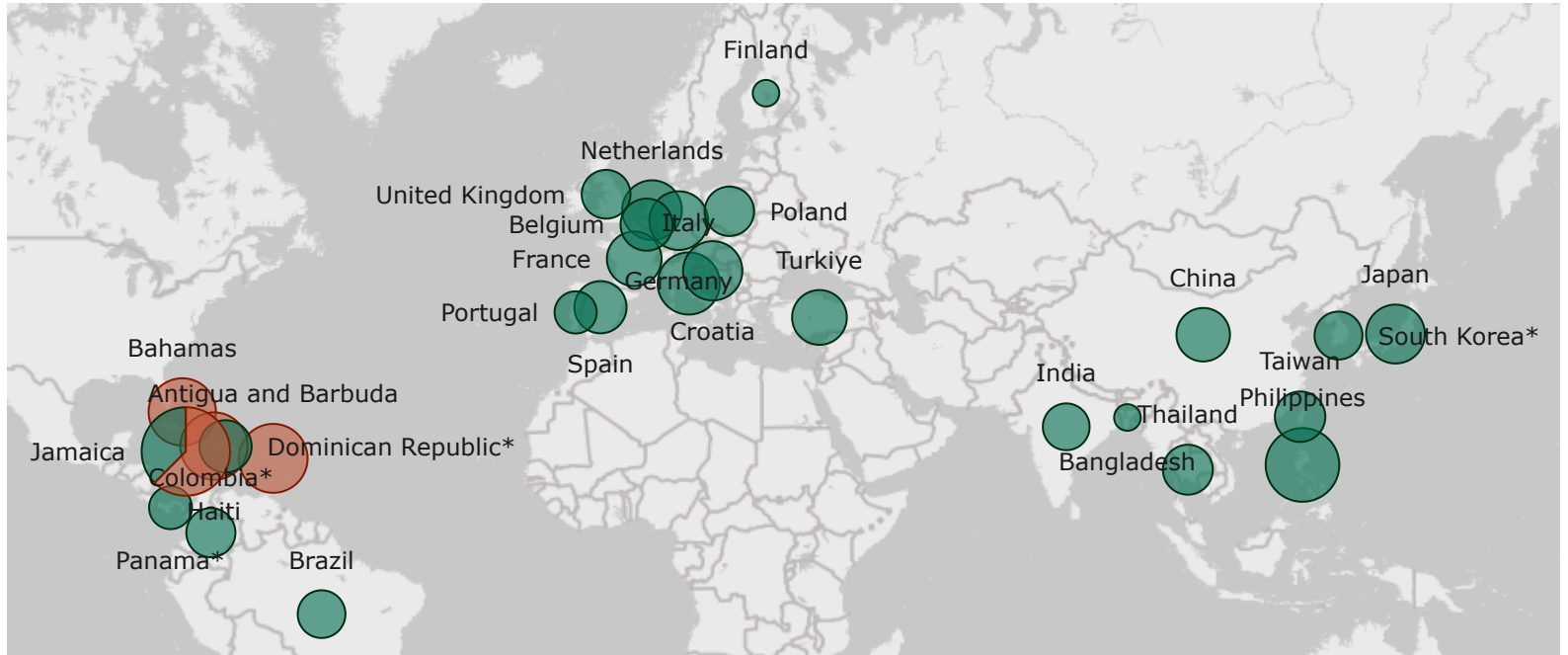
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).
- The world region classification is based on the United Nation standard country or area codes for statistical use (M49). For classification purposes, Turkiye is grouped into Europe.

U.S. LNG Export by Country of Destination Prices

Map

15: U.S.-Produced LNG Export Prices by Country of Destination (November 2023)

● LNG by Vessel ● LNG by ISO Container



Notes

- * Free Trade Agreement Countries.
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.

U.S.-Produced LNG Export Prices

Monthly Summary

15a. Monthly Summary: U.S.-Produced LNG Export Prices by Mode of Transport and Country of Destination

Price (\$/MMBtu) Country of Destination	Monthly			Percentage Change	
	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
LNG Exports by ISO Container					
Jamaica	\$10.39	\$10.39	\$10.00	<1%	4%
Antigua and Barbuda	\$10.39	\$10.39	\$10.39	<1%	<1%
Bahamas	\$10.00	\$10.00	\$10.00	<1%	<1%
Haiti	\$10.00	\$10.00	-	<1%	-
Barbados	-	-	\$17.30	-	-
Germany	-	-	\$10.39	-	-
Nicaragua*	-	-	-	-	-
Average Price	\$10.05	\$10.06	\$10.05	<1%	<1%
LNG Exports by Vessel					
Philippines	\$11.69	\$9.25	-	21%	-
Italy	\$8.77	\$8.16	\$9.52	7%	-8%
Netherlands	\$8.26	\$6.71	\$11.91	19%	-31%
Croatia	\$8.18	-	\$9.30	-	-12%
Japan	\$8.09	\$6.35	\$8.65	22%	-7%
Germany	\$8.06	\$8.01	-	<1%	-
Turkiye	\$7.33	\$6.27	\$10.25	14%	-28%
France	\$7.31	\$6.72	\$12.87	8%	-43%
China	\$7.12	\$5.62	\$12.85	21%	-45%
Dominican Republic*	\$6.91	\$7.71	-	-12%	-
Spain	\$6.91	\$6.74	\$9.10	2%	-24%
Belgium	\$6.89	\$6.01	-	13%	-
Taiwan	\$6.64	\$9.66	\$8.96	-45%	-26%
Thailand	\$6.57	\$6.40	-	3%	-
Poland	\$6.50	\$7.06	\$28.06	-9%	-77%
Colombia*	\$6.45	\$5.25	-	19%	-
United Kingdom	\$6.41	\$5.84	\$12.41	9%	-48%
South Korea*	\$6.29	\$7.13	\$8.84	-13%	-29%
Brazil	\$6.26	\$11.88	-	-90%	-
Jamaica	\$6.24	\$12.09	-	-94%	-
India	\$6.14	\$5.75	\$8.57	6%	-28%
Panama*	\$5.71	-	\$8.86	-	-36%
Portugal	\$5.64	\$5.47	\$9.52	3%	-41%
Bangladesh	\$4.89	-	-	-	-
Finland	\$4.89	\$5.48	-	-12%	-
Argentina	-	-	-	-	-
Chile*	-	-	-	-	-
El Salvador*	-	-	-	-	-
Greece	-	-	\$8.96	-	-
Indonesia	-	-	\$8.86	-	-
Israel	-	-	-	-	-
Jordan*	-	-	-	-	-
Kuwait	-	-	-	-	-
Lithuania	-	\$11.75	\$8.74	-	-
Malta	-	-	\$8.26	-	-
Mexico*	-	\$12.09	-	-	-
Pakistan	-	-	-	-	-
Singapore*	-	\$6.25	-	-	-
Average Price	\$7.23	\$6.81	\$11.24	6%	-36%
LNG Export Average Price	\$7.23	\$6.81	\$11.24	6%	-36%

Notes

* Free Trade Agreement Countries.

- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.

- not applicable(-).

U.S.-Produced LNG Export Prices

Year-to-Date and Annual Summary

15b. Year-to-Date and Annual Summary: U.S.-Produced LNG Export Prices by Mode of Transport and Country of Destination

Price (\$/MMBtu)	Year-to-Date (Jan-Nov)			Annual		
Country of Destination	YTD 2023	YTD 2022	% Change	2022	2021	% Change
LNG Exports by ISO Container						
Antigua and Barbuda	\$10.39	\$10.39	<1%	\$10.39	\$10.39	<1%
Jamaica	\$10.02	\$10.01	<1%	\$10.01	\$10.01	<1%
Bahamas	\$10.00	\$10.00	<1%	\$10.00	\$10.00	<1%
Haiti	\$10.00	\$10.00	<1%	\$10.00	\$10.00	<1%
Barbados	-	\$10.08	-	\$10.08	\$10.00	<1%
Germany	-	\$10.39	-	\$10.39	-	-
Nicaragua*	-	-	-	-	\$10.00	-
Average Price	\$10.02	\$10.02	<1%	\$10.02	\$10.01	<1%
LNG Exports by Vessel						
Argentina	\$11.14	\$13.36	-17%	\$13.36	\$6.58	103%
Philippines	\$10.48	-	-	-	-	-
Bangladesh	\$10.43	\$9.67	8%	\$9.67	\$5.82	66%
Dominican Republic*	\$9.91	\$12.42	-20%	\$12.08	\$7.46	62%
Finland	\$9.41	-	-	\$10.28	-	-
Brazil	\$9.25	\$11.20	-17%	\$11.20	\$7.60	47%
Germany	\$9.01	-	-	\$19.27	-	-
China	\$8.14	\$11.31	-28%	\$11.30	\$7.21	57%
Turkiye	\$7.94	\$10.49	-24%	\$10.67	\$8.64	23%
Malta	\$7.92	\$8.54	-7%	\$8.54	\$6.83	25%
Mexico*	\$7.73	\$13.31	-42%	\$12.93	\$5.85	121%
Italy	\$7.44	\$11.12	-33%	\$11.03	\$6.39	72%
United Kingdom	\$7.41	\$11.44	-35%	\$11.61	\$7.49	55%
France	\$7.37	\$12.05	-39%	\$12.01	\$7.06	70%
Spain	\$7.33	\$10.59	-31%	\$11.03	\$7.96	39%
Netherlands	\$7.33	\$12.23	-40%	\$12.03	\$6.97	72%
South Korea*	\$7.07	\$12.14	-42%	\$11.98	\$7.18	67%
Jamaica	\$6.81	\$13.76	-51%	\$13.76	\$6.93	98%
Japan	\$6.73	\$10.33	-35%	\$10.33	\$7.51	38%
Indonesia	\$6.65	\$11.20	-41%	\$10.98	\$8.50	29%
Colombia*	\$6.61	\$12.25	-46%	\$12.25	\$7.10	72%
Belgium	\$6.50	\$12.25	-47%	\$12.12	\$5.45	122%
Chile*	\$6.50	\$10.13	-36%	\$10.13	\$6.76	50%
Croatia	\$6.47	\$11.43	-43%	\$11.31	\$7.61	49%
Singapore*	\$6.43	\$14.38	-55%	\$14.38	\$6.24	130%
Panama*	\$6.36	\$10.53	-40%	\$10.49	\$6.84	53%
Lithuania	\$6.35	\$10.74	-41%	\$10.72	\$6.72	59%
Taiwan	\$6.27	\$10.55	-41%	\$10.49	\$7.38	42%
Poland	\$6.24	\$18.60	-66%	\$19.00	\$7.79	144%
India	\$6.18	\$10.54	-41%	\$10.45	\$6.99	50%
Jordan*	\$6.07	-	-	-	-	-
Thailand	\$5.88	\$15.34	-62%	\$15.34	\$5.48	180%
El Salvador*	\$5.63	-	-	-	-	-
Kuwait	\$5.63	\$12.83	-56%	\$12.83	\$7.61	69%
Portugal	\$5.61	\$10.00	-44%	\$9.96	\$8.25	21%
Greece	\$5.45	\$14.12	-61%	\$13.98	\$7.33	91%
Israel	-	-	-	-	\$6.34	-
Pakistan	-	\$9.17	-	\$9.17	\$6.96	32%
Average Price	\$7.35	\$11.75	-37%	\$11.79	\$7.34	61%
LNG Export Average Price	\$7.35	\$11.75	-37%	\$11.78	\$7.34	61%

Notes

* Free Trade Agreement Countries.

- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.

- not applicable(-).

U.S.-Produced LNG Export Prices

Monthly series

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16a: U.S.-Produced LNG Export Prices and Region of Destination

Price (\$/MMBtu)	2022	2023										
Region of Destination	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Exports by Vessel												
Asia	\$10.26	\$12.74	\$7.01	\$5.88	\$5.71	\$5.75	\$7.54	\$6.32	\$5.92	\$6.28	\$6.66	\$7.10
Europe	\$12.86	\$10.37	\$9.17	\$8.10	\$6.53	\$6.20	\$5.96	\$6.56	\$6.38	\$6.33	\$6.74	\$7.33
Latin America/Caribbean	\$9.87	\$7.71	\$22.78	\$6.97	\$10.15	\$12.85	\$10.38	\$5.64	\$6.54	\$6.42	\$8.36	\$6.49
Average Price	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32	\$6.81	\$7.23
LNG Exports by ISO Container												
Europe	-	-	-	-	-	-	-	-	-	-	-	-
Latin America/Caribbean	\$10.01	\$10.01	\$10.01	\$10.01	\$10.03	\$10.02	\$10.04	\$10.03	\$10.05	\$10.06	\$10.06	\$10.05
Average Price	\$10.01	\$10.01	\$10.01	\$10.01	\$10.03	\$10.02	\$10.04	\$10.03	\$10.05	\$10.06	\$10.06	\$10.05
LNG Export Average Price	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32	\$6.81	\$7.23

16b: U.S.-Produced LNG Export Prices and Point of Exit

Price (\$/MMBtu)	2022	2023										
Point of Exit	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Exports by Vessel												
Cameron (Calcasieu Pass), LA	\$27.26	\$24.23	\$21.95	\$21.38	\$16.48	\$19.72	\$22.66	\$9.53	\$8.91	\$9.01	\$10.09	\$11.29
Cameron, LA	\$9.39	\$7.51	\$5.77	\$5.66	\$5.08	\$5.51	\$5.44	\$5.82	\$5.80	\$5.74	\$5.66	\$5.80
Corpus Christi, TX	\$10.60	\$10.74	\$7.05	\$6.26	\$5.51	\$5.62	\$5.82	\$6.35	\$6.22	\$6.47	\$6.99	\$7.53
Cove Point, MD	\$10.98	\$8.67	\$8.35	\$6.96	\$6.41	\$6.32	\$6.48	\$6.18	\$6.64	\$6.81	\$6.73	\$7.10
Elba Island, GA	\$10.14	\$8.81	\$10.72	\$7.54	\$4.75	\$4.55	\$4.76	\$5.38	\$6.13	\$5.80	\$5.41	\$5.50
Freeport, TX	-	-	\$8.23	\$6.14	\$5.30	\$5.25	\$5.38	\$5.99	\$5.79	\$6.16	\$6.54	\$6.82
Sabine Pass, LA	\$10.43	\$8.67	\$6.72	\$5.86	\$5.45	\$5.26	\$5.35	\$5.87	\$5.71	\$5.63	\$6.27	\$6.56
Average Price	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32	\$6.81	\$7.23
LNG Exports by ISO Container												
Ft. Lauderdale, FL	\$10.00	\$10.01	\$10.00	\$10.00	\$10.01	\$10.02	\$10.02	\$10.02	\$10.03	\$10.04	\$10.05	\$10.04
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-
Miami, FL	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39
Newark, NJ	-	-	-	-	-	-	-	-	-	-	-	-
Average Price	\$10.01	\$10.01	\$10.01	\$10.01	\$10.03	\$10.02	\$10.04	\$10.03	\$10.05	\$10.06	\$10.06	\$10.05
LNG Export Average Price	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32	\$6.81	\$7.23

Notes

- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).
- The world region classification is based on the United Nation standard country or area codes for statistical use (M49). For classification purposes, Turkiye is grouped into Europe.

U.S.-Produced LNG Export Prices

Monthly series

16c: U.S.-Produced LNG Export Prices and Country of Destination

Price (\$/MMBtu)	2022	2023										
Region of Destination	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Exports by Vessel												
Argentina	-	-	\$16.56	\$4.69	\$8.73	\$12.59	\$13.56	\$5.41	-	-	-	-
Bangladesh	-	\$38.92	-	-	-	\$2.93	\$5.58	-	\$5.67	-	-	\$4.89
Belgium	\$9.00	\$8.05	\$7.86	\$12.16	\$5.14	\$4.40	\$5.00	-	\$2.87	\$5.46	\$6.01	\$6.89
Brazil	-	-	-	\$4.69	\$4.97	\$18.72	\$10.99	-	\$5.94	\$5.96	\$11.88	\$6.26
Chile*	-	\$6.70	-	\$9.05	-	\$5.49	\$5.20	\$5.73	\$5.87	-	-	-
China	\$11.25	\$12.81	\$6.64	\$5.75	\$10.70	\$5.65	\$15.68	\$6.19	\$5.36	\$5.62	\$5.62	\$7.12
Colombia*	-	-	-	-	-	\$5.75	-	-	\$7.70	\$7.43	\$5.25	\$6.45
Croatia	\$10.01	\$7.99	\$7.32	\$5.42	\$5.92	\$5.26	-	\$5.75	\$6.46	\$5.50	-	\$8.18
Dominican Republic*	\$9.86	\$7.12	\$26.83	\$5.89	\$15.22	\$22.50	\$2.78	\$5.96	\$6.58	\$6.05	\$7.71	\$6.91
El Salvador*	-	-	-	-	-	-	-	\$5.63	-	-	-	-
Finland	\$10.28	-	-	\$17.10	-	\$13.58	\$5.15	\$6.81	\$5.81	\$7.33	\$5.48	\$4.89
France	\$11.45	\$11.98	\$11.27	\$5.94	\$8.32	\$5.63	\$5.38	\$6.15	\$5.82	\$6.49	\$6.72	\$7.31
Germany	\$19.27	\$12.95	\$15.72	\$11.61	\$5.50	\$9.48	\$5.58	\$9.83	\$7.08	\$8.15	\$8.01	\$8.06
Greece	\$10.72	\$8.36	\$4.90	\$5.84	\$4.37	\$4.81	\$5.15	-	\$5.83	\$5.11	-	-
India	\$9.82	\$7.90	\$8.54	\$5.73	\$4.97	\$5.39	\$5.61	\$6.21	\$6.19	\$6.02	\$5.75	\$6.14
Indonesia	\$10.74	\$6.70	-	-	-	-	-	\$5.72	\$5.32	\$10.74	-	-
Italy	\$9.59	\$8.78	\$13.40	\$5.70	\$6.54	\$5.57	\$6.01	\$5.97	\$7.01	\$6.27	\$8.16	\$8.77
Jamaica	-	-	-	\$5.47	-	\$5.81	\$5.45	\$5.63	\$6.57	\$5.06	\$12.09	\$6.24
Japan	\$10.38	\$8.05	\$7.00	\$6.66	\$5.44	\$6.33	\$6.45	\$6.66	\$6.61	\$6.50	\$6.35	\$8.09
Jordan*	-	-	-	-	-	-	-	\$6.07	-	-	-	-
Kuwait	-	-	-	-	\$4.93	\$4.40	\$5.23	\$6.92	\$5.70	\$5.97	-	-
Lithuania	\$10.28	\$8.21	-	\$4.79	\$4.66	\$5.59	\$5.11	\$6.07	\$5.55	\$5.77	\$11.75	-
Malta	-	\$7.92	-	-	-	-	-	-	-	-	-	-
Mexico*	\$10.60	\$8.34	-	\$5.89	-	-	-	\$5.63	-	-	\$12.09	-
Netherlands	\$10.26	\$11.50	\$11.78	\$7.84	\$5.80	\$6.08	\$5.83	\$6.46	\$6.48	\$6.56	\$6.71	\$8.26
Panama*	\$8.56	\$8.97	-	\$6.41	-	\$5.43	-	\$5.63	-	\$6.53	-	\$5.71
Philippines	-	-	-	-	-	-	-	-	-	-	\$9.25	\$11.69
Poland	\$22.25	\$8.43	\$5.91	\$8.30	\$4.80	\$4.82	\$5.79	\$4.48	\$7.10	\$5.45	\$7.06	\$6.50
Portugal	\$9.70	\$7.69	\$5.85	\$5.09	\$5.00	\$5.48	\$4.51	\$5.73	\$5.15	\$5.24	\$5.47	\$5.64
Singapore*	-	-	-	-	-	-	\$5.26	-	\$5.94	\$8.53	\$6.25	-
South Korea*	\$10.19	\$15.48	\$6.42	\$5.89	\$5.44	\$5.47	\$5.58	\$5.90	\$5.91	\$6.35	\$7.13	\$6.29
Spain	\$16.14	\$9.09	\$7.58	\$7.60	\$7.88	\$7.58	\$10.74	\$6.26	\$6.89	\$5.90	\$6.74	\$6.91
Taiwan	\$9.91	\$7.39	\$6.02	\$5.09	\$7.12	\$6.28	\$6.77	\$5.32	\$6.17	\$5.33	\$9.66	\$6.64
Thailand	-	\$8.42	\$6.67	\$4.59	\$4.06	-	\$4.48	\$7.75	\$4.87	-	\$6.40	\$6.57
Turkiye	\$12.43	\$9.45	\$7.46	\$10.11	\$5.03	-	-	-	-	\$6.03	\$6.27	\$7.33
United Kingdom	\$12.56	\$10.65	\$7.29	\$7.66	\$6.67	\$5.58	-	-	\$6.59	\$6.88	\$5.84	\$6.41
Average Price	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32	\$6.81	\$7.23
LNG Exports by ISO Container												
Antigua and Barbuda	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39
Bahamas	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Barbados	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Haiti	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00	\$10.00
Jamaica	\$10.01	\$10.00	\$10.00	\$10.01	\$10.04	\$10.20	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39
Average Price	\$10.01	\$10.01	\$10.01	\$10.01	\$10.03	\$10.02	\$10.04	\$10.03	\$10.05	\$10.06	\$10.06	\$10.05
LNG Export Average Price	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32	\$6.81	\$7.23

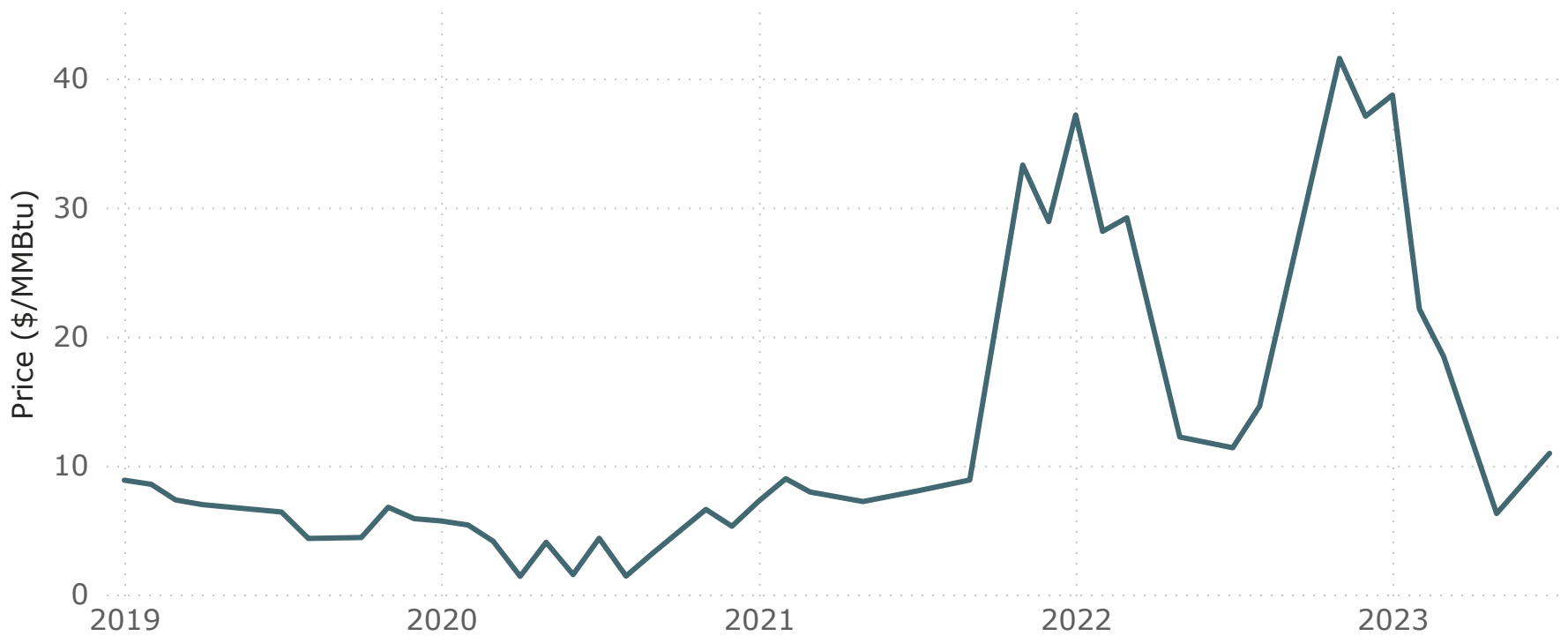
Notes

- * Free Trade Agreement Countries.
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).

U.S. LNG Import Prices

Summary

U.S. LNG Import Prices (November 2023)



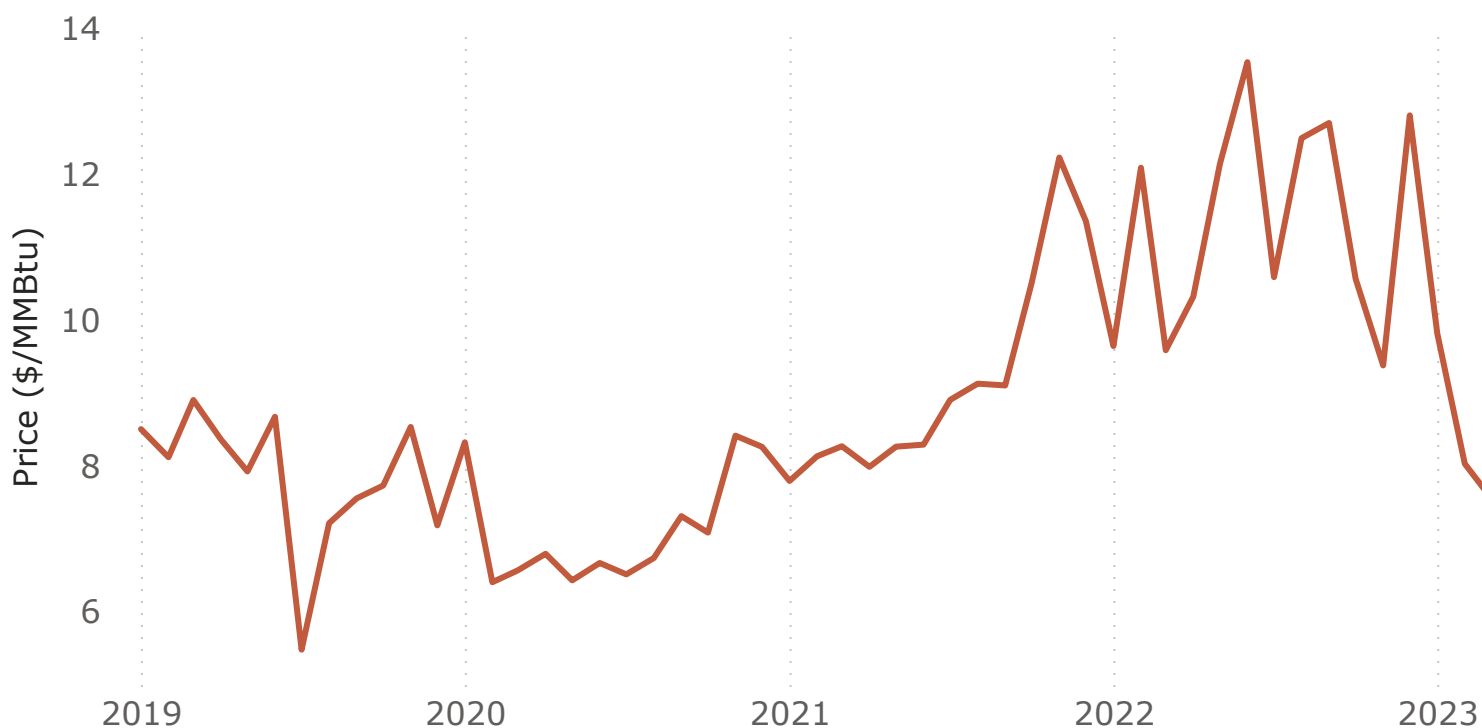
17: U.S. LNG Import Prices by Country of Origin and Point of Entry

Price (\$/MMBtu)	2022		2023									
Activities by Mode of Transport	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Imports by Vessel												
Jamaica												
Everett, MA	-	\$38.73	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago												
Everett, MA	\$37.08	\$38.73	\$22.13	\$18.45	-	\$6.28	-	\$10.95	-	-	-	-
Average Price	\$37.08	\$38.73	\$22.13	\$18.45	-	\$6.28	-	\$10.95	-	-	-	-

Notes

- LNG import prices are landed and include the price of the LNG, the transportation cost to the U.S. terminal, and the cost of offloading the LNG but do not include the cost of regasification.
- not applicable(-).
- * Free Trade Agreement Countries.

Puerto Rico LNG Import Prices (November 2023)



18: Puerto Rico LNG Import Prices by Country of Origin

Price (\$/MMBtu)	2022	2023										
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
LNG Imports by Vessel												
Nigeria	-	\$10.10	\$7.95	\$7.82	\$7.32	\$7.38	\$7.37	\$7.65	\$7.29	\$7.29	\$7.29	\$7.29
Spain	-	-	-	-	-	-	-	-	-	\$7.97	\$8.21	\$8.67
Trinidad and Tobago	\$12.81	\$9.41	\$8.15	\$7.29	\$7.30	\$7.38	\$7.54	-	\$7.89	\$7.97	\$8.21	\$7.29
Average Price	\$12.81	\$9.82	\$8.04	\$7.59	\$7.31	\$7.38	\$7.44	\$7.65	\$7.64	\$7.69	\$7.81	\$7.86

Notes

- LNG import prices are landed and include the price of the LNG, the transportation cost to the U.S. terminal, and the cost of offloading the LNG but do not include the cost of regasification.
- not applicable(-).
- * Free Trade Agreement Countries.

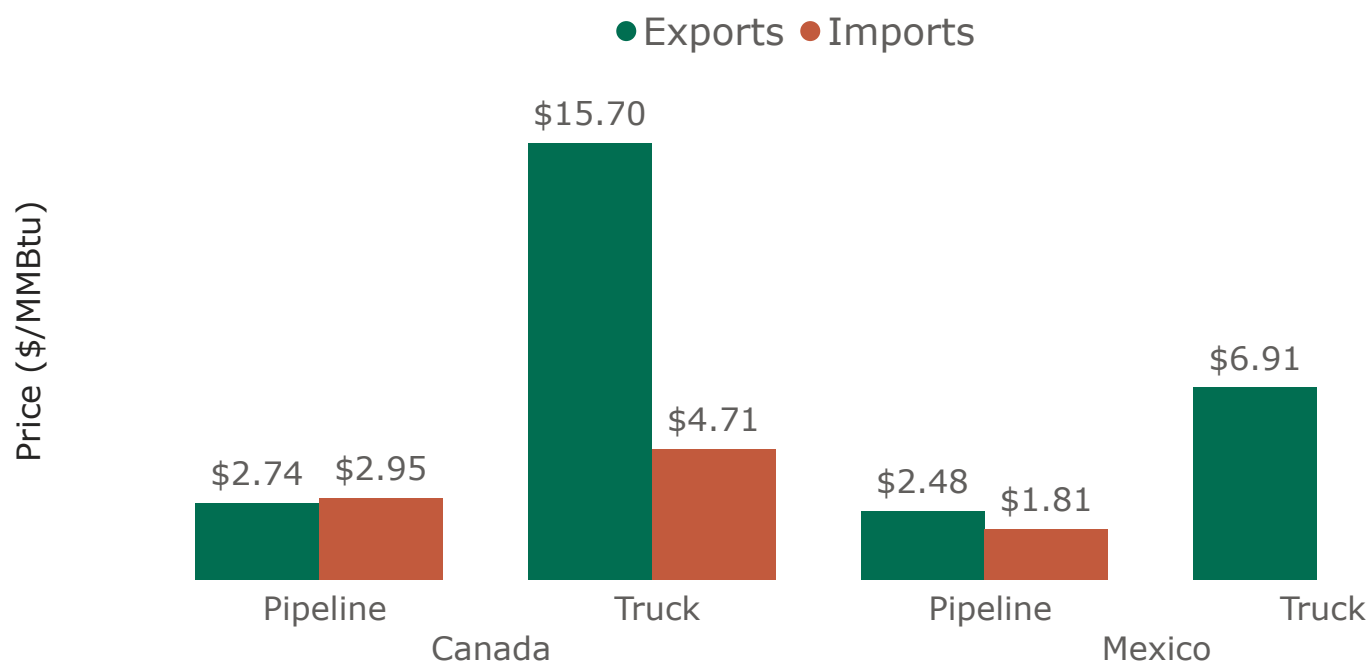
**U.S. Natural Gas
Import & Export Prices
by Pipeline and Truck
Summary**

U.S. Natural Gas Import & Export by Pipeline & Truck Prices

Monthly Summary

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U.S. Natural Gas Import & Export by Pipeline & Truck Prices (November 2023)



19a. Monthly Summary: U.S. Natural Gas Import & Export by Pipeline & Truck Prices

Price (\$/MMBtu)	Monthly			Percentage Change	
	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
Mode of Transport					
Mexico					
Exports					
Pipeline	\$2.48	\$2.48	\$4.67	<1%	-47%
Truck	\$6.91	\$6.92	\$11.47	<1%	-40%
Average Price	\$2.48	\$2.49	\$4.68	<1%	-47%
Imports					
Pipeline	\$1.81	\$1.62	\$3.63	10%	-50%
Truck	-	-	-	-	-
Average Price	\$1.81	\$1.62	\$3.63	10%	-50%
Canada					
Exports					
Pipeline	\$2.74	\$2.26	\$5.31	18%	-48%
Truck	\$15.70	-	\$6.18	-	154%
Average Price	\$2.74	\$2.26	\$5.31	18%	-48%
Imports					
Pipeline	\$2.95	\$2.30	\$5.46	22%	-46%
Truck	\$4.71	\$4.36	\$7.25	7%	-35%
Average Price	\$2.95	\$2.30	\$5.47	22%	-46%

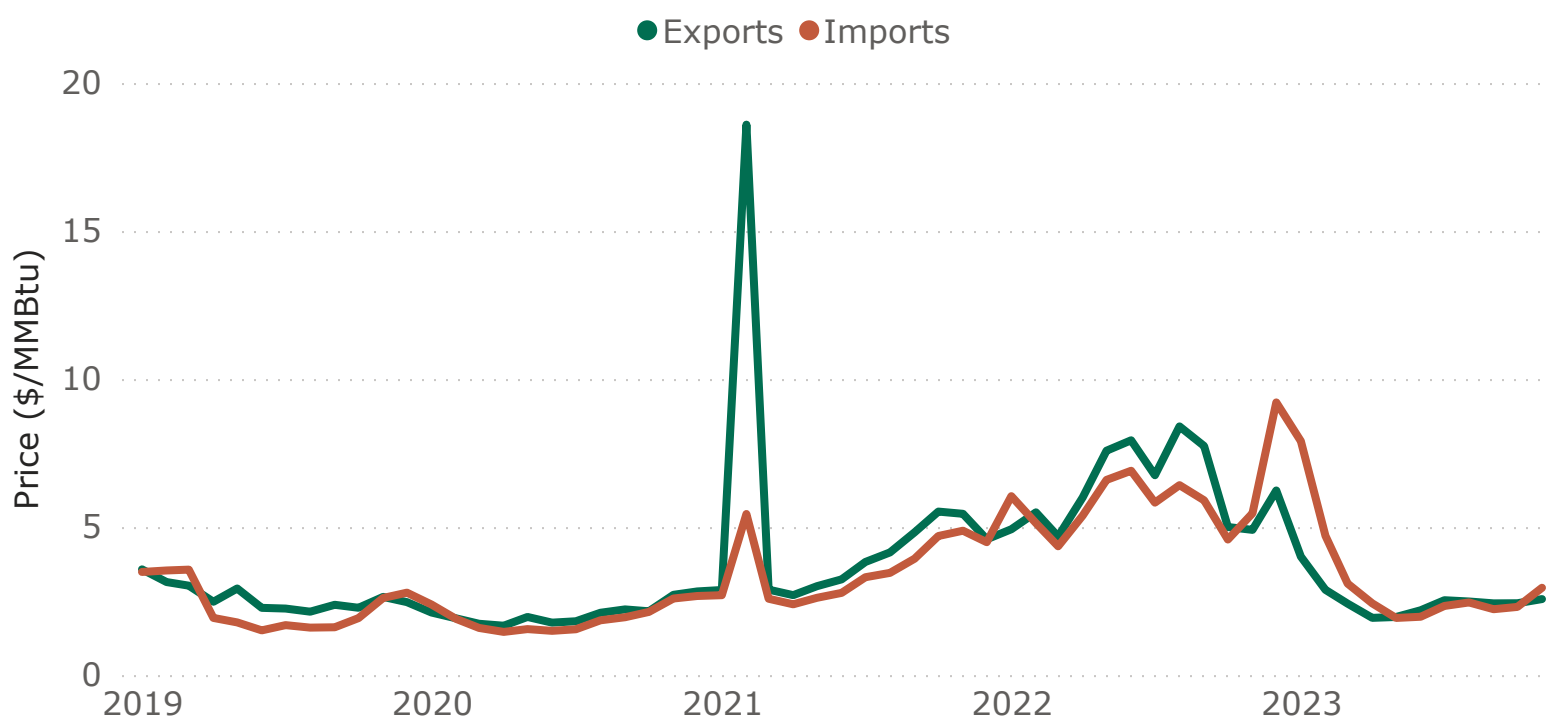
Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- not applicable(-).

U.S. Natural Gas Import & Export by Pipeline & Truck Prices

Year-to-Date and Annual Summary

U.S. Natural Gas Import & Export by Pipeline & Truck Prices



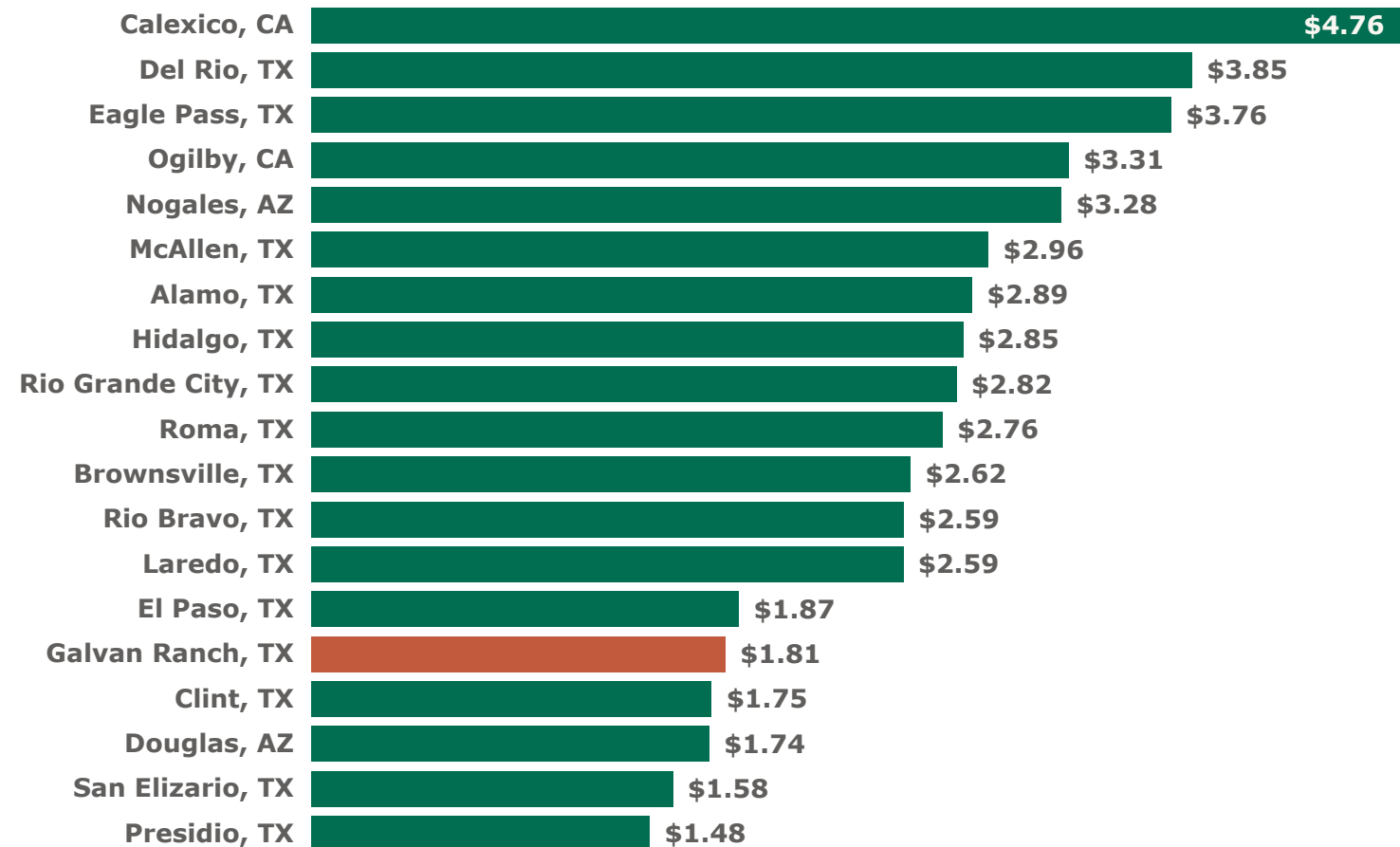
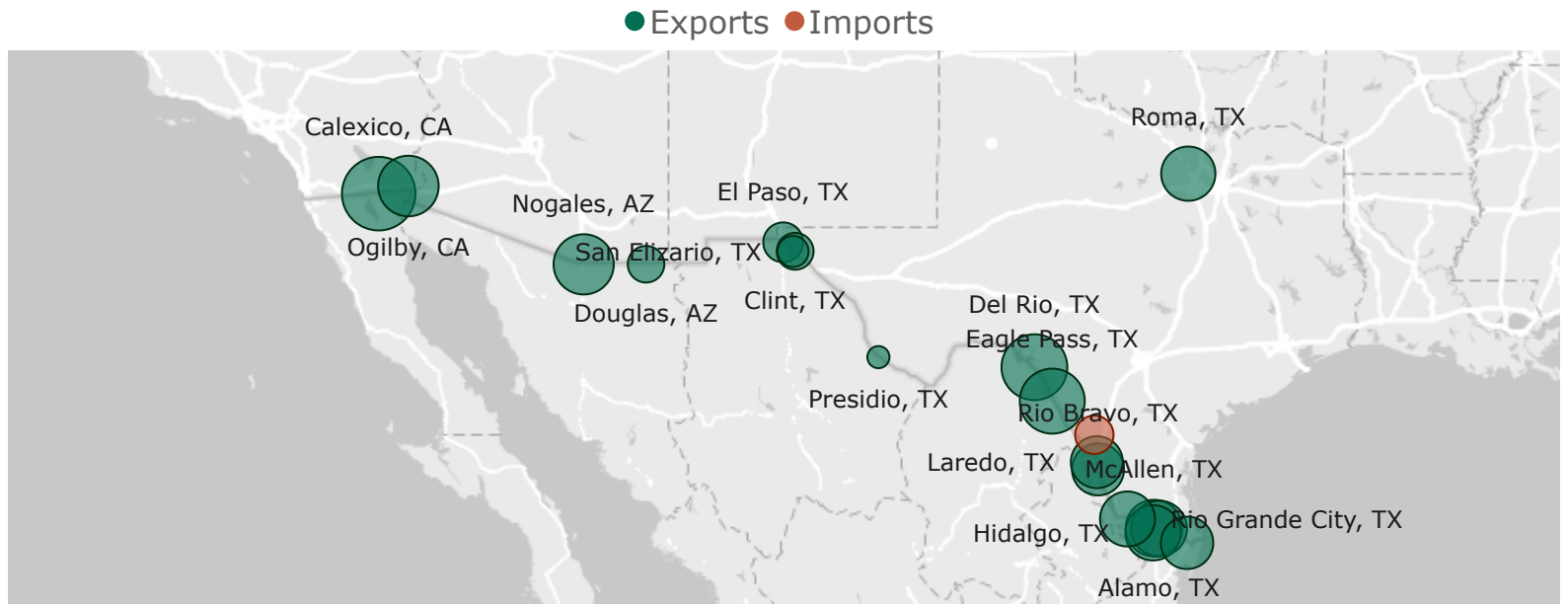
19a. Monthly Summary: U.S. Natural Gas Import & Export by Pipeline & Truck Prices

Price (\$/MMBtu)	Year-to-Date (Jan-Nov)			Annual		
	Mode of Transport	YTD 2023	YTD 2022	% Change	2022	2021
Mexico						
Exports						
Pipeline	\$2.50	\$6.29	-60%	\$6.26	\$5.41	16%
Truck	\$8.26	\$12.90	-36%	\$12.77	\$10.99	16%
Average Price	\$2.50	\$6.29	-60%	\$6.27	\$5.42	16%
Imports						
Pipeline	\$16.98	\$13.31	28%	\$14.72	\$11.10	33%
Truck	-	-	-	-	-	-
Average Price	\$16.98	\$13.31	28%	\$14.72	\$11.10	33%
Canada						
Exports						
Pipeline	\$2.60	\$6.34	-59%	\$6.37	\$3.79	68%
Truck	\$13.84	\$15.88	-13%	\$15.94	\$7.06	126%
Average Price	\$2.60	\$6.34	-59%	\$6.37	\$3.79	68%
Imports						
Pipeline	\$3.19	\$5.67	-44%	\$6.01	\$3.64	65%
Truck	\$5.02	\$8.37	-40%	\$8.66	\$6.30	38%
Average Price	\$3.19	\$5.68	-44%	\$6.01	\$3.64	65%

Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- not applicable(-).

20: U.S. Natural Gas Import & Export with Mexico Prices by Point of Entry/Exit (November 2023)



Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- Some points of entry/exit include pipeline and truck.

U.S. Natural Gas Import & Export with Mexico Prices

Monthly Summary

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20a. Monthly Summary: U.S. Natural Gas Import & Export with Mexico Prices by Point of Entry/Exit

Price (\$/MMBtu) Point of Entry/Exit	Monthly			Percentage Change	
	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
Exports to Mexico					
Calexico, CA	\$4.76	\$4.05	\$5.76	15%	-17%
Del Rio, TX	\$3.85	\$3.54	\$5.73	8%	-33%
Eagle Pass, TX	\$3.76	\$3.46	\$5.59	8%	-33%
Ogilby, CA	\$3.31	\$2.44	\$7.67	26%	-57%
Nogales, AZ	\$3.28	\$3.21	\$3.77	2%	-13%
McAllen, TX	\$2.96	\$2.81	\$4.85	5%	-39%
Alamo, TX	\$2.89	\$2.93	\$4.60	-1%	-37%
Hidalgo, TX	\$2.85	\$2.64	\$4.53	7%	-37%
Rio Grande City, TX	\$2.82	\$2.83	\$4.65	<1%	-39%
Roma, TX	\$2.76	\$2.73	\$4.69	1%	-41%
Brownsville, TX	\$2.62	\$2.76	\$4.60	-5%	-43%
Rio Bravo, TX	\$2.59	\$2.65	\$4.69	-2%	-45%
Laredo, TX	\$2.59	\$2.69	\$4.78	-4%	-46%
El Paso, TX	\$1.87	\$1.96	\$4.59	-5%	-59%
Clint, TX	\$1.75	\$1.82	\$4.17	-4%	-58%
Douglas, AZ	\$1.74	\$2.36	\$4.63	-36%	-62%
San Elizario, TX	\$1.58	\$1.74	\$3.93	-10%	-60%
Presidio, TX	\$1.48	\$1.69	\$3.66	-14%	-60%
Otay Mesa, CA	-	-	-	-	-
Sasabe, AZ	-	-	\$3.67	-	-
Average Price	\$2.48	\$2.49	\$4.68	<1%	-47%
Imports from Mexico					
Galvan Ranch, TX	\$1.81	\$1.62	\$3.61	10%	-50%
Ogilby, CA	-	-	-	-	-
Otay Mesa, CA	-	-	\$8.09	-	-
Rio Grande City, TX	-	-	-	-	-
Average Price	\$1.81	\$1.62	\$3.63	10%	-50%

Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- not applicable(-).
- Some points of entry/exit include pipeline and truck.

U.S. Natural Gas Import & Export with Mexico Prices

Year-to-Date and Annual Summary

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20b. Year-to-Date and Annual Summary: U.S. Natural Gas Import & Export with Mexico Prices by Point of Entry/Exit

Price (\$/MMBtu)	Year-to-Date (Jan-Nov)			Annual		
Point of Entry/Exit	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Imports from Mexico						
Otay Mesa, CA	\$22.01	\$17.69	24%	\$19.34	\$13.44	44%
Galvan Ranch, TX	\$1.63	\$5.35	-70%	\$5.35	\$2.93	82%
Ogilby, CA	-	\$7.22	-	\$7.22	\$12.68	-43%
Rio Grande City, TX	-	-	-	-	\$3.10	-
Average Price	\$16.98	\$13.31	28%	\$14.72	\$11.10	33%
Exports to Mexico						
Calexico, CA	\$3.89	\$4.83	-19%	\$5.29	\$4.15	27%
Del Rio, TX	\$3.56	\$7.43	-52%	\$7.42	\$5.11	45%
Eagle Pass, TX	\$3.55	\$7.41	-52%	\$7.40	\$4.82	53%
Ogilby, CA	\$3.47	\$7.49	-54%	\$8.53	\$4.89	75%
Nogales, AZ	\$3.38	\$6.98	-52%	\$6.82	\$7.15	-5%
Sasabe, AZ	\$3.32	\$5.74	-42%	\$5.53	\$5.95	-7%
Alamo, TX	\$2.93	\$6.76	-57%	\$6.72	\$7.10	-5%
McAllen, TX	\$2.81	\$6.82	-59%	\$6.80	\$4.95	37%
Roma, TX	\$2.69	\$6.59	-59%	\$6.53	\$5.31	23%
Rio Grande City, TX	\$2.67	\$6.32	-58%	\$6.24	\$5.88	6%
Douglas, AZ	\$2.59	\$6.57	-61%	\$6.49	\$4.94	31%
Hidalgo, TX	\$2.56	\$6.01	-57%	\$6.02	\$4.26	41%
Brownsville, TX	\$2.54	\$6.36	-60%	\$6.28	\$6.16	2%
Laredo, TX	\$2.53	\$6.53	-61%	\$6.43	\$5.94	8%
Rio Bravo, TX	\$2.52	\$6.38	-60%	\$6.30	\$5.56	13%
El Paso, TX	\$2.28	\$5.88	-61%	\$5.76	\$5.19	11%
San Elizario, TX	\$1.96	\$5.85	-66%	\$5.69	\$4.90	16%
Clint, TX	\$1.92	\$5.69	-66%	\$5.56	\$4.45	25%
Presidio, TX	\$1.86	\$5.68	-67%	\$5.51	\$4.28	29%
Otay Mesa, CA	-	-	-	-	\$3.58	-
Average Price	\$2.50	\$6.29	-60%	\$6.27	\$5.42	16%

Notes

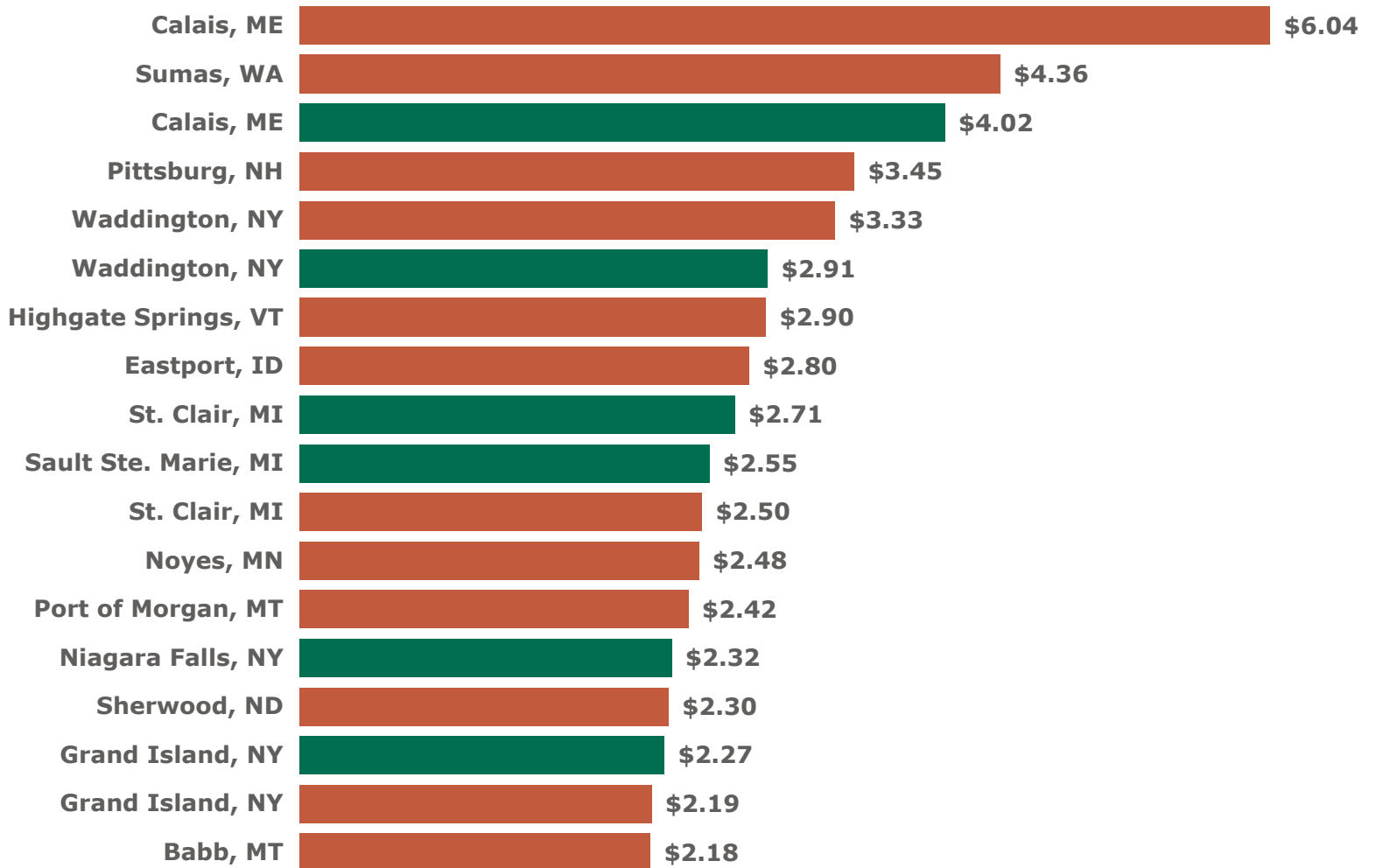
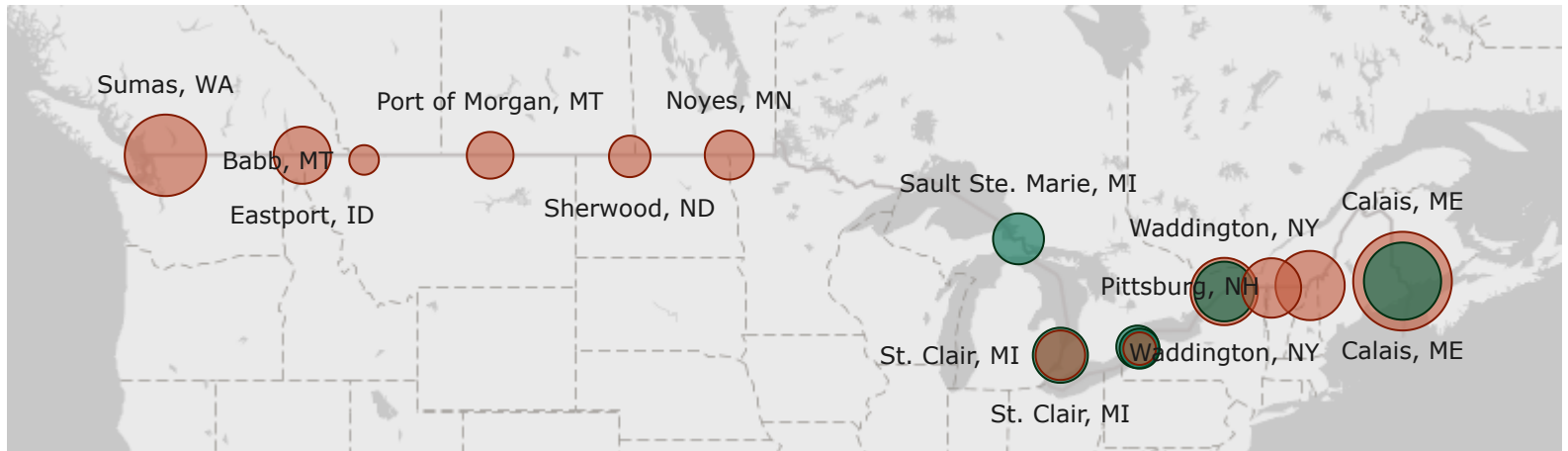
- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- not applicable(-).
- Some points of entry/exit include pipeline and truck.

U.S. Natural Gas Import & Export with Canada Prices

Summary

21: U.S. Natural Gas Import & Export with Canada Prices by Point of Entry/Exit (November 2023)

● Exports ● Imports



Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- Points of entry/exit with flows less than 1Bcf are excluded. For additional information, please go to the summary tables 21a and 21b.
- Some points of entry/exit include pipeline and truck.

U.S. Natural Gas Import & Export with Canada Prices

Monthly Summary

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21a. Monthly Summary: U.S. Natural Gas Import & Export with Canada Prices by Point of Entry/Exit

Price (\$/MMBtu) Point of Entry/Exit	Monthly			Percentage Change	
	Nov 2023	Oct 2023	Nov 2022	Nov 2023 vs. Oct 2023	Nov 2023 vs. Nov 2022
Imports from Canada					
Alcan, Ak	\$8.05	\$8.00	\$7.76	<1%	4%
Jackman, ME	\$6.97	\$7.47	\$7.17	-7%	-3%
Blaine, WA	\$6.94	\$6.83	\$10.00	2%	-31%
Calais, ME	\$6.04	\$9.03	\$11.50	-50%	-47%
Sumas, WA	\$4.36	\$2.76	\$7.19	37%	-39%
Champlain, NY	\$3.87	\$2.50	\$7.06	35%	-45%
Massena, NY	\$3.84	\$2.98	\$7.02	22%	-45%
Pittsburg, NH	\$3.45	\$2.23	\$6.23	35%	-45%
Waddington, NY	\$3.33	\$2.13	\$6.28	36%	-47%
Portal, ND	\$3.20	\$3.33	\$4.23	-4%	-24%
Highgate Springs, VT	\$2.90	\$2.84	\$5.94	2%	-51%
Warroad, MN	\$2.87	\$3.09	\$6.70	-8%	-57%
Houlton, ME	\$2.86	\$2.08	\$7.00	27%	-59%
Eastport, ID	\$2.80	\$2.40	\$5.39	14%	-48%
St. Clair, MI	\$2.50	\$2.27	\$4.99	9%	-50%
Noyes, MN	\$2.48	\$2.09	\$5.13	16%	-52%
Port of Morgan, MT	\$2.42	\$1.97	\$5.08	19%	-52%
Detroit, MI	\$2.41	-	\$5.09	-	-53%
Sherwood, ND	\$2.30	\$2.02	\$4.30	12%	-47%
Grand Island, NY	\$2.19	\$2.28	\$5.42	-4%	-60%
Babb, MT	\$2.18	\$1.96	\$4.66	10%	-53%
Whitlash, MT	\$2.02	\$1.89	\$4.60	6%	-56%
Buffalo, NY	-	-	-	-	-
Marysville, MI	-	-	-	-	-
Niagara Falls, NY	-	\$2.01	-	-	-
North Troy, VT	-	-	-	-	-
Sault Ste. Marie, MI	-	-	-	-	-
Sweetgrass, MT	-	\$2.23	-	-	-
Average Price	\$2.95	\$2.30	\$5.47	22%	-46%
Exports to Canada					
Calais, ME	\$4.02	\$2.22	\$6.06	45%	-34%
Waddington, NY	\$2.91	\$2.25	\$5.77	23%	-50%
Noyes, MN	\$2.82	\$1.89	\$4.66	33%	-39%
St. Clair, MI	\$2.71	\$2.62	\$5.34	3%	-49%
Sault Ste. Marie, MI	\$2.55	\$2.41	\$5.43	5%	-53%
Sumas, WA	\$2.54	\$2.68	\$9.41	-6%	-73%
Marysville, MI	\$2.44	-	\$6.11	-	-60%
Detroit, MI	\$2.40	-	\$5.11	-	-53%
Niagara Falls, NY	\$2.32	\$1.79	\$4.69	23%	-51%
Grand Island, NY	\$2.27	\$1.71	\$4.59	25%	-51%
Portal, ND	\$2.18	\$1.51	\$4.21	31%	-48%
Sweetgrass, MT	\$1.98	\$2.01	\$6.18	-2%	-68%
Pittsburg, NH	\$1.83	\$1.39	\$3.52	24%	-48%
Buffalo, NY	-	-	-	-	-
Champlain, NY	-	-	-	-	-
Eastport, ID	-	-	-	-	-
Massena, NY	-	-	-	-	-
Average Price	\$2.74	\$2.26	\$5.31	18%	-48%

Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- not applicable(-).
- Some points of entry/exit include pipeline and truck.

U.S. Natural Gas Import & Export with Canada Prices

Year-to-Date and Annual Summary

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21b. Year-to-Date and Annual Summary: U.S. Natural Gas Import & Export with Canada Prices by Point of Entry/Exit

Price (\$/MMBtu)	Year-to-Date (Jan-Nov)			Annual		
Point of Entry/Exit	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Imports from Canada						
Niagara Falls, NY	\$18.28	\$5.10	258%	\$6.06	\$3.69	64%
Calais, ME	\$12.22	\$13.47	-9%	\$14.18	\$6.19	129%
Blaine, WA	\$8.38	\$8.42	<1%	\$8.47	\$6.62	28%
Alcan, Ak	\$7.96	\$12.07	-34%	\$12.07	-	-
Jackman, ME	\$7.38	\$6.54	13%	\$7.79	\$6.21	25%
Houlton, ME	\$6.81	\$10.25	-34%	\$11.32	\$5.68	99%
Massena, NY	\$5.38	\$7.20	-25%	\$7.38	\$5.11	44%
Sumas, WA	\$5.34	\$6.03	-11%	\$6.96	\$3.82	82%
Champlain, NY	\$4.33	\$8.88	-51%	\$8.76	\$4.24	106%
Portal, ND	\$3.86	\$4.32	-11%	\$4.30	\$2.76	56%
Waddington, NY	\$3.84	\$7.80	-51%	\$7.86	\$4.17	88%
Warroad, MN	\$3.80	\$5.71	-34%	\$5.88	\$3.01	95%
Highgate Springs, VT	\$3.36	\$5.84	-42%	\$5.93	\$3.63	63%
Pittsburg, NH	\$3.29	\$8.17	-60%	\$8.51	\$4.50	89%
Eastport, ID	\$3.21	\$4.79	-33%	\$5.42	\$3.20	69%
Sweetgrass, MT	\$3.07	\$2.11	45%	\$2.11	\$16.20	-87%
Detroit, MI	\$2.42	\$6.09	-60%	\$6.02	\$3.85	56%
Port of Morgan, MT	\$2.34	\$5.22	-55%	\$5.26	\$3.58	47%
St. Clair, MI	\$2.32	\$6.34	-63%	\$6.28	\$4.30	46%
Noyes, MN	\$2.31	\$5.76	-60%	\$5.74	\$3.51	63%
Grand Island, NY	\$2.21	\$6.46	-66%	\$6.41	\$3.83	67%
Babb, MT	\$2.21	\$4.32	-49%	\$4.35	\$3.05	43%
Sherwood, ND	\$2.21	\$5.47	-60%	\$5.50	\$3.71	48%
Whitlash, MT	\$2.12	\$4.23	-50%	\$4.26	\$2.96	44%
Buffalo, NY	\$1.85	\$2.50	-26%	\$2.50	\$2.43	3%
Marysville, MI	-	\$4.79	-	\$4.79	-	-
North Troy, VT	-	\$9.76	-	\$9.76	-	-
Sault Ste. Marie, MI	-	-	-	-	\$2.43	-
Average Price	\$3.19	\$5.68	-44%	\$6.01	\$3.64	65%
Exports to Canada						
Sumas, WA	\$3.75	\$6.86	-45%	\$11.16	\$3.92	185%
Calais, ME	\$3.70	\$8.35	-56%	\$8.61	\$4.92	75%
Waddington, NY	\$3.05	\$6.90	-56%	\$6.82	\$3.64	87%
Sweetgrass, MT	\$2.94	\$3.04	-3%	\$3.04	-	-
St. Clair, MI	\$2.65	\$6.12	-57%	\$6.10	\$3.69	65%
Sault Ste. Marie, MI	\$2.62	\$6.22	-58%	\$6.16	\$3.73	65%
Marysville, MI	\$2.47	\$5.32	-54%	\$5.34	\$3.76	42%
Detroit, MI	\$2.47	\$5.96	-59%	\$5.90	\$3.62	63%
Champlain, NY	\$2.40	-	-	-	-	-
Noyes, MN	\$2.22	\$5.97	-63%	\$5.94	\$3.37	76%
Pittsburg, NH	\$2.12	\$6.79	-69%	\$6.79	\$2.54	167%
Niagara Falls, NY	\$2.06	\$6.00	-66%	\$5.96	\$3.48	71%
Grand Island, NY	\$1.92	\$6.19	-69%	\$6.17	\$3.53	74%
Portal, ND	\$1.89	\$5.49	-65%	\$5.39	\$3.92	37%
Buffalo, NY	\$1.81	-	-	-	-	-
Eastport, ID	-	-	-	-	\$2.48	-
Massena, NY	-	-	-	-	\$2.73	-
Average Price	\$2.60	\$6.34	-59%	\$6.37	\$3.79	68%

Notes

- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- not applicable(-).
- Some points of entry/exit include pipeline and truck.

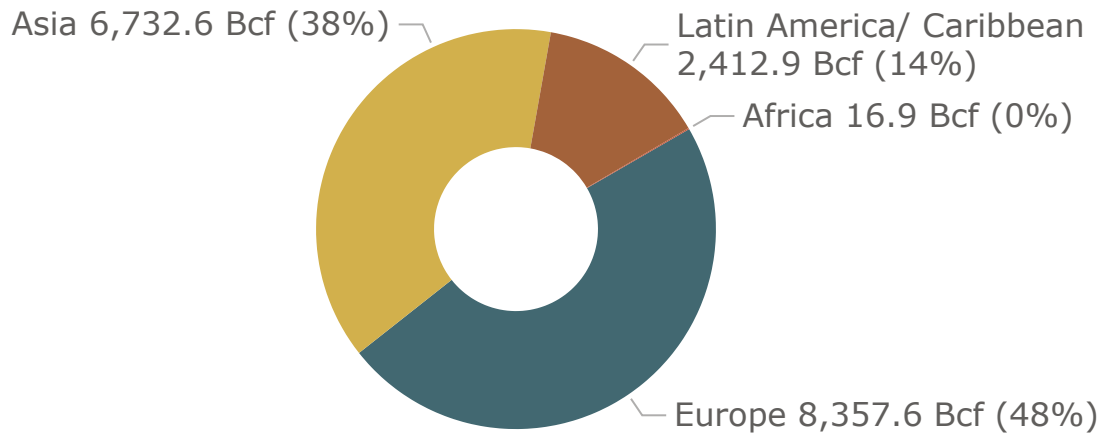
Appendices and Miscellaneous

Cumulative U.S.-Produced LNG Exports

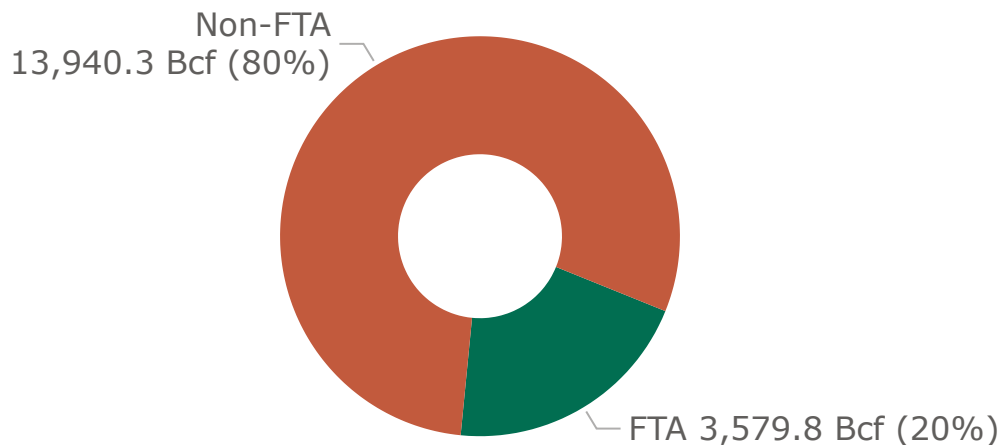
Cumulative Summary

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Cumulative U.S.-Produced LNG Exports by Region of Destination (Feb 2016 to Nov 2023)



Cumulative U.S.-Produced LNG Exports by Free Trade Agreement Status (Feb 2016 to Nov 2023)



22: Cumulative U.S.-Produced LNG Exports by Region of Destination (Feb 2016 to Nov 2023)

Region of Destination	Volume (Bcf)	Volume (% of Total)	No. of Cargos	No. of Countries	% nFTA
LNG Exports by Vessel					
Europe	8,357.6	47.7%	2613	15	100%
Asia	6,732.6	38.4%	2002	16	67%
Latin America/ Caribbean	2,406.9	13.7%	888	9	44%
Africa	16.9	0.1%	5	1	100%
Total	17,514.2	100.0%	5508	41	80%
LNG Exports by ISO Container					
Latin America/ Caribbean	5.9	0.0%	1578	6	100%
Europe	0.0	0.0%	1	1	100%
Total	5.9	0.0%	1579	7	100%
Total LNG Exports	17,520.1	100.0%		46	80%

Notes

- Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.
- Totals may not equal sum of components because of independent rounding.
- The world region classification is based on the United Nation standard country or area codes for statistical use (M49). For classification purposes, Turkiye is grouped into Europe.

Cumulative U.S.-Produced LNG Exports

Cumulative Summary

23: Cumulative U.S.-Produced LNG Exports by Country of Destination (Feb 2016 to Nov 2023)

Country of Destination	Rank	Volume (Bcf)	Volume (% of Total)	No. of Cargos
LNG Exports by Vessel				
South Korea*	1	1,965.6	11%	568
Japan	2	1,518.2	9%	445
France	3	1,417.2	8%	442
United Kingdom	4	1,393.9	8%	421
Spain	5	1,304.5	7%	417
Netherlands	6	1,274.7	7%	375
China	7	1,145.3	7%	344
India	8	777.4	4%	228
Turkiye	9	706.9	4%	221
Brazil	10	643.2	4%	232
Mexico*	11	556.8	3%	168
Italy	12	490.3	3%	151
Chile*	13	450.5	3%	143
Taiwan	14	421.0	2%	132
Poland	15	394.1	2%	118
Argentina	16	342.2	2%	142
Portugal	17	331.7	2%	104
Dominican Republic*	18	228.4	1%	95
Belgium	19	227.9	1%	71
Greece	20	206.6	1%	91
Lithuania	21	192.8	1%	62
Kuwait	22	191.5	1%	55
Germany	23	188.4	1%	60
Croatia	24	169.1	1%	55
Thailand	25	138.6	1%	39
Singapore*	26	130.7	1%	40
Pakistan	27	128.9	1%	40
Jordan*	28	127.5	1%	37
Bangladesh	29	85.4	0%	25
Panama*	30	71.2	0%	36
Jamaica	31	65.6	0%	40
United Arab Emirates	32	51.1	0%	15
Colombia*	33	49.0	0%	31
Finland	34	39.3	0%	14
Israel	35	28.0	0%	9
Malta	36	20.1	0%	11
Egypt	37	16.9	0%	5
Indonesia	38	13.0	0%	22
Philippines	39	6.8	0%	2
Malaysia	40	3.7	0%	1
El Salvador*	41	<0.1	0%	1
Total		17,514.2	100%	5508
LNG Exports by ISO Container				
Jamaica	1	2.0	0%	192
Bahamas	2	2.0	0%	833
Barbados	3	1.3	0%	305
Haiti	4	0.5	0%	165
Antigua and Barbuda	5	0.1	0%	82
Nicaragua*	6	<0.1	0%	1
Germany	7	<0.1	0%	1
Total		5.9	0%	1579
Total LNG Exports		17,520.1	100%	

Notes

- Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.
- Totals may not equal sum of components because of independent rounding.
- * For classification purposes, Israel is considered nFTA because the U.S. FTA with Israel does not require national treatment for natural gas, meaning natural gas is not covered as a good or service under the FTA.
- * Free Trade Agreement Countries.

Destination of U.S.-Produced LNG Delivered by Country and Region with Trade Agreement Status

Country	Region	FTA status	FTA Type	Name of FTA
Antigua and Barbuda	Latin America/ Caribbean	Non-FTA		
Argentina	Latin America/ Caribbean	Non-FTA		
Bahamas	Latin America/ Caribbean	Non-FTA		
Bangladesh	Asia	Non-FTA		
Barbados	Latin America/ Caribbean	Non-FTA		
Belgium	Europe	Non-FTA		
Brazil	Latin America/ Caribbean	Non-FTA		
Chile*	Latin America/ Caribbean	FTA	Bilateral	Chile Free Trade Agreement (CLFTA)
China	Asia	Non-FTA		
Colombia*	Latin America/ Caribbean	FTA	Bilateral	Colombia Trade Agreement (COTPA)
Croatia	Europe	Non-FTA		
Dominican Republic*	Latin America/ Caribbean	FTA	Multilateral	Central America-Dominican Republic FTA (CAFTA-DR)
Egypt	Africa	Non-FTA		
El Salvador*	Latin America/ Caribbean	FTA	Multilateral	Central America-Dominican Republic FTA (CAFTA-DR)
Finland	Europe	Non-FTA		
France	Europe	Non-FTA		
Germany	Europe	Non-FTA		
Greece	Europe	Non-FTA		
Haiti	Latin America/ Caribbean	Non-FTA		
India	Asia	Non-FTA		
Indonesia	Asia	Non-FTA		
Israel	Asia	Non-FTA	Bilateral	Israel Free Trade Area Agreement (ILFTA)
Italy	Europe	Non-FTA		
Jamaica	Latin America/ Caribbean	Non-FTA		
Japan	Asia	Non-FTA		
Jordan*	Asia	FTA	Bilateral	Jordan Free Trade Agreement (JOFTA)
Kuwait	Asia	Non-FTA		
Lithuania	Europe	Non-FTA		
Malaysia	Asia	Non-FTA		
Malta	Europe	Non-FTA		
Mexico*	Latin America/ Caribbean	FTA	Multilateral	U.S.-Mexico-Canada Agreement (USMCA)
Netherlands	Europe	Non-FTA		
Nicaragua*	Latin America/ Caribbean	FTA	Multilateral	Central America-Dominican Republic FTA (CAFTA-DR)
Pakistan	Asia	Non-FTA		
Panama*	Latin America/ Caribbean	FTA	Bilateral	Panama Trade Promotion Agreement (PATPA)
Philippines	Asia	Non-FTA		
Poland	Europe	Non-FTA		
Portugal	Europe	Non-FTA		
Singapore*	Asia	FTA	Bilateral	Singapore Free Trade Agreement (SGFTA)
South Korea*	Asia	FTA	Bilateral	Korea Free Trade Agreement (KORUS)
Spain	Europe	Non-FTA		
Taiwan	Asia	Non-FTA		
Thailand	Asia	Non-FTA		
Turkiye	Europe	Non-FTA		
United Arab Emirates	Asia	Non-FTA		
United Kingdom	Europe	Non-FTA		

Notes

- Source: Office of the United States Trade Representative
- The world region classification is based on the United Nation standard country or area codes for statistical use (M49). For classification purposes, Turkiye is grouped into Europe.
- * For classification purposes, Israel is considered nFTA because the U.S. FTA with Israel does not require national treatment for natural gas, meaning natural gas is not covered as a good or service under the FTA.

Notes and Definitions

1. Compressed Natural Gas (CNG)

Compressed natural gas (CNG) is natural gas that is compressed to less than 1% of the volume it occupies at standard atmospheric pressure.

2. Free Trade Agreement (FTA)

Countries that have a free trade agreement with the United States requiring national treatment for trade in natural gas.

3. Import & Export by truck & pipeline Prices

The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.

4. Imports and Exports by Truck

Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).

5. Liquefied Natural Gas (LNG)

Liquefied natural gas (LNG) is natural gas that has been liquefied by reducing its temperature to -260 degrees Fahrenheit at atmospheric pressure.

6. LNG Export Prices

LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.

7. LNG Import Prices

LNG import prices are landed and include the price of the LNG, the transportation cost to the U.S. terminal, and the cost of offloading the LNG but do not include the cost of regasification.

8. LNG Re-Exports

LNG re-exports are exports of foreign-sourced LNG that was previously imported into the U.S.

9. Long-Term

Long-term imports or exports are volumes traded under a company's long-term authorization. This type of authorization is for a term of more than two years and is for companies that intend on having long-term gas purchase and/or sales contracts.

10. Publication Date

Data are current as of the publication date. Any revisions to reported data will be published in the next scheduled Natural Gas Imports and Exports Monthly.

11. Reporting Metric

Authorization holders are required to file volume data in thousand cubic feet (Mcf). Therefore, data collected does not necessarily include equivalent amounts of energy, measured in million British thermal units (MMBtu).

12. Short-Term

Short-term imports or exports are those cargos imported or exported under a company's short-term or "blanket" authorization. This type of authorization covers supply contracts with terms up to 2 years, including spot cargos. The authorization is not based on a specific supply contract, but covers all of the importer's short-term supply deals. DOE does not have copies of those contracts and they are not filed with the applications.

13. Split Cargo

Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.

14. Spot Cargo

Spot cargos are a one-time transaction for near-term delivery of a specific quantity of LNG at a specific location. Spot cargos could be included in either long-term or short-term authorization types.

15. Volume

Authorization holders are required to file volume data in thousand cubic feet (Mcf). Therefore, data collected does not necessarily include equivalent amounts of energy, measured in million British thermal units (MMBtu).

16. World Region Classification

The world region classification is based on the United Nation standard country or area codes for statistical use (M49). For classification purposes, Turkiye is grouped into Europe.