



U.S. DEPARTMENT OF
ENERGY

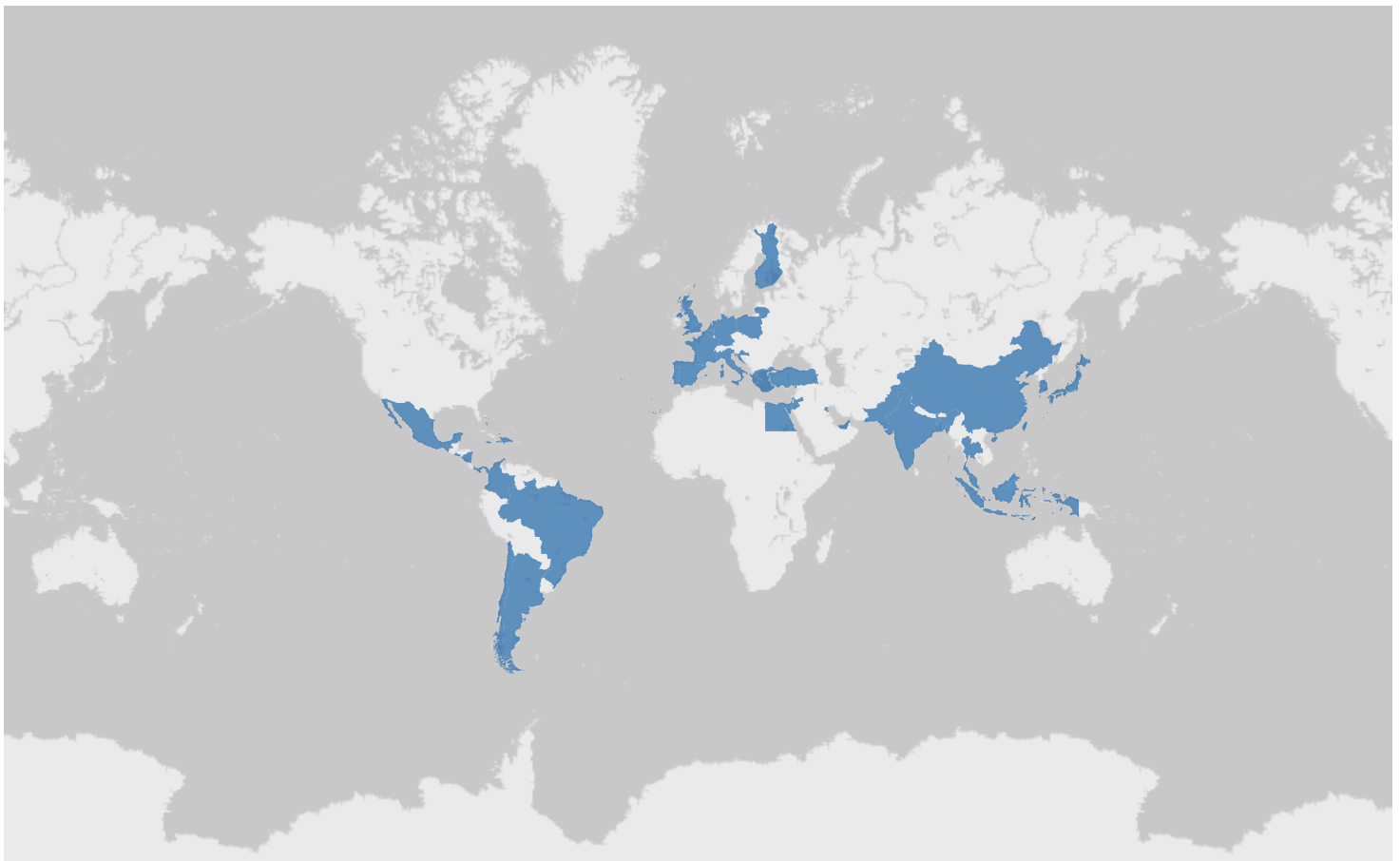
Fossil Energy and
Carbon Management

OFFICE OF RESOURCE SUSTAINABILITY

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

U.S. Natural Gas Imports and Exports Monthly September 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

September 2023

Summary

In September 2023, the United States exported 629.3 Bcf and imported 237.7 Bcf of natural gas, which resulted in 391.6 Bcf of net exports.

U.S. LNG Exports

The United States exported 350.2 Bcf (55.7% of total U.S. natural gas exports) of natural gas in the form of liquefied natural gas (LNG) to 30 countries.

- Europe (196.8 Bcf, 56.2%), Asia (122.5 Bcf, 35.0%), Latin America/ Caribbean (30.9 Bcf, 8.8%)
- 0.8% decrease from August 2023
- 18.6% increase from September 2022
- 86.3% of total LNG exports went to non-Free Trade Agreement countries (nFTA), while the remaining 13.7% went to Free Trade Agreement countries (FTA).

U.S. LNG exports to the top five countries of destination accounted for 42.2% of total U.S. LNG exports.

- Netherlands (39.7 Bcf, 11.3%), Japan (33.2 Bcf, 9.5%), France (28.7 Bcf, 8.2%), South Korea (24.1 Bcf, 6.9%), and Italy (22.1 Bcf, 6.3%).

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

The United States exported 202.4 Bcf of natural gas to Mexico and imported less than 0.1 Bcf of natural gas from Mexico, which resulted in 202.4 Bcf of net exports.

- 5.0% decrease from August 2023
- 19.7% increase from September 2022

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

The United States exported 76.6 Bcf of natural gas to Canada and imported 237.6 Bcf of natural gas from Canada, which resulted in 161.0 Bcf of net imports.

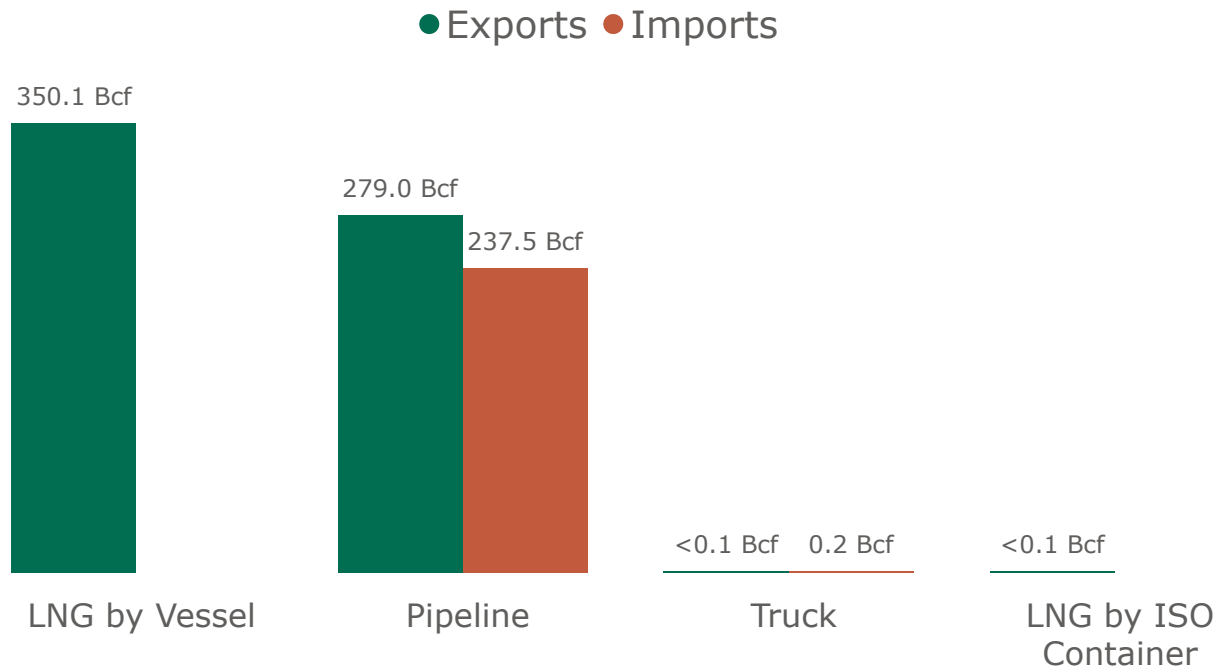
- 13.6% decrease from August 2023
- 10.6% decrease from September 2022

U.S. Natural Gas Imports & Exports

Monthly Summary

2

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



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

Volume (Bcf)	Monthly			Percentage Change		
	Mode of Transport	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
Exports						
LNG by Vessel	350.1	353.0	295.1	<1%	19%	
Pipeline	279.0	281.4	231.1	<1%	21%	
Truck	<0.1	<0.1	<0.1	82%	-46%	
LNG by ISO Container	<0.1	<0.1	0.2	13%	-56%	
Total	629.3	634.5	526.5	<1%	20%	
Imports						
LNG by Vessel	0	0	0	-	-	
Pipeline	237.5	254.4	241.9	-7%	-2%	
Truck	0.2	0.3	0.2	-27%	6%	
LNG by ISO Container	0	0	0	-	-	
Total	237.7	254.7	242.1	-7%	-2%	
Net Exports	391.6	379.8	284.4	3%	38%	

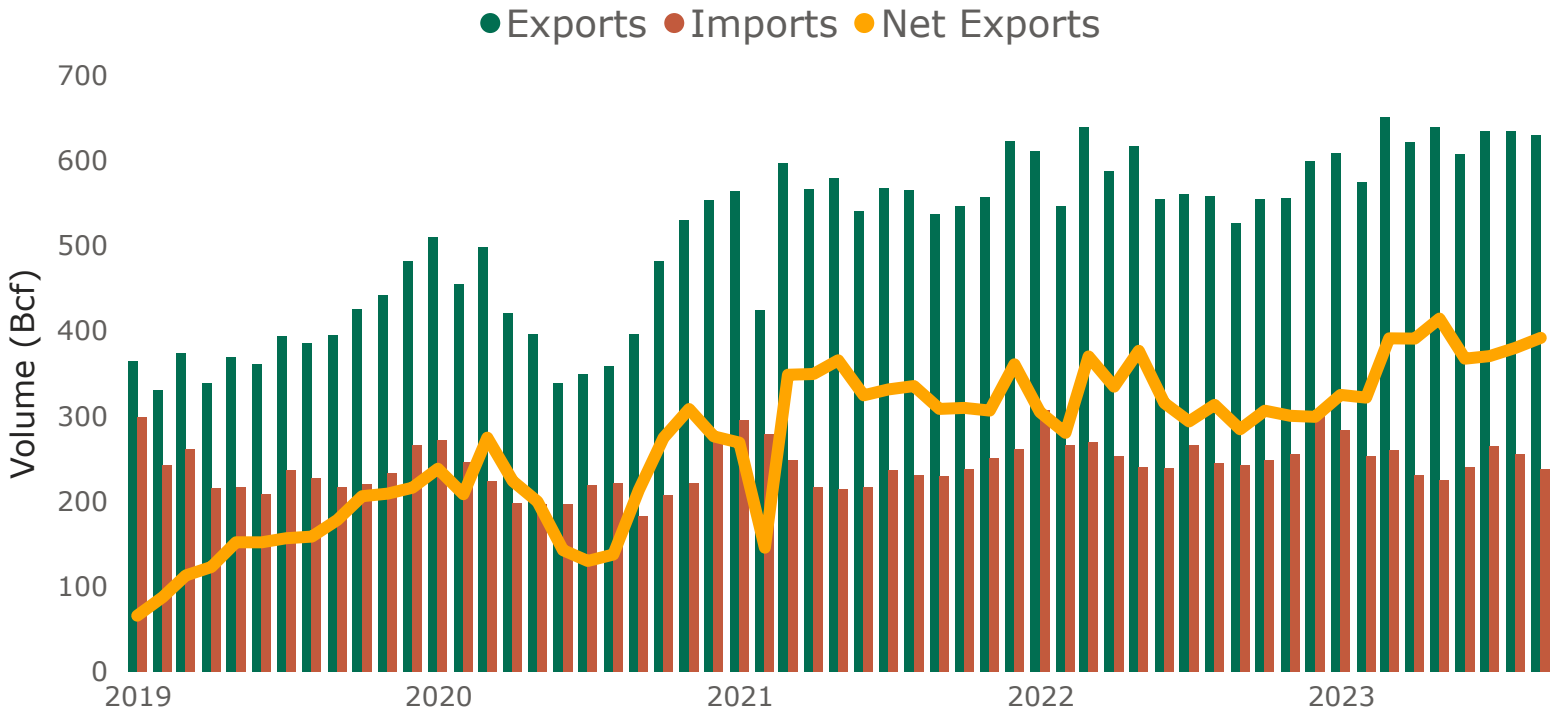
Notes

- 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-Sep)			Annual		
	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Exports						
LNG by Vessel	3,151.9	2,910.6	8%	3,861.9	3,558.3	9%
Pipeline	2,445.3	2,285.2	7%	3,040.8	3,103.3	-2%
Truck	0.6	1.1	-46%	1.6	1.6	3%
LNG by ISO Container	0.9	1.5	-40%	2.1	1.1	83%
Total	5,598.8	5,198.5	8%	6,906.4	6,664.4	4%
Imports						
LNG by Vessel	10.5	19.5	-46%	23.5	21.4	10%
Pipeline	2,235.4	2,306.0	-3%	3,104.0	2,890.5	7%
Truck	1.8	1.5	27%	2.1	0.5	296%
LNG by ISO Container	0	0	-	0	0	-
Total	2,247.8	2,327.0	-3%	3,129.7	2,912.4	7%
Net Exports	3,351.0	2,871.5	17%	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(-).

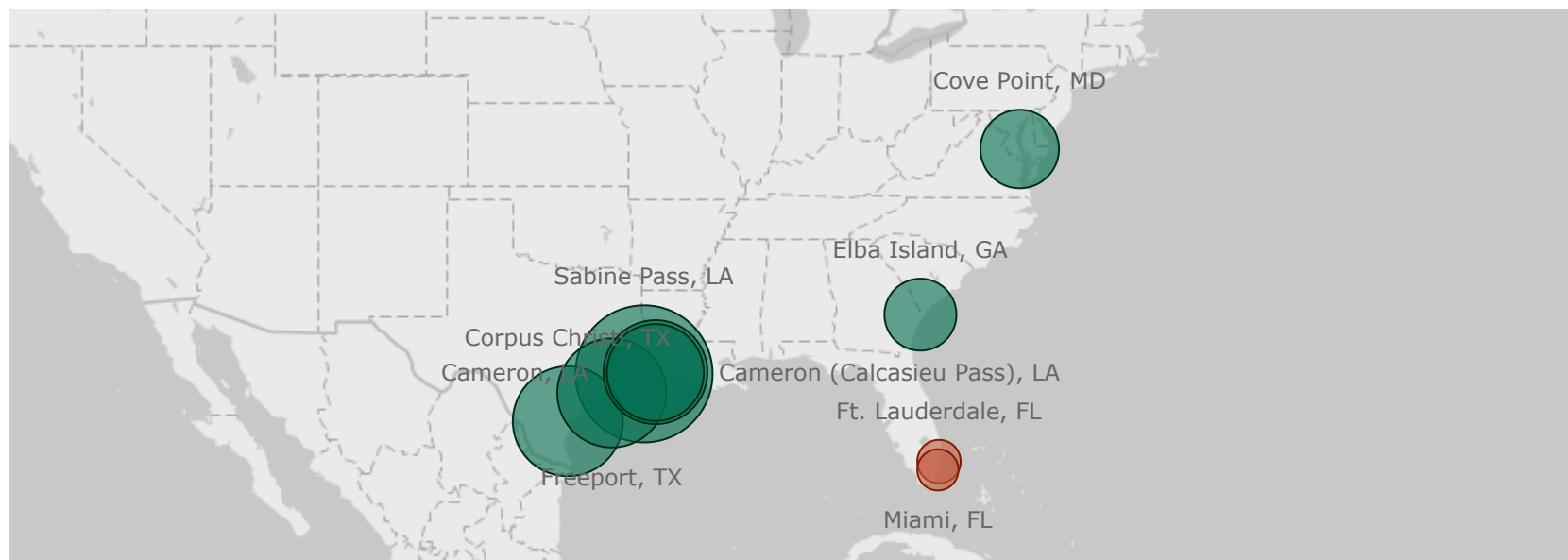
U.S. Liquefied Natural Gas (LNG) Imports & Exports by Vessel and ISO Container

U.S.-Produced LNG Exports

Monthly Summary

U.S.-Produced LNG Exports by Point of Exit (September 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	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023					Sep 2023 vs. Sep 2022
LNG Exports by Vessel										
Sabine Pass, LA	115.4	118.5	115.6	-3%	<1%	33	18	88%	0%	
Corpus Christi, TX	59.4	62.4	59.8	-5%	<1%	17	10	89%	0%	
Freeport, TX	57.7	61.4	0	-6%	-	18	11	81%	0%	
Cameron, LA	49.4	50.1	52.6	-1%	-6%	15	10	80%	0%	
Cameron (Calcasieu Pass), LA	39.0	35.7	38.5	9%	1%	13	8	91%	54%	
Cove Point, MD	17.5	21.9	18.8	-20%	-7%	5	3	100%	0%	
Elba Island, GA	11.9	2.9	9.7	3X	22%	6	4	75%	0%	
Total	350.1	353.0	295.1	<1%	19%	107	27	86%	6%	
LNG Exports by ISO Container										
Ft. Lauderdale, FL	<0.1	<0.1	0.2	11%	-57%	31	3	100%	0%	
Miami, FL	<0.1	<0.1	<0.1	66%	-15%	5	1	100%	0%	
Jacksonville, FL	0	0	0	-	-	-	0	0%	0%	
Newark, NJ	0	0	0	-	-	-	0	0%	0%	
Total	<0.1	<0.1	0.2	13%	-56%	36	4	100%	0%	
Total LNG Exports	350.2	353.0	295.3	<1%	19%	-	30	86%	6%	

Notes

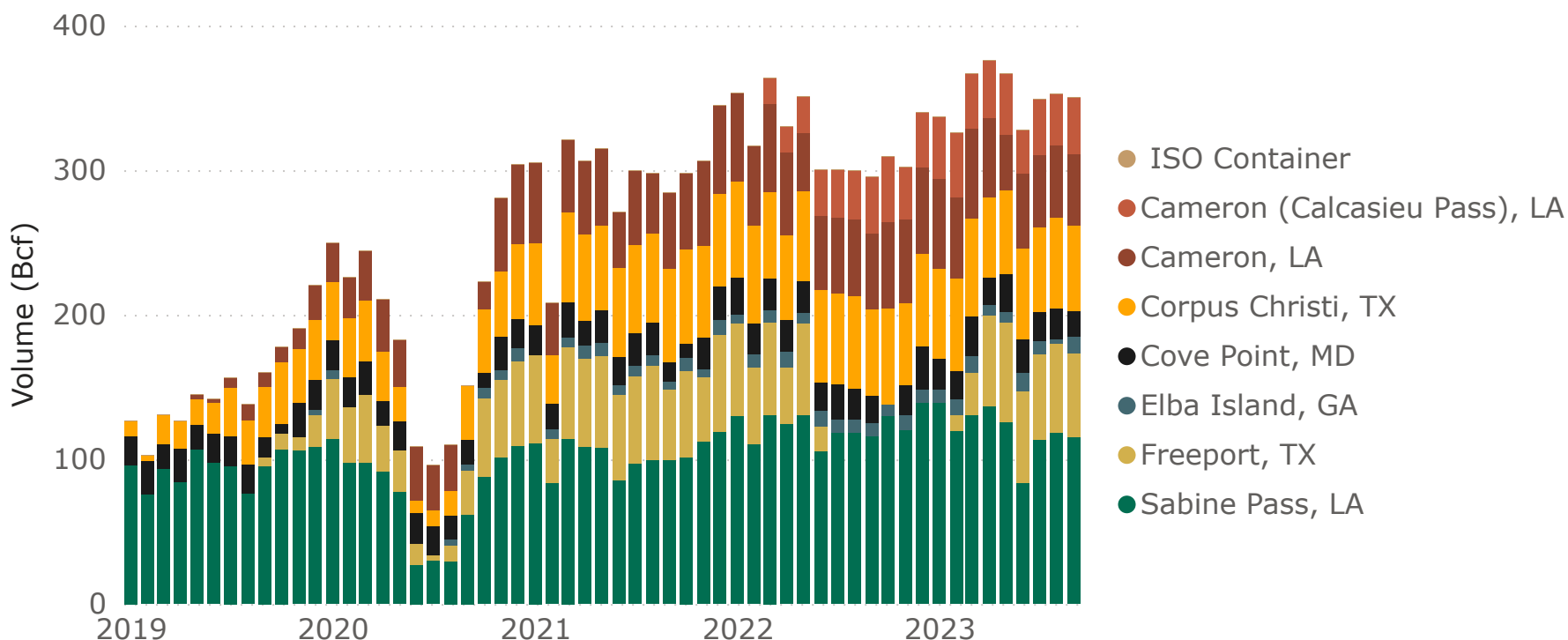
- Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).

U.S.-Produced LNG Exports

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-Sep)			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	1,083.8	1,085.4	<1%	1,475.0	1,240.7	19%	323	33	89%	0%
Corpus Christi, TX	550.4	565.4	-3%	753.3	712.2	6%	164	26	92%	0%
Cameron, LA	475.0	483.5	-2%	660.4	602.8	10%	158	25	90%	0%
Freeport, TX	413.4	301.0	37%	301.0	683.9	-56%	152	24	81%	5%
Cameron (Calcasieu Pass), LA	350.6	198.7	76%	317.8	0	-	112	20	92%	50%
Cove Point, MD	195.6	195.7	<1%	245.9	234.2	5%	62	15	98%	0%
Elba Island, GA	83.2	81.0	3%	108.4	84.4	28%	35	15	86%	0%
Total	3,151.9	2,910.6	8%	3,861.9	3,558.3	9%	1,006	35	89%	6%
LNG Exports by ISO Container										
Ft. Lauderdale, FL	0.9	1.5	-39%	2.1	1.1	80%	223	4	100%	0%
Miami, FL	<0.1	<0.1	-52%	<0.1	<0.1	13X	22	1	100%	0%
Jacksonville, FL	0	0	-	<0.1	<0.1	-83%	-	0	0%	0%
Newark, NJ	0	0	-	<0.1	0	-	-	0	0%	0%
Total	0.9	1.5	-40%	2.1	1.1	83%	245	4	100%	0%
Total LNG Exports	3,152.9	2,912.1	8%	3,864.0	3,559.4	9%	-	38	89%	6%

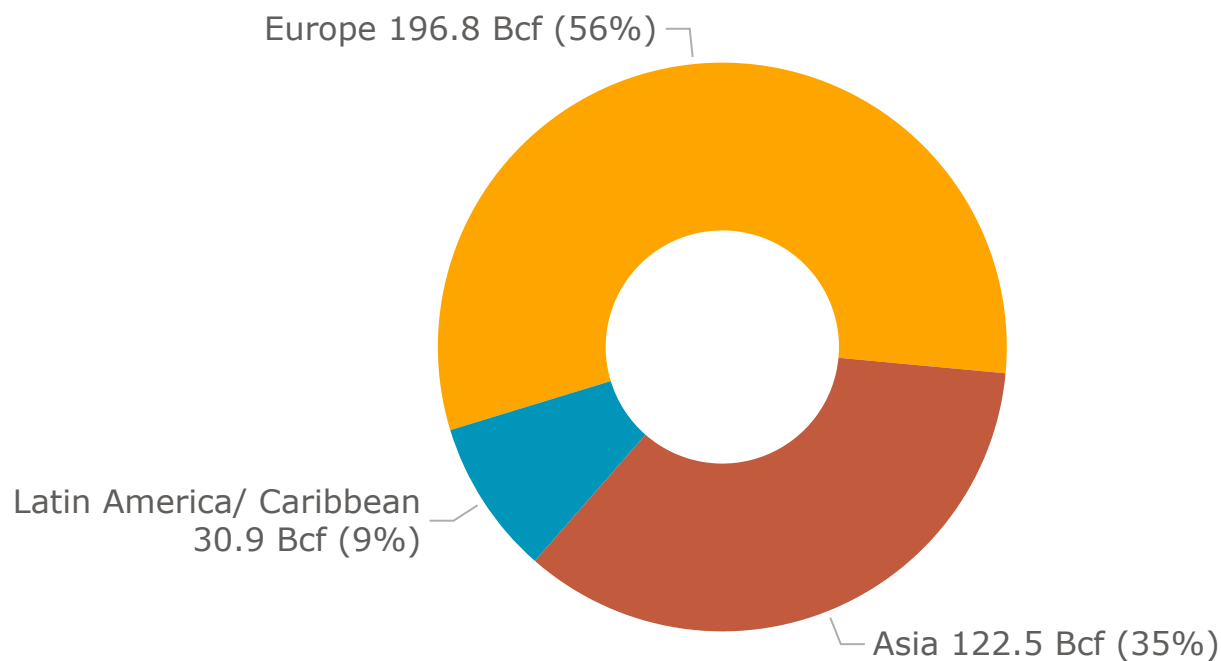
Notes

- 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 (September 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
	Region of Destination	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023				
LNG Exports by Vessel									
Europe	196.8	199.2	219.9	-1%	-11%	58	14	100%	7%
Asia	122.5	134.2	68.5	-9%	79%	38	8	77%	6%
Latin America/ Caribbean	30.8	19.6	6.7	58%	4X	11	5	34%	0%
Total	350.1	353.0	295.1	<1%	19%	107	27	86%	6%
LNG Exports by ISO Container									
Latin America/ Caribbean	<0.1	<0.1	0.2	13%	-56%	36	4	100%	0%
Total	<0.1	<0.1	0.2	13%	-56%	36	4	100%	0%
Total LNG Exports	350.2	353.0	295.3	<1%	19%	-	30	86%	6%

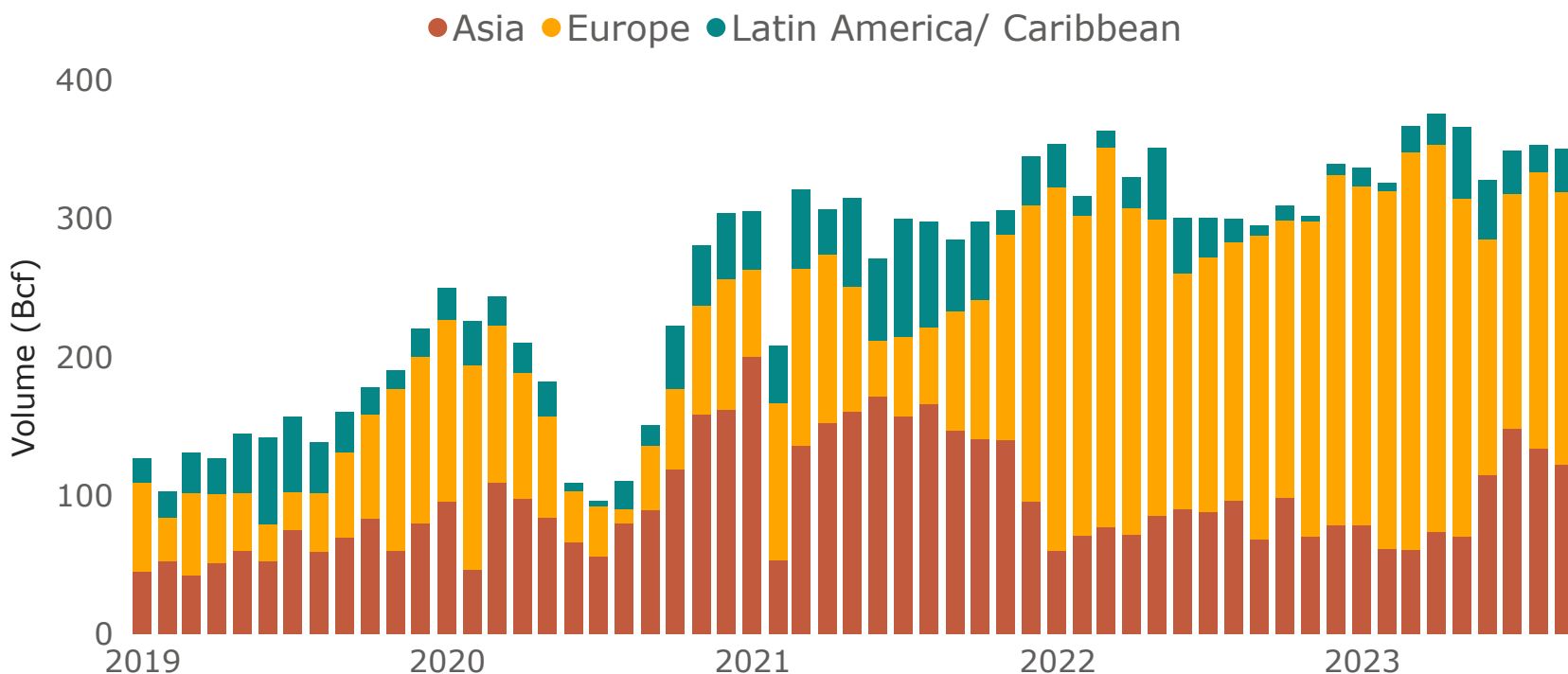
Notes

- 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.

U.S.-Produced LNG Exports

Year-to-Date and Annual Summary

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-Sep)			Annual			No. of Cargos	No. of Countries	% nFTA	% Spot
Region of Destination	YTD 2023	YTD 2022	% Change	2022	2021	% Change	YTD 2023	YTD 2023	YTD 2023	YTD 2023
LNG Exports by Vessel										
Europe	2,051.1	1,980.5	4%	2,662.4	1,218.2	119%	632	15	100%	6%
Asia	865.6	708.6	22%	956.2	1,723.0	-45%	268	11	76%	5%
Latin America/Caribbean	235.3	221.4	6%	243.3	617.1	-61%	106	9	47%	11%
Total	3,151.9	2,910.6	8%	3,861.9	3,558.3	9%	1,006	35	89%	6%
LNG Exports by ISO Container										
Latin America/Caribbean	0.9	1.5	-40%	2.1	1.1	83%	245	4	100%	0%
Europe	0	0	-	<0.1	0	-	-	0	0%	0%
Total	0.9	1.5	-40%	2.1	1.1	83%	245	4	100%	0%
Total LNG Exports	3,152.9	2,912.1	8%	3,864.0	3,559.4	9%	-	38	89%	6%

Notes

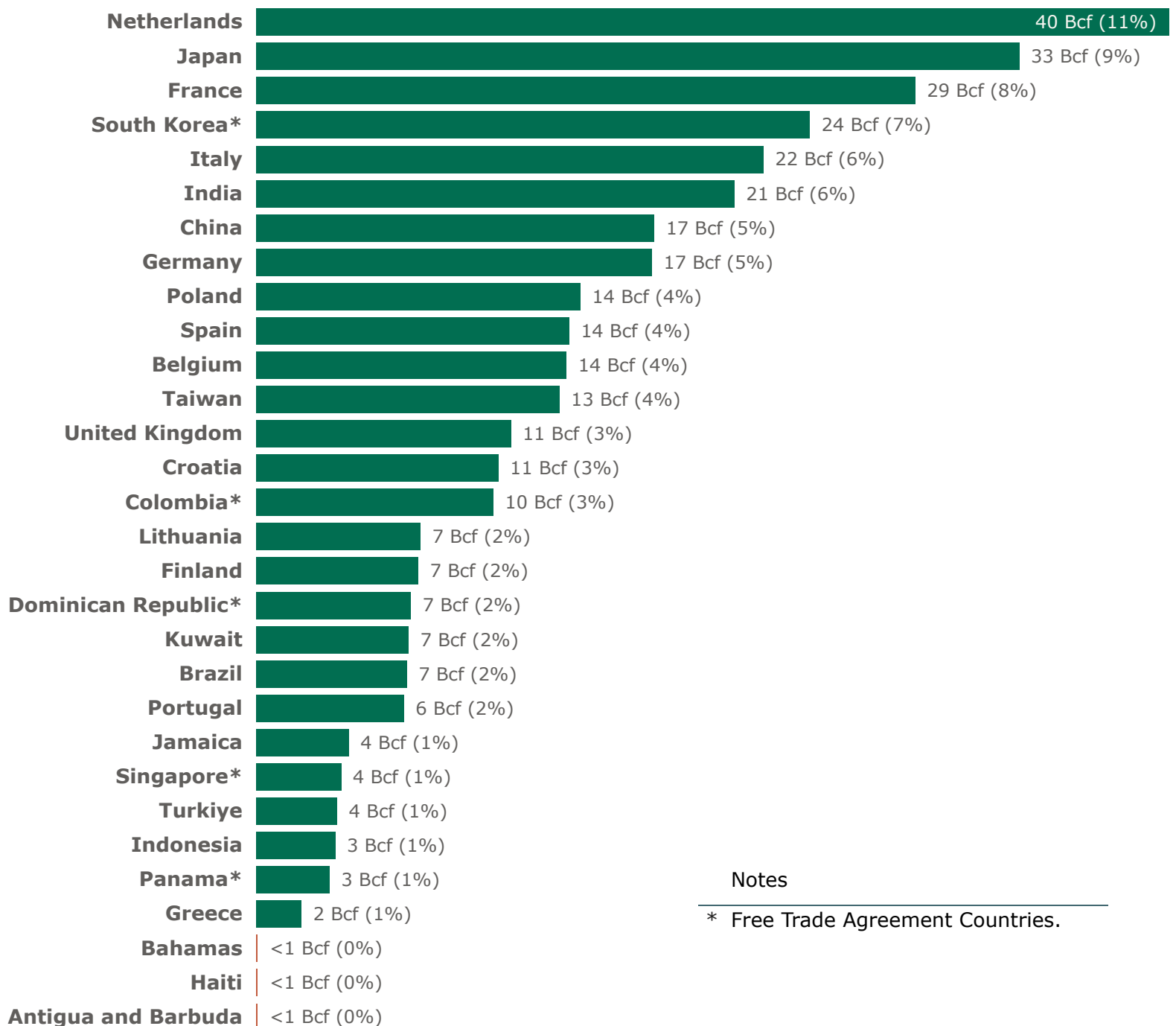
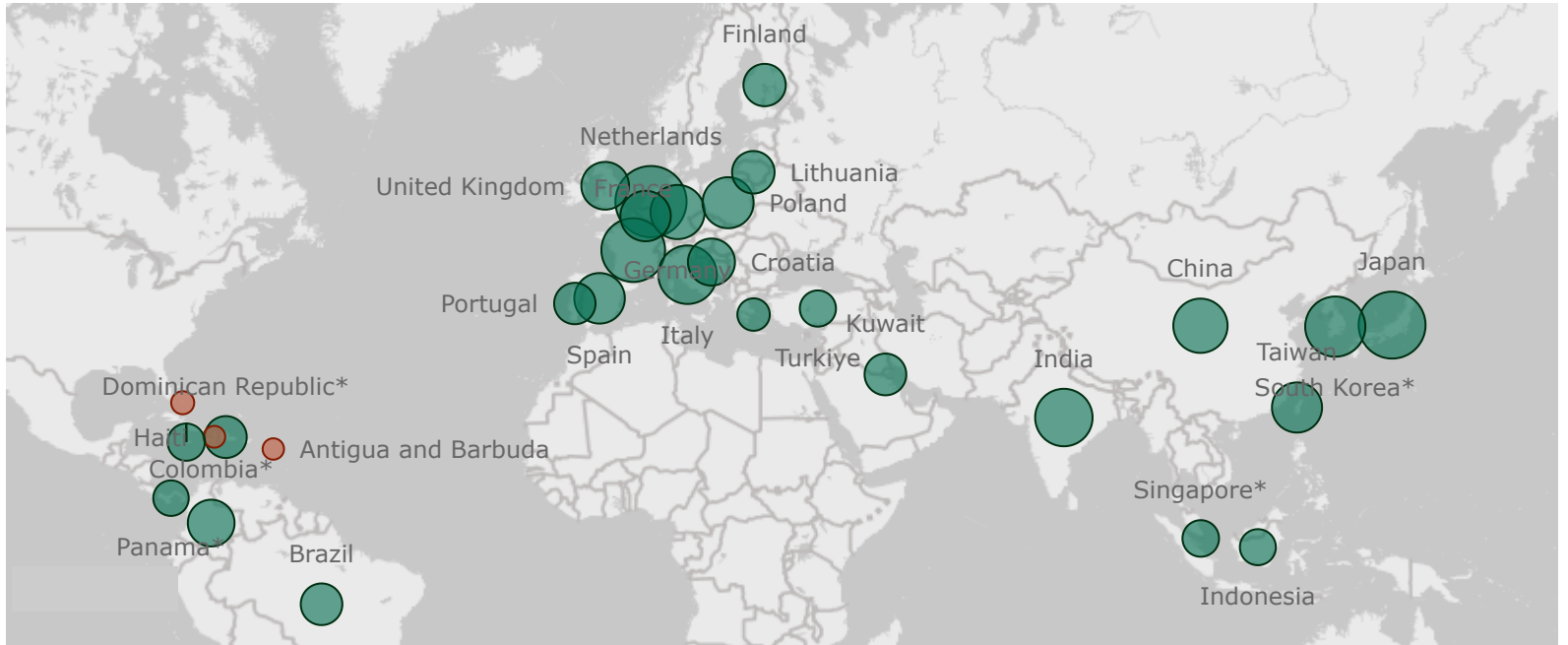
- Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).
- The world region classification is based on the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

U.S.-Produced LNG Exports

Map

4: U.S.-Produced LNG Exports by Country of Destination (September 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	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022	Sep 2023	Sep 2023
LNG Exports by Vessel							
Netherlands	39.7	57.4	30.9	-31%	29%	12	0%
Japan	33.2	27.8	7.0	19%	4X	10	0%
France	28.7	34.3	57.9	-16%	-50%	8	0%
South Korea*	24.1	34.9	19.7	-31%	22%	7	0%
Italy	22.1	21.5	8.4	3%	164%	7	17%
India	20.8	13.7	10.5	52%	98%	6	0%
China	17.3	14.3	10.3	22%	69%	5	20%
Germany	17.2	16.9	0	2%	-	5	20%
Poland	14.1	10.5	16.9	34%	-17%	4	0%
Spain	13.6	20.0	21.3	-32%	-36%	4	0%
Belgium	13.5	3.4	9.2	3X	47%	4	0%
Taiwan	13.2	14.1	9.8	-6%	35%	4	0%
United Kingdom	11.1	7.1	51.5	55%	-78%	3	0%
Croatia	10.5	3.0	9.1	249%	16%	3	0%
Colombia*	10.3	3.1	0	228%	-	3	0%
Lithuania	7.2	7.0	3.5	2%	102%	2	0%
Finland	7.1	6.6	0	6%	-	2	100%
Dominican Republic*	6.7	10.1	3.2	-33%	111%	2	0%
Kuwait	6.6	3.3	7.0	102%	-6%	2	0%
Brazil	6.6	3.3	0	100%	-	2	0%
Portugal	6.4	6.7	5.8	-3%	11%	2	0%
Jamaica	4.0	<0.1	0.1	20167X	30X	3	0%
Singapore*	3.7	3.4	0	9%	-	1	0%
Turkiye	3.5	0	5.5	-	-35%	1	0%
Indonesia	3.4	0.8	0.5	3X	6X	3	100%
Panama*	3.2	0	0	-	-	1	0%
Greece	2.0	4.7	0	-58%	-	1	0%
Argentina	0	0	0	-	-	-	0%
Bangladesh	0	7.1	0	-100%	-	-	0%
Chile*	0	3.1	3.4	-100%	-100%	-	0%
El Salvador*	0	0	0	-	-	-	0%
Israel	0	0	0	-	-	-	0%
Jordan*	0	0	0	-	-	-	0%
Malta	0	0	0	-	-	-	0%
Mexico*	0	0	0	-	-	-	0%
Pakistan	0	0	0	-	-	-	0%
Thailand	0	14.8	3.7	-100%	-100%	-	0%
Total	350.1	353.0	295.1	<1%	19%	107	6%
LNG Exports by ISO Container							
Bahamas	<0.1	<0.1	<0.1	9%	18%	19	0%
Haiti	<0.1	<0.1	<0.1	9%	20%	4	0%
Antigua and Barbuda	<0.1	<0.1	<0.1	31%	162%	8	0%
Jamaica	<0.1	<0.1	0.1	66%	-96%	5	0%
Barbados	0	0	0	-	-	-	0%
Germany	0	0	0	-	-	-	0%
Nicaragua*	0	0	0	-	-	-	0%
Total	<0.1	<0.1	0.2	13%	-56%	36	0%
Total LNG Exports	350.2	353.0	295.3	<1%	19%	-	6%

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-Sep)			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	454.0	278.1	63%	378.3	174.3	117%	131	4%
France	336.2	440.5	-24%	571.4	170.8	235%	104	8%
United Kingdom	331.7	272.4	22%	464.5	195.0	138%	98	3%
Japan	222.9	153.6	45%	209.2	354.9	-41%	66	3%
Spain	190.2	340.0	-44%	426.7	215.1	98%	63	4%
South Korea*	186.2	215.1	-13%	292.7	453.5	-35%	57	<1%
Germany	149.0	0	-	7.1	0	-	46	21%
Italy	148.8	105.8	41%	116.0	34.2	239%	44	5%
China	126.5	49.8	154%	96.7	453.3	-79%	43	14%
India	122.5	91.2	34%	122.5	196.2	-38%	35	11%
Poland	100.1	103.0	-3%	127.4	56.3	126%	31	0%
Taiwan	87.6	84.9	3%	106.7	99.3	7%	26	0%
Turkiye	78.9	132.3	-40%	192.1	188.8	2%	24	4%
Argentina	76.9	66.9	15%	66.9	83.4	-20%	-	15%
Portugal	59.9	48.8	23%	69.6	65.9	6%	19	0%
Dominican Republic*	53.1	40.7	30%	50.8	53.1	-4%	23	20%
Belgium	51.5	69.8	-26%	80.2	5.6	13X	17	13%
Croatia	42.4	63.0	-33%	77.3	36.1	114%	13	0%
Lithuania	41.9	63.2	-34%	77.2	30.9	150%	13	0%
Thailand	40.5	26.0	56%	26.0	14.5	79%	-	0%
Kuwait	35.2	53.7	-35%	57.0	34.5	65%	10	0%
Finland	32.8	0	-	0.3	0	-	11	32%
Chile*	31.2	30.1	4%	30.1	121.9	-75%	-	0%
Greece	31.1	61.3	-49%	69.0	39.7	74%	17	1%
Brazil	27.6	68.6	-60%	72.0	307.7	-77%	12	12%
Bangladesh	17.6	12.7	39%	12.7	37.7	-66%	-	20%
Singapore*	17.1	16.4	5%	23.0	20.9	10%	5	0%
Colombia*	16.3	2.0	7X	5.7	2.2	154%	8	2%
Panama*	15.7	9.7	62%	13.8	8.4	63%	6	0%
Mexico*	8.2	3.3	150%	3.8	15.2	-75%	-	0%
Jamaica	6.2	0.1	47X	0.1	25.1	-99%	10	0%
Indonesia	6.1	2.2	179%	6.6	3.3	101%	9	57%
Jordan*	3.3	0	-	0	0	-	-	0%
Malta	2.6	2.3	11%	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	3,151.9	2,910.6	8%	3,861.9	3,558.3	9%	1,006	6%
LNG Exports by ISO Container								
Jamaica	0.4	1.0	-56%	1.4	0.2	5X	45	0%
Bahamas	0.4	0.4	7%	0.5	0.5	<1%	137	0%
Haiti	<0.1	0.1	-22%	0.1	0.1	-16%	28	0%
Antigua and Barbuda	<0.1	<0.1	76%	<0.1	<0.1	184%	35	0%
Barbados	0	<0.1	-100%	<0.1	0.3	-69%	-	0%
Germany	0	0	-	<0.1	0	-	-	0%
Nicaragua*	0	0	-	0	<0.1	-100%	-	0%
Total	0.9	1.5	-40%	2.1	1.1	83%	245	0%
Total LNG Exports	3,152.9	2,912.1	8%	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	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
LNG Exports by Vessel												
Asia	98.7	70.0	78.8	78.4	61.7	60.8	74.1	70.2	115.2	148.3	134.2	122.5
Europe	200.1	228.4	253.3	245.5	258.4	287.3	279.5	244.6	169.8	169.8	199.2	196.8
Latin America/Caribbean	10.6	3.8	7.4	12.9	5.8	18.5	22.0	51.8	42.7	31.1	19.6	30.8
Total	309.4	302.3	339.6	336.9	326.0	366.7	375.7	366.7	327.8	349.2	353.0	350.1
LNG Exports by ISO Container												
Europe	0	<0.1	0	0	0	0	0	0	0	0	0	0
Latin America/Caribbean	0.2	0.2	0.2	0.2	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total	0.2	0.2	0.2	0.2	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total LNG Exports	309.6	302.5	339.8	337.0	326.2	366.8	375.8	366.7	327.8	349.3	353.0	350.2

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

Volume (Bcf)	2022			2023								
Point of Exit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
LNG Exports by Vessel												
Cameron (Calcasieu Pass), LA	45.3	36.1	37.8	42.8	45.0	38.1	39.7	41.8	29.9	38.7	35.7	39.0
Cameron, LA	59.5	58.0	59.4	62.1	55.9	61.9	54.8	38.9	52.2	49.8	50.1	49.4
Corpus Christi, TX	66.8	57.0	64.1	62.6	64.1	67.5	55.6	57.7	62.4	58.6	62.4	59.4
Cove Point, MD	0	20.4	29.8	20.8	19.4	27.8	18.8	26.3	23.3	19.9	21.9	17.5
Elba Island, GA	7.4	10.6	9.4	9.4	10.6	11.4	7.3	7.4	13.0	9.3	2.9	11.9
Freeport, TX	0	0	0	0	11.6	29.0	62.5	68.4	63.3	59.5	61.4	57.7
Sabine Pass, LA	130.4	120.1	139.2	139.2	119.5	131.0	137.0	126.2	83.7	113.3	118.5	115.4
Total	309.4	302.3	339.6	336.9	326.0	366.7	375.7	366.7	327.8	349.2	353.0	350.1
LNG Exports by ISO Container												
Ft. Lauderdale, FL	0.2	0.2	0.2	0.2	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Jacksonville, FL	0	<0.1	0	0	0	0	0	0	0	0	0	0
Miami, FL	<0.1	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Newark, NJ	0	<0.1	0	0	0	0	0	0	0	0	0	0
Total	0.2	0.2	0.2	0.2	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total LNG Exports	309.6	302.5	339.8	337.0	326.2	366.8	375.8	366.7	327.8	349.3	353.0	350.2

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

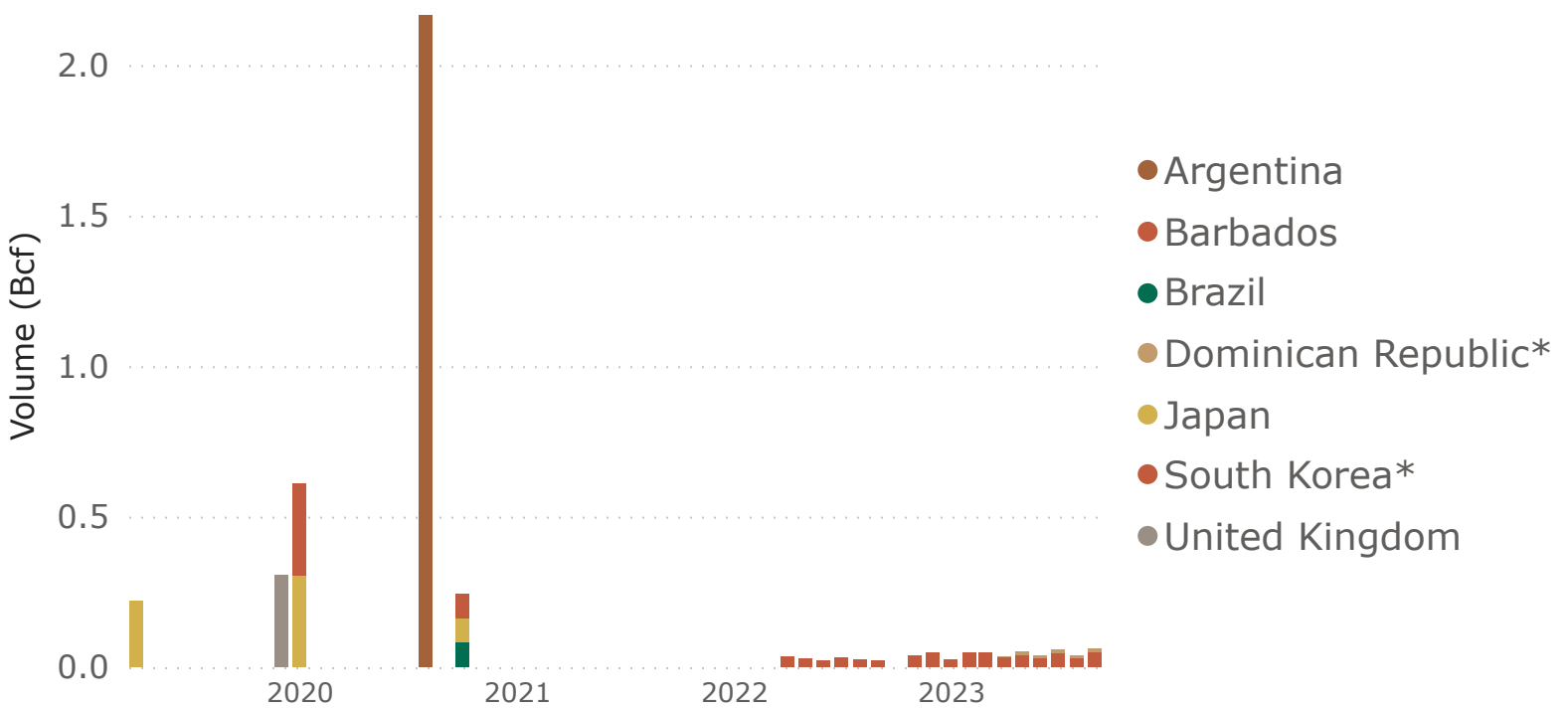
Volume (Bcf)	2022			2023								
	Country of Destination	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
LNG Exports by Vessel												
Argentina	0	0	0	0	2.3	2.3	11.5	26.9	22.7	11.2	0	0
Bangladesh	0	0	0	3.4	0	0	0	3.6	3.6	0	7.1	0
Belgium	7.2	0	3.3	3.6	7.3	8.1	4.8	3.8	7.0	0	3.4	13.5
Brazil	3.4	0	0	0	0	1.3	3.6	4.2	8.6	0	3.3	6.6
Chile*	0	0	0	3.3	0	7.3	0	6.4	4.0	7.1	3.1	0
China	22.6	17.3	7.0	17.9	2.6	5.1	3.4	6.6	20.3	39.0	14.3	17.3
Colombia*	3.7	0	0	0	0	0	0	2.8	0	0	3.1	10.3
Croatia	2.9	5.1	6.2	2.9	6.0	3.7	3.2	2.9	0	10.1	3.0	10.5
Dominican Republic*	3.5	0	6.6	3.6	3.5	0.9	6.9	7.9	7.4	6.1	10.1	6.7
El Salvador*	0	0	0	0	0	0	0	0	0	<0.1	0	0
Finland	0	0	0.3	0	0	6.9	0	6.9	1.6	3.7	6.6	7.1
France	42.0	50.7	38.3	34.1	39.5	28.6	53.2	51.7	45.6	20.6	34.3	28.7
Germany	0	0	7.1	14.3	8.2	24.8	18.5	16.0	15.8	17.2	16.9	17.2
Greece	4.4	0.4	2.9	3.2	6.8	3.2	3.9	4.5	2.9	0	4.7	2.0
India	7.0	10.1	14.1	7.0	14.1	10.2	14.6	7.1	14.5	20.5	13.7	20.8
Indonesia	0.6	0.5	3.3	0.8	0	0	0	0	0	1.1	0.8	3.4
Italy	0	3.2	7.0	10.1	17.6	13.7	17.4	18.5	14.0	13.9	21.5	22.1
Jamaica	0	0	0	0	0	0.4	0	0.3	<0.1	1.4	<0.1	4.0
Japan	10.7	24.4	20.5	17.7	14.1	20.1	13.7	27.9	28.0	40.4	27.8	33.2
Jordan*	0	0	0	0	0	0	0	0	0	3.3	0	0
Kuwait	3.3	0	0	0	0	0	3.7	3.8	10.7	7.1	3.3	6.6
Lithuania	7.1	3.7	3.3	6.7	0	3.6	3.4	7.0	3.6	3.4	7.0	7.2
Malta	0	2.9	0	2.6	0	0	0	0	0	0	0	0
Mexico*	0	0	0.5	3.2	0	3.1	0	0	0	2.0	0	0
Netherlands	39.7	20.6	39.9	36.5	39.3	61.0	60.2	60.7	45.9	53.3	57.4	39.7
Panama*	0	3.8	0.2	2.7	0	3.2	0	3.3	0	3.3	0	3.2
Poland	7.1	3.5	13.9	11.5	10.3	7.2	7.2	17.4	18.0	3.6	10.5	14.1
Portugal	7.0	3.7	10.0	6.8	6.1	6.1	4.2	10.4	3.2	9.8	6.7	6.4
Singapore*	6.6	0	0	0	0	0	0	0	10.0	0	3.4	3.7
South Korea*	38.8	14.1	24.7	24.5	22.7	10.8	24.7	11.0	17.0	16.5	34.9	24.1
Spain	26.4	26.4	33.8	14.0	32.1	38.1	13.7	12.3	12.3	34.1	20.0	13.6
Taiwan	9.0	3.6	9.2	3.5	6.6	10.3	9.8	10.3	6.8	13.1	14.1	13.2
Thailand	0	0	0	3.7	1.8	4.2	4.2	0	4.2	7.5	14.8	0
Turkiye	10.3	31.4	18.0	36.1	13.4	11.9	13.9	0	0	0	0	3.5
United Kingdom	46.0	76.7	69.3	63.0	71.7	70.5	75.8	32.4	0	0	7.1	11.1
Total	309.4	302.3	339.6	336.9	326.0	366.7	375.7	366.7	327.8	349.2	353.0	350.1
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	<0.1	0	0	0	0	0	0	0	0	0	0
Germany	0	<0.1	0	0	0	0	0	0	0	0	0	0
Haiti	0	0	<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	0.1	0.1	0.2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total	0.2	0.2	0.2	0.2	0.2	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total LNG Exports	309.6	302.5	339.8	337.0	326.2	366.8	375.8	366.7	327.8	349.3	353.0	350.2

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	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
LNG Re-Exports by ISO Container												
Penuelas, PR												
Barbados	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
San Juan, PR												
Dominican Republic*	0	0	0	0	0	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total LNG Re-Exports	0	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

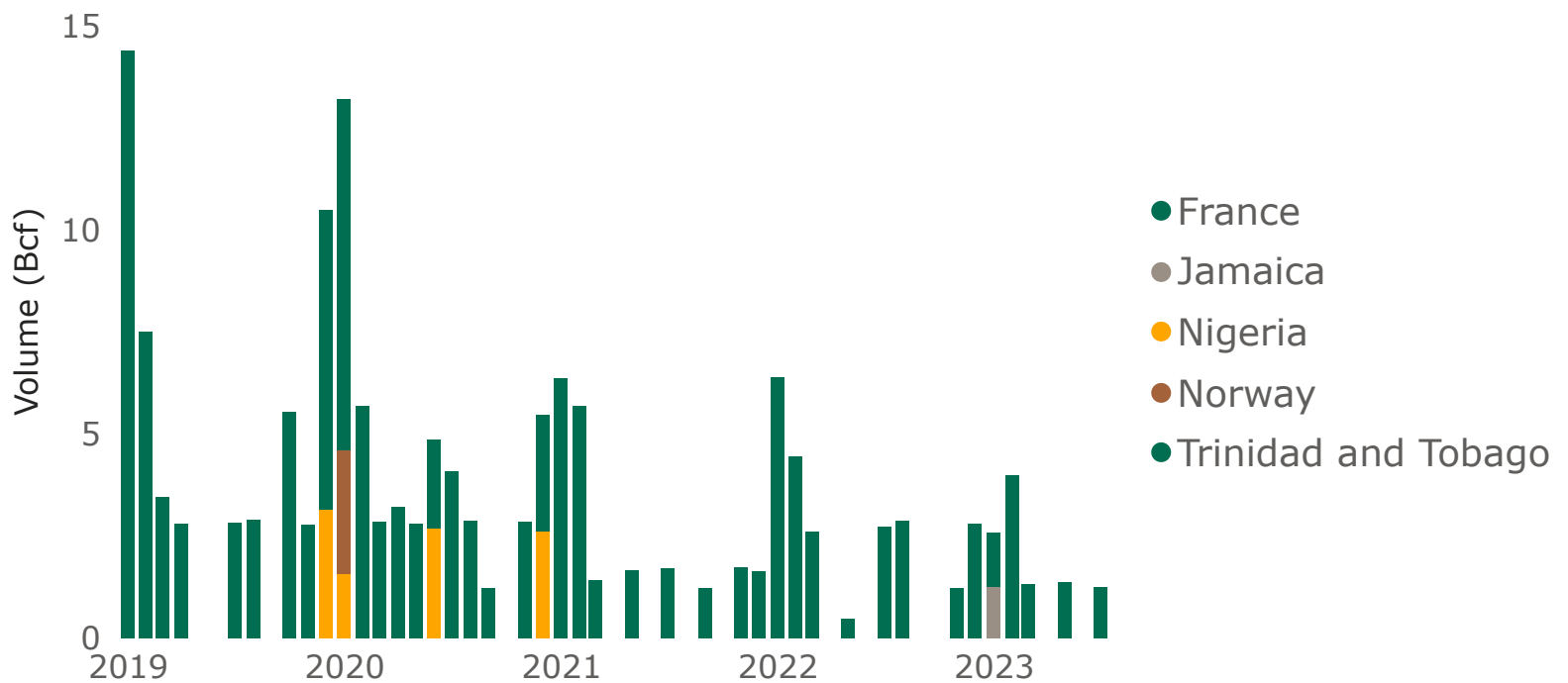
Notes

- 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



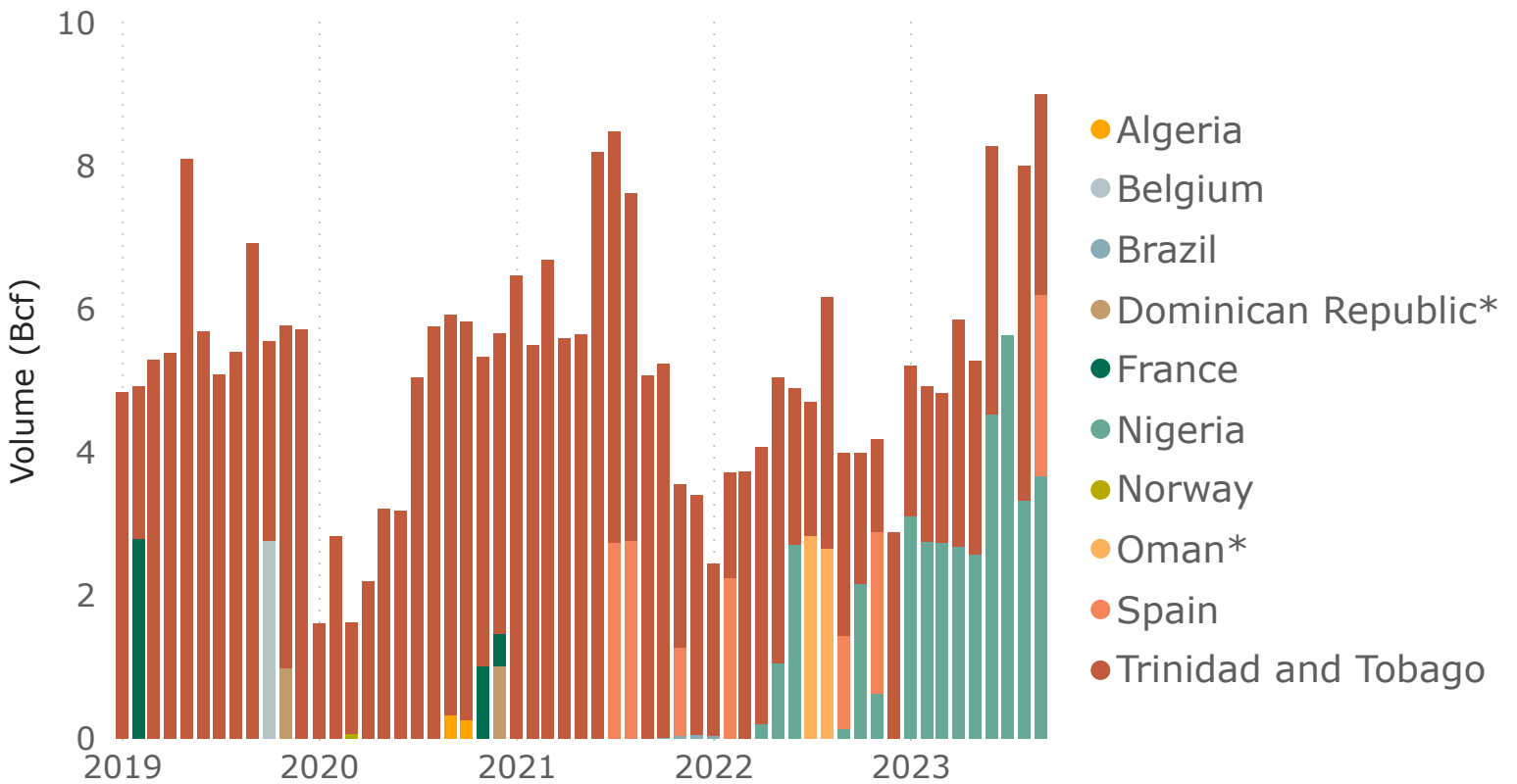
7: U.S. LNG Imports by Country of Origin and Point of Entry

Volume (Bcf)	2022			2023								
Country of Origin and Point of Entry	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
LNG Imports by Vessel												
Jamaica												
Everett, MA	0	0	0	1.3	0	0	0	0	0	0	0	0
Trinidad and Tobago												
Everett, MA	0	1.2	2.8	1.3	4.0	1.3	0	1.4	0	1.3	0	0
Total LNG Imports	0	1.2	2.8	2.6	4.0	1.3	0	1.4	0	1.3	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	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
LNG Imports by Vessel												
Nigeria	2.2	0.6	0	3.1	2.8	2.7	2.7	2.6	4.5	5.6	3.3	3.7
Trinidad and Tobago	1.8	1.3	2.9	2.1	2.2	2.1	3.2	2.7	3.7	0	4.7	2.8
Spain	0	2.3	0	0	0	0	0	0	0	0	0	2.5
Total LNG Imports	4.0	4.2	2.9	5.2	4.9	4.8	5.9	5.3	8.3	5.6	8.0	9.0

Notes

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

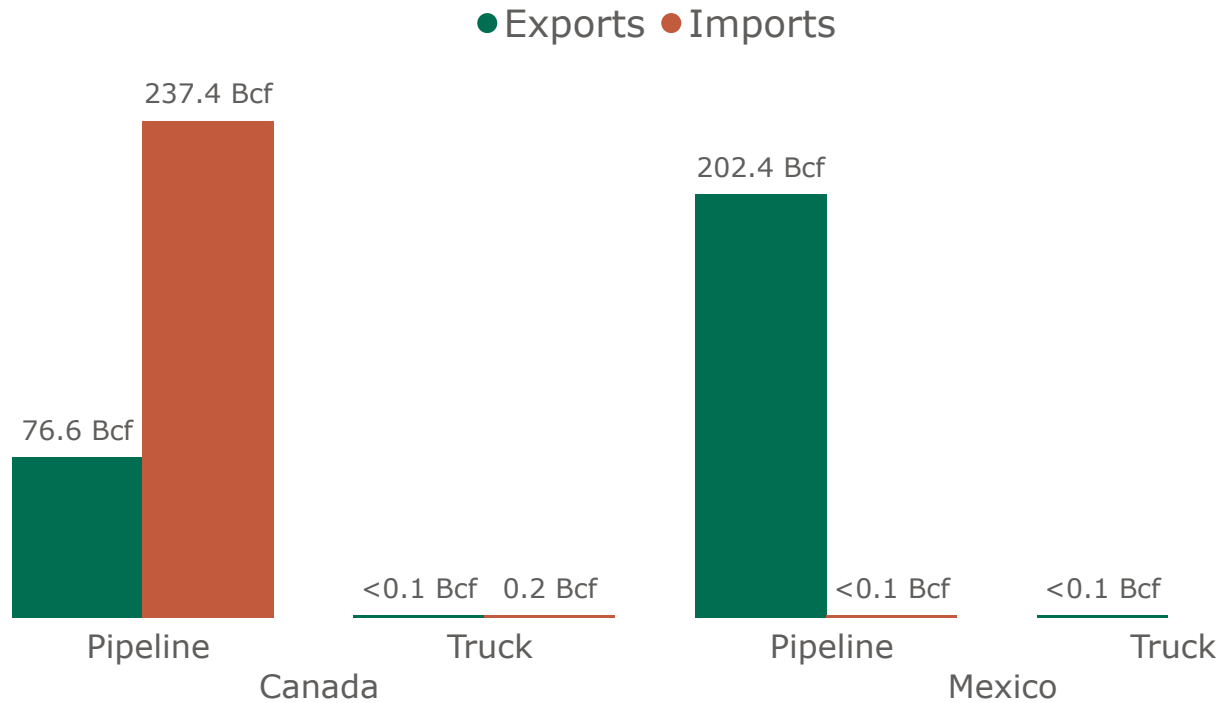
* Free Trade Agreement Countries.

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 (September 2023)



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

Volume (Bcf)	Monthly			Percentage Change		
	Mode of Transport	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
Mexico						
Exports						
Pipeline	202.4	213.1	169.2		-5%	20%
Truck	<0.1	<0.1	<0.1		79%	-63%
Total	202.4	213.1	169.3		-5%	20%
Imports						
Pipeline	<0.1	<0.1	0.1		-2%	-84%
Truck	0	0	0		-	-
Total	<0.1	<0.1	0.1		-2%	-84%
Net Exports	202.4	213.0	169.1		-5%	20%
Canada						
Exports						
Pipeline	76.6	68.4	61.9		12%	24%
Truck	<0.1	<0.1	<0.1		90%	266X
Total	76.6	68.4	61.9		12%	24%
Imports						
Pipeline	237.4	254.4	241.8		-7%	-2%
Truck	0.2	0.3	0.2		-27%	6%
Total	237.6	254.7	242.0		-7%	-2%
Net Exports	-161.0	-186.3	-180.0		14%	11%
Total Net Exports	41.4	26.8	-10.9		55%	5X

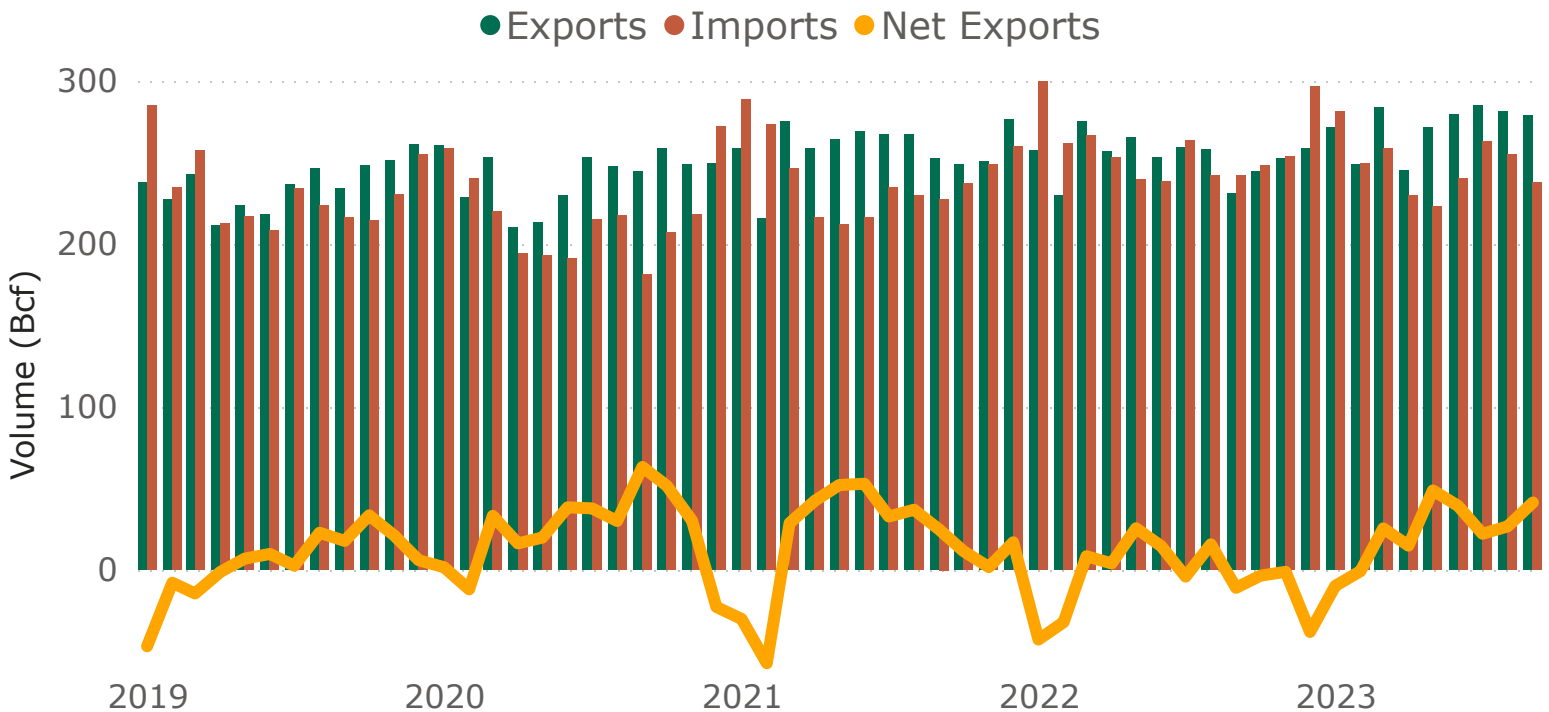
Notes

- 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



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

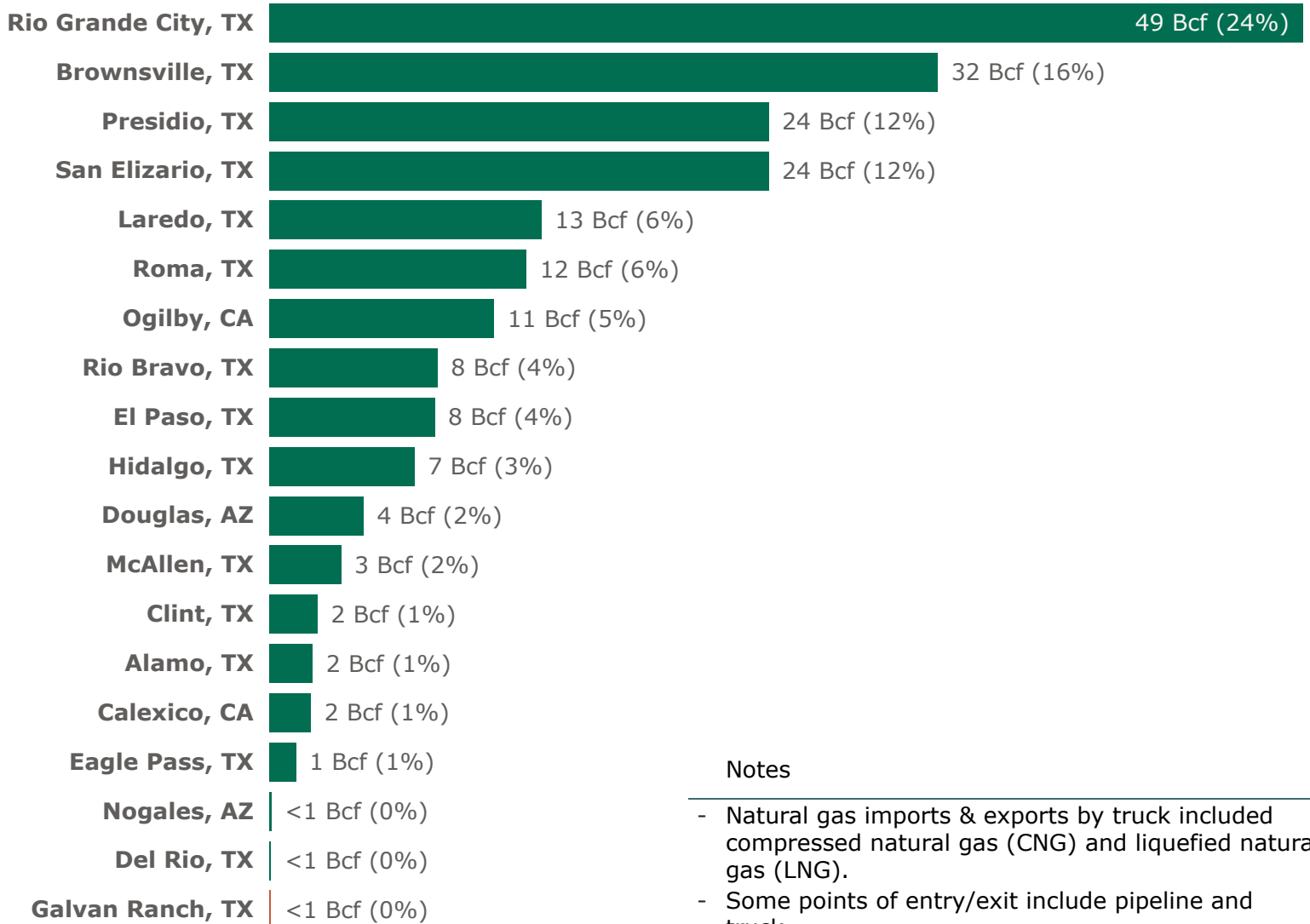
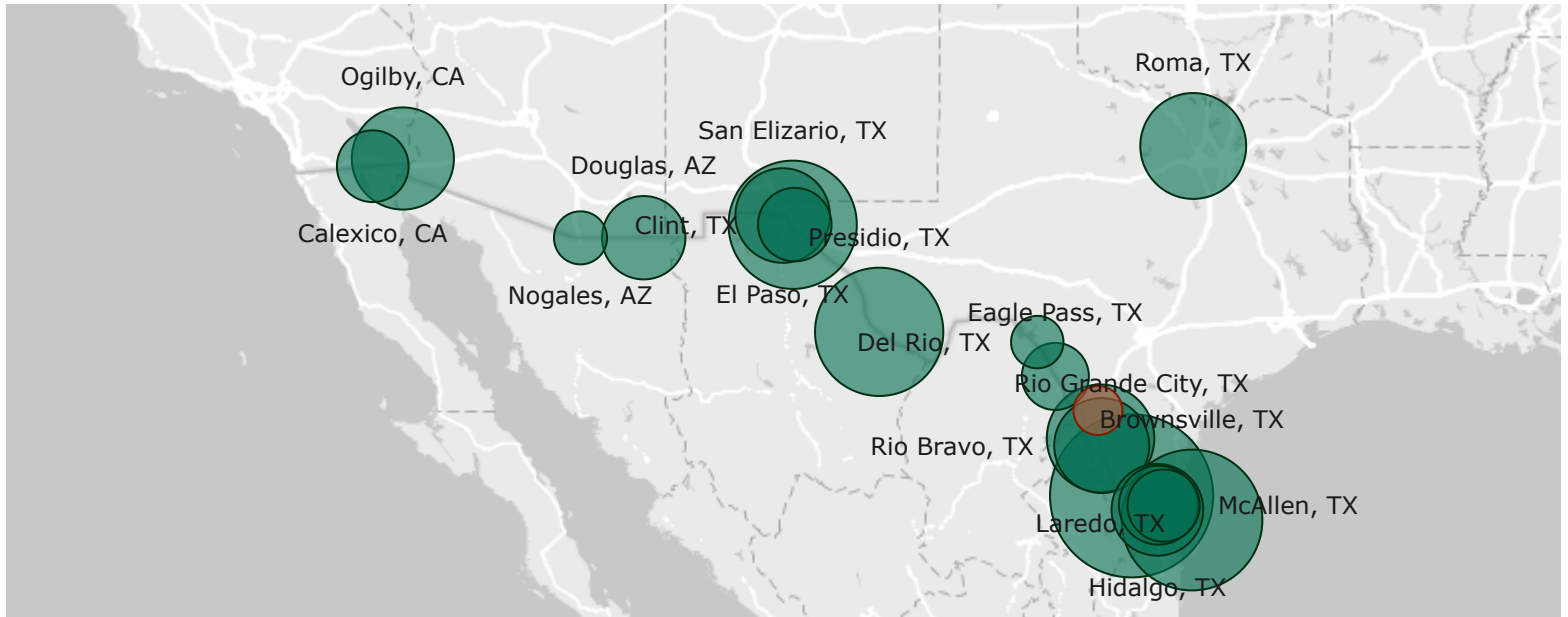
Volume (Bcf)	Year-to-Date (Jan-Sep)			Annual		
Mode of Transport	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Mexico						
Exports						
Pipeline	1,687.5	1,587.2	6%	2,078.6	2,154.5	-4%
Truck	0.5	1.1	-50%	1.6	1.2	24%
Total	1,688.0	1,588.3	6%	2,080.2	2,155.7	-4%
Imports						
Pipeline	0.9	0.9	6%	1.1	1.7	-38%
Truck	0	0	-	0	0	-
Total	0.9	0.9	6%	1.1	1.7	-38%
Net Exports	1,687.1	1,587.4	6%	2,079.1	2,154.0	-3%
Canada						
Exports						
Pipeline	757.8	698.0	9%	962.2	948.9	1%
Truck	<0.1	<0.1	42%	<0.1	0.3	-77%
Total	757.9	698.0	9%	962.2	949.2	1%
Imports						
Pipeline	2,234.5	2,305.1	-3%	3,102.9	2,888.7	7%
Truck	1.8	1.5	27%	2.1	0.5	296%
Total	2,236.3	2,306.6	-3%	3,105.1	2,889.3	7%
Net Exports	-1,478.4	-1,608.5	8%	-2,142.8	-1,940.1	-10%
Total Net Exports	208.7	-21.1	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 (September 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	
	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
Exports to Mexico					
Rio Grande City, TX	49.1	51.0	45.0	-4%	9%
Brownsville, TX	31.7	34.5	28.6	-8%	11%
Presidio, TX	23.7	24.3	18.0	-3%	32%
San Elizario, TX	23.7	27.4	14.2	-13%	66%
Laredo, TX	12.9	12.9	9.4	<1%	38%
Roma, TX	12.2	12.5	11.2	-2%	9%
Ogilby, CA	10.7	13.7	11.9	-22%	-10%
Rio Bravo, TX	8.0	8.3	5.7	-3%	40%
El Paso, TX	7.8	7.0	7.7	11%	2%
Hidalgo, TX	6.9	6.2	4.5	11%	52%
Douglas, AZ	4.5	4.9	4.0	-9%	13%
McAllen, TX	3.4	3.6	3.0	-6%	12%
Clint, TX	2.3	2.0	1.7	17%	33%
Alamo, TX	2.1	1.3	0.9	60%	139%
Calexico, CA	2.0	2.0	2.3	<1%	-16%
Eagle Pass, TX	1.3	1.3	1.0	-6%	29%
Nogales, AZ	<0.1	<0.1	<0.1	-8%	93%
Del Rio, TX	<0.1	<0.1	<0.1	-8%	61%
Otay Mesa, CA	0	0	0	-	-
Sasabe, AZ	0	0	0.2	-	-100%
Total	202.4	213.1	169.3	-5%	20%
Imports from Mexico					
Galvan Ranch, TX	<0.1	<0.1	<0.1	-2%	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	-2%	-84%
Net Exports to Mexico	202.4	213.0	169.1	-5%	20%

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

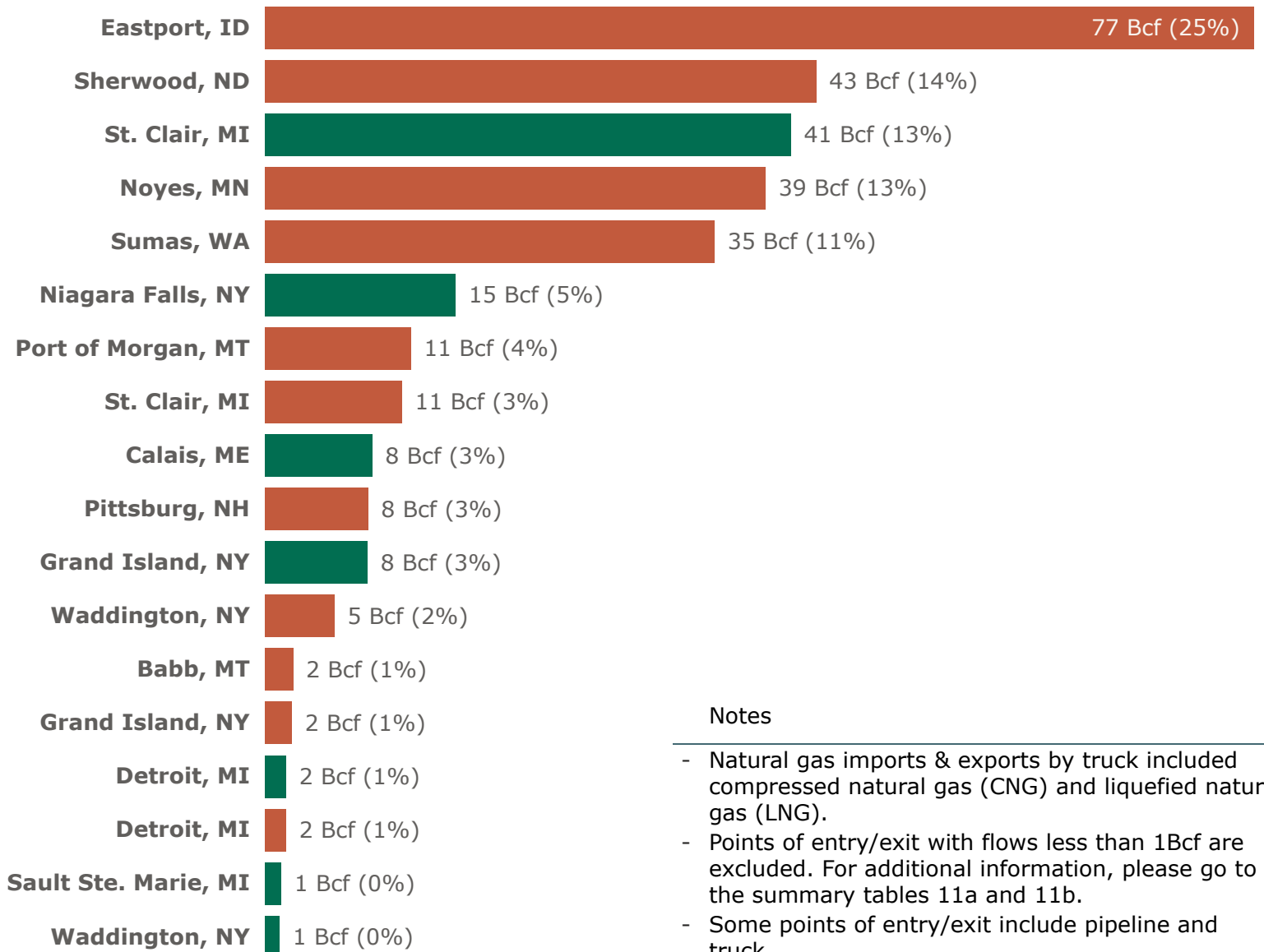
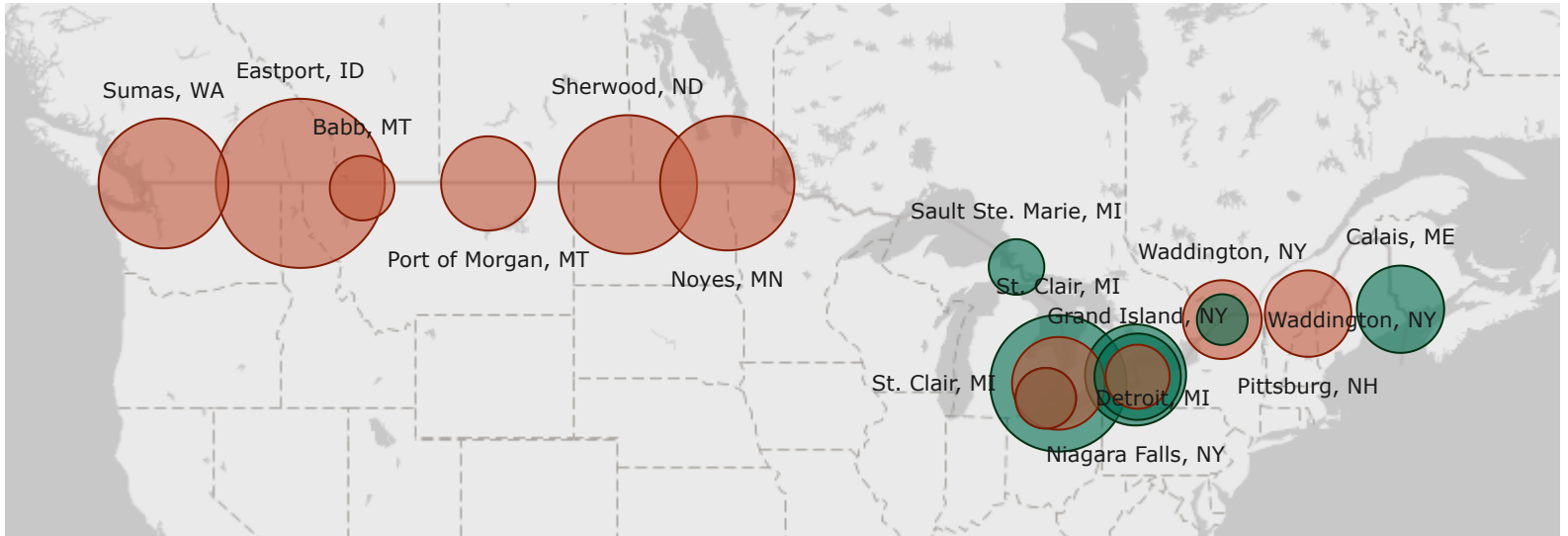
Volume (Bcf) Point of Entry/Exit	Year-to-Date (Jan-Sep)			Annual		
	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Exports to Mexico						
Rio Grande City, TX	435.6	402.7	8%	547.4	541.5	1%
Brownsville, TX	279.2	251.7	11%	329.0	325.9	<1%
Presidio, TX	213.5	172.9	23%	225.5	219.9	3%
San Elizario, TX	165.7	131.0	27%	167.7	100.7	67%
Laredo, TX	97.7	90.7	8%	114.9	103.1	11%
Roma, TX	94.9	108.6	-13%	141.8	165.4	-14%
Ogilby, CA	87.2	92.9	-6%	121.9	127.5	-4%
El Paso, TX	67.2	71.6	-6%	94.0	97.9	-4%
Rio Bravo, TX	65.2	56.9	15%	75.4	63.2	19%
Hidalgo, TX	60.6	57.3	6%	73.3	126.2	-42%
Douglas, AZ	35.2	39.0	-10%	49.7	54.3	-9%
McAllen, TX	27.0	38.4	-30%	46.5	68.1	-32%
Clint, TX	19.9	21.9	-9%	27.5	32.2	-14%
Calexico, CA	17.4	19.0	-8%	24.6	24.1	2%
Alamo, TX	10.7	22.0	-52%	25.1	64.0	-61%
Eagle Pass, TX	9.2	8.8	5%	11.7	9.7	21%
Sasabe, AZ	0.8	2.2	-62%	3.0	30.8	-90%
Nogales, AZ	0.6	0.5	28%	0.7	0.6	12%
Del Rio, TX	0.5	0.3	36%	0.5	0.4	11%
Otay Mesa, CA	0	0	-	0	0.2	-100%
Total	1,688.0	1,588.3	6%	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	0.2	-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	0.9	0.9	6%	1.1	1.7	-38%
Net Exports to Mexico	1,687.1	1,587.4	6%	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 (September 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	
	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
Imports from Canada					
Eastport, ID	77.1	77.3	73.2	<1%	5%
Sherwood, ND	43.0	48.3	46.5	-11%	-7%
Noyes, MN	39.0	38.4	40.9	2%	-5%
Sumas, WA	35.0	36.4	33.5	-4%	5%
Port of Morgan, MT	11.4	12.1	17.5	-6%	-35%
St. Clair, MI	10.7	17.8	5.8	-40%	83%
Pittsburg, NH	8.0	8.3	8.5	-3%	-6%
Waddington, NY	5.4	6.0	5.8	-9%	-6%
Babb, MT	2.2	2.8	3.5	-20%	-38%
Grand Island, NY	2.1	3.1	3.7	-32%	-43%
Detroit, MI	1.7	1.8	1.7	-6%	<1%
Highgate Springs, VT	0.8	0.8	0.8	-9%	-6%
Calais, ME	0.5	1.0	<0.1	-51%	4X
Champlain, NY	0.3	0.1	0.1	145%	169%
Warroad, MN	0.2	0.2	0.1	-18%	27%
Whitlash, MT	0.2	0.2	0.1	-5%	32%
Massena, NY	<0.1	<0.1	<0.1	1%	-7%
Blaine, WA	<0.1	<0.1	<0.1	31%	126%
Niagara Falls, NY	<0.1	0	0	-	-
Houlton, ME	<0.1	<0.1	<0.1	59%	-20%
Alcan, Ak	<0.1	<0.1	<0.1	120%	262%
Portal, ND	<0.1	<0.1	<0.1	182%	5X
Buffalo, NY	0	0	0	-	-
Jackman, ME	0	0	0	-	-
Marysville, MI	0	0	0	-	-
North Troy, VT	0	0	0	-	-
Sault Ste. Marie, MI	0	0	0	-	-
Sweetgrass, MT	0	0	<0.1	-	-100%
Total	237.6	254.7	242.0	-7%	-2%
Exports to Canada					
St. Clair, MI	41.0	29.3	29.9	40%	37%
Niagara Falls, NY	14.9	17.0	14.9	-13%	<1%
Calais, ME	8.4	8.5	7.1	-1%	18%
Grand Island, NY	8.0	6.5	5.7	23%	41%
Detroit, MI	1.7	1.7	1.7	-3%	-2%
Sault Ste. Marie, MI	1.3	1.2	1.2	2%	8%
Waddington, NY	1.1	2.4	0.6	-52%	84%
Noyes, MN	0.2	0.2	0.4	-7%	-56%
Sumas, WA	<0.1	1.4	0.4	-95%	-83%
Portal, ND	<0.1	<0.1	<0.1	-29%	-31%
Pittsburg, NH	<0.1	<0.1	0	-37%	-
Buffalo, NY	0	0	0	-	-
Champlain, NY	0	0	0	-	-
Eastport, ID	0	0	0	-	-
Marysville, MI	0	0	0	-	-
Massena, NY	0	0	0	-	-
Sweetgrass, MT	0	<0.1	<0.1	-100%	-100%
Total	76.6	68.4	61.9	12%	24%
Net Exports to Canada	-161.0	-186.3	-180.0	14%	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 Canada

Year-to-Date and Annual Summary

23

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-Sep)			Annual		
	Point of Entry/Exit	YTD 2023	YTD 2022	% Change	2022	2021
Imports from Canada						
Eastport, ID	690.4	663.5	4%	897.5	853.3	5%
Sherwood, ND	419.8	439.2	-4%	591.6	547.9	8%
Sumas, WA	336.4	304.8	10%	415.2	392.4	6%
Noyes, MN	325.4	332.7	-2%	451.8	374.5	21%
Port of Morgan, MT	122.7	202.1	-39%	261.5	258.4	1%
Waddington, NY	96.4	135.3	-29%	180.3	166.7	8%
Pittsburg, NH	83.9	86.0	-2%	112.5	109.2	3%
St. Clair, MI	70.0	43.6	60%	65.2	37.6	73%
Babb, MT	29.3	26.2	11%	34.4	31.1	10%
Grand Island, NY	15.5	21.2	-27%	25.5	26.6	-4%
Detroit, MI	12.6	13.3	-5%	18.4	18.5	<1%
Calais, ME	12.3	17.7	-30%	21.0	46.5	-55%
Highgate Springs, VT	10.1	10.8	-7%	14.7	13.4	10%
Champlain, NY	4.5	2.3	96%	3.4	2.9	18%
Warroad, MN	2.8	3.0	-5%	4.1	4.0	3%
Massena, NY	1.9	2.2	-13%	3.2	3.1	<1%
Whitlash, MT	1.6	1.7	-6%	2.2	2.5	-13%
Houlton, ME	0.3	0.3	-4%	0.4	0.2	73%
Jackman, ME	0.2	0.1	11%	0.4	<0.1	288%
Blaine, WA	0.1	<0.1	36%	<0.1	0.1	-33%
Niagara Falls, NY	<0.1	0.3	-63%	1.8	0.2	10X
Alcan, Ak	<0.1	<0.1	149%	<0.1	0	-
Portal, ND	<0.1	<0.1	-5%	<0.1	<0.1	33%
Sweetgrass, MT	<0.1	<0.1	107%	<0.1	<0.1	91%
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	-	<0.1	0	-
Sault Ste. Marie, MI	0	0	-	0	<0.1	-100%
Total	2,236.3	2,306.6	-3%	3,105.1	2,889.3	7%
Exports to Canada						
St. Clair, MI	418.7	405.8	3%	558.8	509.9	10%
Niagara Falls, NY	150.4	132.0	14%	181.3	195.6	-7%
Calais, ME	80.5	73.6	9%	97.5	118.6	-18%
Grand Island, NY	55.5	46.6	19%	63.3	59.4	7%
Waddington, NY	16.2	5.3	205%	10.1	12.8	-21%
Detroit, MI	14.9	13.4	11%	19.8	20.9	-5%
Sault Ste. Marie, MI	12.3	11.7	5%	16.0	15.5	3%
Sumas, WA	3.6	2.7	32%	6.8	11.0	-38%
Noyes, MN	2.8	4.2	-34%	5.0	3.2	56%
Marysville, MI	2.4	2.0	18%	2.9	0.9	218%
Portal, ND	0.4	0.5	-24%	0.7	1.0	-36%
Pittsburg, NH	0.1	<0.1	5X	<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	-48%	<0.1	0	-
Eastport, ID	0	0	-	0	<0.1	-100%
Massena, NY	0	0	-	0	0.3	-100%
Total	757.9	698.0	9%	962.2	949.2	1%
Net Exports to Canada	-1,478.4	-1,608.5	8%	-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.

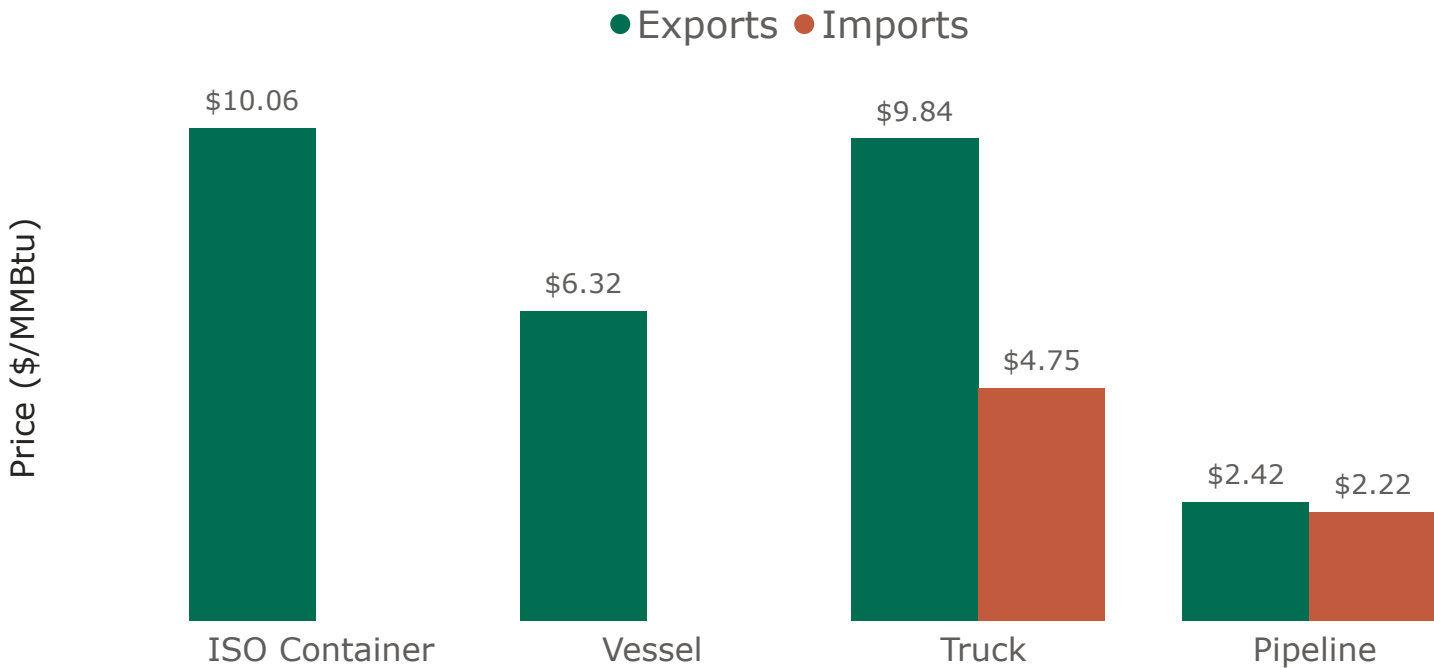
U.S. Natural Gas Import & Export Prices

U.S. Natural Gas Import & Export Prices

Monthly Summary

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



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

Activity	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
Exports					
LNG by Vessel	\$6.32	\$6.21	\$16.09	2%	-61%
Pipeline	\$2.42	\$2.49	\$7.74	-3%	-69%
Truck	\$9.84	\$8.69	\$15.53	12%	-37%
LNG by ISO Container	\$10.06	\$10.05	\$10.02	<1%	<1%
Average Price	\$4.59	\$4.56	\$12.42	<1%	-63%
Imports					
LNG by Vessel	-	-	-	-	-
Pipeline	\$2.22	\$2.45	\$5.90	-10%	-62%
Truck	\$4.75	\$4.08	\$8.68	14%	-45%
LNG by ISO Container	-	-	-	-	-
Average Price	\$2.23	\$2.46	\$5.91	-10%	-62%

Notes

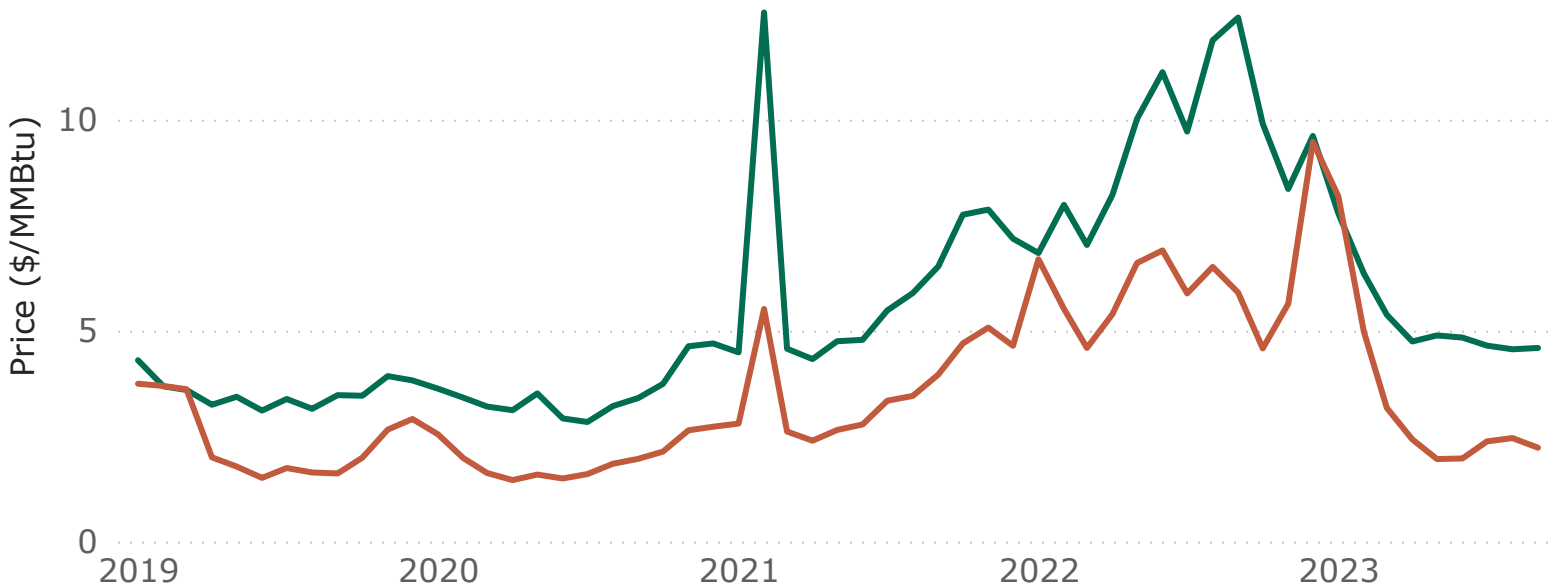
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- LNG import prices are landed and include the price of the LNG, the transportation cost to the U.S. terminal, and the cost of offloading the LNG but do not include the 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-Sep)			Annual		
Activity	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Exports						
LNG by Vessel	\$7.43	\$11.58	-36%	\$11.79	\$7.34	61%
Pipeline	\$2.54	\$6.60	-62%	\$6.30	\$4.92	28%
Truck	\$9.00	\$13.21	-32%	\$12.92	\$10.15	27%
LNG by ISO Container	\$10.02	\$10.02	<1%	\$10.02	\$10.01	<1%
Average Price	\$5.29	\$9.39	-44%	\$9.37	\$6.21	51%
Imports						
LNG by Vessel	\$22.35	\$26.51	-16%	\$28.55	\$11.65	145%
Pipeline	\$3.32	\$5.82	-43%	\$6.01	\$3.64	65%
Truck	\$5.13	\$8.56	-40%	\$8.66	\$6.30	38%
LNG by ISO Container	-	-	-	-	-	-
Average Price	\$3.41	\$5.99	-43%	\$6.19	\$3.70	67%

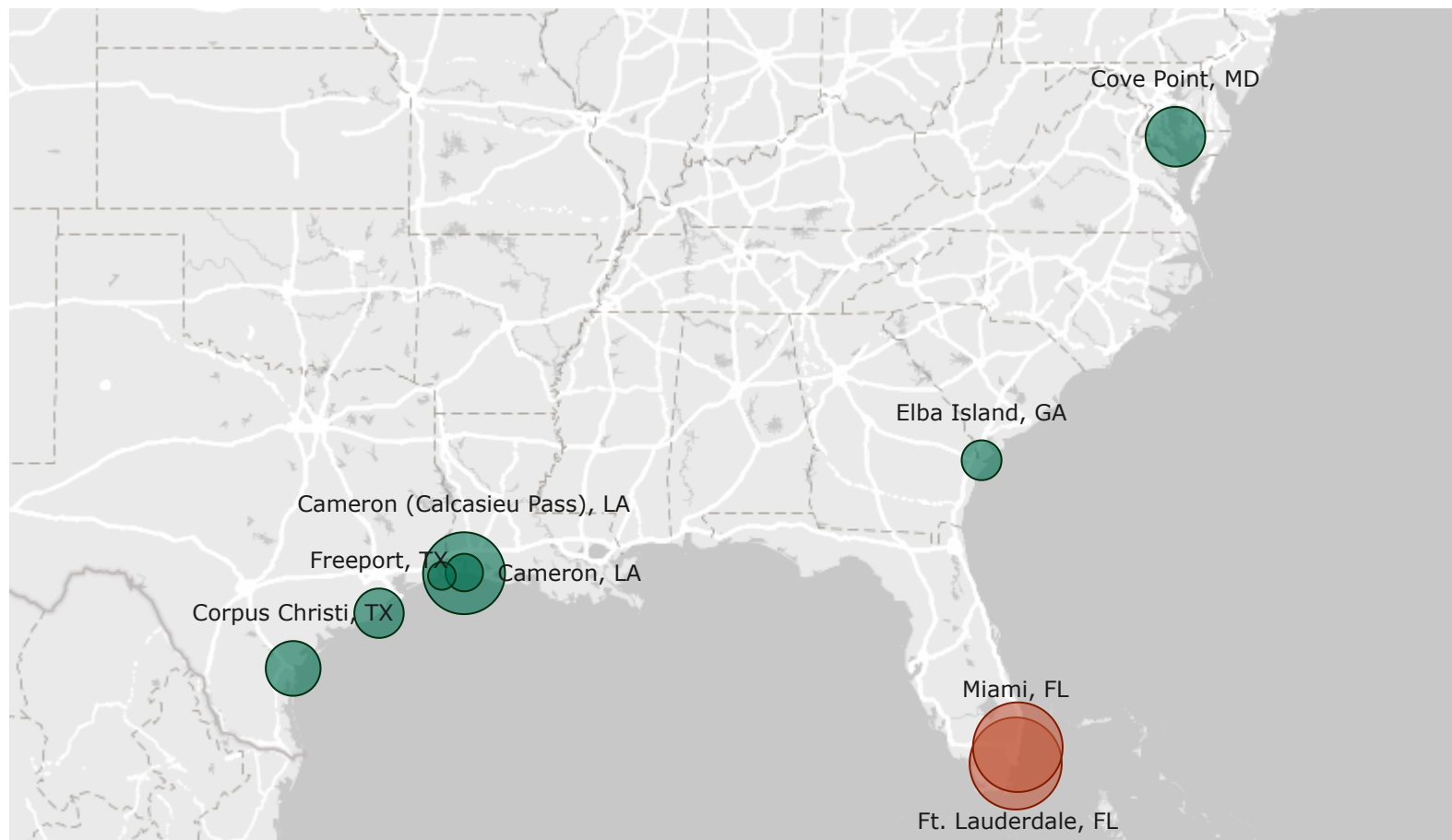
Notes

- 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 (September 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	
	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
LNG Exports by ISO Container					
Miami, FL	\$10.39	\$10.39	\$10.39	<1%	<1%
Ft. Lauderdale, FL	\$10.04	\$10.03	\$10.01	<1%	<1%
Jacksonville, FL	-	-	-	-	-
Newark, NJ	-	-	-	-	-
Average Price	\$10.06	\$10.05	\$10.02	<1%	<1%
LNG Exports by Vessel					
Cameron (Calcasieu Pass), LA	\$9.01	\$8.91	\$30.08	1%	-70%
Cove Point, MD	\$6.81	\$6.64	\$13.61	2%	-50%
Corpus Christi, TX	\$6.47	\$6.22	\$15.99	4%	-60%
Freeport, TX	\$6.17	\$5.79	-	6%	-
Elba Island, GA	\$5.80	\$6.13	\$14.31	-6%	-59%
Cameron, LA	\$5.74	\$5.80	\$12.44	-1%	-54%
Sabine Pass, LA	\$5.63	\$5.71	\$13.71	-1%	-59%
Average Price	\$6.32	\$6.21	\$16.09	2%	-61%

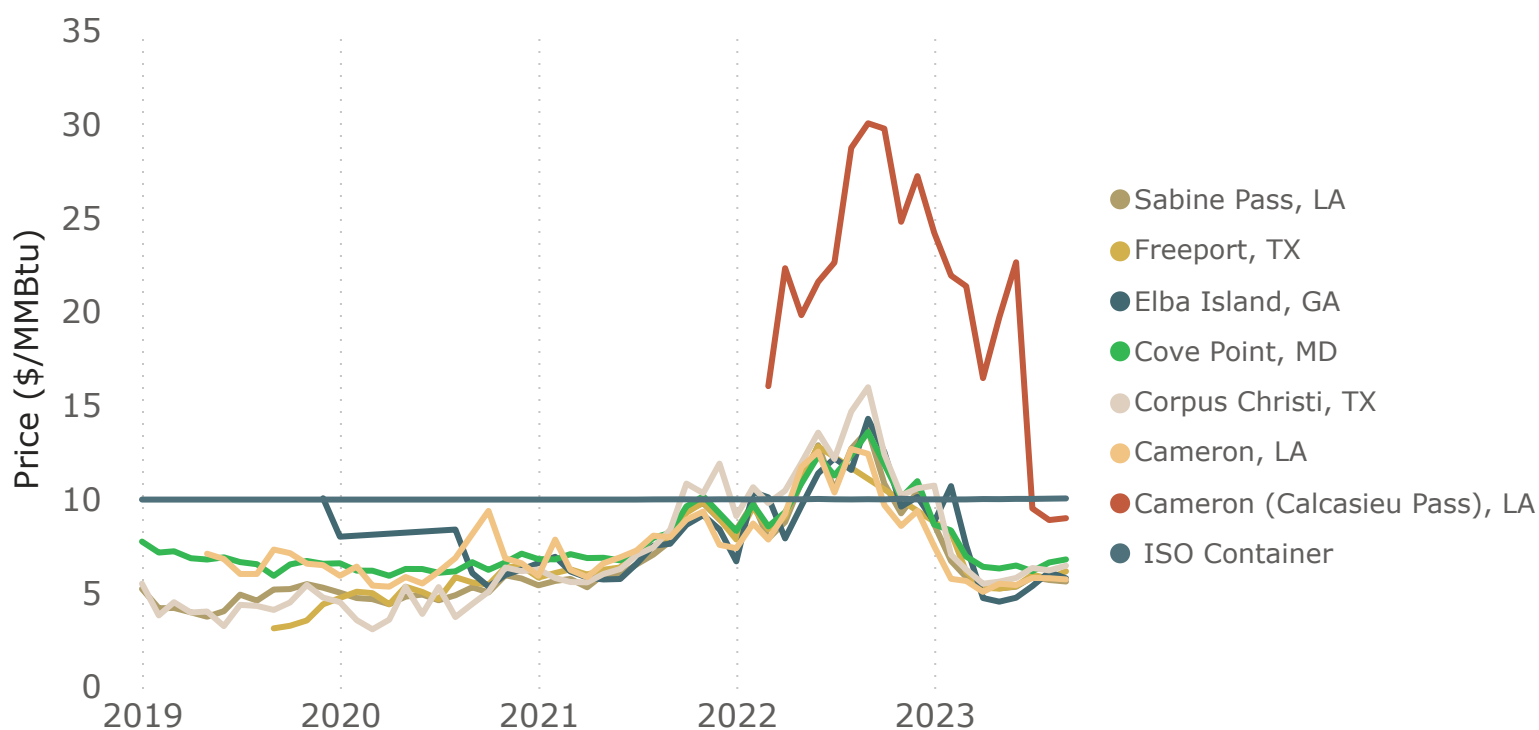
Notes

- 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

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) Point of Exit	Year-to-Date (Jan-Sep)			Annual		
	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	\$10.01	\$10.01	<1%	\$10.00	\$10.00	<1%
Jacksonville, FL	-	-	-	\$10.39	\$10.39	<1%
Newark, NJ	-	-	-	\$17.30	-	-
Average Price	\$10.02	\$10.02	<1%	\$10.02	\$10.01	<1%
LNG Exports by Vessel						
Cameron (Calcasieu Pass), LA	\$17.20	\$23.97	-28%	\$25.29	-	-
Cove Point, MD	\$6.96	\$10.62	-34%	\$10.62	\$7.76	37%
Corpus Christi, TX	\$6.70	\$12.02	-44%	\$11.80	\$7.76	52%
Elba Island, GA	\$6.61	\$10.63	-38%	\$10.62	\$7.10	49%
Sabine Pass, LA	\$6.11	\$10.54	-42%	\$10.45	\$7.02	49%
Cameron, LA	\$5.85	\$10.19	-43%	\$9.94	\$7.40	34%
Freeport, TX	\$5.74	\$9.44	-39%	\$9.44	\$7.30	29%
Average Price	\$7.43	\$11.58	-36%	\$11.79	\$7.34	61%
LNG Export Average Price	\$7.43	\$11.58	-36%	\$11.78	\$7.34	61%

Notes

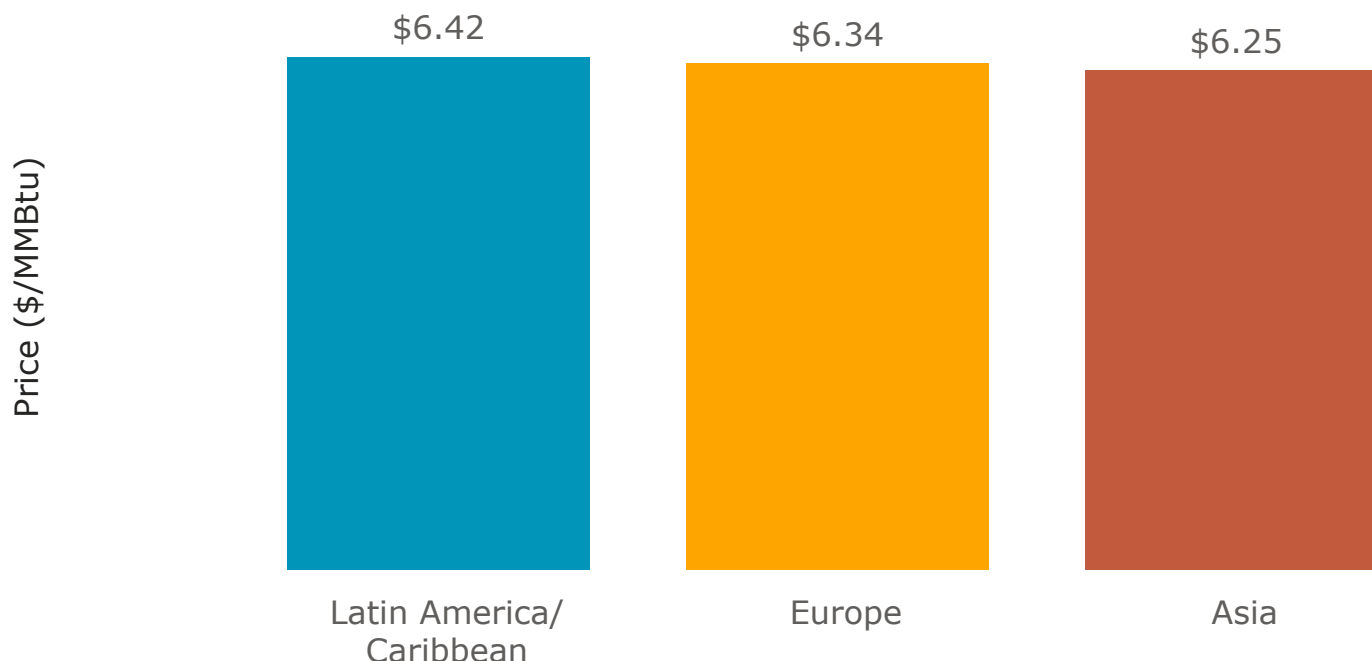
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).

U.S.-Produced LNG Export Prices

Monthly Summary

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U.S.-Produced LNG Export Prices by Region of Destination (September 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	
	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
LNG Exports by ISO Container					
Latin America/ Caribbean	\$10.06	\$10.05	\$10.02	<1%	<1%
Europe	-	-	-	-	-
Average Price	\$10.06	\$10.05	\$10.02	<1%	<1%
LNG Exports by Vessel					
Latin America/ Caribbean	\$6.42	\$6.54	\$14.29	-2%	-55%
Europe	\$6.34	\$6.38	\$16.56	<1%	-62%
Asia	\$6.25	\$5.92	\$14.77	5%	-58%
Average Price	\$6.32	\$6.21	\$16.09	2%	-61%
LNG Export Average Price	\$6.32	\$6.21	\$16.09	2%	-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.

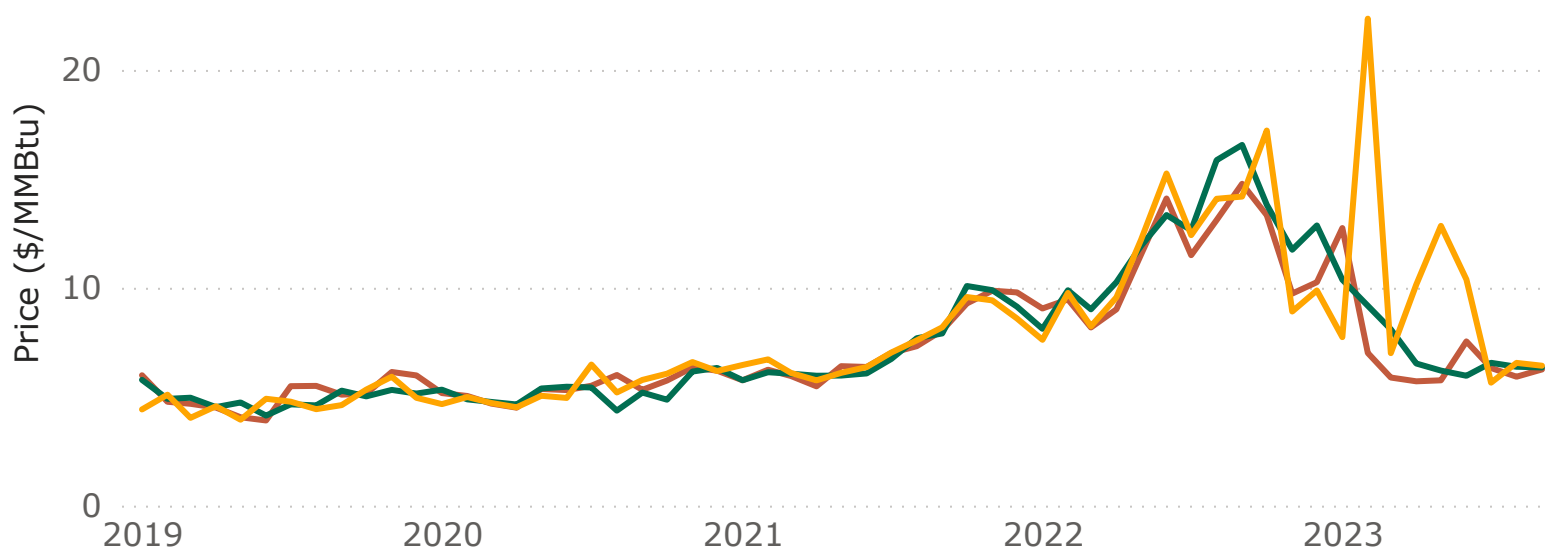
U.S.-Produced LNG Export Prices

Year-to-Date and Annual Summary

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

● Asia ● Europe ● Latin America/ Caribbean



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-Sep)			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	-	-
Average Price	\$10.02	\$10.02	<1%	\$10.02	\$10.01	<1%
LNG Exports by Vessel						
Latin America/ Caribbean	\$9.33	\$11.72	-20%	\$11.86	\$7.20	65%
Europe	\$7.42	\$11.65	-36%	\$11.94	\$7.61	57%
Asia	\$6.91	\$11.34	-39%	\$11.34	\$7.19	58%
Average Price	\$7.43	\$11.58	-36%	\$11.79	\$7.34	61%
LNG Export Average Price	\$7.43	\$11.58	-36%	\$11.78	\$7.34	61%

Notes

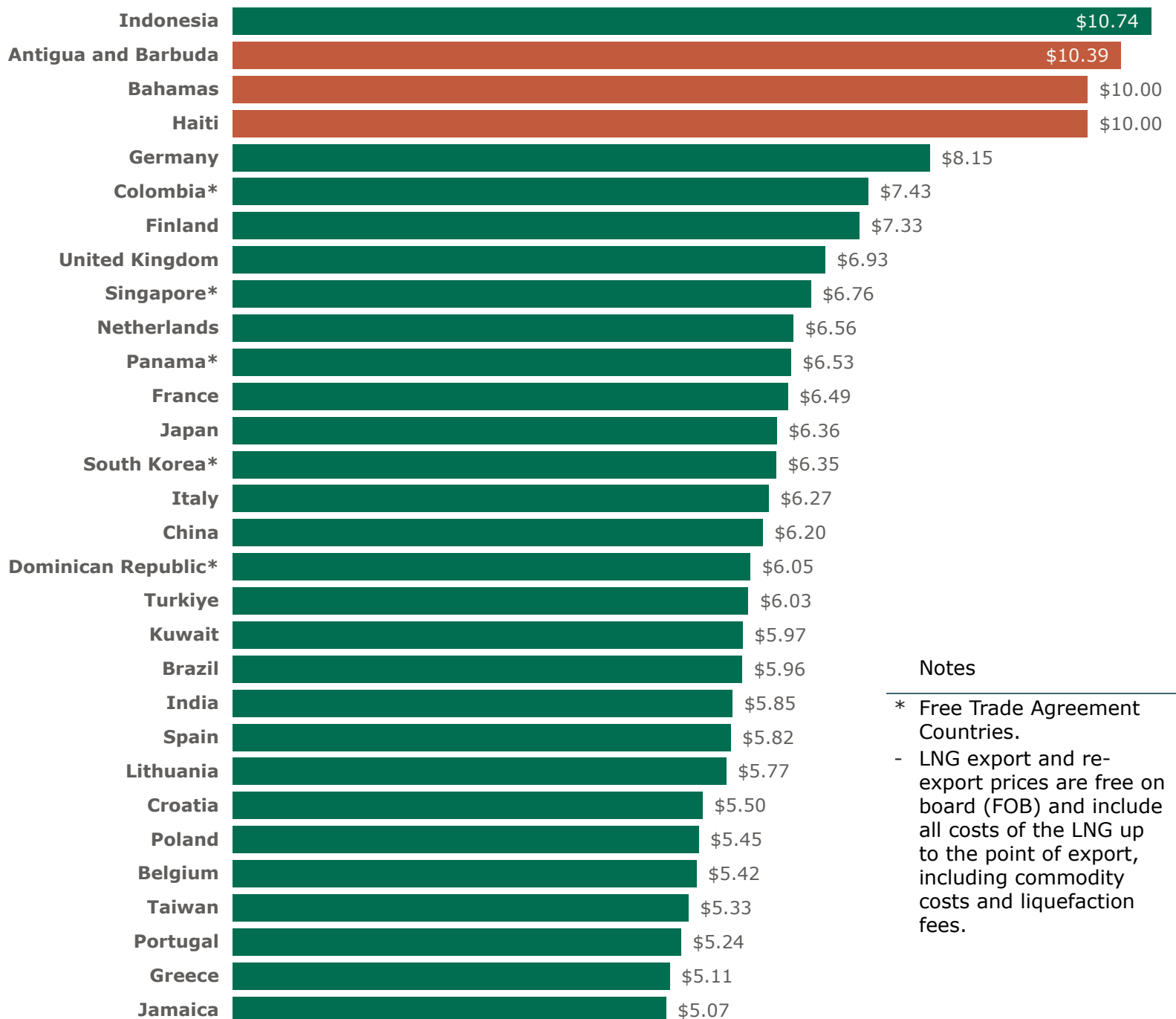
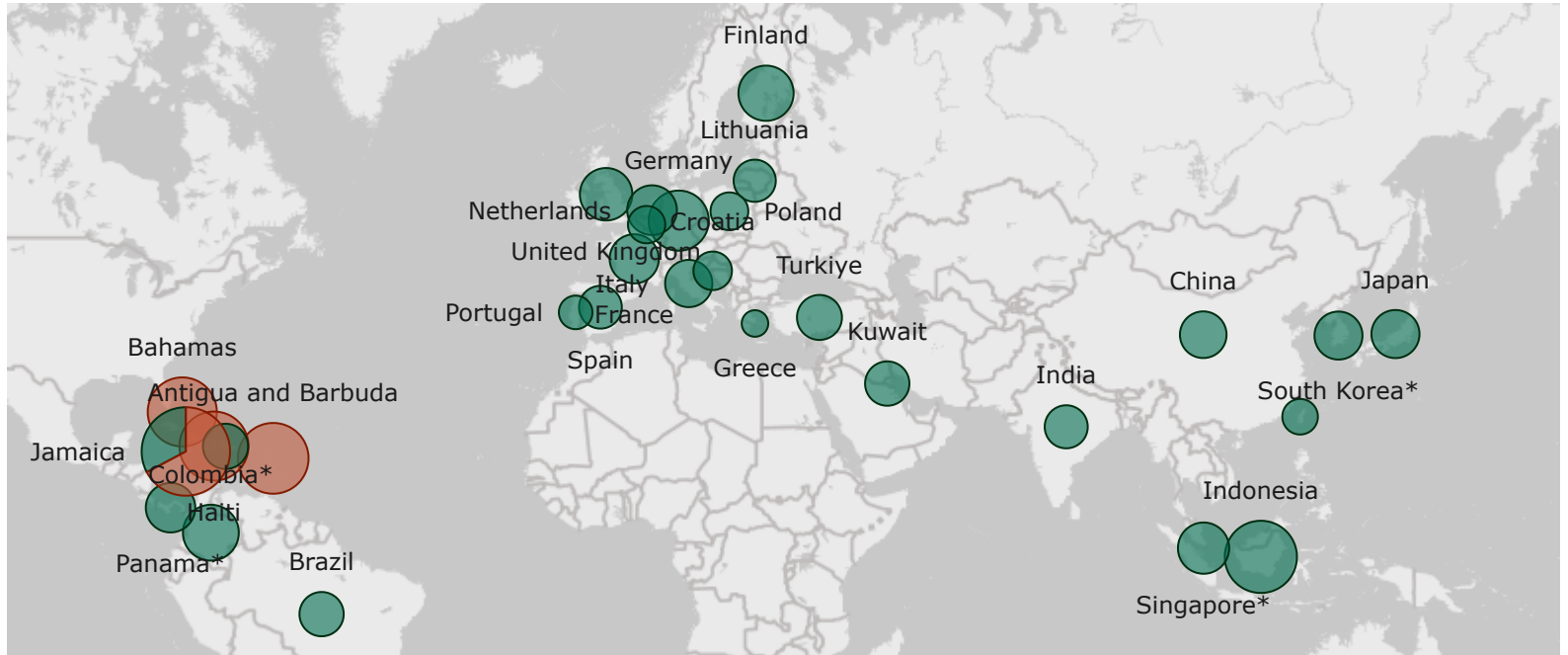
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).
- The world region classification is based on the United Nation standard country or area codes for statistical use (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 (September 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	
	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
LNG Exports by ISO Container					
Antigua and Barbuda	\$10.39	\$10.39	\$10.39	<1%	<1%
Jamaica	\$10.39	\$10.39	\$10.02	<1%	4%
Bahamas	\$10.00	\$10.00	\$10.00	<1%	<1%
Haiti	\$10.00	\$10.00	\$10.00	<1%	<1%
Barbados	-	-	-	-	-
Germany	-	-	-	-	-
Nicaragua*	-	-	-	-	-
Average Price	\$10.06	\$10.05	\$10.02	<1%	<1%
LNG Exports by Vessel					
Indonesia	\$10.74	\$5.32	\$11.76	50%	-9%
Germany	\$8.15	\$7.08	-	13%	-
Colombia*	\$7.43	\$7.70	-	-4%	-
Finland	\$7.33	\$5.81	-	21%	-
United Kingdom	\$6.93	\$6.59	\$17.09	5%	-59%
Singapore*	\$6.76	\$5.94	-	12%	-
Netherlands	\$6.56	\$6.48	\$16.21	1%	-60%
Panama*	\$6.53	-	-	-	-
France	\$6.49	\$5.82	\$17.80	10%	-64%
Japan	\$6.36	\$6.61	\$13.28	-4%	-52%
South Korea*	\$6.35	\$5.91	\$13.66	7%	-53%
Italy	\$6.27	\$7.01	\$13.19	-12%	-52%
China	\$6.20	\$5.36	\$13.34	14%	-54%
Dominican Republic*	\$6.05	\$6.58	\$14.30	-9%	-58%
Turkiye	\$6.03	-	\$14.90	-	-60%
Kuwait	\$5.97	\$5.70	\$27.16	4%	-78%
Brazil	\$5.96	\$5.94	-	<1%	-
India	\$5.85	\$6.19	\$13.01	-6%	-55%
Spain	\$5.82	\$6.89	\$13.51	-18%	-57%
Lithuania	\$5.77	\$5.55	\$13.32	4%	-57%
Croatia	\$5.50	\$6.46	\$13.01	-18%	-58%
Poland	\$5.45	\$7.10	\$23.00	-30%	-76%
Belgium	\$5.42	\$2.87	\$12.91	47%	-58%
Taiwan	\$5.33	\$6.17	\$13.13	-16%	-59%
Portugal	\$5.24	\$5.15	\$13.37	2%	-61%
Greece	\$5.11	\$5.83	-	-14%	-
Jamaica	\$5.06	\$6.57	\$13.76	-30%	-63%
Argentina	-	-	-	-	-
Bangladesh	-	\$5.67	-	-	-
Chile*	-	\$5.87	\$14.30	-	-
El Salvador*	-	-	-	-	-
Israel	-	-	-	-	-
Jordan*	-	-	-	-	-
Malta	-	-	-	-	-
Mexico*	-	-	-	-	-
Pakistan	-	-	-	-	-
Thailand	-	\$4.87	\$13.76	-	-
Average Price	\$6.32	\$6.21	\$16.09	2%	-61%
LNG Export Average Price	\$6.32	\$6.21	\$16.09	2%	-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

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) Country of Destination	Year-to-Date (Jan-Sep)			Annual		
	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	\$10.02	<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	-	\$10.01	-	\$10.08	\$10.00	<1%
Germany	-	-	-	\$10.39	-	-
Nicaragua*	-	-	-	-	\$10.00	-
Average Price	\$10.02	\$10.02	<1%	\$10.02	\$10.01	<1%
LNG Exports by Vessel						
Bangladesh	\$11.45	\$9.67	18%	\$9.67	\$5.82	66%
Argentina	\$11.14	\$13.36	-17%	\$13.36	\$6.58	103%
Dominican Republic*	\$10.76	\$10.73	<1%	\$12.08	\$7.46	62%
Finland	\$10.22	-	-	\$10.28	-	-
Brazil	\$9.28	\$11.30	-18%	\$11.20	\$7.60	47%
Germany	\$9.22	-	-	\$19.27	-	-
China	\$8.64	\$11.06	-22%	\$11.30	\$7.21	57%
Indonesia	\$8.63	\$11.82	-27%	\$10.98	\$8.50	29%
Turkiye	\$8.28	\$10.54	-21%	\$10.67	\$8.64	23%
Malta	\$7.92	\$8.89	-11%	\$8.54	\$6.83	25%
United Kingdom	\$7.67	\$11.03	-30%	\$11.61	\$7.49	55%
Spain	\$7.49	\$10.44	-28%	\$11.03	\$7.96	39%
France	\$7.48	\$11.77	-36%	\$12.01	\$7.06	70%
Netherlands	\$7.32	\$12.25	-40%	\$12.03	\$6.97	72%
Italy	\$7.23	\$11.17	-35%	\$11.03	\$6.39	72%
Colombia*	\$7.19	\$14.73	-51%	\$12.25	\$7.10	72%
South Korea*	\$7.17	\$11.79	-39%	\$11.98	\$7.18	67%
Mexico*	\$6.79	\$13.31	-49%	\$12.93	\$5.85	121%
Belgium	\$6.68	\$11.26	-41%	\$12.12	\$5.45	122%
Japan	\$6.60	\$10.58	-38%	\$10.33	\$7.51	38%
Panama*	\$6.51	\$11.19	-42%	\$10.49	\$6.84	53%
Chile*	\$6.50	\$10.13	-36%	\$10.13	\$6.76	50%
India	\$6.20	\$10.79	-42%	\$10.45	\$6.99	50%
Poland	\$6.09	\$17.93	-66%	\$19.00	\$7.79	144%
Jordan*	\$6.07	-	-	-	-	-
Croatia	\$6.06	\$11.71	-48%	\$11.31	\$7.61	49%
Taiwan	\$5.99	\$10.58	-43%	\$10.49	\$7.38	42%
Lithuania	\$5.89	\$10.87	-46%	\$10.72	\$6.72	59%
Singapore*	\$5.72	\$10.64	-46%	\$14.38	\$6.24	130%
Thailand	\$5.65	\$15.34	-63%	\$15.34	\$5.48	180%
El Salvador*	\$5.63	-	-	-	-	-
Kuwait	\$5.63	\$12.95	-57%	\$12.83	\$7.61	69%
Portugal	\$5.62	\$10.02	-44%	\$9.96	\$8.25	21%
Greece	\$5.45	\$12.89	-58%	\$13.98	\$7.33	91%
Jamaica	\$5.26	\$13.76	-62%	\$13.76	\$6.93	98%
Israel	-	-	-	-	\$6.34	-
Pakistan	-	\$9.17	-	\$9.17	\$6.96	32%
Average Price	\$7.43	\$11.58	-36%	\$11.79	\$7.34	61%
LNG Export Average Price	\$7.43	\$11.58	-36%	\$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	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
LNG Exports by Vessel												
Asia	\$13.33	\$9.73	\$10.26	\$12.74	\$7.01	\$5.88	\$5.71	\$5.75	\$7.54	\$6.32	\$5.92	\$6.25
Europe	\$13.81	\$11.75	\$12.86	\$10.37	\$9.17	\$8.10	\$6.53	\$6.20	\$5.96	\$6.56	\$6.38	\$6.34
Latin America/Caribbean	\$17.34	\$8.86	\$9.87	\$7.71	\$22.78	\$6.97	\$10.15	\$12.85	\$10.38	\$5.64	\$6.54	\$6.42
Average Price	\$13.78	\$11.24	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32
LNG Exports by ISO Container												
Europe	-	\$10.39	-	-	-	-	-	-	-	-	-	-
Latin America/Caribbean	\$10.01	\$10.04	\$10.01	\$10.01	\$10.01	\$10.01	\$10.03	\$10.02	\$10.04	\$10.03	\$10.05	\$10.06
Average Price	\$10.01	\$10.05	\$10.01	\$10.01	\$10.01	\$10.01	\$10.03	\$10.02	\$10.04	\$10.03	\$10.05	\$10.06
LNG Export Average Price	\$13.78	\$11.24	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32

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

Price (\$/MMBtu)	2022			2023								
Point of Exit	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
LNG Exports by Vessel												
Cameron (Calcasieu Pass), LA	\$29.79	\$24.82	\$27.26	\$24.23	\$21.95	\$21.38	\$16.48	\$19.72	\$22.66	\$9.53	\$8.91	\$9.01
Cameron, LA	\$9.70	\$8.59	\$9.39	\$7.51	\$5.77	\$5.66	\$5.08	\$5.51	\$5.44	\$5.82	\$5.80	\$5.74
Corpus Christi, TX	\$12.42	\$10.22	\$10.60	\$10.74	\$7.05	\$6.26	\$5.51	\$5.62	\$5.82	\$6.35	\$6.22	\$6.47
Cove Point, MD	-	\$10.10	\$10.98	\$8.67	\$8.35	\$6.96	\$6.41	\$6.32	\$6.48	\$6.18	\$6.64	\$6.81
Elba Island, GA	\$12.53	\$9.62	\$10.14	\$8.81	\$10.72	\$7.54	\$4.75	\$4.55	\$4.76	\$5.38	\$6.13	\$5.80
Freeport, TX	-	-	-	-	\$8.23	\$6.14	\$5.30	\$5.25	\$5.38	\$5.99	\$5.79	\$6.17
Sabine Pass, LA	\$10.85	\$9.27	\$10.43	\$8.67	\$6.72	\$5.86	\$5.45	\$5.26	\$5.35	\$5.87	\$5.71	\$5.63
Average Price	\$13.78	\$11.24	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32
LNG Exports by ISO Container												
Ft. Lauderdale, FL	\$10.00	\$10.00	\$10.00	\$10.01	\$10.00	\$10.00	\$10.01	\$10.02	\$10.02	\$10.02	\$10.03	\$10.04
Jacksonville, FL	-	\$10.39	-	-	-	-	-	-	-	-	-	-
Miami, FL	\$10.39	-	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39	\$10.39
Newark, NJ	-	\$17.30	-	-	-	-	-	-	-	-	-	-
Average Price	\$10.01	\$10.05	\$10.01	\$10.01	\$10.01	\$10.01	\$10.03	\$10.02	\$10.04	\$10.03	\$10.05	\$10.06
LNG Export Average Price	\$13.78	\$11.24	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32

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								
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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	-
Belgium	\$21.89	-	\$9.00	\$8.05	\$7.86	\$12.16	\$5.14	\$4.40	\$5.00	-	\$2.87	\$5.42
Brazil	\$9.23	-	-	-	-	\$4.69	\$4.97	\$18.72	\$10.99	-	\$5.94	\$5.96
Chile*	-	-	-	\$6.70	-	\$9.05	-	\$5.49	\$5.20	\$5.73	\$5.87	-
China	\$10.67	\$12.85	\$11.25	\$12.81	\$6.64	\$5.75	\$10.70	\$5.65	\$15.68	\$6.19	\$5.36	\$6.20
Colombia*	\$10.90	-	-	-	-	-	-	\$5.75	-	-	\$7.70	\$7.43
Croatia	\$9.16	\$9.30	\$10.01	\$7.99	\$7.32	\$5.42	\$5.92	\$5.26	-	\$5.75	\$6.46	\$5.50
Dominican Republic*	\$32.26	-	\$9.86	\$7.12	\$26.83	\$5.89	\$15.22	\$22.50	\$2.78	\$5.96	\$6.58	\$6.05
El Salvador*	-	-	-	-	-	-	-	-	-	\$5.63	-	-
Finland	-	-	\$10.28	-	-	\$17.10	-	\$13.58	\$5.15	\$6.81	\$5.81	\$7.33
France	\$14.08	\$12.87	\$11.45	\$11.98	\$11.27	\$5.94	\$8.32	\$5.63	\$5.38	\$6.15	\$5.82	\$6.49
Germany	-	-	\$19.27	\$12.95	\$15.72	\$11.61	\$5.50	\$9.48	\$5.58	\$9.83	\$7.08	\$8.15
Greece	\$31.68	\$8.96	\$10.72	\$8.36	\$4.90	\$5.84	\$4.37	\$4.81	\$5.15	-	\$5.83	\$5.11
India	\$10.13	\$8.57	\$9.82	\$7.90	\$8.54	\$5.73	\$4.97	\$5.39	\$5.61	\$6.21	\$6.19	\$5.85
Indonesia	\$10.93	\$8.86	\$10.74	\$6.70	-	-	-	-	-	\$5.72	\$5.32	\$10.74
Italy	-	\$9.52	\$9.59	\$8.78	\$13.40	\$5.70	\$6.54	\$5.57	\$6.01	\$5.97	\$7.01	\$6.27
Jamaica	-	-	-	-	-	\$5.47	-	\$5.81	\$5.45	\$5.63	\$6.57	\$5.06
Japan	\$10.48	\$8.65	\$10.38	\$8.05	\$7.00	\$6.66	\$5.44	\$6.33	\$6.45	\$6.66	\$6.61	\$6.36
Jordan*	-	-	-	-	-	-	-	-	-	\$6.07	-	-
Kuwait	\$10.78	-	-	-	-	-	\$4.93	\$4.40	\$5.23	\$6.92	\$5.70	\$5.97
Lithuania	\$10.62	\$8.74	\$10.28	\$8.21	-	\$4.79	\$4.66	\$5.59	\$5.11	\$6.07	\$5.55	\$5.77
Malta	-	\$8.26	-	\$7.92	-	-	-	-	-	-	-	-
Mexico*	-	-	\$10.60	\$8.34	-	\$5.89	-	-	-	\$5.63	-	-
Netherlands	\$12.27	\$11.91	\$10.26	\$11.50	\$11.78	\$7.84	\$5.80	\$6.08	\$5.83	\$6.46	\$6.48	\$6.56
Panama*	-	\$8.86	\$8.56	\$8.97	-	\$6.41	-	\$5.43	-	\$5.63	-	\$6.53
Poland	\$23.82	\$28.06	\$22.25	\$8.43	\$5.91	\$8.30	\$4.80	\$4.82	\$5.79	\$4.48	\$7.10	\$5.45
Portugal	\$10.15	\$9.52	\$9.70	\$7.69	\$5.85	\$5.09	\$5.00	\$5.48	\$4.51	\$5.73	\$5.15	\$5.24
Singapore*	\$23.62	-	-	-	-	-	-	-	\$5.26	-	\$5.94	\$6.76
South Korea*	\$15.31	\$8.84	\$10.19	\$15.48	\$6.42	\$5.89	\$5.44	\$5.47	\$5.58	\$5.90	\$5.91	\$6.35
Spain	\$14.12	\$9.10	\$16.14	\$9.09	\$7.58	\$7.60	\$7.88	\$7.58	\$10.74	\$6.26	\$6.89	\$5.82
Taiwan	\$10.90	\$8.96	\$9.91	\$7.39	\$6.02	\$5.09	\$7.12	\$6.28	\$6.77	\$5.32	\$6.17	\$5.33
Thailand	-	-	-	\$8.42	\$6.67	\$4.59	\$4.06	-	\$4.48	\$7.75	\$4.87	-
Turkiye	\$10.65	\$10.25	\$12.43	\$9.45	\$7.46	\$10.11	\$5.03	-	-	-	-	\$6.03
United Kingdom	\$12.27	\$12.41	\$12.56	\$10.65	\$7.29	\$7.66	\$6.67	\$5.58	-	-	\$6.59	\$6.93
Average Price	\$13.78	\$11.24	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32
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	-	\$17.30	-	-	-	-	-	-	-	-	-	-
Germany	-	\$10.39	-	-	-	-	-	-	-	-	-	-
Haiti	-	-	\$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	\$10.01	\$10.00	\$10.00	\$10.01	\$10.04	\$10.20	\$10.39	\$10.39	\$10.39	\$10.39
Average Price	\$10.01	\$10.05	\$10.01	\$10.01	\$10.01	\$10.01	\$10.03	\$10.02	\$10.04	\$10.03	\$10.05	\$10.06
LNG Export Average Price	\$13.78	\$11.24	\$12.19	\$10.82	\$9.01	\$7.67	\$6.58	\$7.05	\$7.09	\$6.37	\$6.21	\$6.32

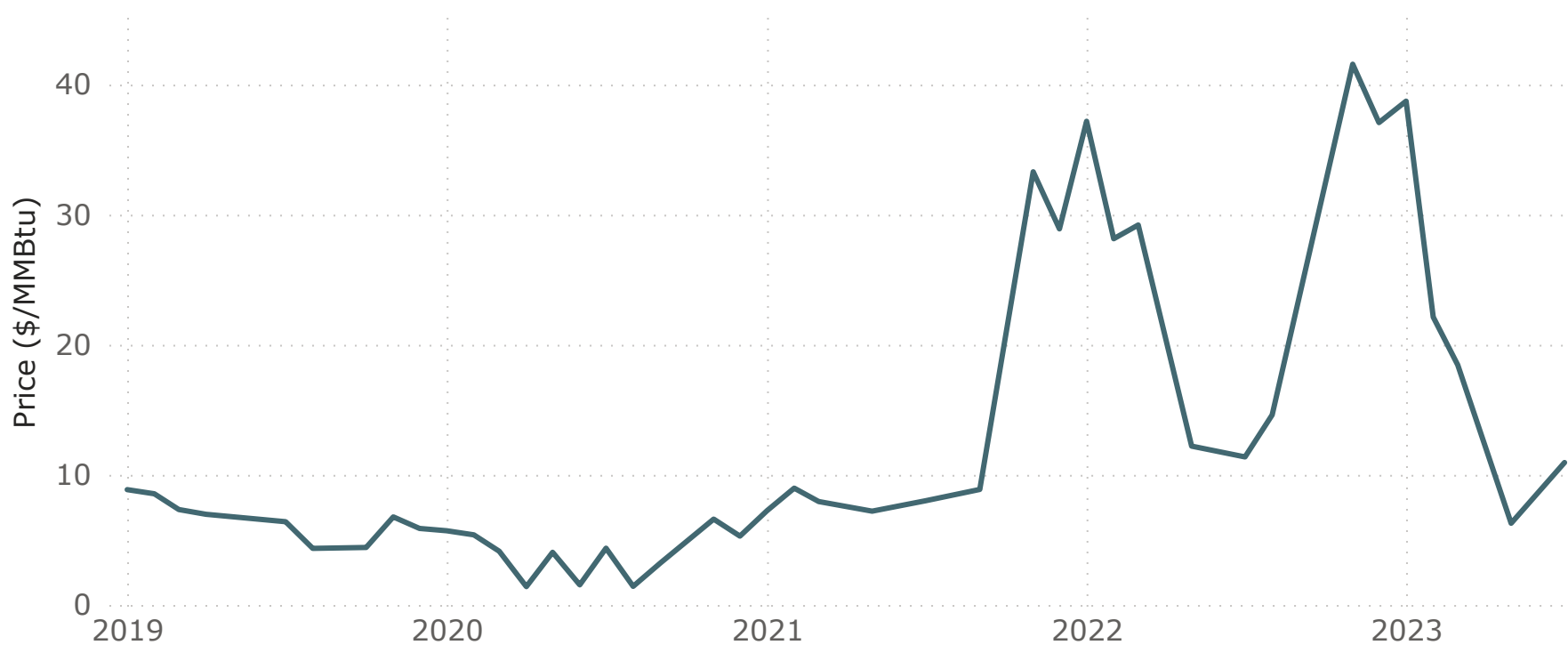
Notes

- * 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 (September 2023)



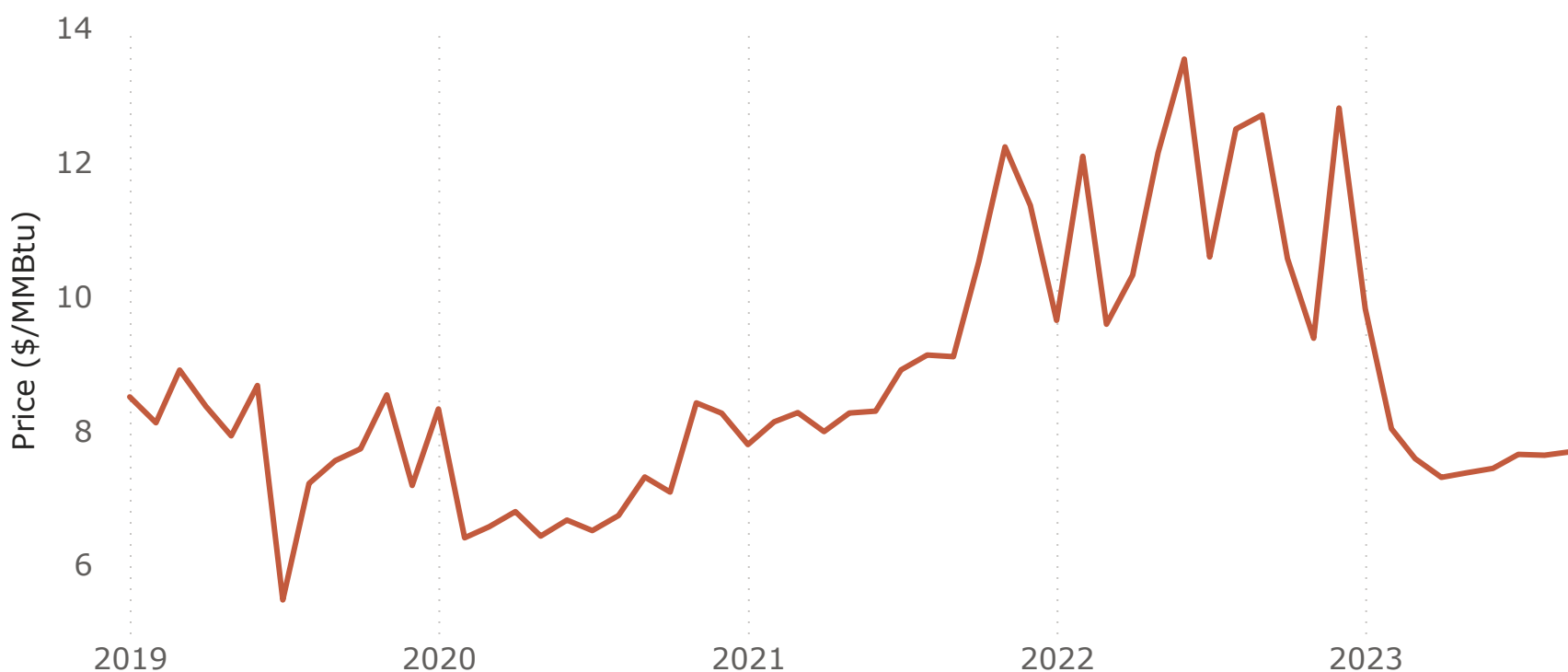
17: U.S. LNG Import Prices by Country of Origin and Point of Entry

Price (\$/MMBtu) Activities by Mode of Transport	2022			2023								
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
LNG Imports by Vessel												
Jamaica												
Everett, MA	-	-	-	\$38.73	-	-	-	-	-	-	-	-
Trinidad and Tobago												
Everett, MA	-	\$41.57	\$37.08	\$38.73	\$22.13	\$18.45	-	\$6.28	-	\$10.95	-	-
Average Price	-	\$41.57	\$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 (September 2023)



18: Puerto Rico LNG Import Prices by Country of Origin

Price (\$/MMBtu)	2022			2023								
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
LNG Imports by Vessel												
Nigeria	\$7.29	\$7.29	-	\$10.10	\$7.95	\$7.82	\$7.32	\$7.38	\$7.37	\$7.65	\$7.29	\$7.29
Spain	-	\$11.19	-	-	-	-	-	-	-	-	-	\$7.97
Trinidad and Tobago	\$14.46	\$7.29	\$12.81	\$9.41	\$8.15	\$7.29	\$7.30	\$7.38	\$7.54	-	\$7.89	\$7.97
Average Price	\$10.57	\$9.38	\$12.81	\$9.82	\$8.04	\$7.59	\$7.31	\$7.38	\$7.44	\$7.65	\$7.64	\$7.69

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.

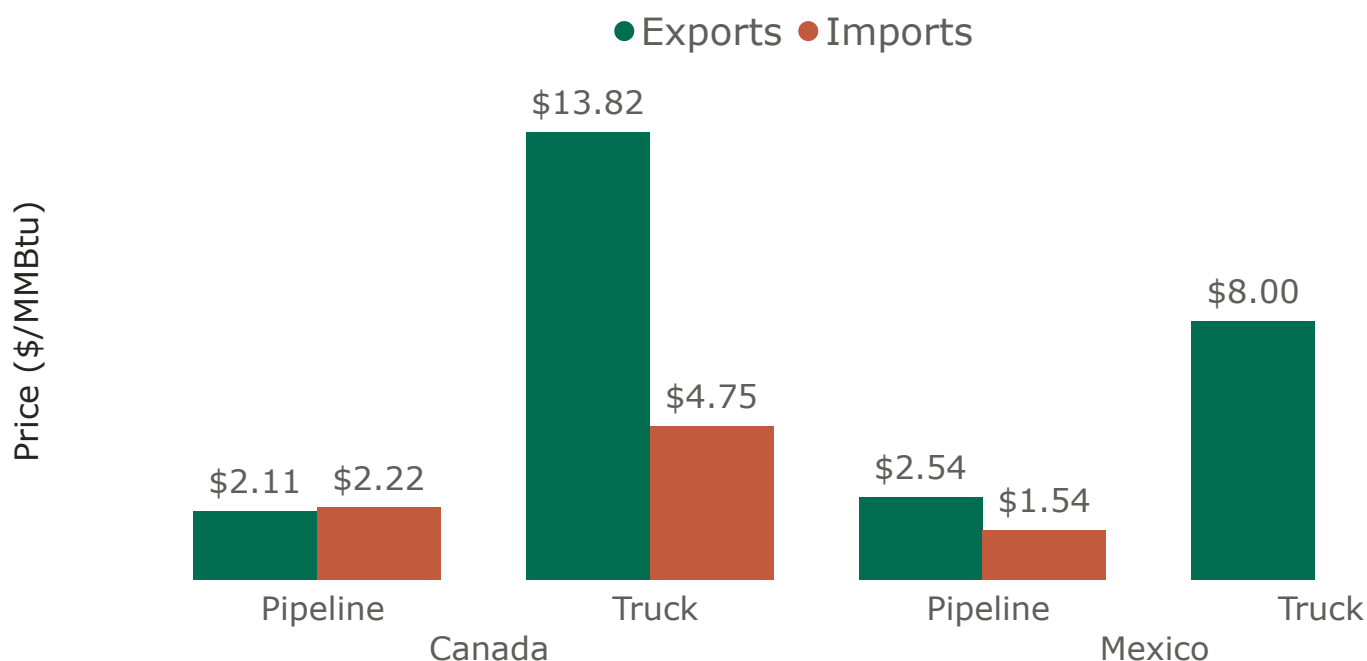
**U.S. Natural Gas
Import & Export Prices
by Pipeline and Truck
Summary**

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 (September 2023)



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

Price (\$/MMBtu)	Monthly			Percentage Change		
	Mode of Transport	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
Mexico						
Exports						
Pipeline	\$2.54	\$2.62	\$7.73		-3%	-67%
Truck	\$8.00	\$6.47	\$15.54		19%	-49%
Average Price	\$2.54	\$2.62	\$7.73		-3%	-67%
Imports						
Pipeline	\$1.54	\$1.41	\$23.67		8%	-93%
Truck	-	-	-		-	-
Average Price	\$1.54	\$1.41	\$23.67		8%	-93%
Canada						
Exports						
Pipeline	\$2.11	\$2.06	\$7.76		2%	-73%
Truck	\$13.82	\$13.78	\$1.89		<1%	6x
Average Price	\$2.11	\$2.07	\$7.76		2%	-73%
Imports						
Pipeline	\$2.22	\$2.45	\$5.89		-10%	-62%
Truck	\$4.75	\$4.08	\$8.68		14%	-45%
Average Price	\$2.23	\$2.46	\$5.90		-10%	-62%

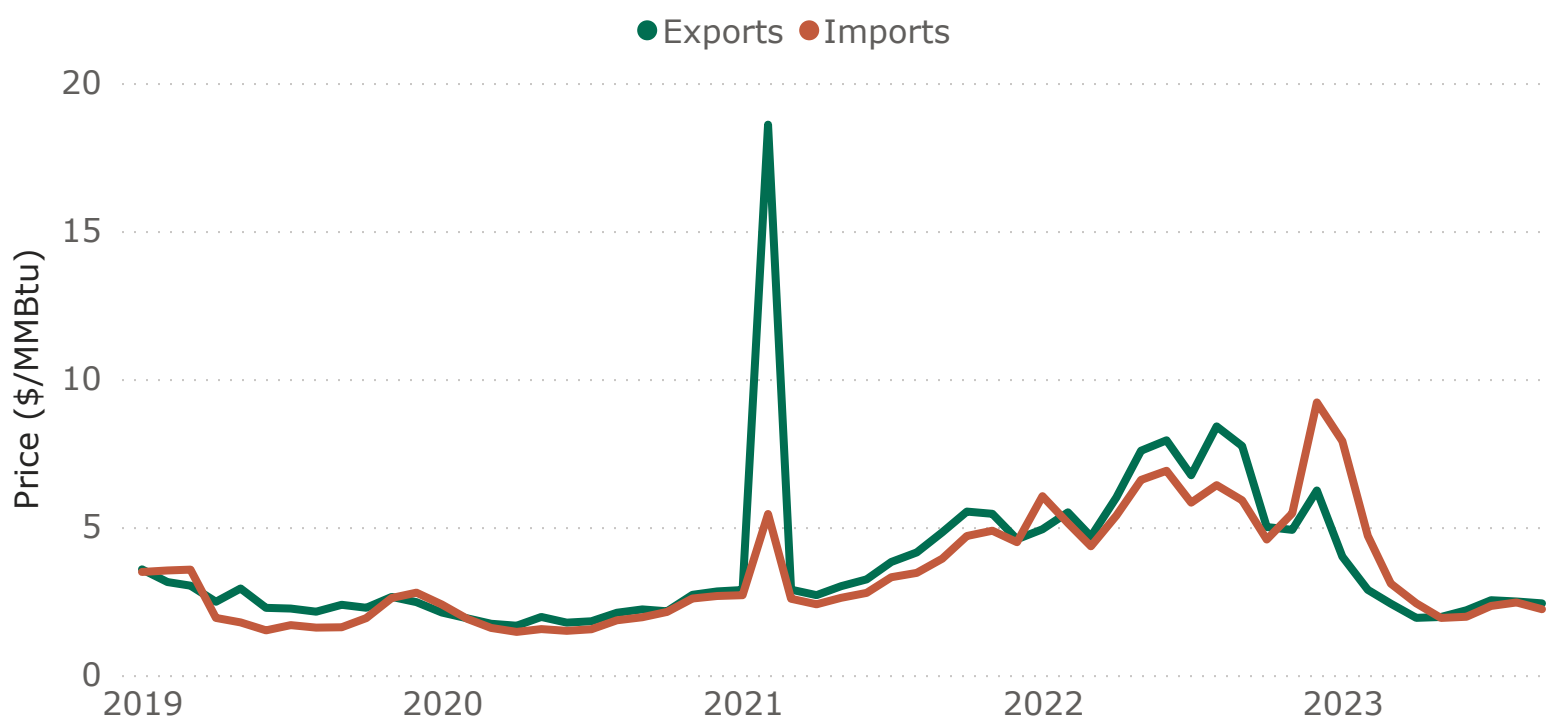
Notes

- 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



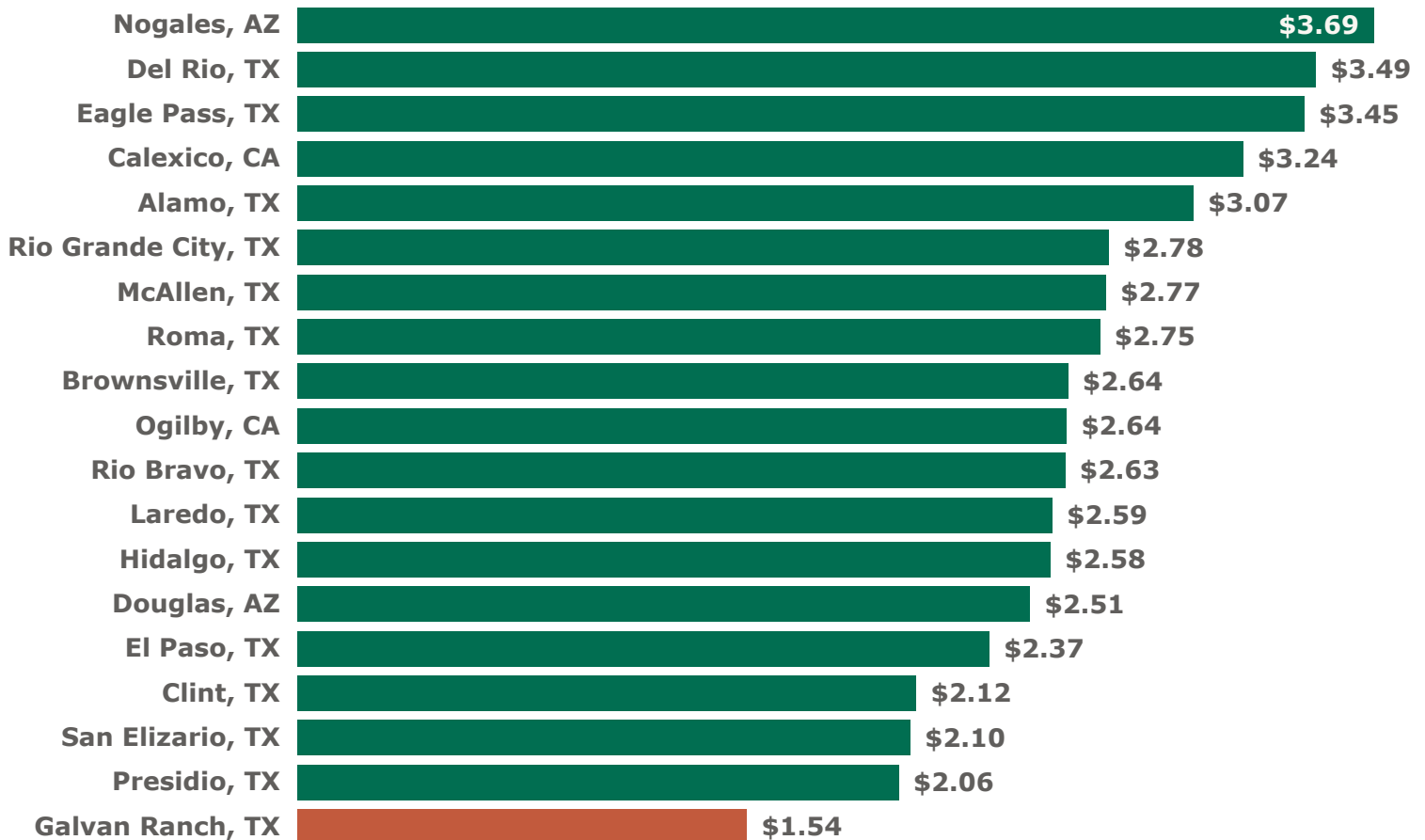
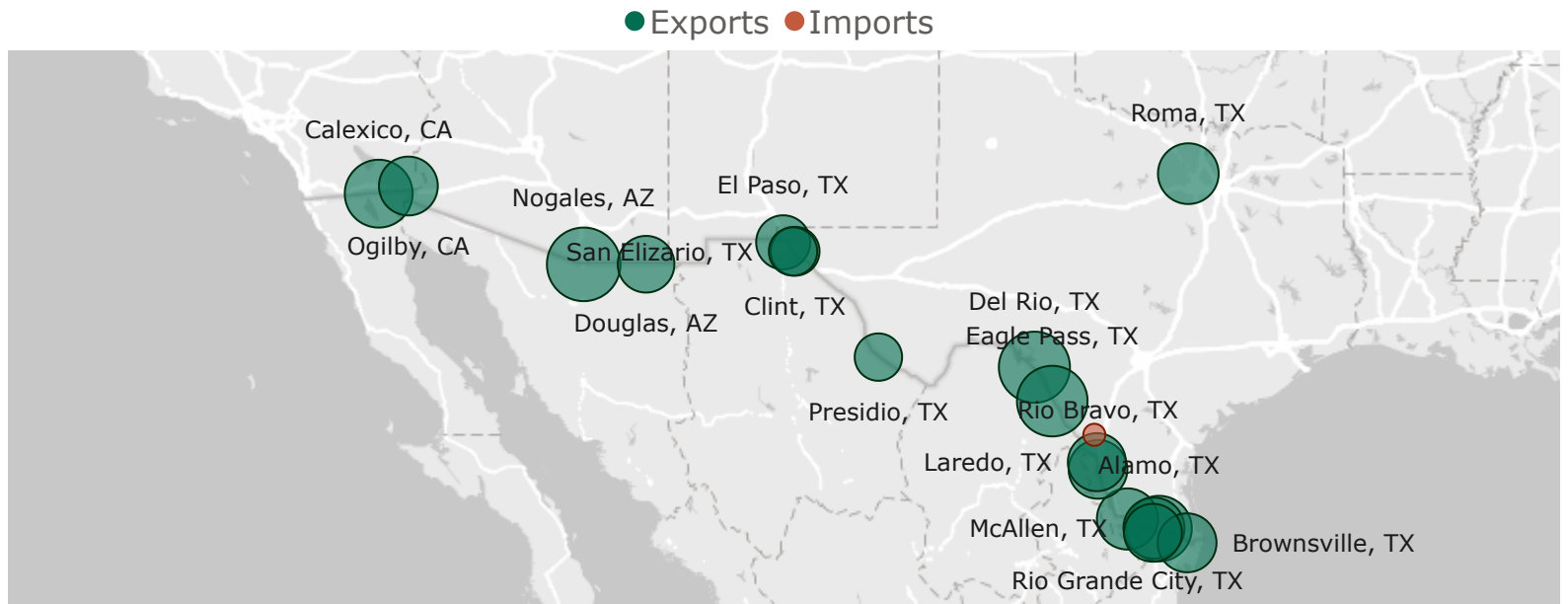
19a. Monthly Summary: U.S. Natural Gas Import & Export by Pipeline & Truck Prices

Price (\$/MMBtu)	Year-to-Date (Jan-Sep)			Annual		
	Mode of Transport	YTD 2023	YTD 2022	% Change	2022	2021
Mexico						
Exports						
Pipeline	\$2.50	\$6.60	-62%	\$6.26	\$5.41	16%
Truck	\$8.38	\$13.09	-36%	\$12.77	\$10.99	16%
Average Price	\$2.51	\$6.61	-62%	\$6.27	\$5.42	16%
Imports						
Pipeline	\$17.71	\$13.79	28%	\$14.72	\$11.10	33%
Truck	-	-	-	-	-	-
Average Price	\$17.71	\$13.79	28%	\$14.72	\$11.10	33%
Canada						
Exports						
Pipeline	\$2.61	\$6.58	-60%	\$6.37	\$3.79	68%
Truck	\$13.64	\$15.81	-14%	\$15.94	\$7.06	126%
Average Price	\$2.61	\$6.58	-60%	\$6.37	\$3.79	68%
Imports						
Pipeline	\$3.31	\$5.81	-43%	\$6.01	\$3.64	65%
Truck	\$5.13	\$8.56	-40%	\$8.66	\$6.30	38%
Average Price	\$3.31	\$5.82	-43%	\$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 (September 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

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	
	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
Exports to Mexico					
Nogales, AZ	\$3.69	\$4.07	\$8.73	-10%	-58%
Del Rio, TX	\$3.49	\$3.39	\$10.01	3%	-65%
Eagle Pass, TX	\$3.45	\$3.34	\$9.74	3%	-65%
Calexico, CA	\$3.24	\$3.31	\$5.36	-2%	-40%
Alamo, TX	\$3.07	\$2.92	\$8.58	5%	-64%
Rio Grande City, TX	\$2.78	\$2.72	\$7.90	2%	-65%
McAllen, TX	\$2.77	\$2.69	\$8.99	3%	-69%
Roma, TX	\$2.75	\$2.67	\$8.48	3%	-68%
Brownsville, TX	\$2.64	\$2.60	\$7.40	2%	-64%
Ogilby, CA	\$2.64	\$3.26	\$10.03	-24%	-74%
Rio Bravo, TX	\$2.63	\$2.64	\$7.41	<1%	-65%
Laredo, TX	\$2.59	\$2.55	\$7.87	1%	-67%
Hidalgo, TX	\$2.58	\$2.48	\$8.70	4%	-70%
Douglas, AZ	\$2.51	\$2.79	\$7.83	-11%	-68%
El Paso, TX	\$2.37	\$2.69	\$7.22	-14%	-67%
Clint, TX	\$2.12	\$2.59	\$6.72	-22%	-68%
San Elizario, TX	\$2.10	\$2.30	\$6.64	-10%	-68%
Presidio, TX	\$2.06	\$2.32	\$6.72	-13%	-69%
Otay Mesa, CA	-	-	-	-	-
Sasabe, AZ	-	-	\$8.52	-	-
Average Price	\$2.54	\$2.62	\$7.73	-3%	-67%
Imports from Mexico					
Galvan Ranch, TX	\$1.54	\$1.41	\$7.77	8%	-80%
Ogilby, CA	-	-	-	-	-
Otay Mesa, CA	-	-	\$26.56	-	-
Rio Grande City, TX	-	-	-	-	-
Average Price	\$1.54	\$1.41	\$23.67	8%	-93%

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-Sep)			Annual		
Point of Entry/Exit	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Imports from Mexico						
Otay Mesa, CA	\$22.01	\$17.70	24%	\$19.34	\$13.44	44%
Galvan Ranch, TX	\$1.61	\$5.62	-71%	\$5.35	\$2.93	82%
Ogilby, CA	-	\$7.22	-	\$7.22	\$12.68	-43%
Rio Grande City, TX	-	-	-	-	\$3.10	-
Average Price	\$17.71	\$13.79	28%	\$14.72	\$11.10	33%
Exports to Mexico						
Calexico, CA	\$3.78	\$4.81	-21%	\$5.29	\$4.15	27%
Ogilby, CA	\$3.64	\$7.59	-52%	\$8.53	\$4.89	75%
Eagle Pass, TX	\$3.53	\$7.73	-54%	\$7.40	\$4.82	53%
Del Rio, TX	\$3.52	\$7.75	-55%	\$7.42	\$5.11	45%
Nogales, AZ	\$3.43	\$7.63	-55%	\$6.82	\$7.15	-5%
Sasabe, AZ	\$3.32	\$6.17	-46%	\$5.53	\$5.95	-7%
Alamo, TX	\$2.94	\$6.92	-58%	\$6.72	\$7.10	-5%
McAllen, TX	\$2.79	\$7.06	-60%	\$6.80	\$4.95	37%
Douglas, AZ	\$2.71	\$7.00	-61%	\$6.49	\$4.94	31%
Roma, TX	\$2.68	\$6.90	-61%	\$6.53	\$5.31	23%
Rio Grande City, TX	\$2.64	\$6.66	-60%	\$6.24	\$5.88	6%
Hidalgo, TX	\$2.52	\$6.21	-59%	\$6.02	\$4.26	41%
Brownsville, TX	\$2.51	\$6.67	-62%	\$6.28	\$6.16	2%
Laredo, TX	\$2.51	\$6.76	-63%	\$6.43	\$5.94	8%
Rio Bravo, TX	\$2.50	\$6.71	-63%	\$6.30	\$5.56	13%
El Paso, TX	\$2.38	\$6.23	-62%	\$5.76	\$5.19	11%
San Elizario, TX	\$2.02	\$6.23	-68%	\$5.69	\$4.90	16%
Clint, TX	\$1.95	\$6.00	-67%	\$5.56	\$4.45	25%
Presidio, TX	\$1.91	\$6.13	-69%	\$5.51	\$4.28	29%
Otay Mesa, CA	-	-	-	-	\$3.58	-
Average Price	\$2.51	\$6.61	-62%	\$6.27	\$5.42	16%

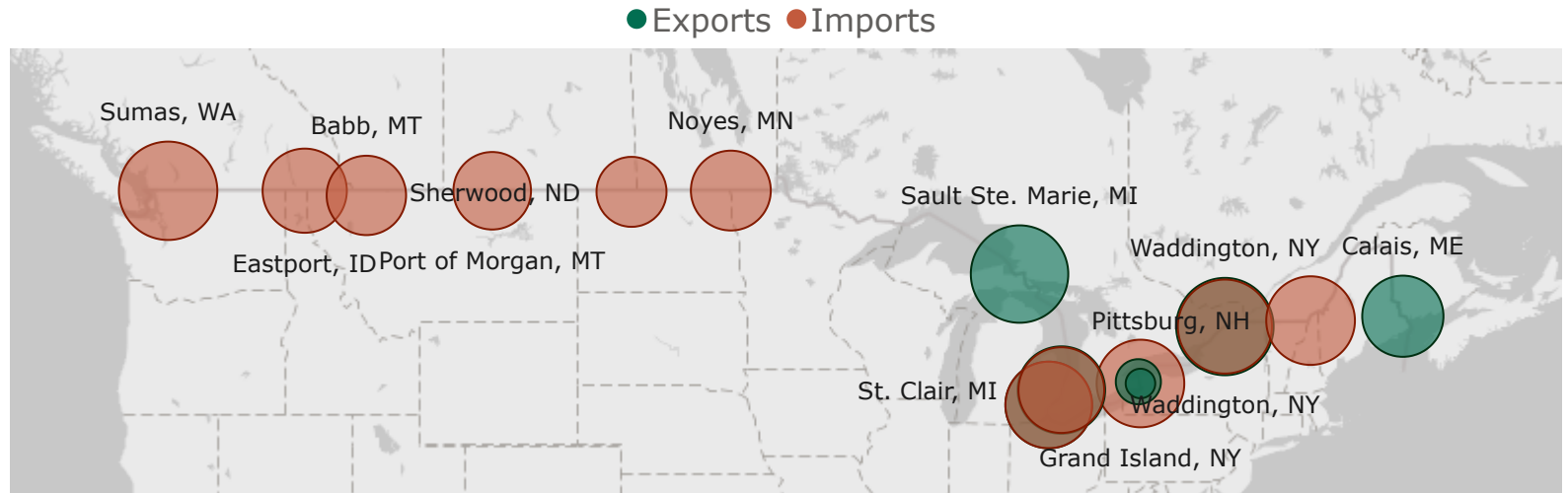
Notes

- 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 (September 2023)



Point of Entry/Exit	Price (\$)
Sumas, WA	\$2.53
Sault Ste. Marie, MI	\$2.51
Waddington, NY	\$2.51
Waddington, NY	\$2.43
Pittsburg, NH	\$2.31
Grand Island, NY	\$2.29
St. Clair, MI	\$2.29
Detroit, MI	\$2.27
Detroit, MI	\$2.27
St. Clair, MI	\$2.25
Eastport, ID	\$2.22
Calais, ME	\$2.17
Noyes, MN	\$2.14
Babb, MT	\$2.13
Port of Morgan, MT	\$2.10
Sherwood, ND	\$1.98
Niagara Falls, NY	\$1.73
Grand Island, NY	\$1.69

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

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	
	Sep 2023	Aug 2023	Sep 2022	Sep 2023 vs. Aug 2023	Sep 2023 vs. Sep 2022
Imports from Canada					
Blaine, WA	\$7.81	\$7.71	\$8.73	1%	-11%
Alcan, Ak	\$7.62	\$7.59	\$6.93	<1%	10%
Calais, ME	\$5.77	\$7.35	\$11.18	-27%	-48%
Warroad, MN	\$3.53	\$3.26	\$8.55	8%	-59%
Highgate Springs, VT	\$2.97	\$2.95	\$7.80	<1%	-62%
Champlain, NY	\$2.77	\$2.79	\$6.84	<1%	-59%
Sumas, WA	\$2.53	\$3.41	\$6.81	-35%	-63%
Waddington, NY	\$2.43	\$2.27	\$7.40	7%	-67%
Portal, ND	\$2.39	\$2.68	\$4.29	-12%	-44%
Pittsburg, NH	\$2.31	\$2.27	\$6.77	2%	-66%
Grand Island, NY	\$2.29	\$2.42	\$7.26	-6%	-68%
Detroit, MI	\$2.27	\$2.29	\$7.77	<1%	-71%
St. Clair, MI	\$2.25	\$2.31	\$7.40	-3%	-70%
Eastport, ID	\$2.22	\$2.57	\$4.54	-16%	-51%
Massena, NY	\$2.18	\$2.23	\$7.16	-2%	-70%
Noyes, MN	\$2.14	\$2.13	\$6.50	<1%	-67%
Babb, MT	\$2.13	\$2.23	\$3.33	-5%	-36%
Port of Morgan, MT	\$2.10	\$1.90	\$5.67	9%	-63%
Whitlash, MT	\$2.01	\$1.90	\$3.16	5%	-36%
Sherwood, ND	\$1.98	\$1.96	\$6.36	<1%	-69%
Niagara Falls, NY	\$1.82	-	-	-	-
Houlton, ME	\$1.76	\$1.98	\$9.14	-13%	-81%
Buffalo, NY	-	-	-	-	-
Jackman, ME	-	-	-	-	-
Marysville, MI	-	-	-	-	-
North Troy, VT	-	-	-	-	-
Sault Ste. Marie, MI	-	-	-	-	-
Sweetgrass, MT	-	-	\$1.89	-	-
Average Price	\$2.23	\$2.46	\$5.90	-10%	-62%
Exports to Canada					
Sault Ste. Marie, MI	\$2.51	\$2.53	\$7.46	<1%	-66%
Waddington, NY	\$2.51	\$2.36	\$6.90	6%	-64%
St. Clair, MI	\$2.29	\$2.26	\$8.17	1%	-72%
Detroit, MI	\$2.27	\$2.29	\$7.20	<1%	-68%
Sumas, WA	\$2.21	\$3.50	\$7.98	-58%	-72%
Calais, ME	\$2.17	\$2.18	\$7.53	<1%	-71%
Noyes, MN	\$2.14	\$2.23	\$6.25	-4%	-66%
Niagara Falls, NY	\$1.73	\$1.64	\$7.19	5%	-76%
Grand Island, NY	\$1.69	\$1.58	\$7.88	7%	-79%
Portal, ND	\$1.67	\$1.83	\$3.02	-10%	-45%
Pittsburg, NH	\$1.56	\$1.45	-	7%	-
Buffalo, NY	-	-	-	-	-
Champlain, NY	-	-	-	-	-
Eastport, ID	-	-	-	-	-
Marysville, MI	-	-	-	-	-
Massena, NY	-	-	-	-	-
Sweetgrass, MT	-	\$1.84	\$1.89	-	-
Average Price	\$2.11	\$2.07	\$7.76	2%	-73%

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-Sep)			Annual		
Point of Entry/Exit	YTD 2023	YTD 2022	% Change	2022	2021	% Change
Imports from Canada						
Niagara Falls, NY	\$18.31	\$5.12	258%	\$6.06	\$3.69	64%
Calais, ME	\$12.98	\$13.61	-5%	\$14.18	\$6.19	129%
Blaine, WA	\$8.65	\$8.13	6%	\$8.47	\$6.62	28%
Sweetgrass, MT	\$8.58	\$2.11	3x	\$2.11	\$16.20	-87%
Alcan, Ak	\$7.93	\$14.14	-44%	\$12.07	-	-
Houlton, ME	\$7.57	\$11.13	-32%	\$11.32	\$5.68	99%
Jackman, ME	\$7.46	\$5.96	25%	\$7.79	\$6.21	25%
Sumas, WA	\$5.74	\$5.99	-4%	\$6.96	\$3.82	82%
Massena, NY	\$5.72	\$7.26	-21%	\$7.38	\$5.11	44%
Champlain, NY	\$4.47	\$9.39	-52%	\$8.76	\$4.24	106%
Portal, ND	\$3.99	\$4.34	-8%	\$4.30	\$2.76	56%
Warroad, MN	\$3.99	\$5.46	-27%	\$5.88	\$3.01	95%
Waddington, NY	\$3.98	\$8.10	-51%	\$7.86	\$4.17	88%
Highgate Springs, VT	\$3.48	\$5.76	-40%	\$5.93	\$3.63	63%
Pittsburg, NH	\$3.36	\$8.61	-61%	\$8.51	\$4.50	89%
Eastport, ID	\$3.33	\$4.80	-31%	\$5.42	\$3.20	69%
Detroit, MI	\$2.42	\$6.34	-62%	\$6.02	\$3.85	56%
Port of Morgan, MT	\$2.37	\$5.34	-56%	\$5.26	\$3.58	47%
St. Clair, MI	\$2.33	\$6.68	-65%	\$6.28	\$4.30	46%
Noyes, MN	\$2.32	\$5.92	-61%	\$5.74	\$3.51	63%
Babb, MT	\$2.24	\$4.46	-50%	\$4.35	\$3.05	43%
Sherwood, ND	\$2.22	\$5.72	-61%	\$5.50	\$3.71	48%
Grand Island, NY	\$2.20	\$6.57	-66%	\$6.41	\$3.83	67%
Whitlash, MT	\$2.16	\$4.39	-51%	\$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	-	-
Sault Ste. Marie, MI	-	-	-	-	\$2.43	-
Average Price	\$3.31	\$5.82	-43%	\$6.01	\$3.64	65%
Exports to Canada						
Sumas, WA	\$3.95	\$5.78	-32%	\$11.16	\$3.92	185%
Calais, ME	\$3.81	\$8.94	-57%	\$8.61	\$4.92	75%
Sweetgrass, MT	\$3.70	\$2.03	83%	\$3.04	-	-
Waddington, NY	\$3.11	\$7.42	-58%	\$6.82	\$3.64	87%
Sault Ste. Marie, MI	\$2.66	\$6.42	-59%	\$6.16	\$3.73	65%
St. Clair, MI	\$2.64	\$6.29	-58%	\$6.10	\$3.69	65%
Detroit, MI	\$2.47	\$6.23	-60%	\$5.90	\$3.62	63%
Marysville, MI	\$2.47	\$5.19	-52%	\$5.34	\$3.76	42%
Champlain, NY	\$2.40	-	-	-	-	-
Noyes, MN	\$2.21	\$6.12	-64%	\$5.94	\$3.37	76%
Pittsburg, NH	\$2.15	\$8.19	-74%	\$6.79	\$2.54	167%
Niagara Falls, NY	\$2.06	\$6.28	-67%	\$5.96	\$3.48	71%
Grand Island, NY	\$1.92	\$6.48	-70%	\$6.17	\$3.53	74%
Portal, ND	\$1.91	\$5.98	-68%	\$5.39	\$3.92	37%
Buffalo, NY	\$1.81	-	-	-	-	-
Eastport, ID	-	-	-	-	\$2.48	-
Massena, NY	-	-	-	-	\$2.73	-
Average Price	\$2.61	\$6.58	-60%	\$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.

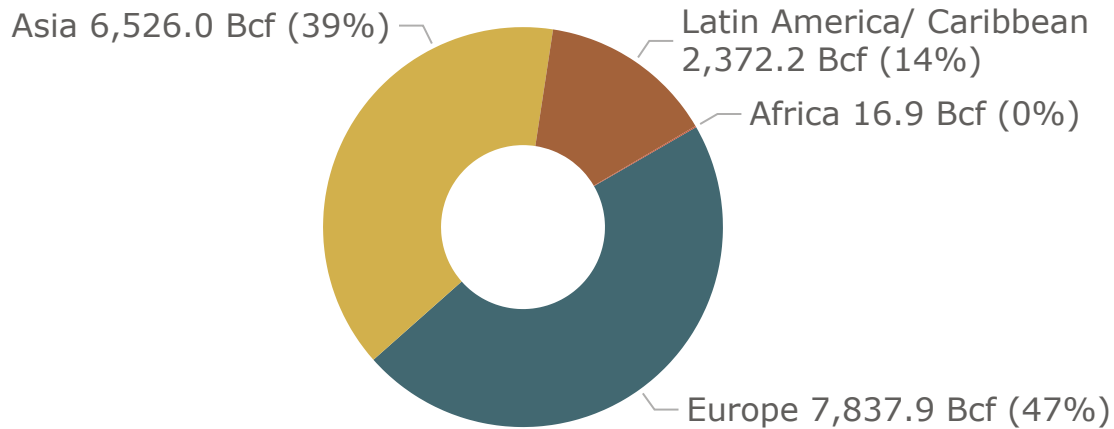
Appendices and Miscellaneous

Cumulative U.S.-Produced LNG Exports

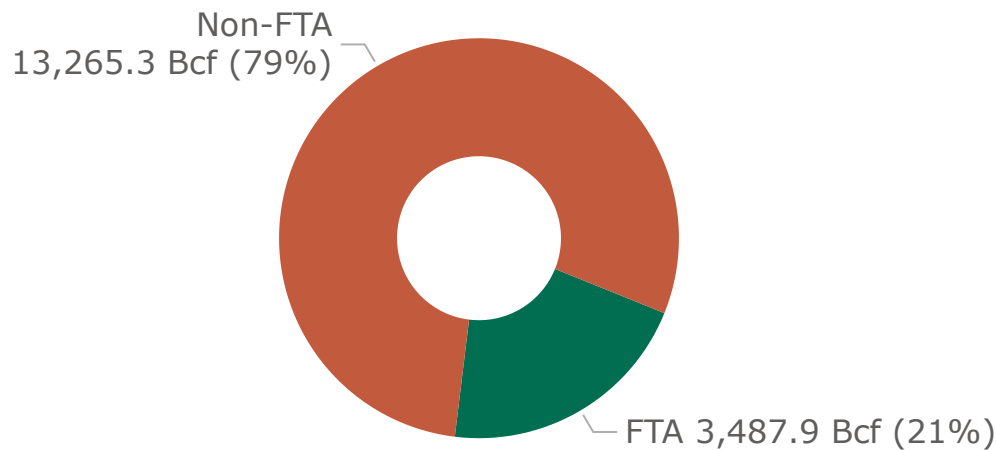
Cumulative Summary

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



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



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

Region of Destination	Volume (Bcf)	Volume (% of Total)	No. of Cargos	No. of Countries	% nFTA
LNG Exports by Vessel					
Europe	7,837.9	46.8%	2448	15	100%
Asia	6,526.0	39.0%	1942	15	67%
Latin America/ Caribbean	2,366.4	14.1%	867	9	44%
Africa	16.9	0.1%	5	1	100%
Total	16,747.3	100.0%	5262	40	79%
LNG Exports by ISO Container					
Latin America/ Caribbean	5.8	0.0%	1518	6	100%
Europe	0.0	0.0%	1	1	100%
Total	5.8	0.0%	1519	7	100%
Total LNG Exports	16,753.1	100.0%		45	79%

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 Sep 2023)

Country of Destination	Rank	Volume (Bcf)	Volume (% of Total)	No. of Cargos
LNG Exports by Vessel				
South Korea*	1	1,911.3	11%	553
Japan	2	1,465.5	9%	430
United Kingdom	3	1,324.4	8%	398
France	4	1,304.7	8%	401
Spain	5	1,241.1	7%	398
Netherlands	6	1,188.9	7%	351
China	7	1,108.8	7%	331
India	8	752.6	4%	221
Turkiye	9	671.2	4%	210
Brazil	10	635.9	4%	229
Mexico*	11	555.1	3%	167
Italy	12	463.3	3%	143
Chile*	13	450.5	3%	143
Taiwan	14	411.2	2%	129
Poland	15	365.4	2%	110
Argentina	16	342.2	2%	142
Portugal	17	321.3	2%	101
Dominican Republic*	18	210.9	1%	88
Greece	19	206.6	1%	91
Belgium	20	193.2	1%	61
Kuwait	21	191.5	1%	55
Lithuania	22	189.2	1%	61
Croatia	23	159.1	1%	52
Germany	24	156.1	1%	48
Pakistan	25	128.9	1%	40
Jordan*	26	127.5	1%	37
Singapore*	27	124.4	1%	38
Thailand	28	123.4	1%	35
Bangladesh	29	82.1	0%	24
Panama*	30	67.7	0%	35
Jamaica	31	63.6	0%	36
United Arab Emirates	32	51.1	0%	15
Colombia*	33	40.5	0%	26
Finland	34	33.1	0%	12
Israel	35	28.0	0%	9
Malta	36	20.1	0%	11
Egypt	37	16.9	0%	5
Indonesia	38	16.0	0%	24
Malaysia	39	3.7	0%	1
El Salvador*	40	<0.1	0%	1
Total		16,747.3	100%	5262
LNG Exports by ISO Container				
Jamaica	1	2.0	0%	187
Bahamas	2	1.9	0%	799
Barbados	3	1.3	0%	305
Haiti	4	0.5	0%	157
Antigua and Barbuda	5	0.1	0%	69
Nicaragua*	6	<0.1	0%	1
Germany	7	<0.1	0%	1
Total		5.8	0%	1519
Total LNG Exports		16,753.1	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)
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.