



U.S. DEPARTMENT OF
ENERGY

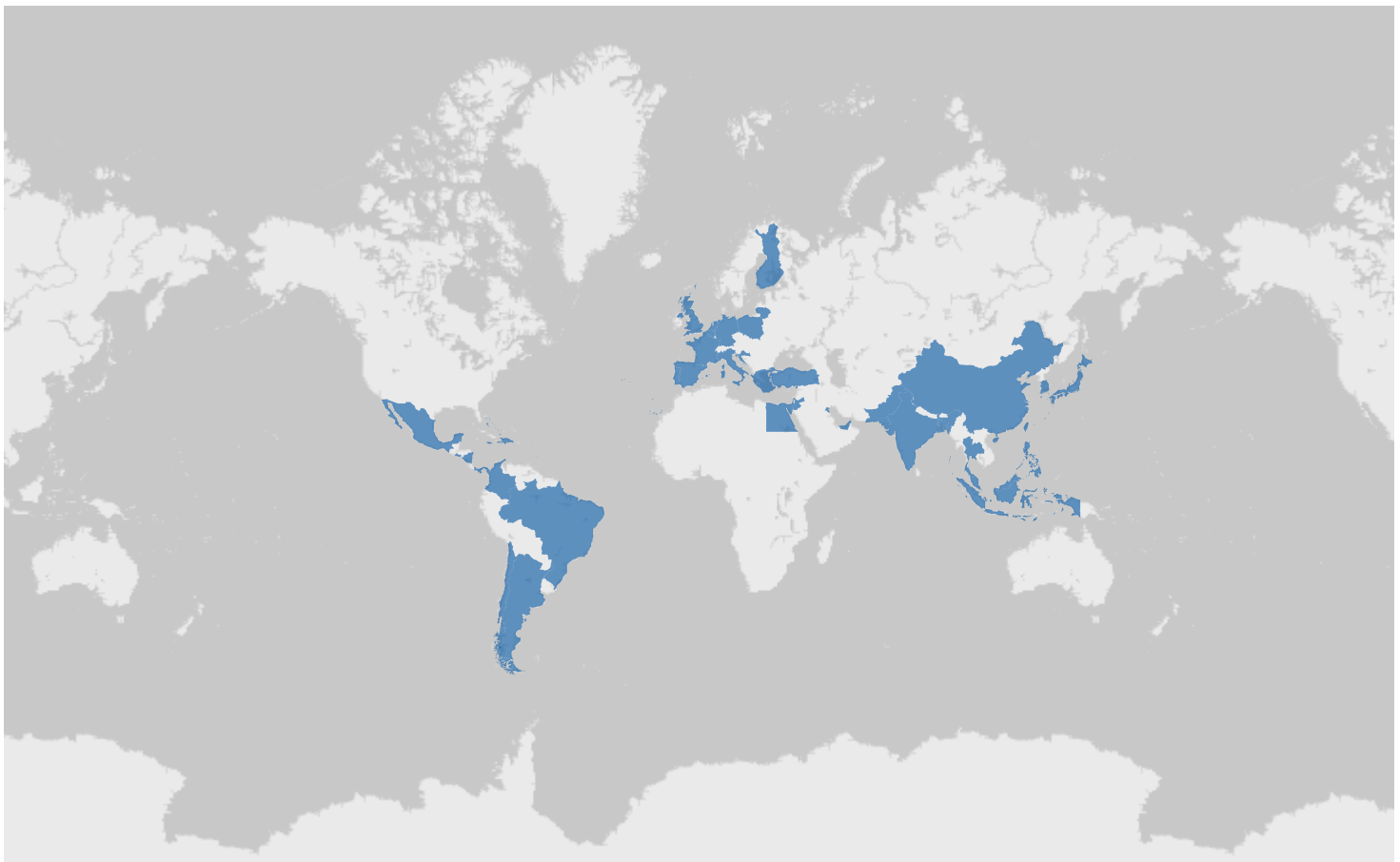
Fossil Energy and
Carbon Management

OFFICE OF RESOURCE SUSTAINABILITY

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

U.S. Natural Gas Imports and Exports Monthly October 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

October 2023

Summary

In October 2023, the United States exported 651.3 Bcf and imported 247.7 Bcf of natural gas, which resulted in 403.6 Bcf of net exports.

U.S. LNG Exports

The United States exported 384.4 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 (259.7 Bcf, 67.6%), Asia (101.8 Bcf, 26.5%), Latin America/ Caribbean (22.9 Bcf, 6.0%)
- 10.9% increase from September 2023
- 24.1% increase from October 2022
- 88.2% of total LNG exports went to non-Free Trade Agreement countries (nFTA), while the remaining 11.8% went to Free Trade Agreement countries (FTA).

U.S. LNG exports to the top five countries of destination accounted for 54.7% of total U.S. LNG exports.

- France (53.6 Bcf, 13.9%), Spain (49.8 Bcf, 13.0%), Netherlands (49.7 Bcf, 12.9%), United Kingdom (28.8 Bcf, 7.5%), and South Korea (28.2 Bcf, 7.3%).

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

The United States exported 200.0 Bcf of natural gas to Mexico and imported less than 0.1 Bcf of natural gas from Mexico, which resulted in 199.9 Bcf of net exports.

- 1.2% decrease from September 2023
- 16.3% increase from October 2022

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

The United States exported 66.9 Bcf of natural gas to Canada and imported 239.3 Bcf of natural gas from Canada, which resulted in 172.3 Bcf of net imports.

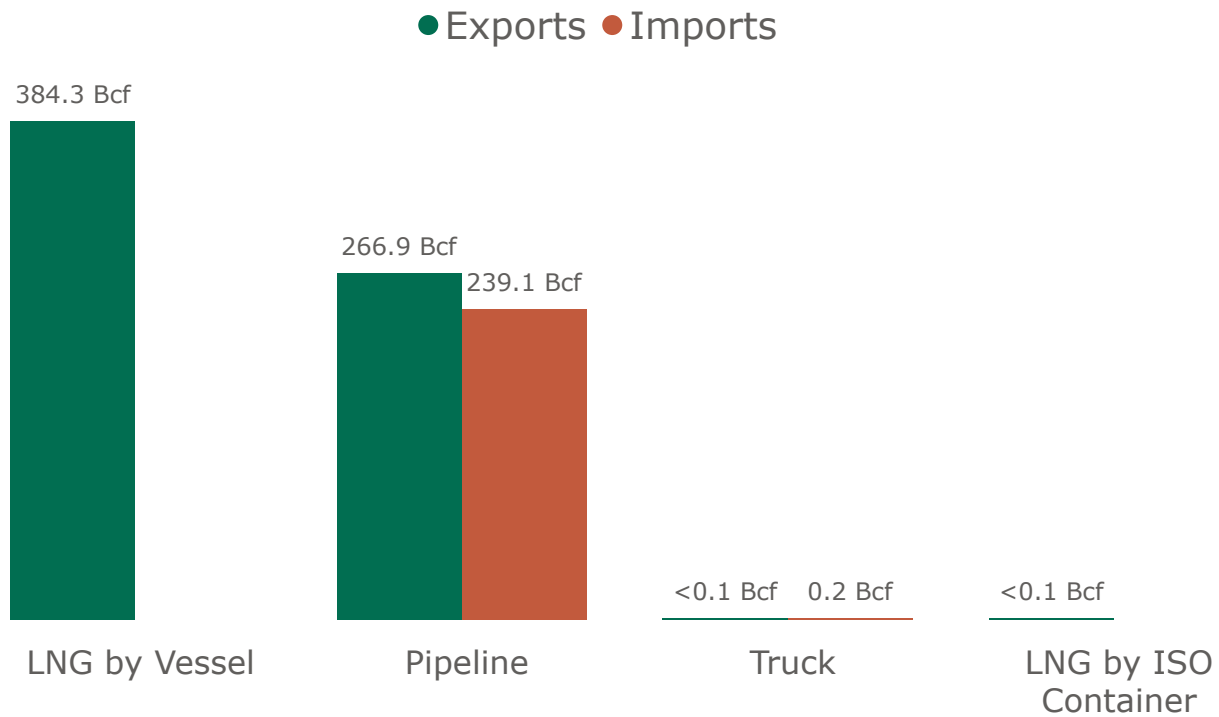
- 12.7% increase from September 2023
- 8.0% increase from October 2022

U.S. Natural Gas Imports & Exports

Monthly Summary

2

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



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

| Volume (Bcf) | Monthly | | | Percentage Change | |
|----------------------|--------------|--------------|--------------|-----------------------|-----------------------|
| Mode of Transport | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
| Exports | | | | | |
| LNG by Vessel | 384.3 | 346.5 | 309.4 | 11% | 24% |
| Pipeline | 266.9 | 279.0 | 244.5 | -4% | 9% |
| Truck | <0.1 | <0.1 | 0.2 | -47% | -86% |
| LNG by ISO Container | <0.1 | <0.1 | 0.2 | -30% | -73% |
| Total | 651.3 | 625.6 | 554.3 | 4% | 17% |
| Imports | | | | | |
| LNG by Vessel | 0 | 0 | 0 | - | - |
| Pipeline | 239.1 | 237.5 | 247.9 | <1% | -4% |
| Truck | 0.2 | 0.2 | 0.2 | 23% | 1% |
| LNG by ISO Container | 0 | 0 | 0 | - | - |
| Total | 239.3 | 237.7 | 248.2 | <1% | -4% |
| Net Exports | 412.0 | 388.0 | 306.2 | 6% | 35% |

Notes

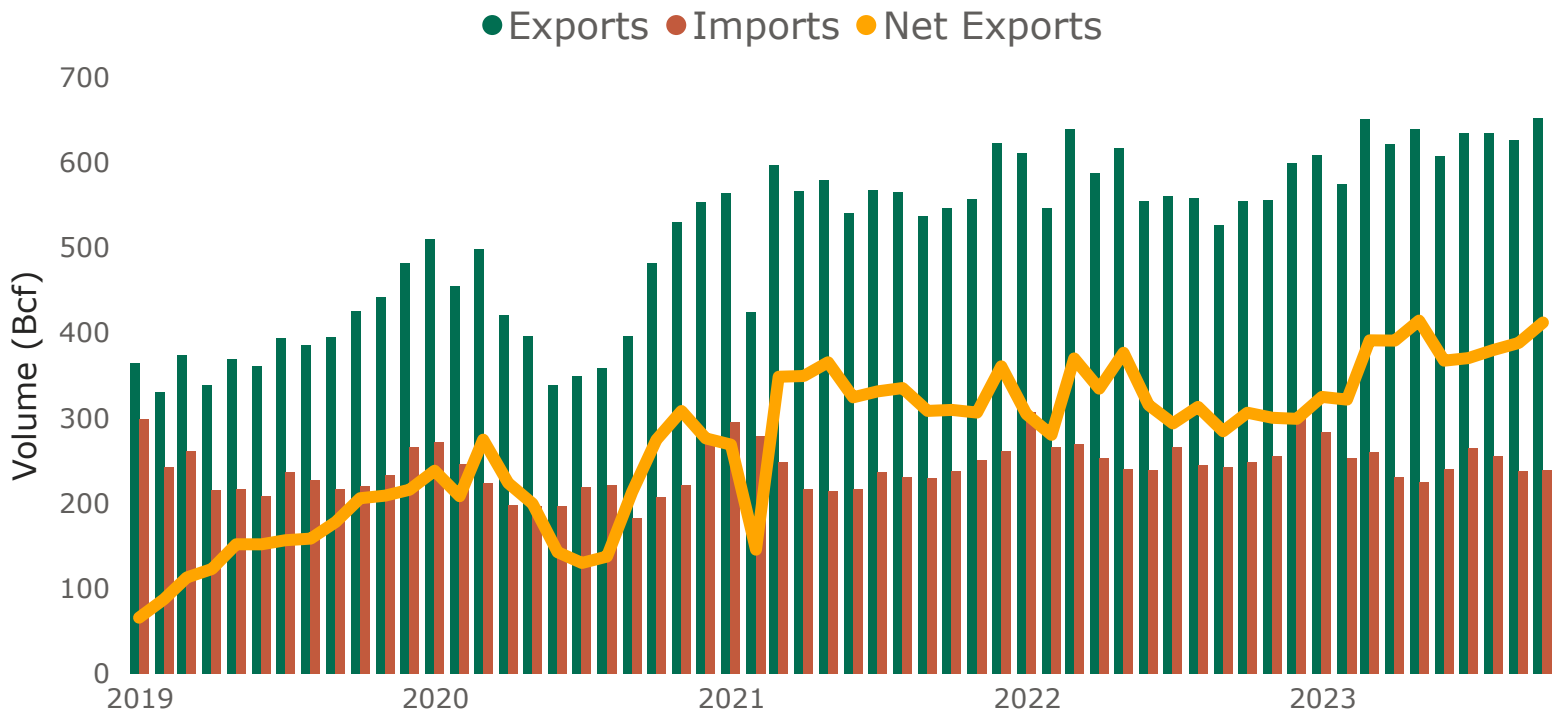
- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- Does not include LNG Re-Exports or Puerto Rico LNG Imports or Exports. See Table 6 for LNG Re-Exports and Table 8 for Puerto Rico LNG Imports and Exports.
- Totals may not equal sum of components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

U.S. Natural Gas Imports & Exports

Year-to-Date and Annual Summary

3

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) | Year-to-Date (Jan-Oct) | | | Annual | | |
|----------------------|------------------------|----------------|------------|----------------|----------------|---------------|
| Mode of Transport | YTD 2023 | YTD 2022 | % Change | 2022 | 2021 | % Change |
| Exports | | | | | | |
| LNG by Vessel | 3,532.6 | 3,220.0 | 10% | 3,861.9 | 3,558.3 | 9% |
| Pipeline | 2,712.2 | 2,529.7 | 7% | 3,040.8 | 3,103.3 | -2% |
| Truck | 0.6 | 1.3 | -52% | 1.6 | 1.6 | 3% |
| LNG by ISO Container | 1.0 | 1.7 | -43% | 2.1 | 1.1 | 83% |
| Total | 6,246.4 | 5,752.8 | 9% | 6,906.4 | 6,664.4 | 4% |
| Imports | | | | | | |
| LNG by Vessel | 10.5 | 19.5 | -46% | 23.5 | 21.4 | 10% |
| Pipeline | 2,474.5 | 2,553.9 | -3% | 3,104.0 | 2,890.5 | 7% |
| Truck | 2.1 | 1.7 | 23% | 2.1 | 0.5 | 296% |
| LNG by ISO Container | 0 | 0 | - | 0 | 0 | - |
| Total | 2,487.1 | 2,575.1 | -3% | 3,129.6 | 2,912.4 | 7% |
| Net Exports | 3,759.3 | 3,177.7 | 18% | 3,776.8 | 3,752.0 | <1% |

Notes

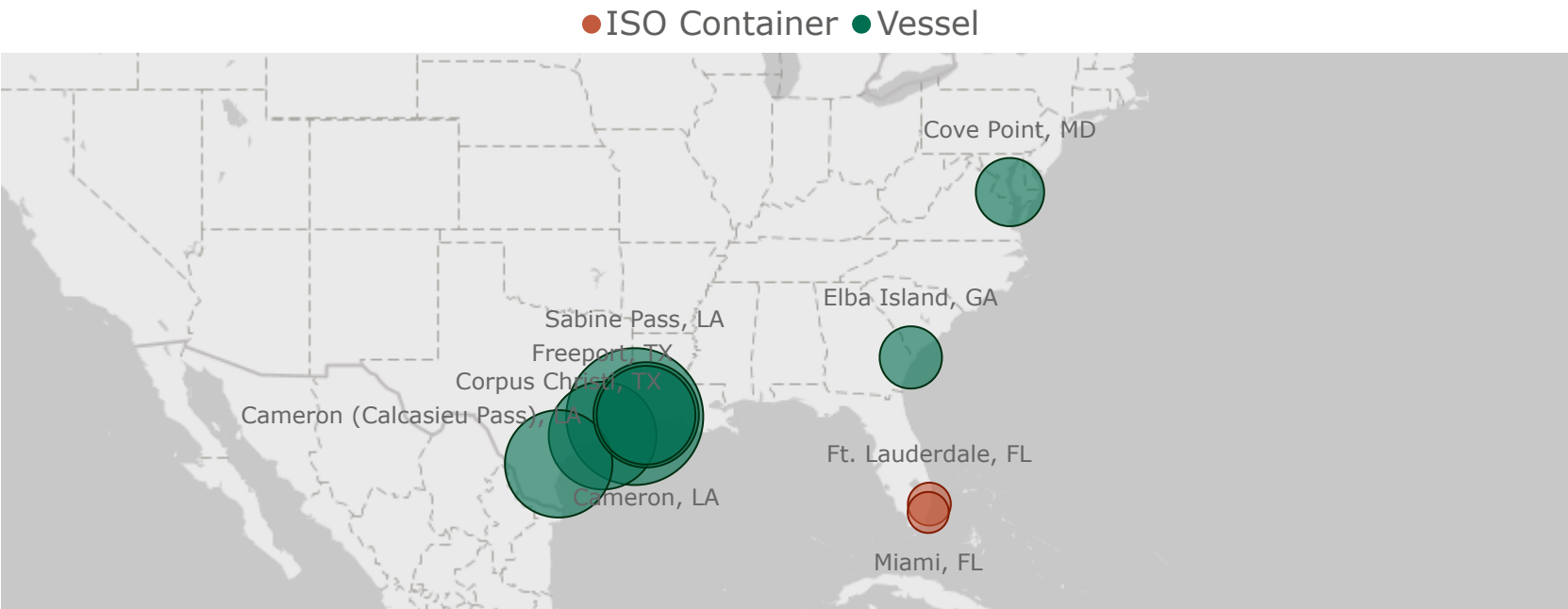
- Does not include LNG Re-Exports or Puerto Rico LNG Imports or Exports. See Table 6 for LNG Re-Exports and Table 8 for Puerto Rico LNG Imports and Exports.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).

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 (October 2023)



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 | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 | Oct 2023 | Oct 2023 | Oct 2023 | Oct 2023 |
| LNG Exports by Vessel | | | | | | | | | |
| Sabine Pass, LA | 132.4 | 115.4 | 130.4 | 15% | 2% | 39 | 17 | 88% | 0% |
| Freeport, TX | 64.0 | 54.0 | 0 | 18% | - | 22 | 9 | 83% | 6% |
| Corpus Christi, TX | 63.4 | 59.4 | 66.8 | 7% | -5% | 19 | 10 | 90% | 0% |
| Cameron, LA | 59.5 | 49.4 | 59.5 | 21% | <1% | 21 | 11 | 94% | 0% |
| Cameron (Calcasieu Pass), LA | 47.9 | 39.0 | 45.3 | 23% | 6% | 15 | 8 | 89% | 56% |
| Cove Point, MD | 10.7 | 17.5 | 0 | -39% | - | 4 | 4 | 100% | 0% |
| Elba Island, GA | 6.5 | 11.9 | 7.4 | -45% | -12% | 4 | 3 | 53% | 0% |
| Total | 384.3 | 346.5 | 309.4 | 11% | 24% | 124 | 25 | 88% | 8% |
| LNG Exports by ISO Container | | | | | | | | | |
| Ft. Lauderdale, FL | <0.1 | <0.1 | 0.2 | -28% | -73% | 29 | 3 | 100% | 0% |
| Miami, FL | <0.1 | <0.1 | <0.1 | -60% | -32% | 2 | 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 | -30% | -73% | 31 | 4 | 100% | 0% |
| Total LNG Exports | 384.4 | 346.6 | 309.6 | 11% | 24% | - | 28 | 88% | 8% |

Notes

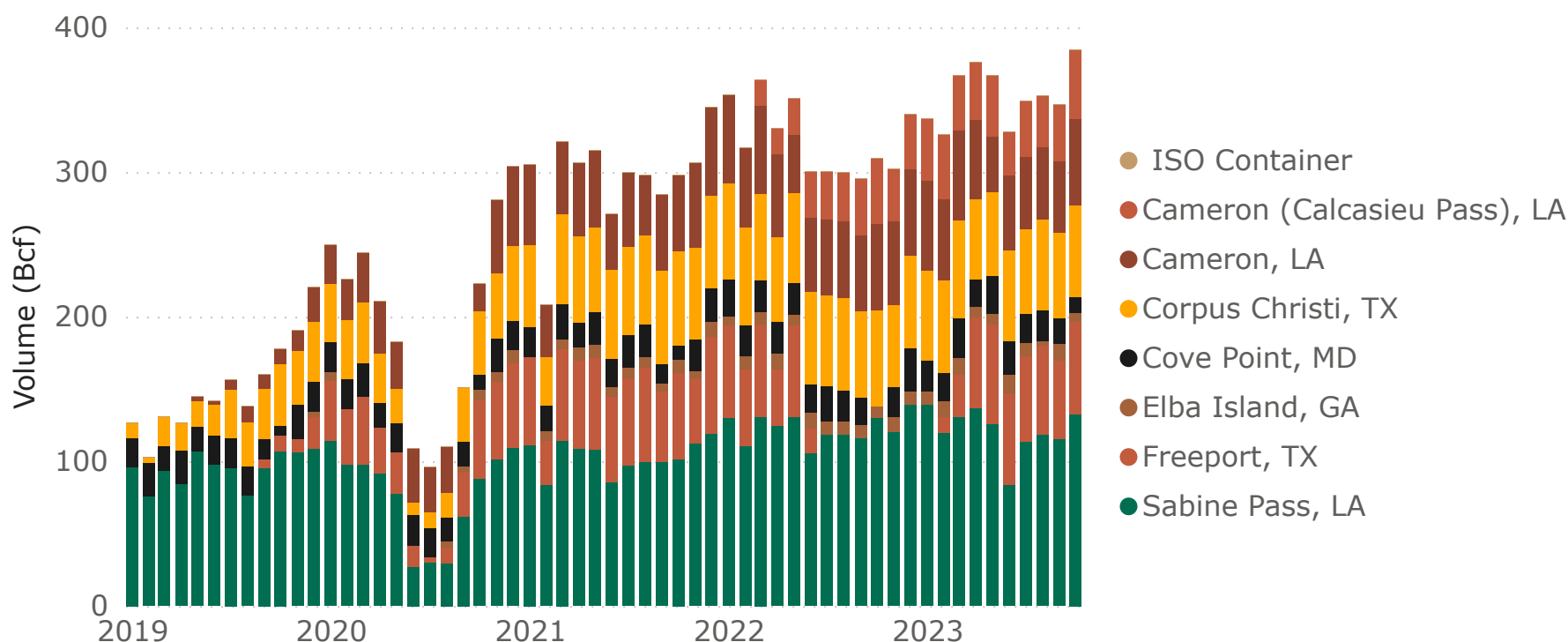
- Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).

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-Oct) | | | 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 | 1,216.2 | 1,215.8 | <1% | 1,475.0 | 1,240.7 | 19% | 362 | 33 | 89% | 0% |
| Corpus Christi, TX | 613.8 | 632.1 | -3% | 753.3 | 712.2 | 6% | 183 | 27 | 92% | 0% |
| Cameron, LA | 534.5 | 543.0 | -2% | 660.4 | 602.8 | 10% | 179 | 26 | 91% | 0% |
| Freeport, TX | 473.7 | 301.0 | 57% | 301.0 | 683.9 | -56% | 173 | 25 | 81% | 5% |
| Cameron (Calcasieu Pass), LA | 398.5 | 244.0 | 63% | 317.8 | 0 | - | 126 | 22 | 91% | 51% |
| Cove Point, MD | 206.3 | 195.7 | 5% | 245.9 | 234.2 | 5% | 66 | 16 | 98% | 0% |
| Elba Island, GA | 89.7 | 88.4 | 1% | 108.4 | 84.4 | 28% | 39 | 15 | 84% | 0% |
| Total | 3,532.6 | 3,220.0 | 10% | 3,861.9 | 3,558.3 | 9% | 1,128 | 36 | 89% | 6% |
| LNG Exports by ISO Container | | | | | | | | | | |
| Ft. Lauderdale, FL | 1.0 | 1.7 | -43% | 2.1 | 1.1 | 80% | 252 | 4 | 100% | 0% |
| Miami, FL | <0.1 | <0.1 | -51% | <0.1 | <0.1 | 13X | 24 | 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 | 1.0 | 1.7 | -43% | 2.1 | 1.1 | 83% | 276 | 4 | 100% | 0% |
| Total LNG Exports | 3,533.6 | 3,221.8 | 10% | 3,864.0 | 3,559.4 | 9% | - | 39 | 89% | 6% |

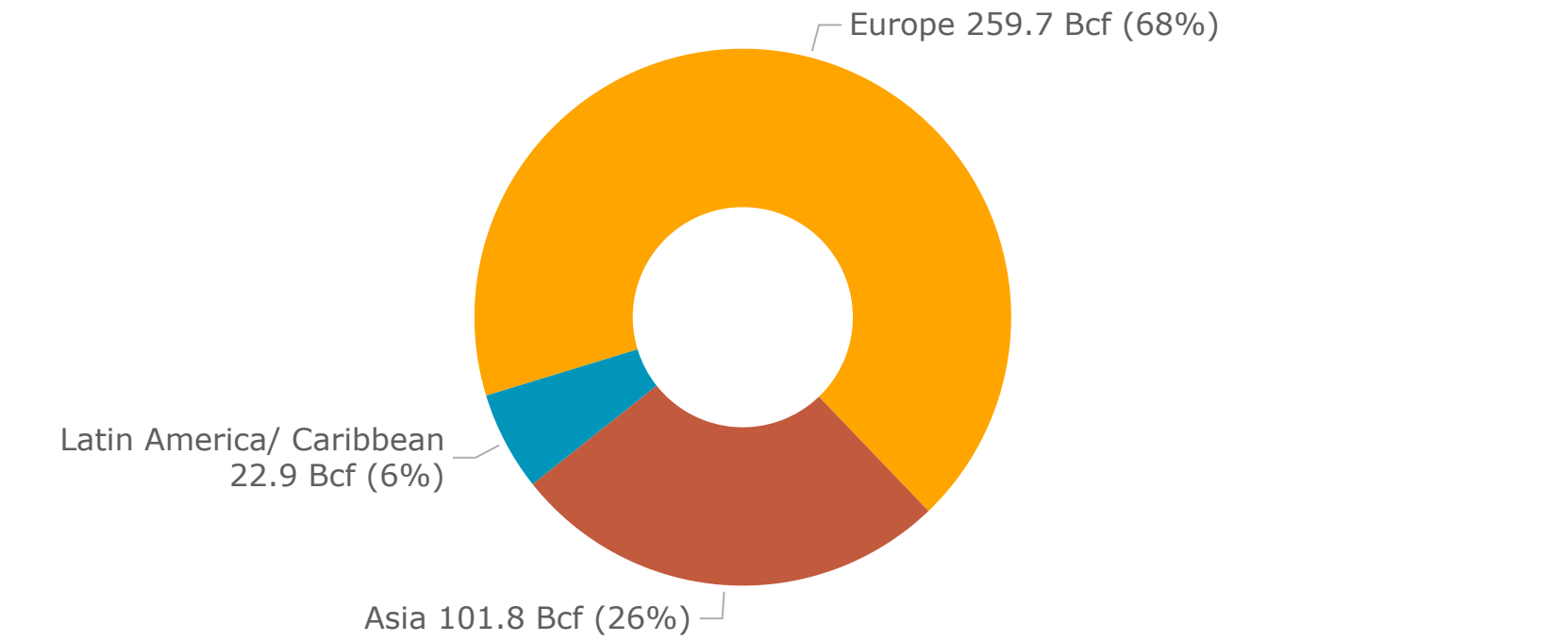
Notes

- 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 (October 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 | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 | Oct 2023 | Oct 2023 | Oct 2023 | Oct 2023 |
| LNG Exports by Vessel | | | | | | | | | |
| Europe | 259.7 | 193.2 | 200.1 | 34% | 30% | 83 | 12 | 100% | 8% |
| Asia | 101.8 | 122.4 | 98.7 | -17% | 3% | 30 | 8 | 72% | 7% |
| Latin America/ Caribbean | 22.8 | 30.8 | 10.6 | -26% | 115% | 11 | 5 | 24% | 8% |
| Total | 384.3 | 346.5 | 309.4 | 11% | 24% | 124 | 25 | 88% | 8% |
| LNG Exports by ISO Container | | | | | | | | | |
| Latin America/ Caribbean | <0.1 | <0.1 | 0.2 | -30% | -73% | 31 | 4 | 100% | 0% |
| Total | <0.1 | <0.1 | 0.2 | -30% | -73% | 31 | 4 | 100% | 0% |
| Total LNG Exports | 384.4 | 346.6 | 309.6 | 11% | 24% | - | 28 | 88% | 8% |

Notes

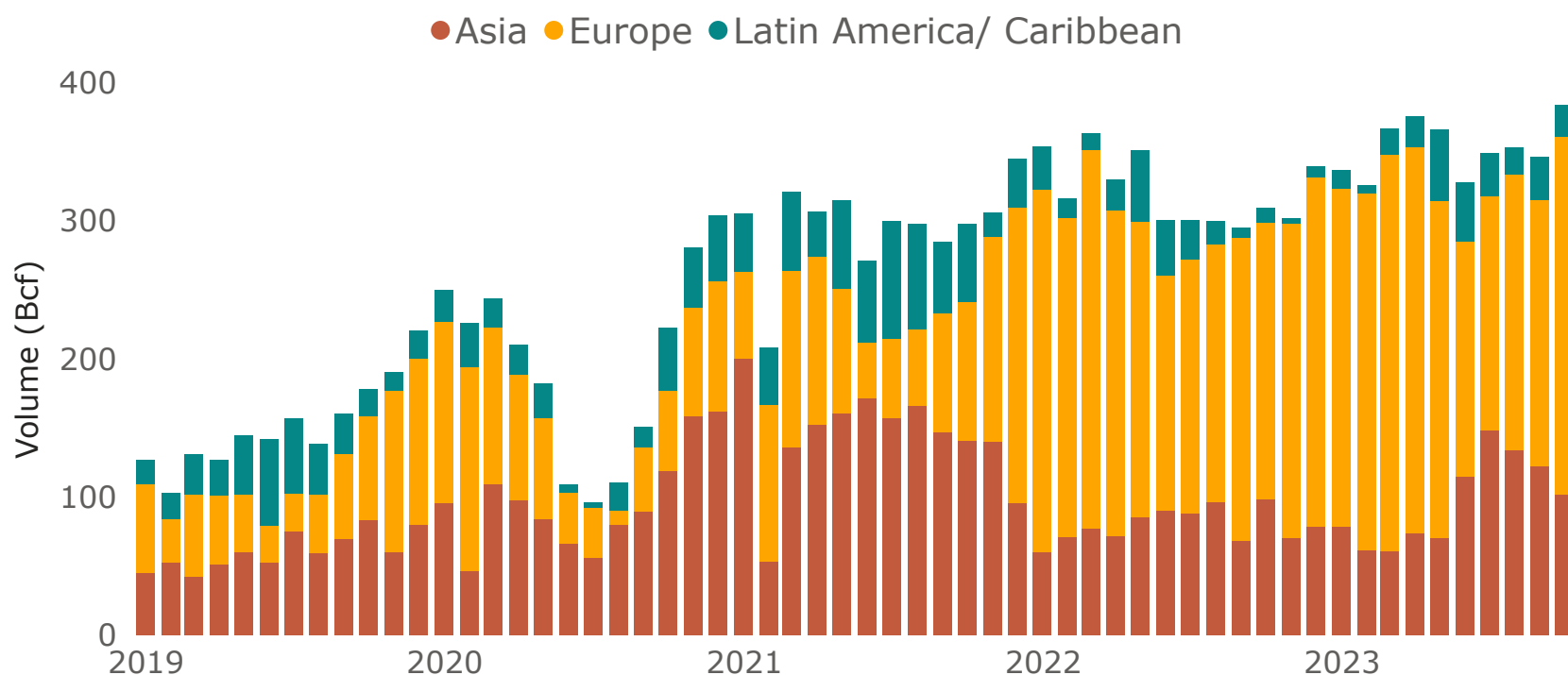
- Some cargos might be split cargos. Split cargos refer to a single shipment of LNG where portions of the cargo have different transactional characteristics.
- Totals may not equal sum of components because of independent rounding.
- not applicable(-).
- The world region classification is based on the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



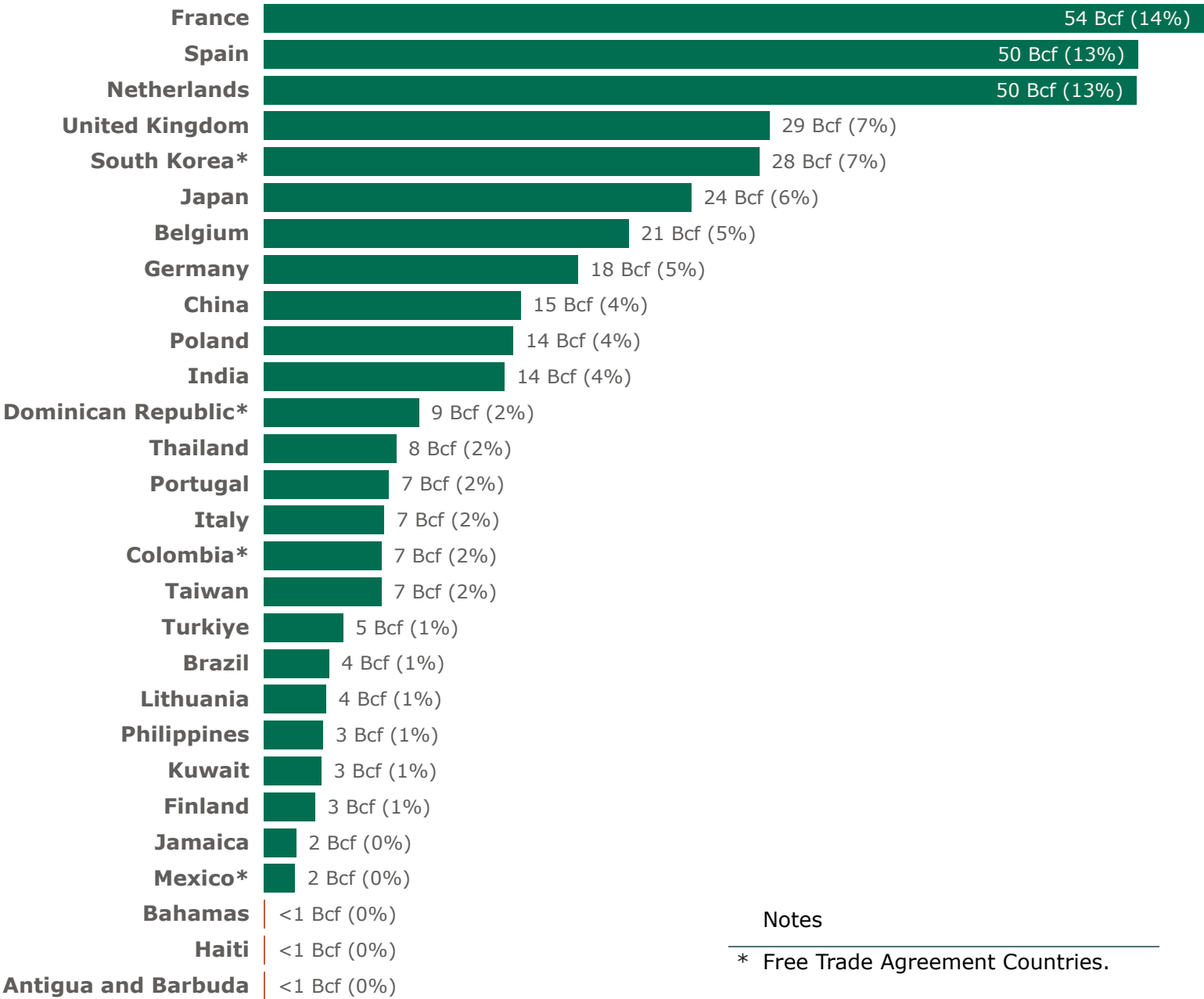
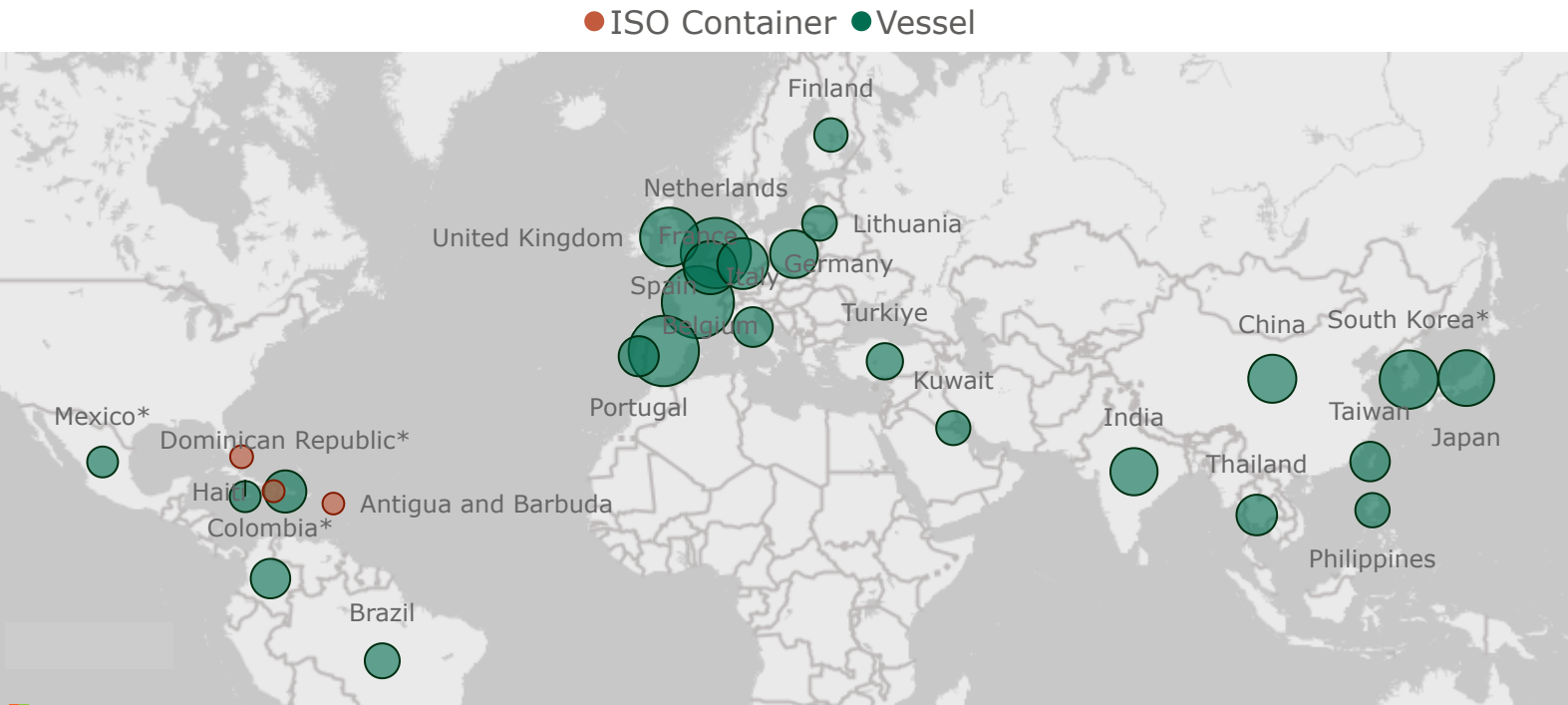
3b. Year-to-Date and Annual Summary: U.S.-Produced LNG Exports by Mode of Transport and Region of Destination

| Volume (Bcf) | Year-to-Date (Jan-Oct) | | | 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 | 2,307.1 | 2,180.7 | 6% | 2,662.4 | 1,218.2 | 119% | 714 | 15 | 100% | 6% |
| Asia | 967.3 | 807.3 | 20% | 956.2 | 1,723.0 | -45% | 297 | 12 | 75% | 5% |
| Latin America/ Caribbean | 258.1 | 232.0 | 11% | 243.3 | 617.1 | -61% | 117 | 9 | 45% | 11% |
| Total | 3,532.6 | 3,220.0 | 10% | 3,861.9 | 3,558.3 | 9% | 1,128 | 36 | 89% | 6% |
| LNG Exports by ISO Container | | | | | | | | | | |
| Latin America/ Caribbean | 1.0 | 1.7 | -43% | 2.1 | 1.1 | 83% | 276 | 4 | 100% | 0% |
| Europe | 0 | 0 | - | <0.1 | 0 | - | - | 0 | 0% | 0% |
| Total | 1.0 | 1.7 | -43% | 2.1 | 1.1 | 83% | 276 | 4 | 100% | 0% |
| Total LNG Exports | 3,533.6 | 3,221.8 | 10% | 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 (October 2023)



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 | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 | Oct 2023 | Oct 2023 |
| LNG Exports by Vessel | | | | | | | |
| France | 53.6 | 28.7 | 42.0 | 87% | 28% | 18 | 20% |
| Spain | 49.8 | 9.9 | 26.4 | 4X | 89% | 15 | 3% |
| Netherlands | 49.7 | 39.7 | 39.7 | 25% | 25% | 14 | 8% |
| United Kingdom | 28.8 | 7.5 | 46.0 | 286% | -37% | 11 | 0% |
| South Korea* | 28.2 | 24.1 | 38.8 | 17% | -27% | 8 | 12% |
| Japan | 24.4 | 36.7 | 10.7 | -34% | 128% | 7 | 0% |
| Belgium | 20.8 | 17.2 | 7.2 | 21% | 189% | 6 | 0% |
| Germany | 17.9 | 17.2 | 0 | 4% | - | 7 | 33% |
| China | 14.6 | 10.2 | 22.6 | 43% | -35% | 5 | 1% |
| Poland | 14.2 | 14.1 | 7.1 | <1% | 100% | 4 | 0% |
| India | 13.7 | 24.5 | 7.0 | -44% | 96% | 4 | 0% |
| Dominican Republic* | 8.8 | 6.7 | 3.5 | 31% | 154% | 4 | 22% |
| Thailand | 7.5 | 0 | 0 | - | - | 2 | 0% |
| Portugal | 7.1 | 6.4 | 7.0 | 11% | 2% | 2 | 0% |
| Italy | 6.8 | 22.1 | 0 | -69% | - | 2 | 0% |
| Colombia* | 6.7 | 10.3 | 3.7 | -35% | 81% | 2 | 0% |
| Taiwan | 6.7 | 13.2 | 9.0 | -49% | -26% | 2 | 0% |
| Turkiye | 4.5 | 3.5 | 10.3 | 28% | -56% | 2 | 0% |
| Brazil | 3.7 | 6.6 | 3.4 | -43% | 8% | 1 | 0% |
| Lithuania | 3.6 | 7.2 | 7.1 | -50% | -50% | 1 | 0% |
| Philippines | 3.4 | 0 | 0 | - | - | 1 | 100% |
| Kuwait | 3.3 | 6.6 | 3.3 | -51% | <1% | 1 | 0% |
| Finland | 2.9 | 7.1 | 0 | -59% | - | 1 | 0% |
| Jamaica | 1.8 | 4.0 | 0 | -55% | - | 3 | 0% |
| Mexico* | 1.8 | 0 | 0 | - | - | 1 | 0% |
| Argentina | 0 | 0 | 0 | - | - | - | 0% |
| Bangladesh | 0 | 0 | 0 | - | - | - | 0% |
| Chile* | 0 | 0 | 0 | - | - | - | 0% |
| Croatia | 0 | 10.5 | 2.9 | - | - | - | 0% |
| El Salvador* | 0 | 0 | 0 | - | - | - | 0% |
| Greece | 0 | 2.0 | 4.4 | - | - | - | 0% |
| Indonesia | 0 | 0.5 | 0.6 | - | - | - | 0% |
| Israel | 0 | 0 | 0 | - | - | - | 0% |
| Jordan* | 0 | 0 | 0 | - | - | - | 0% |
| Malta | 0 | 0 | 0 | - | - | - | 0% |
| Pakistan | 0 | 0 | 0 | - | - | - | 0% |
| Panama* | 0 | 3.2 | 0 | - | - | - | 0% |
| Singapore* | 0 | 6.6 | 6.6 | - | - | - | 0% |
| Total | 384.3 | 346.5 | 309.4 | 11% | 24% | 124 | 8% |
| LNG Exports by ISO Container | | | | | | | |
| Bahamas | <0.1 | <0.1 | <0.1 | -33% | -15% | 17 | 0% |
| Haiti | <0.1 | <0.1 | 0 | -17% | - | 4 | 0% |
| Antigua and Barbuda | <0.1 | <0.1 | <0.1 | -3% | 284% | 8 | 0% |
| Jamaica | <0.1 | <0.1 | 0.1 | -60% | -99% | 2 | 0% |
| Barbados | 0 | 0 | 0 | - | - | - | 0% |
| Germany | 0 | 0 | 0 | - | - | - | 0% |
| Nicaragua* | 0 | 0 | 0 | - | - | - | 0% |
| Total | <0.1 | <0.1 | 0.2 | -30% | -73% | 31 | 0% |
| Total LNG Exports | 384.4 | 346.6 | 309.6 | 11% | 24% | - | 8% |

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

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-Oct) | | | 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 | 503.7 | 317.8 | 59% | 378.3 | 174.3 | 117% | 145 | 4% |
| France | 389.8 | 482.4 | -19% | 571.4 | 170.8 | 235% | 122 | 10% |
| United Kingdom | 356.8 | 318.4 | 12% | 464.5 | 195.0 | 138% | 108 | 3% |
| Japan | 250.7 | 164.3 | 53% | 209.2 | 354.9 | -41% | 74 | 4% |
| Spain | 236.3 | 366.4 | -36% | 426.7 | 215.1 | 98% | 77 | 4% |
| South Korea* | 214.5 | 254.0 | -16% | 292.7 | 453.5 | -35% | 65 | 2% |
| Germany | 166.9 | 0 | - | 7.1 | 0 | - | 53 | 23% |
| Italy | 155.6 | 105.8 | 47% | 116.0 | 34.2 | 239% | 46 | 5% |
| India | 139.8 | 98.2 | 42% | 122.5 | 196.2 | -38% | 40 | 10% |
| China | 134.0 | 72.4 | 85% | 96.7 | 453.3 | -79% | 46 | 11% |
| Poland | 114.3 | 110.1 | 4% | 127.4 | 56.3 | 126% | 35 | 0% |
| Taiwan | 94.3 | 93.9 | <1% | 106.7 | 99.3 | 7% | 28 | 0% |
| Turkiye | 83.4 | 142.7 | -42% | 192.1 | 188.8 | 2% | 26 | 4% |
| Argentina | 76.9 | 66.9 | 15% | 66.9 | 83.4 | -20% | - | 15% |
| Belgium | 76.0 | 77.0 | -1% | 80.2 | 5.6 | 13X | 24 | 9% |
| Portugal | 67.0 | 55.8 | 20% | 69.6 | 65.9 | 6% | 21 | 0% |
| Dominican Republic* | 61.9 | 44.2 | 40% | 50.8 | 53.1 | -4% | 27 | 20% |
| Thailand | 48.1 | 26.0 | 85% | 26.0 | 14.5 | 79% | 13 | 0% |
| Lithuania | 45.5 | 70.2 | -35% | 77.2 | 30.9 | 150% | 14 | 0% |
| Croatia | 42.4 | 66.0 | -36% | 77.3 | 36.1 | 114% | - | 0% |
| Kuwait | 38.5 | 57.0 | -33% | 57.0 | 34.5 | 65% | 11 | 0% |
| Finland | 35.7 | 0 | - | 0.3 | 0 | - | 12 | 30% |
| Brazil | 31.3 | 72.0 | -56% | 72.0 | 307.7 | -77% | 13 | 10% |
| Chile* | 31.2 | 30.1 | 4% | 30.1 | 121.9 | -75% | - | 0% |
| Greece | 31.1 | 65.7 | -53% | 69.0 | 39.7 | 74% | - | 1% |
| Colombia* | 23.0 | 5.7 | 3X | 5.7 | 2.2 | 154% | 10 | 2% |
| Singapore* | 20.0 | 23.0 | -13% | 23.0 | 20.9 | 10% | - | 15% |
| Bangladesh | 17.6 | 12.7 | 39% | 12.7 | 37.7 | -66% | - | 20% |
| Panama* | 15.7 | 9.7 | 62% | 13.8 | 8.4 | 63% | - | 0% |
| Mexico* | 10.0 | 3.3 | 204% | 3.8 | 15.2 | -75% | 4 | 0% |
| Jamaica | 8.0 | 0.1 | 61X | 0.1 | 25.1 | -99% | 13 | 0% |
| Philippines | 3.4 | 0 | - | 0 | 0 | - | 1 | 100% |
| Jordan* | 3.3 | 0 | - | 0 | 0 | - | - | 0% |
| Indonesia | 3.2 | 2.8 | 12% | 6.6 | 3.3 | 101% | - | 17% |
| 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 | - | - | 0% |
| Pakistan | 0 | 3.1 | - | 3.1 | 45.8 | -93% | - | 0% |
| Total | 3,532.6 | 3,220.0 | 10% | 3,861.9 | 3,558.3 | 9% | 1,128 | 6% |
| LNG Exports by ISO Container | | | | | | | | |
| Bahamas | 0.4 | 0.4 | 5% | 0.5 | 0.5 | <1% | 154 | 0% |
| Jamaica | 0.4 | 1.1 | -62% | 1.4 | 0.2 | 5X | 47 | 0% |
| Haiti | <0.1 | 0.1 | -14% | 0.1 | 0.1 | -16% | 32 | 0% |
| Antigua and Barbuda | <0.1 | <0.1 | 95% | <0.1 | <0.1 | 184% | 43 | 0% |
| Barbados | 0 | <0.1 | - | <0.1 | 0.3 | -69% | - | 0% |
| Germany | 0 | 0 | - | <0.1 | 0 | - | - | 0% |
| Nicaragua* | 0 | 0 | - | 0 | <0.1 | - | - | 0% |
| Total | 1.0 | 1.7 | -43% | 2.1 | 1.1 | 83% | 276 | 0% |
| Total LNG Exports | 3,533.6 | 3,221.8 | 10% | 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

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

| Volume (Bcf) | 2022 | | 2023 | | | | | | | | | |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Region of Destination | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| LNG Exports by Vessel | | | | | | | | | | | | |
| Asia | 70.0 | 78.8 | 78.4 | 61.7 | 60.8 | 74.1 | 70.2 | 115.2 | 148.3 | 134.2 | 122.4 | 101.8 |
| Europe | 228.4 | 253.3 | 245.5 | 258.4 | 287.3 | 279.5 | 244.6 | 169.8 | 169.8 | 199.2 | 193.2 | 259.7 |
| Latin America/Caribbean | 3.8 | 7.4 | 12.9 | 5.8 | 18.5 | 22.0 | 51.8 | 42.7 | 31.1 | 19.6 | 30.8 | 22.8 |
| Total | 302.3 | 339.6 | 336.9 | 326.0 | 366.7 | 375.7 | 366.7 | 327.8 | 349.2 | 353.0 | 346.5 | 384.3 |
| LNG Exports by ISO Container | | | | | | | | | | | | |
| Europe | <0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Latin America/Caribbean | 0.2 | 0.2 | 0.2 | 0.2 | 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 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Total LNG Exports | 302.5 | 339.8 | 337.0 | 326.2 | 366.8 | 375.8 | 366.7 | 327.8 | 349.3 | 353.0 | 346.6 | 384.4 |

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

| Volume (Bcf) | 2022 | | 2023 | | | | | | | | | |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Point of Exit | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| LNG Exports by Vessel | | | | | | | | | | | | |
| Cameron (Calcasieu Pass), LA | 36.1 | 37.8 | 42.8 | 45.0 | 38.1 | 39.7 | 41.8 | 29.9 | 38.7 | 35.7 | 39.0 | 47.9 |
| Cameron, LA | 58.0 | 59.4 | 62.1 | 55.9 | 61.9 | 54.8 | 38.9 | 52.2 | 49.8 | 50.1 | 49.4 | 59.5 |
| Corpus Christi, TX | 57.0 | 64.1 | 62.6 | 64.1 | 67.5 | 55.6 | 57.7 | 62.4 | 58.6 | 62.4 | 59.4 | 63.4 |
| Cove Point, MD | 20.4 | 29.8 | 20.8 | 19.4 | 27.8 | 18.8 | 26.3 | 23.3 | 19.9 | 21.9 | 17.5 | 10.7 |
| Elba Island, GA | 10.6 | 9.4 | 9.4 | 10.6 | 11.4 | 7.3 | 7.4 | 13.0 | 9.3 | 2.9 | 11.9 | 6.5 |
| Freeport, TX | 0 | 0 | 0 | 11.6 | 29.0 | 62.5 | 68.4 | 63.3 | 59.5 | 61.4 | 54.0 | 64.0 |
| Sabine Pass, LA | 120.1 | 139.2 | 139.2 | 119.5 | 131.0 | 137.0 | 126.2 | 83.7 | 113.3 | 118.5 | 115.4 | 132.4 |
| Total | 302.3 | 339.6 | 336.9 | 326.0 | 366.7 | 375.7 | 366.7 | 327.8 | 349.2 | 353.0 | 346.5 | 384.3 |
| LNG Exports by ISO Container | | | | | | | | | | | | |
| Ft. Lauderdale, FL | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Jacksonville, FL | <0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miami, FL | 0 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Newark, NJ | <0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Total LNG Exports | 302.5 | 339.8 | 337.0 | 326.2 | 366.8 | 375.8 | 366.7 | 327.8 | 349.3 | 353.0 | 346.6 | 384.4 |

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 | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| LNG Exports by Vessel | | | | | | | | | | | | |
| Argentina | 0 | 0 | 0 | 2.3 | 2.3 | 11.5 | 26.9 | 22.7 | 11.2 | 0 | 0 | 0 |
| Bangladesh | 0 | 0 | 3.4 | 0 | 0 | 0 | 3.6 | 3.6 | 0 | 7.1 | 0 | 0 |
| Belgium | 0 | 3.3 | 3.6 | 7.3 | 8.1 | 4.8 | 3.8 | 7.0 | 0 | 3.4 | 17.2 | 20.8 |
| Brazil | 0 | 0 | 0 | 0 | 1.3 | 3.6 | 4.2 | 8.6 | 0 | 3.3 | 6.6 | 3.7 |
| Chile* | 0 | 0 | 3.3 | 0 | 7.3 | 0 | 6.4 | 4.0 | 7.1 | 3.1 | 0 | 0 |
| China | 17.3 | 7.0 | 17.9 | 2.6 | 5.1 | 3.4 | 6.6 | 20.3 | 39.0 | 14.3 | 10.2 | 14.6 |
| Colombia* | 0 | 0 | 0 | 0 | 0 | 0 | 2.8 | 0 | 0 | 3.1 | 10.3 | 6.7 |
| Croatia | 5.1 | 6.2 | 2.9 | 6.0 | 3.7 | 3.2 | 2.9 | 0 | 10.1 | 3.0 | 10.5 | 0 |
| Dominican Republic* | 0 | 6.6 | 3.6 | 3.5 | 0.9 | 6.9 | 7.9 | 7.4 | 6.1 | 10.1 | 6.7 | 8.8 |
| El Salvador* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <0.1 | 0 | 0 | 0 |
| Finland | 0 | 0.3 | 0 | 0 | 6.9 | 0 | 6.9 | 1.6 | 3.7 | 6.6 | 7.1 | 2.9 |
| France | 50.7 | 38.3 | 34.1 | 39.5 | 28.6 | 53.2 | 51.7 | 45.6 | 20.6 | 34.3 | 28.7 | 53.6 |
| Germany | 0 | 7.1 | 14.3 | 8.2 | 24.8 | 18.5 | 16.0 | 15.8 | 17.2 | 16.9 | 17.2 | 17.9 |
| Greece | 0.4 | 2.9 | 3.2 | 6.8 | 3.2 | 3.9 | 4.5 | 2.9 | 0 | 4.7 | 2.0 | 0 |
| India | 10.1 | 14.1 | 7.0 | 14.1 | 10.2 | 14.6 | 7.1 | 14.5 | 20.5 | 13.7 | 24.5 | 13.7 |
| Indonesia | 0.5 | 3.3 | 0.8 | 0 | 0 | 0 | 0 | 0 | 1.1 | 0.8 | 0.5 | 0 |
| Italy | 3.2 | 7.0 | 10.1 | 17.6 | 13.7 | 17.4 | 18.5 | 14.0 | 13.9 | 21.5 | 22.1 | 6.8 |
| Jamaica | 0 | 0 | 0 | 0 | 0.4 | 0 | 0.3 | <0.1 | 1.4 | <0.1 | 4.0 | 1.8 |
| Japan | 24.4 | 20.5 | 17.7 | 14.1 | 20.1 | 13.7 | 27.9 | 28.0 | 40.4 | 27.8 | 36.7 | 24.4 |
| Jordan* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 0 | 0 | 0 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 3.7 | 3.8 | 10.7 | 7.1 | 3.3 | 6.6 | 3.3 |
| Lithuania | 3.7 | 3.3 | 6.7 | 0 | 3.6 | 3.4 | 7.0 | 3.6 | 3.4 | 7.0 | 7.2 | 3.6 |
| Malta | 2.9 | 0 | 2.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico* | 0 | 0.5 | 3.2 | 0 | 3.1 | 0 | 0 | 0 | 2.0 | 0 | 0 | 1.8 |
| Netherlands | 20.6 | 39.9 | 36.5 | 39.3 | 61.0 | 60.2 | 60.7 | 45.9 | 53.3 | 57.4 | 39.7 | 49.7 |
| Panama* | 3.8 | 0.2 | 2.7 | 0 | 3.2 | 0 | 3.3 | 0 | 3.3 | 0 | 3.2 | 0 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 |
| Poland | 3.5 | 13.9 | 11.5 | 10.3 | 7.2 | 7.2 | 17.4 | 18.0 | 3.6 | 10.5 | 14.1 | 14.2 |
| Portugal | 3.7 | 10.0 | 6.8 | 6.1 | 6.1 | 4.2 | 10.4 | 3.2 | 9.8 | 6.7 | 6.4 | 7.1 |
| Singapore* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.0 | 0 | 3.4 | 6.6 | 0 |
| South Korea* | 14.1 | 24.7 | 24.5 | 22.7 | 10.8 | 24.7 | 11.0 | 17.0 | 16.5 | 34.9 | 24.1 | 28.2 |
| Spain | 26.4 | 33.8 | 14.0 | 32.1 | 38.1 | 13.7 | 12.3 | 12.3 | 34.1 | 20.0 | 9.9 | 49.8 |
| Taiwan | 3.6 | 9.2 | 3.5 | 6.6 | 10.3 | 9.8 | 10.3 | 6.8 | 13.1 | 14.1 | 13.2 | 6.7 |
| Thailand | 0 | 0 | 3.7 | 1.8 | 4.2 | 4.2 | 0 | 4.2 | 7.5 | 14.8 | 0 | 7.5 |
| Turkiye | 31.4 | 18.0 | 36.1 | 13.4 | 11.9 | 13.9 | 0 | 0 | 0 | 0 | 3.5 | 4.5 |
| United Kingdom | 76.7 | 69.3 | 63.0 | 71.7 | 70.5 | 75.8 | 32.4 | 0 | 0 | 7.1 | 7.5 | 28.8 |
| Total | 302.3 | 339.6 | 336.9 | 326.0 | 366.7 | 375.7 | 366.7 | 327.8 | 349.2 | 353.0 | 346.5 | 384.3 |
| 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 | <0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Germany | <0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Haiti | 0 | <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 | 0.1 | 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 | 0.2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 |
| Total LNG Exports | 302.5 | 339.8 | 337.0 | 326.2 | 366.8 | 375.8 | 366.7 | 327.8 | 349.3 | 353.0 | 346.6 | 384.4 |

Notes

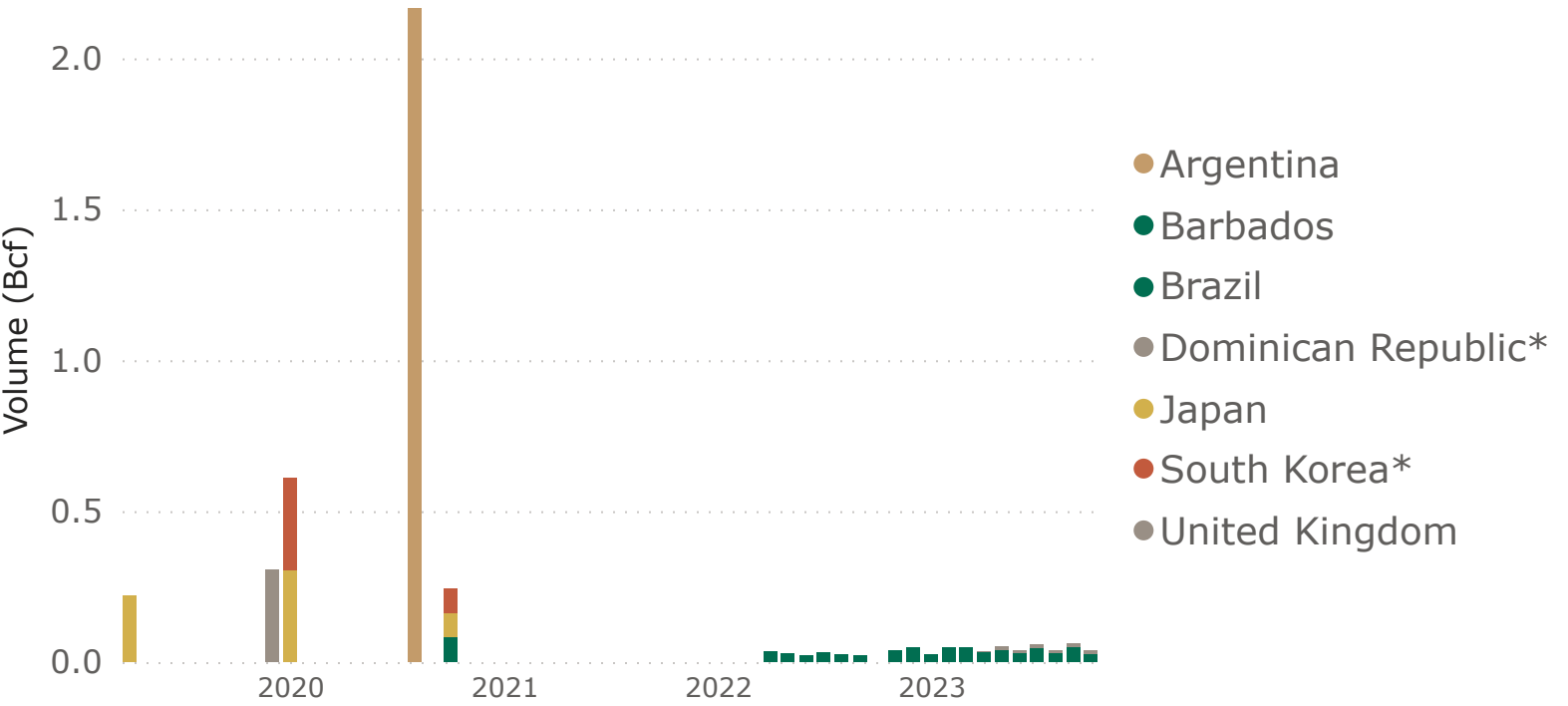
- Totals may not equal sum of components because of independent rounding.

* Free Trade Agreement Countries.

U.S. LNG Re-Exports

Summary

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 | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| 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 |
| San Juan, PR | | | | | | | | | | | | |
| Dominican Republic* | 0 | 0 | 0 | 0 | 0 | <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 |

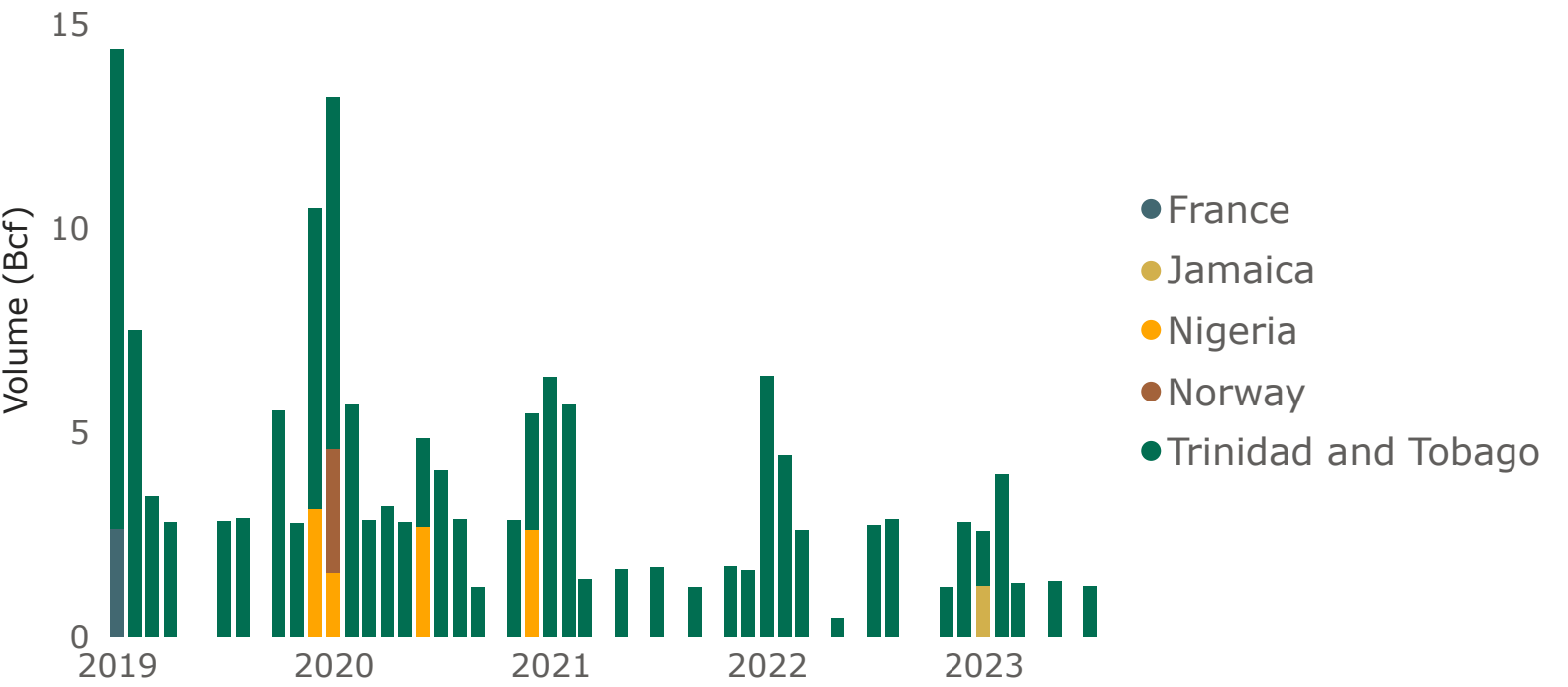
Notes

- 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



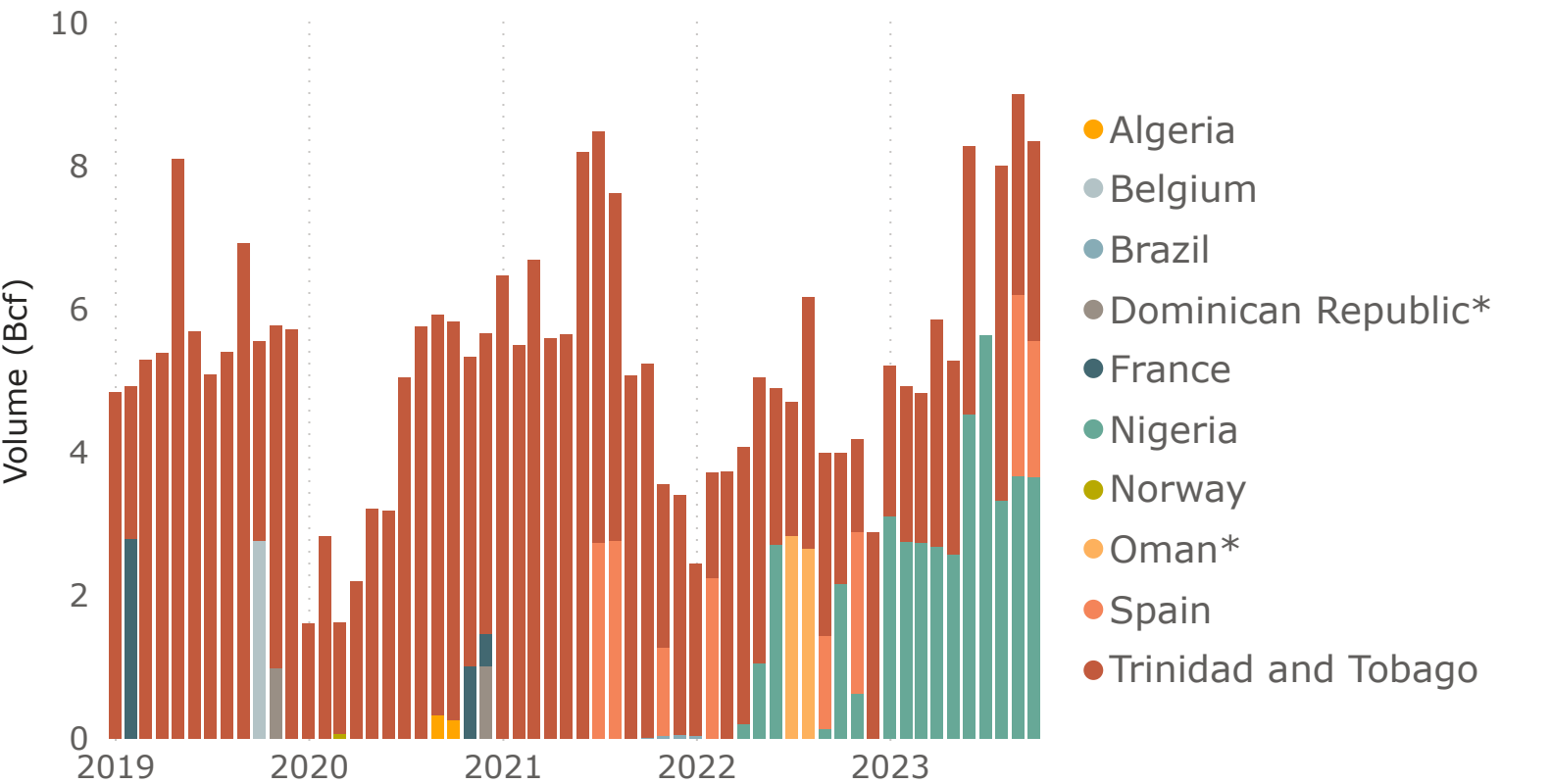
7: U.S. LNG Imports by Country of Origin and Point of Entry

| Volume (Bcf) | 2022 | | 2023 | | | | | | | | | |
|--------------------------------------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Country of Origin and Point of Entry | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| LNG Imports by Vessel | | | | | | | | | | | | |
| Jamaica | | | | | | | | | | | | |
| Everett, MA | 0 | 0 | 1.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | | | | | | | | | | | | |
| Everett, MA | 1.2 | 2.8 | 1.3 | 4.0 | 1.3 | 0 | 1.4 | 0 | 1.3 | 0 | 0 | 0 |
| Total LNG Imports | 1.2 | 2.8 | 2.6 | 4.0 | 1.3 | 0 | 1.4 | 0 | 1.3 | 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 | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| LNG Imports by Vessel | | | | | | | | | | | | |
| Nigeria | 0.6 | 0 | 3.1 | 2.8 | 2.7 | 2.7 | 2.6 | 4.5 | 5.6 | 3.3 | 3.7 | 3.7 |
| Trinidad and Tobago | 1.3 | 2.9 | 2.1 | 2.2 | 2.1 | 3.2 | 2.7 | 3.7 | 0 | 4.7 | 2.8 | 2.8 |
| Spain | 2.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 1.9 |
| Total LNG Imports | 4.2 | 2.9 | 5.2 | 4.9 | 4.8 | 5.9 | 5.3 | 8.3 | 5.6 | 8.0 | 9.0 | 8.4 |

Notes

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

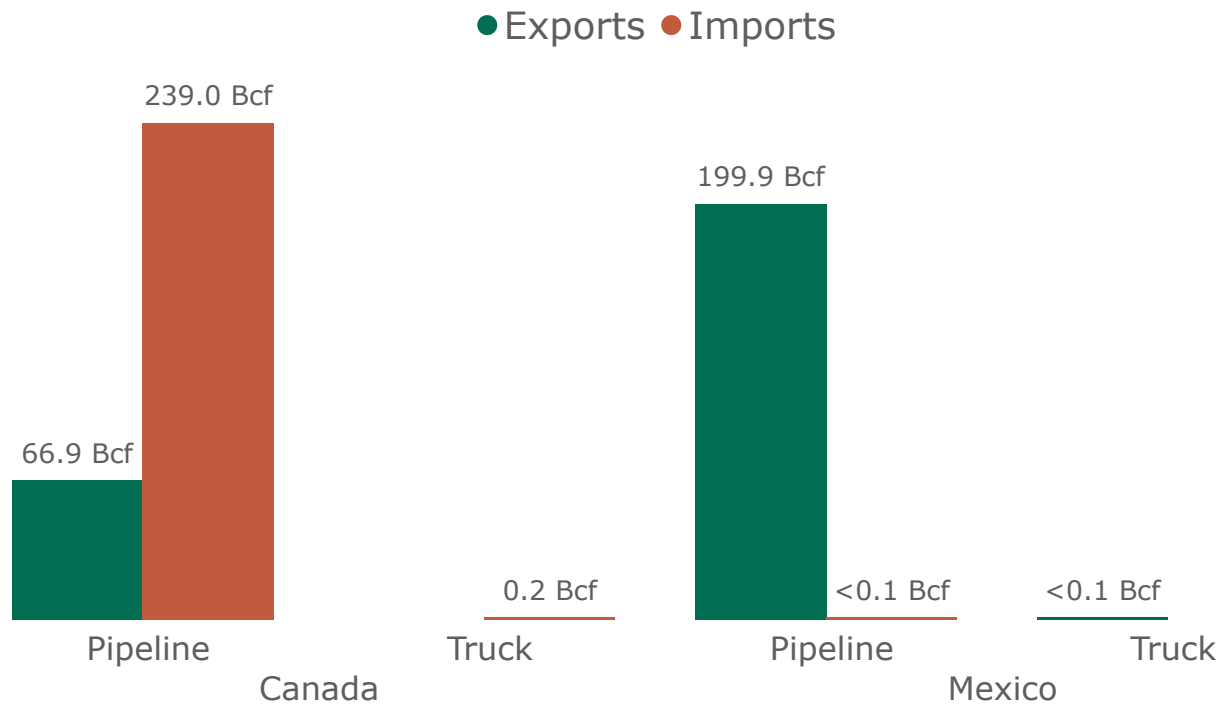
U.S. Natural Gas Imports & Exports by Pipeline and Truck Summary

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

Monthly Summary

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



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

| Volume (Bcf) | Monthly | | | Percentage Change | |
|--------------------------|----------------|----------------|----------------|-----------------------|-----------------------|
| Mode of Transport | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
| Mexico | | | | | |
| Exports | | | | | |
| Pipeline | 199.9 | 202.4 | 171.8 | -1% | 16% |
| Truck | <0.1 | <0.1 | 0.2 | -22% | -85% |
| Total | 200.0 | 202.4 | 171.9 | -1% | 16% |
| Imports | | | | | |
| Pipeline | <0.1 | <0.1 | <0.1 | 8% | -3% |
| Truck | 0 | 0 | 0 | - | - |
| Total | <0.1 | <0.1 | <0.1 | 8% | -3% |
| Net Exports | 199.9 | 202.4 | 171.9 | -1% | 16% |
| Canada | | | | | |
| Exports | | | | | |
| Pipeline | 66.9 | 76.6 | 72.7 | -13% | -8% |
| Truck | 0 | <0.1 | <0.1 | - | - |
| Total | 66.9 | 76.6 | 72.8 | -13% | -8% |
| Imports | | | | | |
| Pipeline | 239.0 | 237.4 | 247.9 | <1% | -4% |
| Truck | 0.2 | 0.2 | 0.2 | 23% | 1% |
| Total | 239.3 | 237.6 | 248.1 | <1% | -4% |
| Net Exports | -172.3 | -161.0 | -175.4 | 7% | -2% |
| Total Net Exports | 27.6 | 41.4 | -3.5 | -33% | -9% |

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(-).

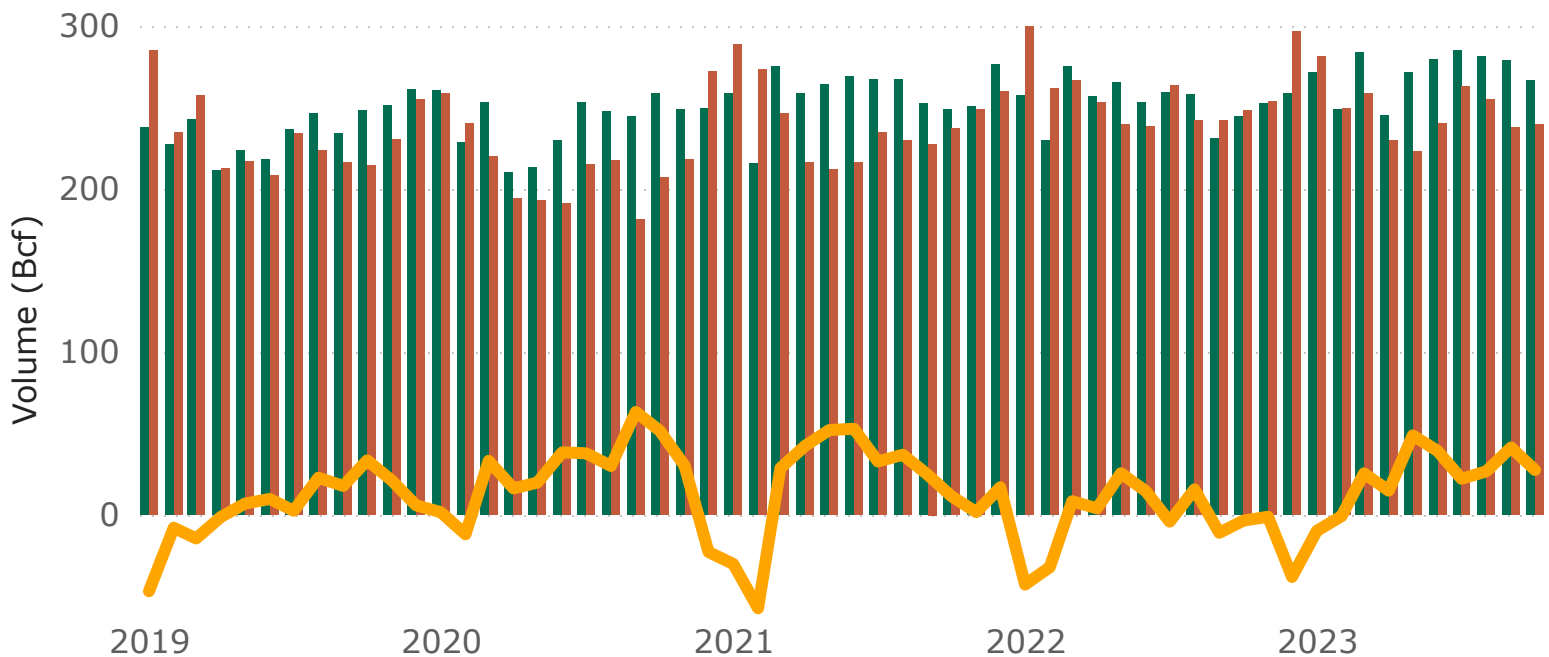
U.S. Natural Gas Imports & Exports by Pipeline & Truck

Year-to-Date and Annual Summary

17

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

● Exports ● Imports ● Net Exports



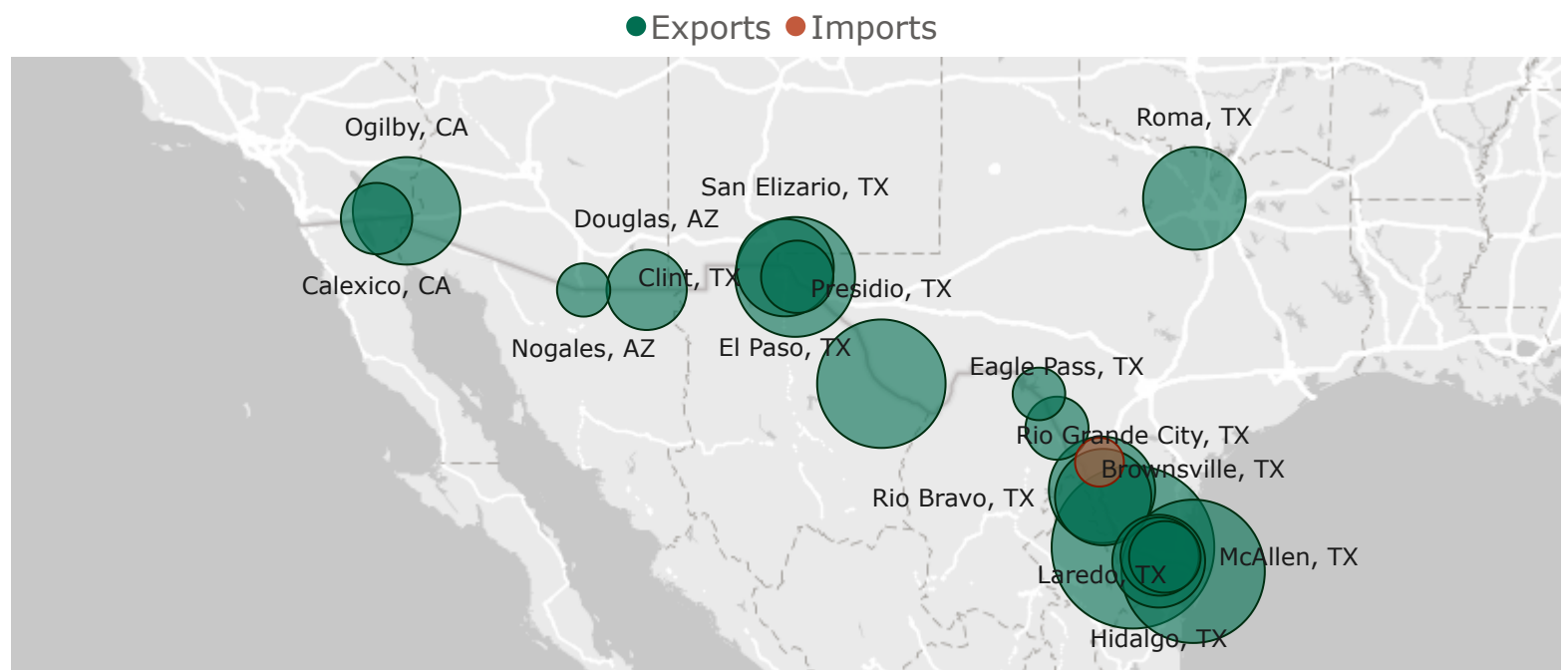
9b. Year-to-Date and Annual Summary: U.S. Natural Gas Imports & Exports by Pipeline & Truck

| Volume (Bcf) | Year-to-Date (Jan-Oct) | | | Annual | | |
|--------------------------|------------------------|-----------------|-------------|-----------------|-----------------|--------------|
| Mode of Transport | YTD 2023 | YTD 2022 | % Change | 2022 | 2021 | % Change |
| Mexico | | | | | | |
| Exports | | | | | | |
| Pipeline | 1,887.4 | 1,759.0 | 7% | 2,078.6 | 2,154.5 | -4% |
| Truck | 0.6 | 1.2 | -55% | 1.6 | 1.2 | 24% |
| Total | 1,888.0 | 1,760.2 | 7% | 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 | 1,887.0 | 1,759.3 | 7% | 2,079.1 | 2,154.0 | -3% |
| Canada | | | | | | |
| Exports | | | | | | |
| Pipeline | 824.8 | 770.7 | 7% | 962.2 | 948.9 | 1% |
| Truck | <0.1 | <0.1 | 1% | <0.1 | 0.3 | -77% |
| Total | 824.9 | 770.8 | 7% | 962.2 | 949.2 | 1% |
| Imports | | | | | | |
| Pipeline | 2,473.5 | 2,553.0 | -3% | 3,102.9 | 2,888.7 | 7% |
| Truck | 2.1 | 1.7 | 23% | 2.1 | 0.5 | 296% |
| Total | 2,475.6 | 2,554.7 | -3% | 3,105.0 | 2,889.3 | 7% |
| Net Exports | -1,650.8 | -1,783.9 | -7% | -2,142.8 | -1,940.1 | 10% |
| Total Net Exports | 236.3 | -24.6 | -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 (October 2023)



| | |
|---------------------|--------------|
| Rio Grande City, TX | 49 Bcf (24%) |
| Brownsville, TX | 34 Bcf (17%) |
| Presidio, TX | 24 Bcf (12%) |
| San Elizario, TX | 19 Bcf (9%) |
| Ogilby, CA | 13 Bcf (6%) |
| Laredo, TX | 12 Bcf (6%) |
| Roma, TX | 11 Bcf (5%) |
| El Paso, TX | 9 Bcf (4%) |
| Rio Bravo, TX | 9 Bcf (4%) |
| Hidalgo, TX | 7 Bcf (4%) |
| Douglas, AZ | 4 Bcf (2%) |
| McAllen, TX | 3 Bcf (2%) |
| Clint, TX | 2 Bcf (1%) |
| Alamo, TX | 2 Bcf (1%) |
| Calexico, CA | 2 Bcf (1%) |
| Eagle Pass, TX | <1 Bcf (0%) |
| Nogales, AZ | <1 Bcf (0%) |
| Del Rio, TX | <1 Bcf (0%) |
| Galvan Ranch, TX | <1 Bcf (0%) |

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) | Monthly | | | Percentage Change | |
|------------------------------|----------------|----------------|----------------|-----------------------|-----------------------|
| Point of Entry/Exit | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
| Exports to Mexico | | | | | |
| Rio Grande City, TX | 48.7 | 49.1 | 48.6 | <1% | <1% |
| Brownsville, TX | 33.6 | 31.7 | 29.6 | 6% | 13% |
| Presidio, TX | 23.9 | 23.7 | 18.7 | <1% | 28% |
| San Elizario, TX | 18.9 | 23.7 | 11.8 | -20% | 60% |
| Ogilby, CA | 12.9 | 10.7 | 10.7 | 21% | 21% |
| Laredo, TX | 12.4 | 12.9 | 7.0 | -4% | 79% |
| Roma, TX | 10.9 | 12.2 | 12.2 | -11% | -10% |
| El Paso, TX | 8.8 | 7.8 | 8.0 | 13% | 10% |
| Rio Bravo, TX | 8.5 | 8.0 | 6.6 | 7% | 29% |
| Hidalgo, TX | 7.3 | 6.9 | 5.0 | 6% | 46% |
| Douglas, AZ | 3.7 | 4.5 | 4.2 | -16% | -11% |
| McAllen, TX | 3.3 | 3.4 | 3.3 | -3% | <1% |
| Clint, TX | 2.1 | 2.3 | 1.9 | -8% | 11% |
| Alamo, TX | 2.0 | 2.1 | 1.1 | -4% | 74% |
| Calexico, CA | 1.9 | 2.0 | 2.0 | -2% | -3% |
| Eagle Pass, TX | 0.8 | 1.3 | 1.0 | -38% | -23% |
| Nogales, AZ | <0.1 | <0.1 | <0.1 | 16% | 105% |
| Del Rio, TX | <0.1 | <0.1 | <0.1 | 13% | 83% |
| Otay Mesa, CA | 0 | 0 | 0 | - | - |
| Sasabe, AZ | 0 | 0 | 0.2 | - | - |
| Total | 200.0 | 202.4 | 171.9 | -1% | 16% |
| Imports from Mexico | | | | | |
| Galvan Ranch, TX | <0.1 | <0.1 | <0.1 | 8% | -3% |
| Ogilby, CA | 0 | 0 | 0 | - | - |
| Otay Mesa, CA | 0 | 0 | <0.1 | - | - |
| Rio Grande City, TX | 0 | 0 | 0 | - | - |
| Total | <0.1 | <0.1 | <0.1 | 8% | -3% |
| Net Exports to Mexico | 199.9 | 202.4 | 171.9 | -1% | 16% |

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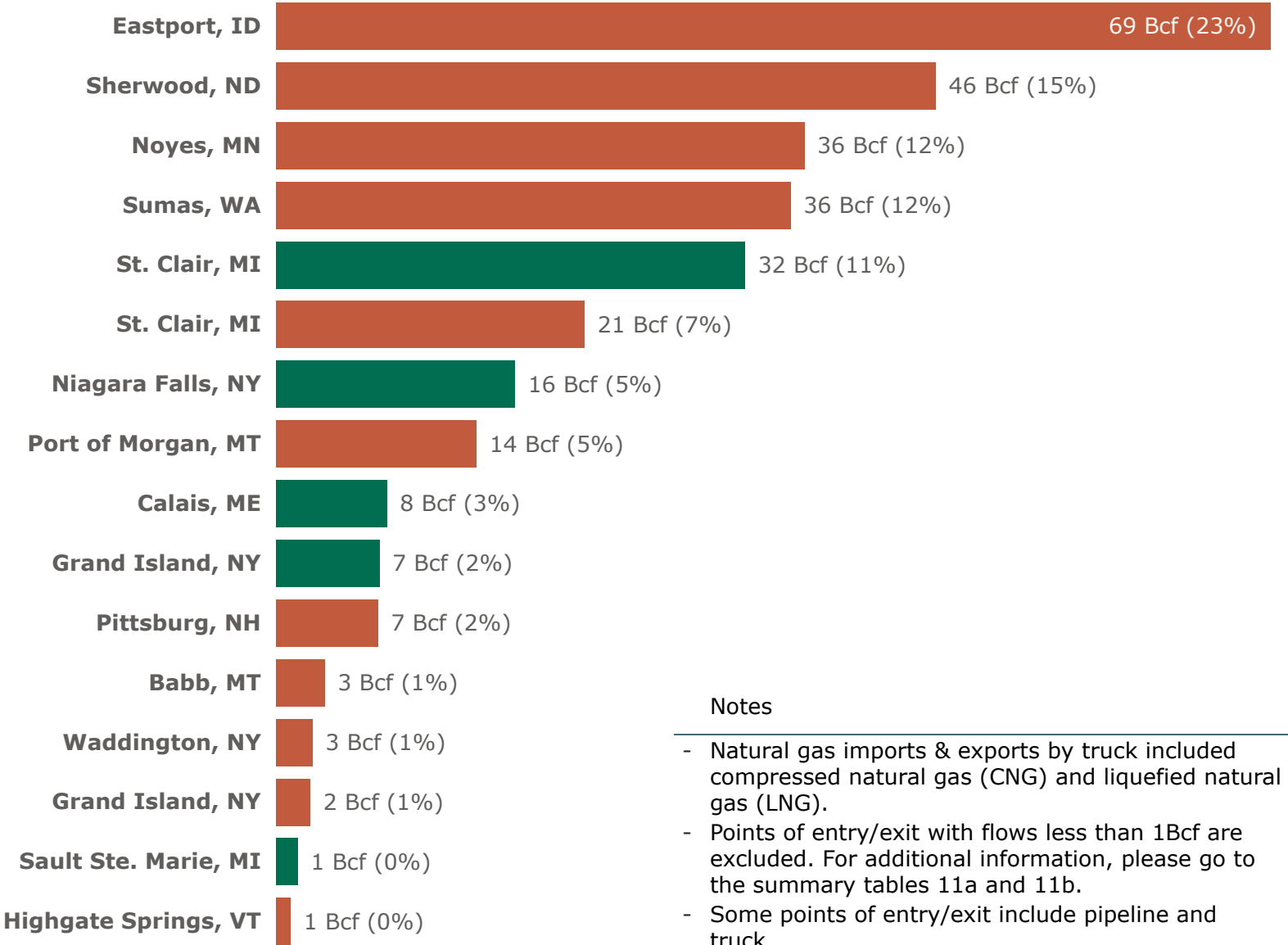
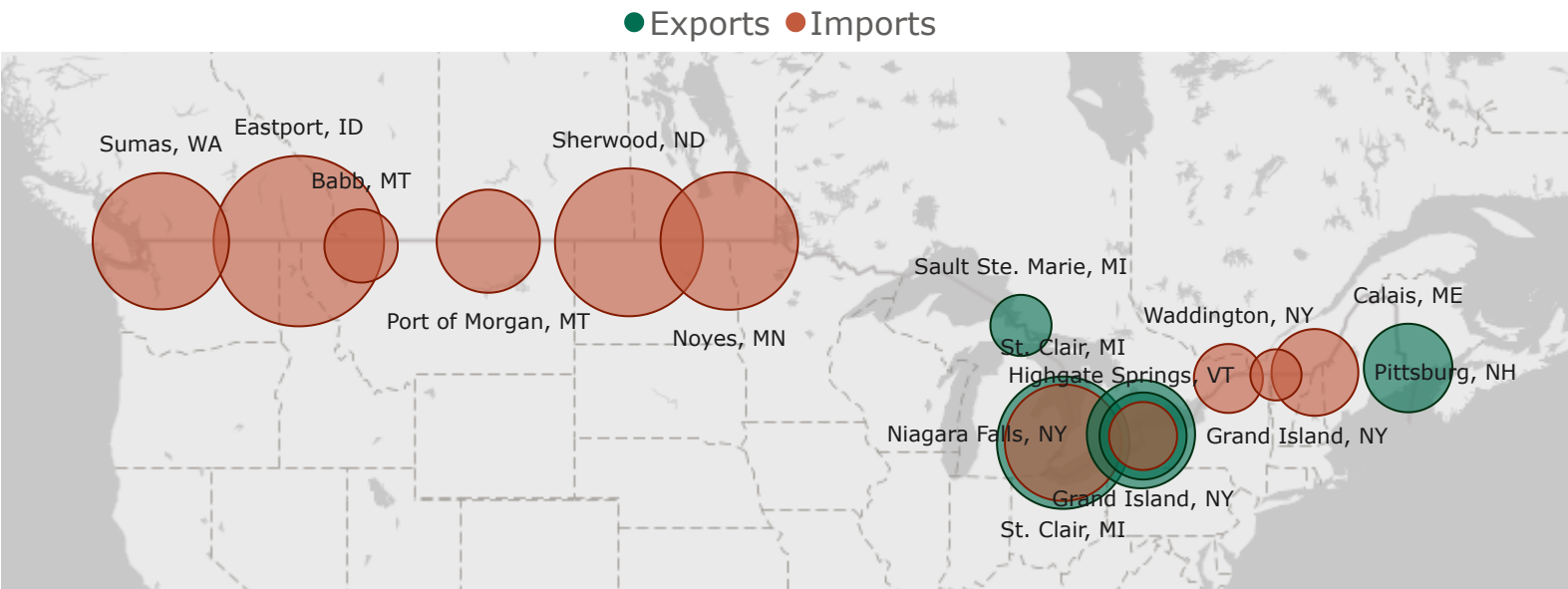
10b. Year-to-Date and Annual Summary: U.S. Natural Gas Imports & Exports by Pipeline & Truck with Mexico by Point of Entry/Exit

| Volume (Bcf) | Year-to-Date (Jan-Oct) | | | Annual | | |
|------------------------------|------------------------|----------------|-----------|----------------|----------------|-------------|
| Point of Entry/Exit | YTD 2023 | YTD 2022 | % Change | 2022 | 2021 | % Change |
| Exports to Mexico | | | | | | |
| Rio Grande City, TX | 484.3 | 451.3 | 7% | 547.4 | 541.5 | 1% |
| Brownsville, TX | 312.8 | 281.3 | 11% | 329.0 | 325.9 | <1% |
| Presidio, TX | 237.3 | 191.6 | 24% | 225.5 | 219.9 | 3% |
| San Elizario, TX | 184.6 | 142.8 | 29% | 167.7 | 100.7 | 67% |
| Laredo, TX | 110.1 | 97.7 | 13% | 114.9 | 103.1 | 11% |
| Roma, TX | 105.8 | 120.8 | -12% | 141.8 | 165.4 | -14% |
| Ogilby, CA | 100.1 | 103.6 | -3% | 121.9 | 127.5 | -4% |
| El Paso, TX | 76.0 | 79.6 | -5% | 94.0 | 97.9 | -4% |
| Rio Bravo, TX | 73.8 | 63.5 | 16% | 75.4 | 63.2 | 19% |
| Hidalgo, TX | 67.9 | 62.3 | 9% | 73.3 | 126.2 | -42% |
| Douglas, AZ | 39.0 | 43.2 | -10% | 49.7 | 54.3 | -9% |
| McAllen, TX | 30.3 | 41.7 | -27% | 46.5 | 68.1 | -32% |
| Clint, TX | 22.0 | 23.8 | -8% | 27.5 | 32.2 | -14% |
| Calexico, CA | 19.3 | 21.0 | -8% | 24.6 | 24.1 | 2% |
| Alamo, TX | 12.6 | 23.2 | -46% | 25.1 | 64.0 | -61% |
| Eagle Pass, TX | 10.0 | 9.8 | 2% | 11.7 | 9.7 | 21% |
| Sasabe, AZ | 0.8 | 2.4 | -65% | 3.0 | 30.8 | -90% |
| Nogales, AZ | 0.7 | 0.5 | 35% | 0.7 | 0.6 | 12% |
| Del Rio, TX | 0.5 | 0.4 | 41% | 0.5 | 0.4 | 11% |
| Otay Mesa, CA | 0 | 0 | - | 0 | 0.2 | - |
| Total | 1,888.0 | 1,760.2 | 7% | 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 | - | <0.1 | 0.7 | -88% |
| Rio Grande City, TX | 0 | 0 | - | 0 | <0.1 | - |
| Total | 0.9 | 0.9 | 6% | 1.1 | 1.7 | -38% |
| Net Exports to Mexico | 1,887.0 | 1,759.3 | 7% | 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 (October 2023)



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) | Monthly | | | Percentage Change | |
|------------------------------|---------------|---------------|---------------|-----------------------|-----------------------|
| Point of Entry/Exit | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
| Imports from Canada | | | | | |
| Eastport, ID | 68.6 | 77.1 | 72.3 | -11% | -5% |
| Sherwood, ND | 45.6 | 43.0 | 49.3 | 6% | -8% |
| Noyes, MN | 36.5 | 39.0 | 43.2 | -7% | -15% |
| Sumas, WA | 35.5 | 35.0 | 33.5 | 1% | 6% |
| St. Clair, MI | 21.3 | 10.7 | 9.1 | 100% | 134% |
| Port of Morgan, MT | 13.8 | 11.4 | 18.3 | 22% | -24% |
| Pittsburg, NH | 7.0 | 8.0 | 7.5 | -13% | -6% |
| Babb, MT | 3.4 | 2.2 | 2.4 | 54% | 39% |
| Waddington, NY | 2.5 | 5.4 | 7.0 | -54% | -64% |
| Grand Island, NY | 2.4 | 2.1 | 1.7 | 13% | 42% |
| Highgate Springs, VT | 1.0 | 0.8 | 1.0 | 34% | -1% |
| Calais, ME | 0.7 | 0.5 | 0.2 | 49% | 199% |
| Warroad, MN | 0.3 | 0.2 | 0.2 | 45% | 37% |
| Champlain, NY | 0.3 | 0.3 | 0.2 | -24% | 29% |
| Whitlash, MT | 0.2 | 0.2 | 0.2 | -2% | -9% |
| Massena, NY | <0.1 | <0.1 | 0.2 | 104% | -53% |
| Houlton, ME | <0.1 | <0.1 | <0.1 | 13% | -28% |
| Sweetgrass, MT | <0.1 | 0 | 0 | - | - |
| Blaine, WA | <0.1 | <0.1 | <0.1 | -52% | 1% |
| Alcan, Ak | <0.1 | <0.1 | <0.1 | -28% | 58% |
| Jackman, ME | <0.1 | 0 | <0.1 | - | 1% |
| Portal, ND | <0.1 | <0.1 | <0.1 | -31% | 15% |
| Niagara Falls, NY | <0.1 | <0.1 | <0.1 | -99% | -98% |
| Buffalo, NY | 0 | 0 | 0 | - | - |
| Detroit, MI | 0 | 1.7 | 1.7 | - | - |
| Marysville, MI | 0 | 0 | 0 | - | - |
| North Troy, VT | 0 | 0 | <0.1 | - | - |
| Sault Ste. Marie, MI | 0 | 0 | 0 | - | - |
| Total | 239.3 | 237.6 | 248.1 | <1% | -4% |
| Exports to Canada | | | | | |
| St. Clair, MI | 32.4 | 41.0 | 38.8 | -21% | -17% |
| Niagara Falls, NY | 16.5 | 14.9 | 15.7 | 11% | 5% |
| Calais, ME | 7.7 | 8.4 | 8.0 | -8% | -4% |
| Grand Island, NY | 7.1 | 8.0 | 6.2 | -11% | 15% |
| Sault Ste. Marie, MI | 1.5 | 1.3 | 1.2 | 18% | 23% |
| Waddington, NY | 1.0 | 1.1 | 0.4 | -16% | 117% |
| Sumas, WA | 0.5 | <0.1 | 0.5 | 7X | 7% |
| Noyes, MN | 0.2 | 0.2 | 0.2 | 32% | 36% |
| Portal, ND | <0.1 | <0.1 | <0.1 | 24% | -29% |
| Pittsburg, NH | <0.1 | <0.1 | 0 | -73% | - |
| Sweetgrass, MT | <0.1 | 0 | <0.1 | - | -69% |
| Buffalo, NY | 0 | 0 | 0 | - | - |
| Champlain, NY | 0 | 0 | 0 | - | - |
| Detroit, MI | 0 | 1.7 | 1.7 | - | - |
| Eastport, ID | 0 | 0 | 0 | - | - |
| Marysville, MI | 0 | 0 | 0 | - | - |
| Massena, NY | 0 | 0 | 0 | - | - |
| Total | 66.9 | 76.6 | 72.8 | -13% | -8% |
| Net Exports to Canada | -172.3 | -161.0 | -175.4 | 7% | -2% |

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-Oct) | | | Annual | | |
|-----------------------|------------------------|----------|----------|----------|----------|----------|
| Point of Entry/Exit | YTD 2023 | YTD 2022 | % Change | 2022 | 2021 | % Change |
| Imports from Canada | | | | | | |
| Eastport, ID | 759.1 | 735.8 | 3% | 897.5 | 853.3 | 5% |
| Sherwood, ND | 465.3 | 488.5 | -5% | 591.6 | 547.9 | 8% |
| Sumas, WA | 371.9 | 338.3 | 10% | 415.2 | 392.4 | 6% |
| Noyes, MN | 361.9 | 375.9 | -4% | 451.8 | 374.5 | 21% |
| Port of Morgan, MT | 136.5 | 220.4 | -38% | 261.5 | 258.4 | 1% |
| Waddington, NY | 98.9 | 142.4 | -30% | 180.3 | 166.7 | 8% |
| St. Clair, MI | 91.3 | 52.7 | 73% | 65.2 | 37.6 | 73% |
| Pittsburg, NH | 91.0 | 93.5 | -3% | 112.5 | 109.2 | 3% |
| Babb, MT | 32.6 | 28.7 | 14% | 34.4 | 31.1 | 10% |
| Grand Island, NY | 17.9 | 22.9 | -22% | 25.5 | 26.6 | -4% |
| Calais, ME | 13.1 | 18.0 | -27% | 21.0 | 46.5 | -55% |
| Detroit, MI | 12.6 | 15.0 | -16% | 18.4 | 18.5 | <1% |
| Highgate Springs, VT | 11.1 | 11.8 | -6% | 14.7 | 13.4 | 10% |
| Champlain, NY | 4.8 | 2.5 | 91% | 3.4 | 2.9 | 18% |
| Warroad, MN | 3.1 | 3.2 | -2% | 4.1 | 4.0 | 3% |
| Massena, NY | 2.0 | 2.4 | -16% | 3.2 | 3.1 | <1% |
| Whitlash, MT | 1.7 | 1.9 | -6% | 2.2 | 2.5 | -13% |
| Houlton, ME | 0.3 | 0.3 | -7% | 0.4 | 0.2 | 73% |
| Jackman, ME | 0.2 | 0.1 | 10% | 0.4 | <0.1 | 288% |
| Blaine, WA | 0.1 | <0.1 | 31% | <0.1 | 0.1 | -33% |
| Niagara Falls, NY | <0.1 | 0.3 | -65% | 1.8 | 0.2 | 10X |
| Alcan, Ak | <0.1 | <0.1 | 128% | <0.1 | 0 | - |
| Sweetgrass, MT | <0.1 | <0.1 | 15X | <0.1 | <0.1 | 91% |
| Portal, ND | <0.1 | <0.1 | -4% | <0.1 | <0.1 | 33% |
| Buffalo, NY | <0.1 | <0.1 | 17X | <0.1 | <0.1 | 267% |
| Marysville, MI | 0 | <0.1 | - | <0.1 | 0 | - |
| North Troy, VT | 0 | <0.1 | - | <0.1 | 0 | - |
| Sault Ste. Marie, MI | 0 | 0 | - | 0 | <0.1 | - |
| Total | 2,475.6 | 2,554.7 | -3% | 3,105.0 | 2,889.3 | 7% |
| Exports to Canada | | | | | | |
| St. Clair, MI | 451.1 | 444.6 | 1% | 558.8 | 509.9 | 10% |
| Niagara Falls, NY | 166.9 | 147.7 | 13% | 181.3 | 195.6 | -7% |
| Calais, ME | 88.2 | 81.6 | 8% | 97.5 | 118.6 | -18% |
| Grand Island, NY | 62.7 | 52.8 | 19% | 63.3 | 59.4 | 7% |
| Waddington, NY | 17.2 | 5.7 | 199% | 10.1 | 12.8 | -21% |
| Detroit, MI | 14.9 | 15.1 | -1% | 19.8 | 20.9 | -5% |
| Sault Ste. Marie, MI | 13.8 | 12.9 | 7% | 16.0 | 15.5 | 3% |
| Sumas, WA | 4.1 | 3.2 | 28% | 6.8 | 11.0 | -38% |
| Noyes, MN | 3.0 | 4.4 | -32% | 5.0 | 3.2 | 56% |
| Marysville, MI | 2.4 | 2.0 | 18% | 2.9 | 0.9 | 218% |
| Portal, ND | 0.4 | 0.6 | -25% | 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 | -55% | <0.1 | 0 | - |
| Eastport, ID | 0 | 0 | - | 0 | <0.1 | - |
| Massena, NY | 0 | 0 | - | 0 | 0.3 | - |
| Total | 824.9 | 770.8 | 7% | 962.2 | 949.2 | 1% |
| Net Exports to Canada | -1,650.8 | -1,783.9 | -7% | -2,142.8 | -1,940.1 | 10% |

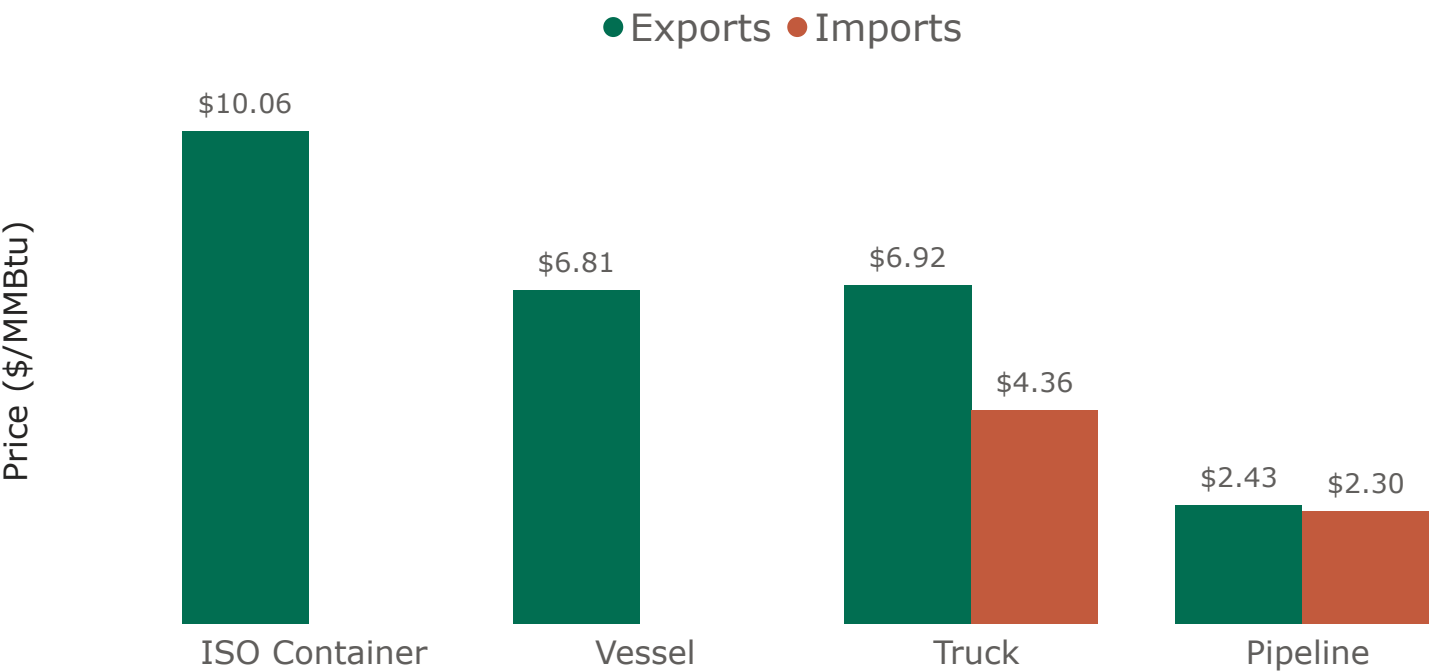
- Notes
- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
 - Totals may not equal sum of components because of independent rounding.
 - not applicable(-).
 - Some points of entry/exit include pipeline and truck.

U.S. Natural Gas Import & Export Prices

U.S. Natural Gas Import & Export Prices

Monthly Summary

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



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

| Activity | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
|----------------------|----------|----------|----------|-----------------------|-----------------------|
| Exports | | | | | |
| LNG by Vessel | \$6.81 | \$6.32 | \$13.78 | 7% | -51% |
| Pipeline | \$2.43 | \$2.42 | \$5.00 | <1% | -51% |
| Truck | \$6.92 | \$9.84 | \$13.33 | -42% | -48% |
| LNG by ISO Container | \$10.06 | \$10.06 | \$10.01 | <1% | <1% |
| Average Price | \$5.02 | \$4.58 | \$9.91 | 9% | -49% |
| Imports | | | | | |
| LNG by Vessel | - | - | - | - | - |
| Pipeline | \$2.30 | \$2.22 | \$4.58 | 3% | -50% |
| Truck | \$4.36 | \$4.75 | \$8.16 | -9% | -47% |
| LNG by ISO Container | - | - | - | - | - |
| Average Price | \$2.30 | \$2.23 | \$4.58 | 3% | -50% |

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(-).

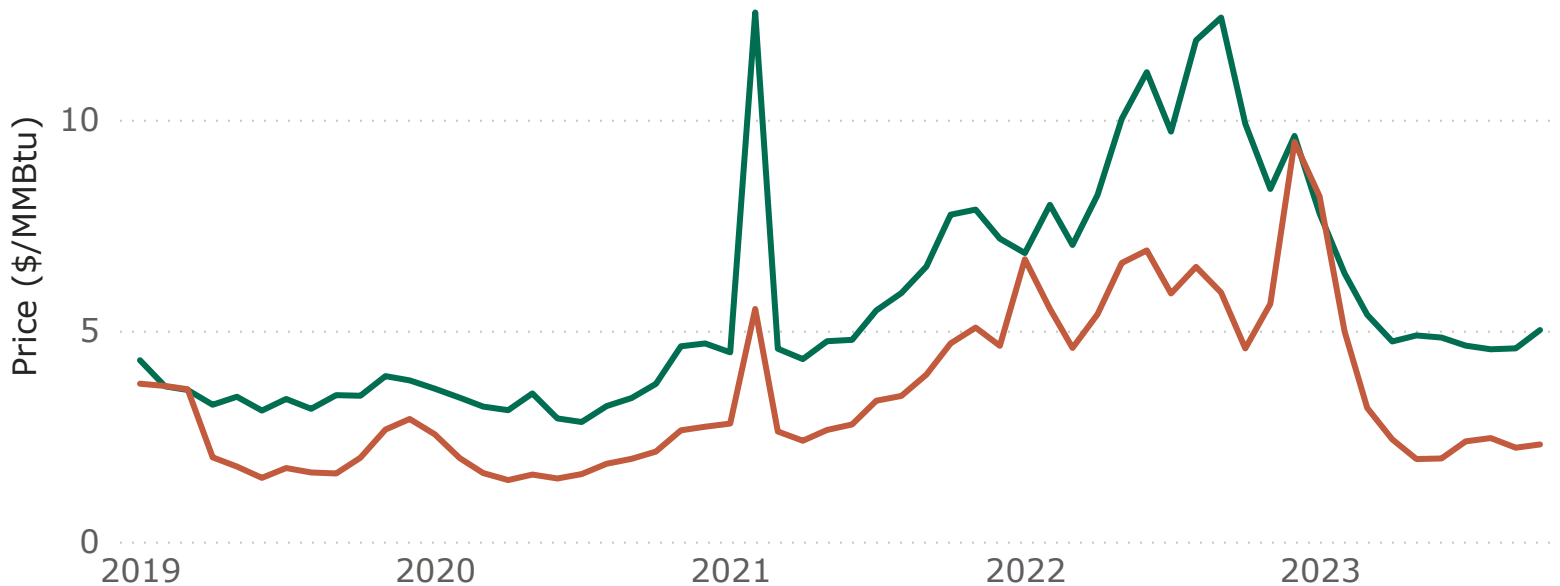
U.S. Natural Gas Import & Export Prices

Year-to-Date and Annual Summary

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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-Oct) | | | Annual | | |
|----------------------|------------------------|---------------|-------------|---------------|---------------|------------|
| Activity | YTD 2023 | YTD 2022 | % Change | 2022 | 2021 | % Change |
| Exports | | | | | | |
| LNG by Vessel | \$7.36 | \$11.79 | -38% | \$11.79 | \$7.34 | 61% |
| Pipeline | \$2.53 | \$6.44 | -61% | \$6.30 | \$4.92 | 28% |
| Truck | \$8.91 | \$13.23 | -33% | \$12.92 | \$10.15 | 27% |
| LNG by ISO Container | \$10.02 | \$10.01 | <1% | \$10.02 | \$10.01 | <1% |
| Average Price | \$5.26 | \$9.44 | -44% | \$9.37 | \$6.21 | 51% |
| Imports | | | | | | |
| LNG by Vessel | \$22.35 | \$26.51 | -16% | \$28.55 | \$11.65 | 145% |
| Pipeline | \$3.22 | \$5.70 | -43% | \$6.01 | \$3.64 | 65% |
| Truck | \$5.04 | \$8.50 | -41% | \$8.66 | \$6.30 | 38% |
| LNG by ISO Container | - | - | - | - | - | - |
| Average Price | \$3.30 | \$5.86 | -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

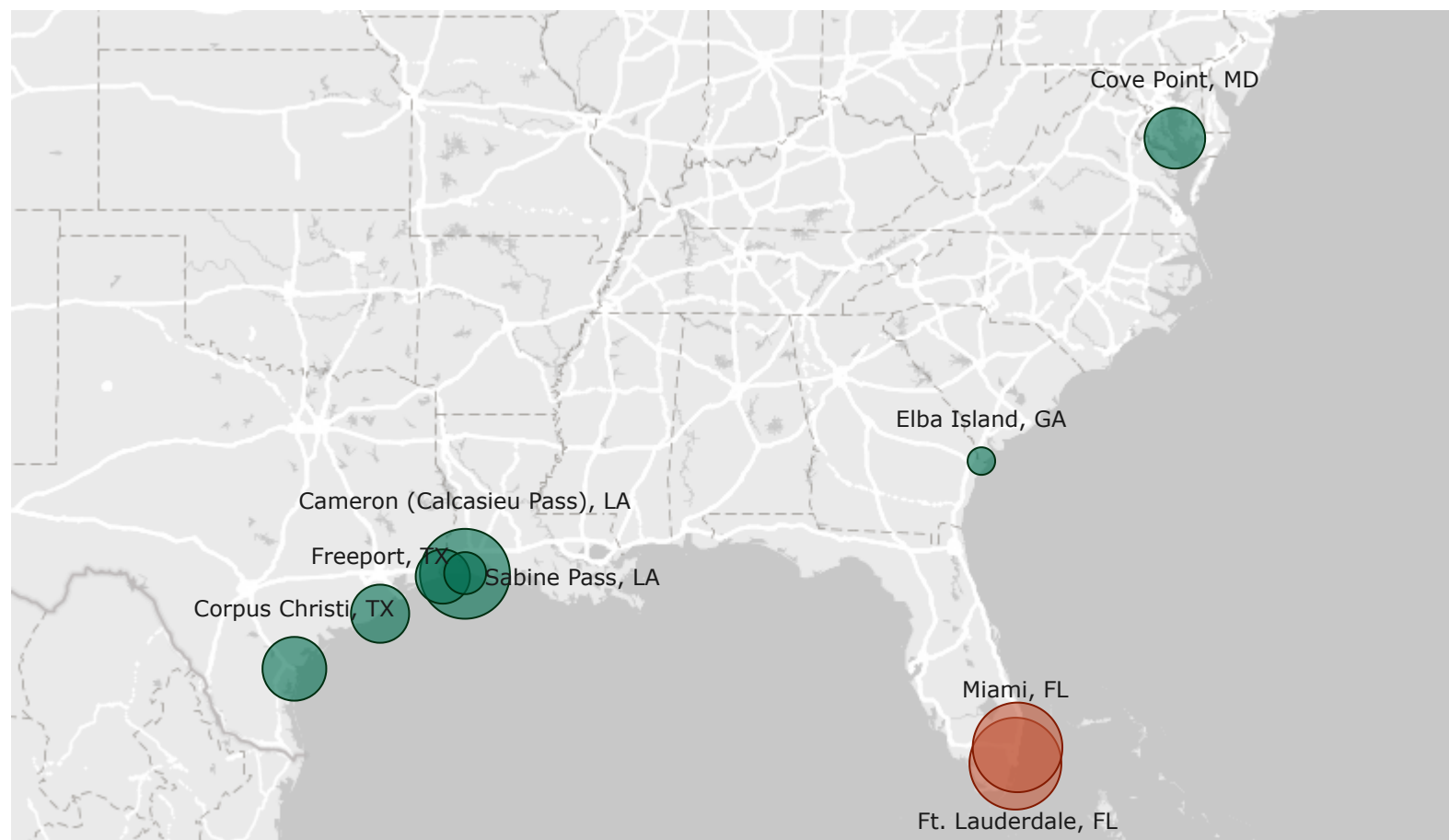
U.S.-Produced LNG Export Prices

Monthly Summary

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U.S.-Produced LNG Export Prices by Point of Exit (October 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) | Monthly | | | Percentage Change | |
|-------------------------------------|----------------|----------------|----------------|-----------------------|-----------------------|
| Point of Exit | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
| LNG Exports by ISO Container | | | | | |
| Miami, FL | \$10.39 | \$10.39 | \$10.39 | <1% | <1% |
| Ft. Lauderdale, FL | \$10.05 | \$10.04 | \$10.00 | <1% | <1% |
| Jacksonville, FL | - | - | - | - | - |
| Newark, NJ | - | - | - | - | - |
| Average Price | \$10.06 | \$10.06 | \$10.01 | <1% | <1% |
| LNG Exports by Vessel | | | | | |
| Cameron (Calcasieu Pass), LA | \$10.09 | \$9.01 | \$29.79 | 11% | -66% |
| Corpus Christi, TX | \$6.99 | \$6.47 | \$12.42 | 7% | -44% |
| Cove Point, MD | \$6.73 | \$6.81 | - | -1% | - |
| Freeport, TX | \$6.54 | \$6.16 | - | 6% | - |
| Sabine Pass, LA | \$6.27 | \$5.63 | \$10.85 | 10% | -42% |
| Cameron, LA | \$5.66 | \$5.74 | \$9.70 | -1% | -42% |
| Elba Island, GA | \$5.41 | \$5.80 | \$12.53 | -7% | -57% |
| Average Price | \$6.81 | \$6.32 | \$13.78 | 7% | -51% |

Notes

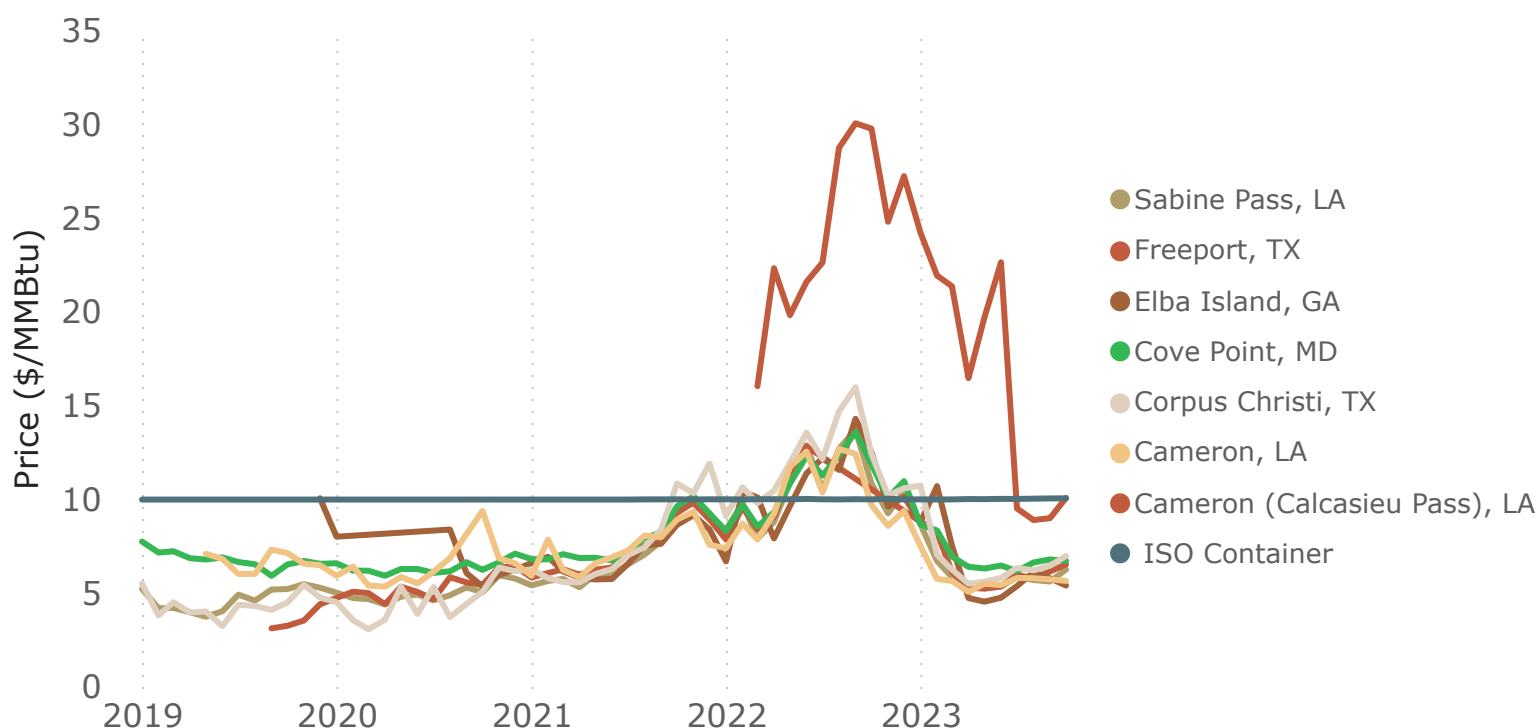
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).

U.S.-Produced LNG Export Prices

Year-to-Date and Annual Summary

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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-Oct) | | | 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 | <1% |
| Newark, NJ | - | - | - | \$17.30 | - | - |
| Average Price | \$10.02 | \$10.01 | <1% | \$10.02 | \$10.01 | <1% |
| LNG Exports by Vessel | | | | | | |
| Cameron (Calcasieu Pass), LA | \$16.35 | \$25.05 | -35% | \$25.29 | - | - |
| Cove Point, MD | \$6.94 | \$10.62 | -35% | \$10.62 | \$7.76 | 37% |
| Corpus Christi, TX | \$6.73 | \$12.07 | -44% | \$11.80 | \$7.76 | 52% |
| Elba Island, GA | \$6.52 | \$10.79 | -40% | \$10.62 | \$7.10 | 49% |
| Sabine Pass, LA | \$6.13 | \$10.58 | -42% | \$10.45 | \$7.02 | 49% |
| Freeport, TX | \$5.84 | \$9.44 | -38% | \$9.44 | \$7.30 | 29% |
| Cameron, LA | \$5.83 | \$10.14 | -43% | \$9.94 | \$7.40 | 34% |
| Average Price | \$7.36 | \$11.79 | -38% | \$11.79 | \$7.34 | 61% |
| LNG Export Average Price | \$7.36 | \$11.79 | -38% | \$11.78 | \$7.34 | 61% |

Notes

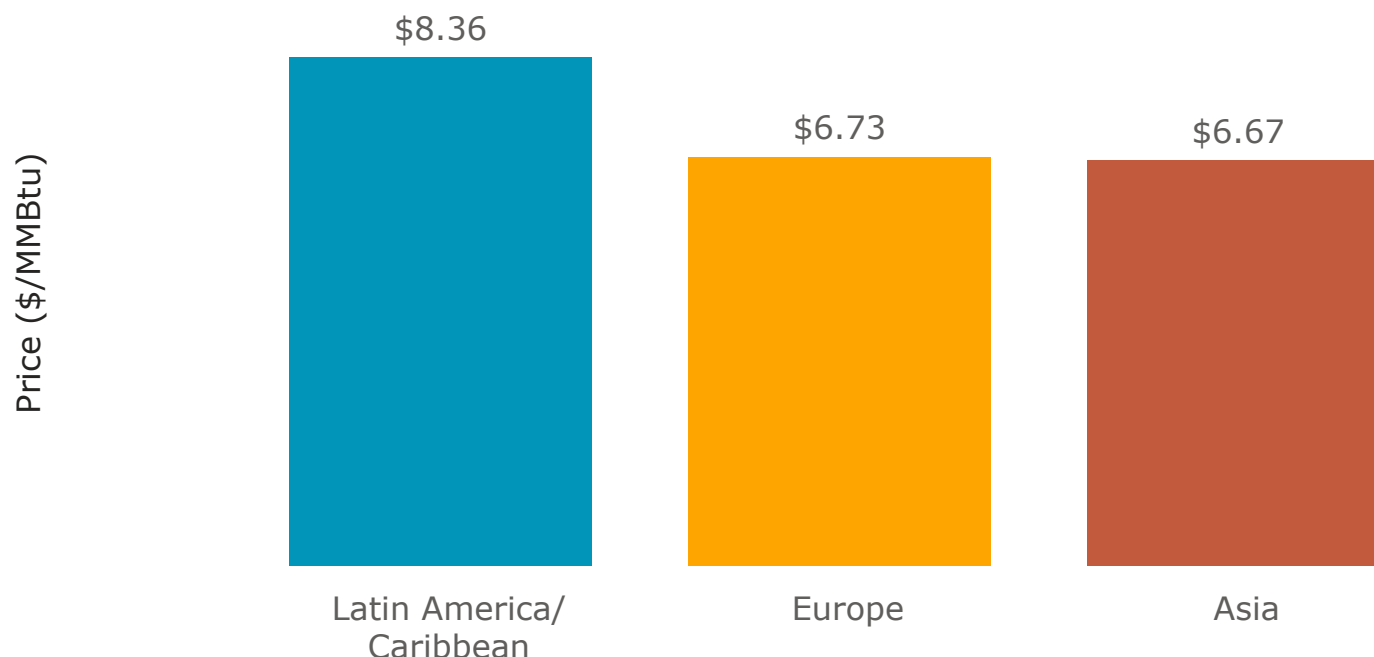
- LNG export and re-export prices are free on board (FOB) and include all costs of the LNG up to the point of export, including commodity costs and liquefaction fees.
- not applicable(-).

U.S.-Produced LNG Export Prices

Monthly Summary

28

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



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

| Price (\$/MMBtu) | Monthly | | | Percentage Change | |
|-------------------------------------|----------------|----------------|----------------|-----------------------|-----------------------|
| Region of Destination | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
| LNG Exports by ISO Container | | | | | |
| Latin America/ Caribbean | \$10.06 | \$10.06 | \$10.01 | <1% | <1% |
| Europe | - | - | - | - | - |
| Average Price | \$10.06 | \$10.06 | \$10.01 | <1% | <1% |
| LNG Exports by Vessel | | | | | |
| Latin America/ Caribbean | \$8.36 | \$6.42 | \$17.34 | 23% | -52% |
| Europe | \$6.73 | \$6.33 | \$13.81 | 6% | -51% |
| Asia | \$6.67 | \$6.28 | \$13.33 | 6% | -50% |
| Average Price | \$6.81 | \$6.32 | \$13.78 | 7% | -51% |
| LNG Export Average Price | \$6.81 | \$6.32 | \$13.78 | 7% | -51% |

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.

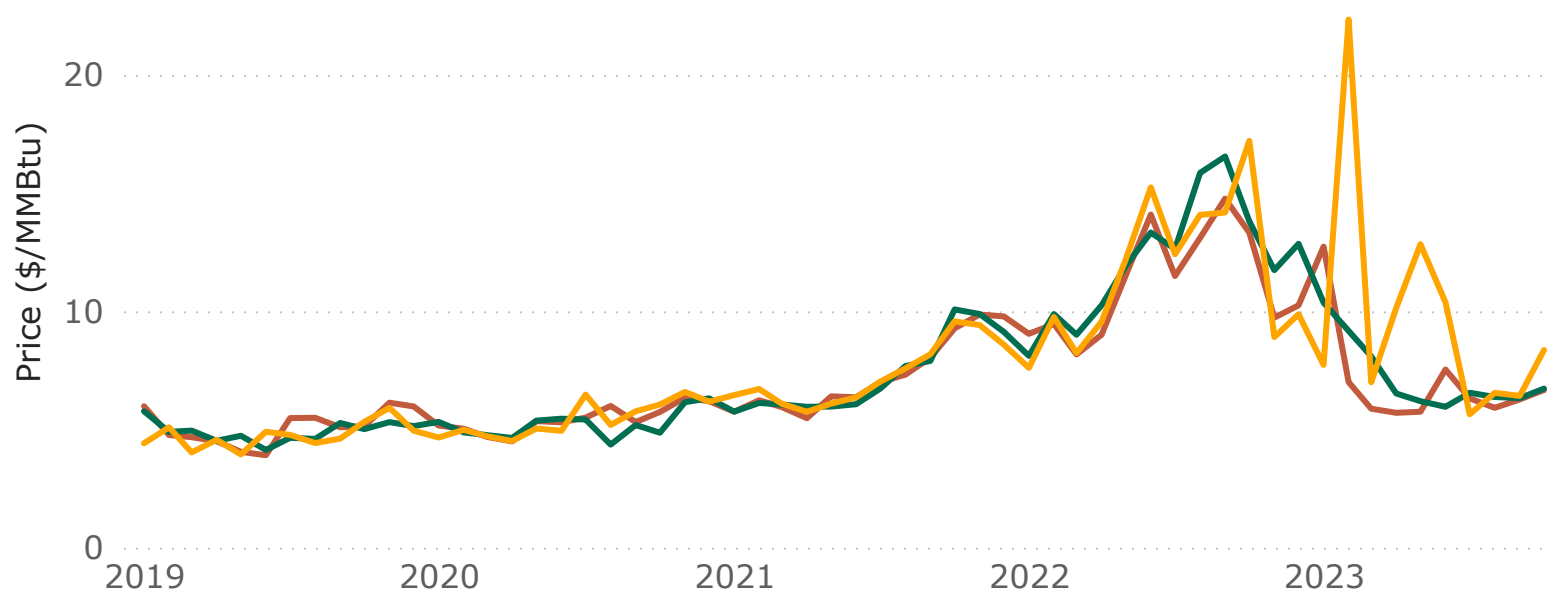
U.S.-Produced LNG Export Prices

Year-to-Date and Annual Summary

29

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

● Asia ● Europe ● Latin America/ Caribbean



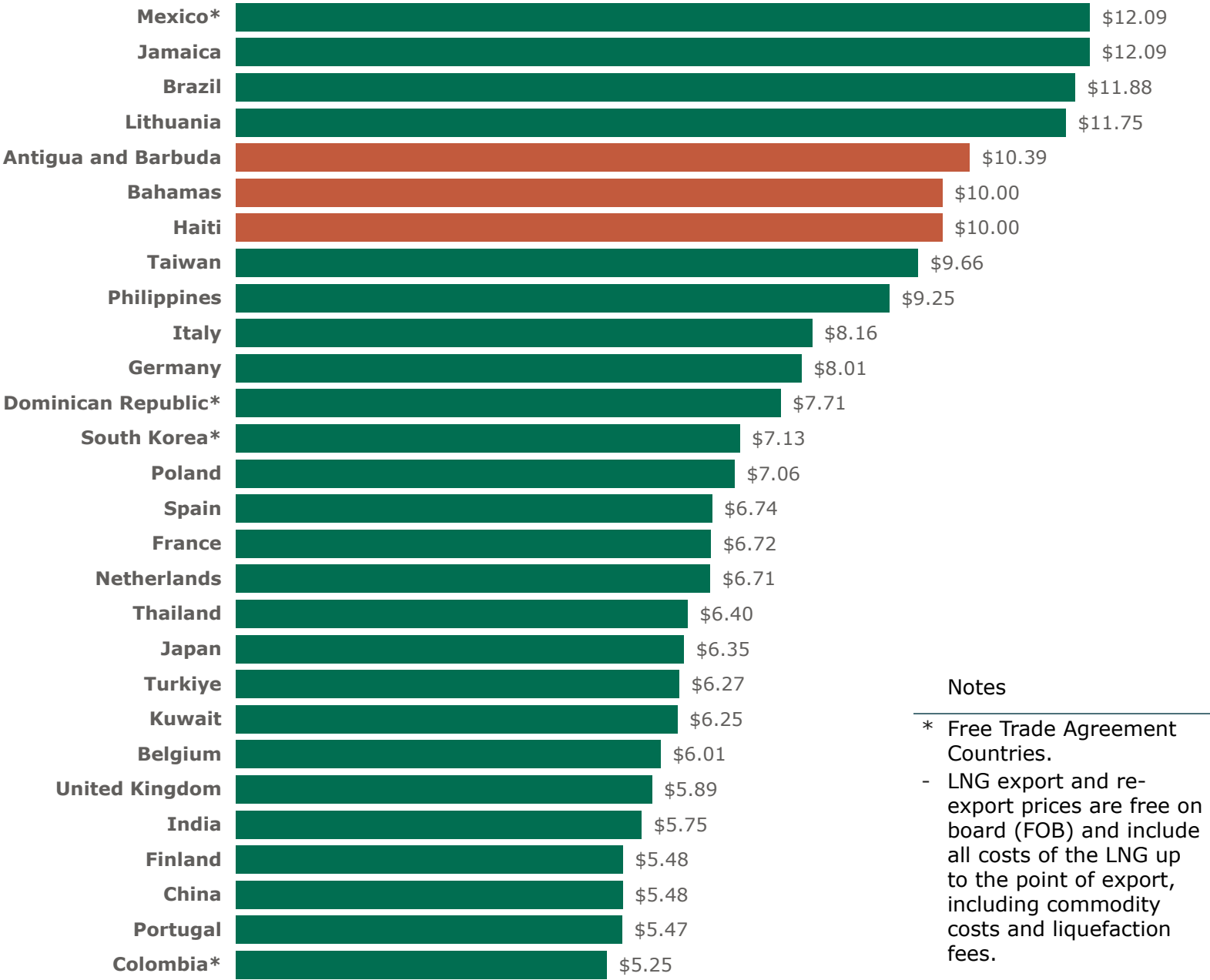
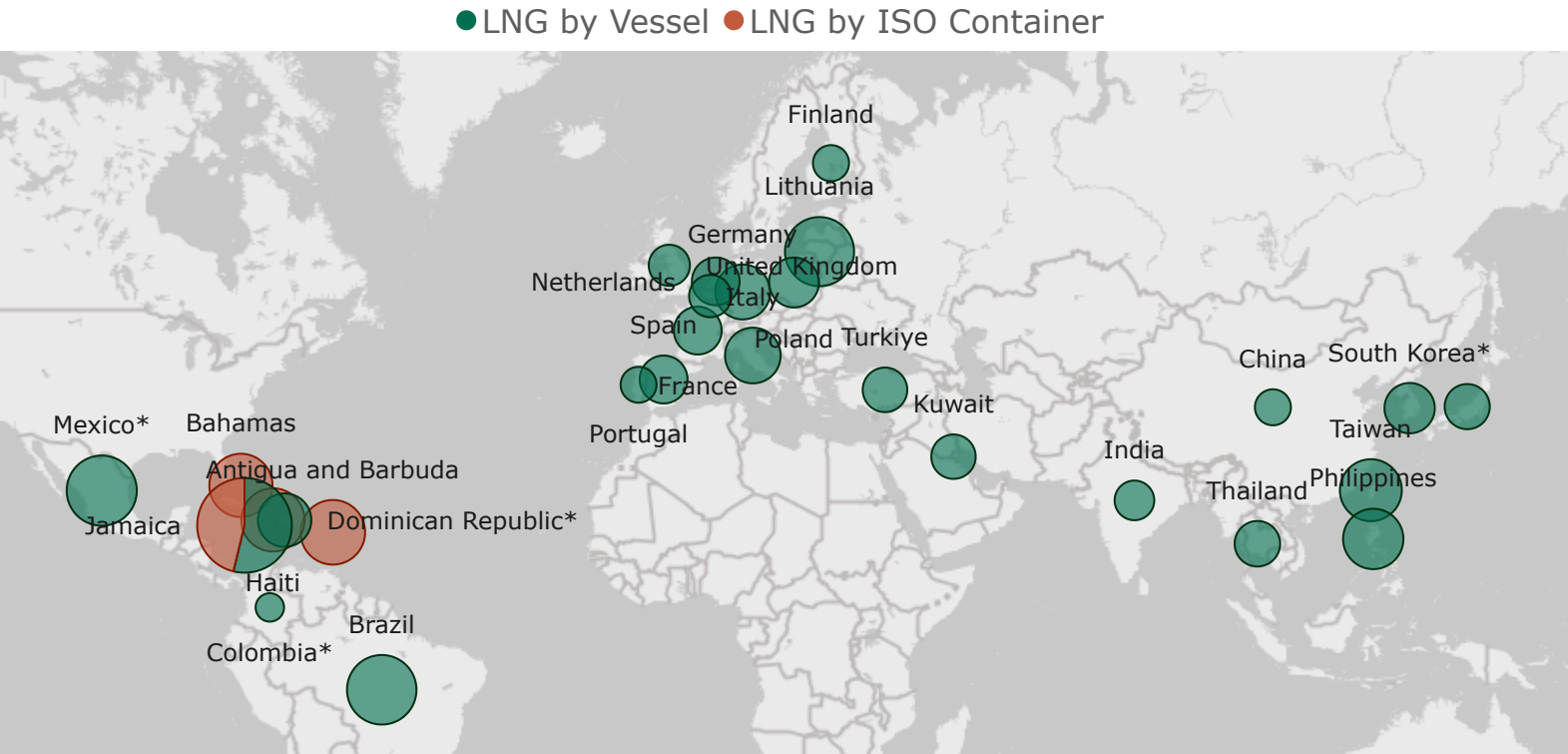
14b. Year-to-Date and Annual Summary: U.S.-Produced LNG Export Prices by Mode of Transport and Region of Destination

| Price (\$/MMBtu) | Year-to-Date (Jan-Oct) | | | Annual | | |
|-------------------------------------|------------------------|----------------|---------------|----------------|----------------|---------------|
| Region of Destination | YTD 2023 | YTD 2022 | % Change | 2022 | 2021 | % Change |
| LNG Exports by ISO Container | | | | | | |
| Latin America/ Caribbean | \$10.02 | \$10.01 | <1% | \$10.02 | \$10.01 | <1% |
| Europe | - | - | - | \$10.39 | - | - |
| Average Price | \$10.02 | \$10.01 | <1% | \$10.02 | \$10.01 | <1% |
| LNG Exports by Vessel | | | | | | |
| Latin America/ Caribbean | \$9.24 | \$11.98 | -23% | \$11.86 | \$7.20 | 65% |
| Europe | \$7.35 | \$11.85 | -38% | \$11.94 | \$7.61 | 57% |
| Asia | \$6.89 | \$11.59 | -41% | \$11.34 | \$7.19 | 58% |
| Average Price | \$7.36 | \$11.79 | -38% | \$11.79 | \$7.34 | 61% |
| LNG Export Average Price | \$7.36 | \$11.79 | -38% | \$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, Türkiye is grouped into Europe.

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



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

| Price (\$/MMBtu) | Monthly | | | Percentage Change | |
|------------------------------|----------|----------|----------|-----------------------|-----------------------|
| Country of Destination | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
| LNG Exports by ISO Container | | | | | |
| Antigua and Barbuda | \$10.39 | \$10.39 | \$10.39 | <1% | <1% |
| Jamaica | \$10.39 | \$10.39 | \$10.01 | <1% | 4% |
| Bahamas | \$10.00 | \$10.00 | \$10.00 | <1% | <1% |
| Haiti | \$10.00 | \$10.00 | - | <1% | - |
| Barbados | - | - | - | - | - |
| Germany | - | - | - | - | - |
| Nicaragua* | - | - | - | - | - |
| Average Price | \$10.06 | \$10.06 | \$10.01 | <1% | <1% |
| LNG Exports by Vessel | | | | | |
| Mexico* | \$12.09 | - | - | - | - |
| Jamaica | \$12.09 | \$5.06 | - | 58% | - |
| Brazil | \$11.88 | \$5.96 | \$9.23 | 50% | 29% |
| Lithuania | \$11.75 | \$5.77 | \$10.62 | 51% | 11% |
| Taiwan | \$9.66 | \$5.33 | \$10.90 | 45% | -11% |
| Philippines | \$9.25 | - | - | - | - |
| Italy | \$8.16 | \$6.27 | - | 23% | - |
| Germany | \$8.01 | \$8.15 | - | -2% | - |
| Dominican Republic* | \$7.71 | \$6.05 | \$32.26 | 21% | -76% |
| South Korea* | \$7.13 | \$6.35 | \$15.31 | 11% | -53% |
| Poland | \$7.06 | \$5.45 | \$23.82 | 23% | -70% |
| Spain | \$6.74 | \$5.90 | \$14.12 | 12% | -52% |
| France | \$6.72 | \$6.49 | \$14.08 | 3% | -52% |
| Netherlands | \$6.71 | \$6.56 | \$12.27 | 2% | -45% |
| Thailand | \$6.40 | - | - | - | - |
| Japan | \$6.35 | \$6.50 | \$10.48 | -2% | -39% |
| Turkiye | \$6.27 | \$6.03 | \$10.65 | 4% | -41% |
| Kuwait | \$6.25 | \$5.97 | \$10.78 | 5% | -42% |
| Belgium | \$6.01 | \$5.46 | \$21.89 | 9% | -73% |
| United Kingdom | \$5.89 | \$6.88 | \$12.27 | -17% | -52% |
| India | \$5.75 | \$6.02 | \$10.13 | -5% | -43% |
| Finland | \$5.48 | \$7.33 | - | -34% | - |
| China | \$5.48 | \$5.62 | \$10.67 | -3% | -49% |
| Portugal | \$5.47 | \$5.24 | \$10.15 | 4% | -46% |
| Colombia* | \$5.25 | \$7.43 | \$10.90 | -42% | -52% |
| Argentina | - | - | - | - | - |
| Bangladesh | - | - | - | - | - |
| Chile* | - | - | - | - | - |
| Croatia | - | \$5.50 | \$9.16 | - | - |
| El Salvador* | - | - | - | - | - |
| Greece | - | \$5.11 | \$31.68 | - | - |
| Indonesia | - | \$10.74 | \$10.93 | - | - |
| Israel | - | - | - | - | - |
| Jordan* | - | - | - | - | - |
| Malta | - | - | - | - | - |
| Pakistan | - | - | - | - | - |
| Panama* | - | \$6.53 | - | - | - |
| Singapore* | - | \$8.53 | \$23.62 | - | - |
| Average Price | \$6.81 | \$6.32 | \$13.78 | 7% | -51% |
| LNG Export Average Price | \$6.81 | \$6.32 | \$13.78 | 7% | -51% |

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-Oct) | | | 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 | \$10.02 | <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 | \$10.01 | <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* | \$10.32 | \$12.42 | -17% | \$12.08 | \$7.46 | 62% |
| Finland | \$9.83 | - | - | \$10.28 | - | - |
| Brazil | \$9.59 | \$11.20 | -14% | \$11.20 | \$7.60 | 47% |
| Philippines | \$9.25 | - | - | - | - | - |
| Germany | \$9.09 | - | - | \$19.27 | - | - |
| China | \$8.38 | \$10.94 | -23% | \$11.30 | \$7.21 | 57% |
| Turkiye | \$8.17 | \$10.55 | -23% | \$10.67 | \$8.64 | 23% |
| Malta | \$7.92 | \$8.89 | -11% | \$8.54 | \$6.83 | 25% |
| Mexico* | \$7.73 | \$13.31 | -42% | \$12.93 | \$5.85 | 121% |
| United Kingdom | \$7.53 | \$11.21 | -33% | \$11.61 | \$7.49 | 55% |
| France | \$7.38 | \$11.97 | -38% | \$12.01 | \$7.06 | 70% |
| Spain | \$7.36 | \$10.70 | -31% | \$11.03 | \$7.96 | 39% |
| Italy | \$7.27 | \$11.17 | -35% | \$11.03 | \$6.39 | 72% |
| Netherlands | \$7.26 | \$12.26 | -41% | \$12.03 | \$6.97 | 72% |
| South Korea* | \$7.16 | \$12.33 | -42% | \$11.98 | \$7.18 | 67% |
| Jamaica | \$6.82 | \$13.76 | -50% | \$13.76 | \$6.93 | 98% |
| Indonesia | \$6.65 | \$11.62 | -43% | \$10.98 | \$8.50 | 29% |
| Colombia* | \$6.63 | \$12.25 | -46% | \$12.25 | \$7.10 | 72% |
| Japan | \$6.59 | \$10.57 | -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% |
| Singapore* | \$6.46 | \$14.38 | -55% | \$14.38 | \$6.24 | 130% |
| Belgium | \$6.45 | \$12.25 | -47% | \$12.12 | \$5.45 | 122% |
| Lithuania | \$6.35 | \$10.85 | -41% | \$10.72 | \$6.72 | 59% |
| Taiwan | \$6.25 | \$10.61 | -41% | \$10.49 | \$7.38 | 42% |
| Poland | \$6.21 | \$18.31 | -66% | \$19.00 | \$7.79 | 144% |
| India | \$6.18 | \$10.74 | -42% | \$10.45 | \$6.99 | 50% |
| Jordan* | \$6.07 | - | - | - | - | - |
| Croatia | \$6.06 | \$11.59 | -48% | \$11.31 | \$7.61 | 49% |
| Thailand | \$5.77 | \$15.34 | -62% | \$15.34 | \$5.48 | 180% |
| Kuwait | \$5.68 | \$12.83 | -56% | \$12.83 | \$7.61 | 69% |
| El Salvador* | \$5.63 | - | - | - | - | - |
| Portugal | \$5.61 | \$10.04 | -44% | \$9.96 | \$8.25 | 21% |
| Greece | \$5.45 | \$14.15 | -62% | \$13.98 | \$7.33 | 91% |
| Israel | - | - | - | - | \$6.34 | - |
| Pakistan | - | \$9.17 | - | \$9.17 | \$6.96 | 32% |
| Average Price | \$7.36 | \$11.79 | -38% | \$11.79 | \$7.34 | 61% |
| LNG Export Average Price | \$7.36 | \$11.79 | -38% | \$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

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

| Price (\$/MMBtu) | 2022 | | 2023 | | | | | | | | | |
|------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Region of Destination | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| LNG Exports by Vessel | | | | | | | | | | | | |
| Asia | \$9.73 | \$10.26 | \$12.74 | \$7.01 | \$5.88 | \$5.71 | \$5.75 | \$7.54 | \$6.32 | \$5.92 | \$6.28 | \$6.67 |
| Europe | \$11.75 | \$12.86 | \$10.37 | \$9.17 | \$8.10 | \$6.53 | \$6.20 | \$5.96 | \$6.56 | \$6.38 | \$6.33 | \$6.73 |
| Latin America/ Caribbean | \$8.86 | \$9.87 | \$7.71 | \$22.78 | \$6.97 | \$10.15 | \$12.85 | \$10.38 | \$5.64 | \$6.54 | \$6.42 | \$8.36 |
| Average Price | \$11.24 | \$12.19 | \$10.82 | \$9.01 | \$7.67 | \$6.58 | \$7.05 | \$7.09 | \$6.37 | \$6.21 | \$6.32 | \$6.81 |
| LNG Exports by ISO Container | | | | | | | | | | | | |
| Europe | \$10.39 | - | - | - | - | - | - | - | - | - | - | - |
| Latin America/ Caribbean | \$10.04 | \$10.01 | \$10.01 | \$10.01 | \$10.01 | \$10.03 | \$10.02 | \$10.04 | \$10.03 | \$10.05 | \$10.06 | \$10.06 |
| Average Price | \$10.05 | \$10.01 | \$10.01 | \$10.01 | \$10.01 | \$10.03 | \$10.02 | \$10.04 | \$10.03 | \$10.05 | \$10.06 | \$10.06 |
| Average Price | \$11.24 | \$12.19 | \$10.82 | \$9.01 | \$7.67 | \$6.58 | \$7.05 | \$7.09 | \$6.37 | \$6.21 | \$6.32 | \$6.81 |

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

| Price (\$/MMBtu) | 2022 | | 2023 | | | | | | | | | |
|------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Point of Exit | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| LNG Exports by Vessel | | | | | | | | | | | | |
| Cameron (Calcasieu Pass), LA | \$24.82 | \$27.26 | \$24.23 | \$21.95 | \$21.38 | \$16.48 | \$19.72 | \$22.66 | \$9.53 | \$8.91 | \$9.01 | \$10.09 |
| Cameron, LA | \$8.59 | \$9.39 | \$7.51 | \$5.77 | \$5.66 | \$5.08 | \$5.51 | \$5.44 | \$5.82 | \$5.80 | \$5.74 | \$5.66 |
| Corpus Christi, TX | \$10.22 | \$10.60 | \$10.74 | \$7.05 | \$6.26 | \$5.51 | \$5.62 | \$5.82 | \$6.35 | \$6.22 | \$6.47 | \$6.99 |
| 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 | \$6.73 |
| Elba Island, GA | \$9.62 | \$10.14 | \$8.81 | \$10.72 | \$7.54 | \$4.75 | \$4.55 | \$4.76 | \$5.38 | \$6.13 | \$5.80 | \$5.41 |
| Freeport, TX | - | - | - | \$8.23 | \$6.14 | \$5.30 | \$5.25 | \$5.38 | \$5.99 | \$5.79 | \$6.16 | \$6.54 |
| Sabine Pass, LA | \$9.27 | \$10.43 | \$8.67 | \$6.72 | \$5.86 | \$5.45 | \$5.26 | \$5.35 | \$5.87 | \$5.71 | \$5.63 | \$6.27 |
| Average Price | \$11.24 | \$12.19 | \$10.82 | \$9.01 | \$7.67 | \$6.58 | \$7.05 | \$7.09 | \$6.37 | \$6.21 | \$6.32 | \$6.81 |
| LNG Exports by ISO Container | | | | | | | | | | | | |
| Ft. Lauderdale, FL | \$10.00 | \$10.00 | \$10.01 | \$10.00 | \$10.00 | \$10.01 | \$10.02 | \$10.02 | \$10.02 | \$10.03 | \$10.04 | \$10.05 |
| 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 | \$10.05 | \$10.01 | \$10.01 | \$10.01 | \$10.01 | \$10.03 | \$10.02 | \$10.04 | \$10.03 | \$10.05 | \$10.06 | \$10.06 |
| Average Price | \$11.24 | \$12.19 | \$10.82 | \$9.01 | \$7.67 | \$6.58 | \$7.05 | \$7.09 | \$6.37 | \$6.21 | \$6.32 | \$6.81 |

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

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

| Price (\$/MMBtu) | 2022 | | 2023 | | | | | | | | | |
|-------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Region of Destination | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| 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 | - | \$9.00 | \$8.05 | \$7.86 | \$12.16 | \$5.14 | \$4.40 | \$5.00 | - | \$2.87 | \$5.46 | \$6.01 |
| Brazil | - | - | - | - | \$4.69 | \$4.97 | \$18.72 | \$10.99 | - | \$5.94 | \$5.96 | \$11.88 |
| Chile* | - | - | \$6.70 | - | \$9.05 | - | \$5.49 | \$5.20 | \$5.73 | \$5.87 | - | - |
| China | \$12.85 | \$11.25 | \$12.81 | \$6.64 | \$5.75 | \$10.70 | \$5.65 | \$15.68 | \$6.19 | \$5.36 | \$5.62 | \$5.48 |
| Colombia* | - | - | - | - | - | - | \$5.75 | - | - | \$7.70 | \$7.43 | \$5.25 |
| Croatia | \$9.30 | \$10.01 | \$7.99 | \$7.32 | \$5.42 | \$5.92 | \$5.26 | - | \$5.75 | \$6.46 | \$5.50 | - |
| Dominican Republic* | - | \$9.86 | \$7.12 | \$26.83 | \$5.89 | \$15.22 | \$22.50 | \$2.78 | \$5.96 | \$6.58 | \$6.05 | \$7.71 |
| El Salvador* | - | - | - | - | - | - | - | - | \$5.63 | - | - | - |
| Finland | - | \$10.28 | - | - | \$17.10 | - | \$13.58 | \$5.15 | \$6.81 | \$5.81 | \$7.33 | \$5.48 |
| France | \$12.87 | \$11.45 | \$11.98 | \$11.27 | \$5.94 | \$8.32 | \$5.63 | \$5.38 | \$6.15 | \$5.82 | \$6.49 | \$6.72 |
| Germany | - | \$19.27 | \$12.95 | \$15.72 | \$11.61 | \$5.50 | \$9.48 | \$5.58 | \$9.83 | \$7.08 | \$8.15 | \$8.01 |
| Greece | \$8.96 | \$10.72 | \$8.36 | \$4.90 | \$5.84 | \$4.37 | \$4.81 | \$5.15 | - | \$5.83 | \$5.11 | - |
| India | \$8.57 | \$9.82 | \$7.90 | \$8.54 | \$5.73 | \$4.97 | \$5.39 | \$5.61 | \$6.21 | \$6.19 | \$6.02 | \$5.75 |
| Indonesia | \$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 | \$8.16 |
| Jamaica | - | - | - | - | \$5.47 | - | \$5.81 | \$5.45 | \$5.63 | \$6.57 | \$5.06 | \$12.09 |
| Japan | \$8.65 | \$10.38 | \$8.05 | \$7.00 | \$6.66 | \$5.44 | \$6.33 | \$6.45 | \$6.66 | \$6.61 | \$6.50 | \$6.35 |
| Jordan* | - | - | - | - | - | - | - | - | \$6.07 | - | - | - |
| Kuwait | - | - | - | - | - | \$4.93 | \$4.40 | \$5.23 | \$6.92 | \$5.70 | \$5.97 | \$6.25 |
| Lithuania | \$8.74 | \$10.28 | \$8.21 | - | \$4.79 | \$4.66 | \$5.59 | \$5.11 | \$6.07 | \$5.55 | \$5.77 | \$11.75 |
| Malta | \$8.26 | - | \$7.92 | - | - | - | - | - | - | - | - | - |
| Mexico* | - | \$10.60 | \$8.34 | - | \$5.89 | - | - | - | \$5.63 | - | - | \$12.09 |
| Netherlands | \$11.91 | \$10.26 | \$11.50 | \$11.78 | \$7.84 | \$5.80 | \$6.08 | \$5.83 | \$6.46 | \$6.48 | \$6.56 | \$6.71 |
| Panama* | \$8.86 | \$8.56 | \$8.97 | - | \$6.41 | - | \$5.43 | - | \$5.63 | - | \$6.53 | - |
| Philippines | - | - | - | - | - | - | - | - | - | - | - | \$9.25 |
| Poland | \$28.06 | \$22.25 | \$8.43 | \$5.91 | \$8.30 | \$4.80 | \$4.82 | \$5.79 | \$4.48 | \$7.10 | \$5.45 | \$7.06 |
| Portugal | \$9.52 | \$9.70 | \$7.69 | \$5.85 | \$5.09 | \$5.00 | \$5.48 | \$4.51 | \$5.73 | \$5.15 | \$5.24 | \$5.47 |
| Singapore* | - | - | - | - | - | - | - | \$5.26 | - | \$5.94 | \$8.53 | - |
| South Korea* | \$8.84 | \$10.19 | \$15.48 | \$6.42 | \$5.89 | \$5.44 | \$5.47 | \$5.58 | \$5.90 | \$5.91 | \$6.35 | \$7.13 |
| Spain | \$9.10 | \$16.14 | \$9.09 | \$7.58 | \$7.60 | \$7.88 | \$7.58 | \$10.74 | \$6.26 | \$6.89 | \$5.90 | \$6.74 |
| Taiwan | \$8.96 | \$9.91 | \$7.39 | \$6.02 | \$5.09 | \$7.12 | \$6.28 | \$6.77 | \$5.32 | \$6.17 | \$5.33 | \$9.66 |
| Thailand | - | - | \$8.42 | \$6.67 | \$4.59 | \$4.06 | - | \$4.48 | \$7.75 | \$4.87 | - | \$6.40 |
| Turkiye | \$10.25 | \$12.43 | \$9.45 | \$7.46 | \$10.11 | \$5.03 | - | - | - | - | \$6.03 | \$6.27 |
| United Kingdom | \$12.41 | \$12.56 | \$10.65 | \$7.29 | \$7.66 | \$6.67 | \$5.58 | - | - | \$6.59 | \$6.88 | \$5.89 |
| Average Price | \$11.24 | \$12.19 | \$10.82 | \$9.01 | \$7.67 | \$6.58 | \$7.05 | \$7.09 | \$6.37 | \$6.21 | \$6.32 | \$6.81 |
| 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 | \$10.00 |
| Jamaica | \$10.00 | \$10.01 | \$10.00 | \$10.00 | \$10.01 | \$10.04 | \$10.20 | \$10.39 | \$10.39 | \$10.39 | \$10.39 | \$10.39 |
| Average Price | \$10.05 | \$10.01 | \$10.01 | \$10.01 | \$10.01 | \$10.03 | \$10.02 | \$10.04 | \$10.03 | \$10.05 | \$10.06 | \$10.06 |
| Average Price | \$11.24 | \$12.19 | \$10.82 | \$9.01 | \$7.67 | \$6.58 | \$7.05 | \$7.09 | \$6.37 | \$6.21 | \$6.32 | \$6.81 |

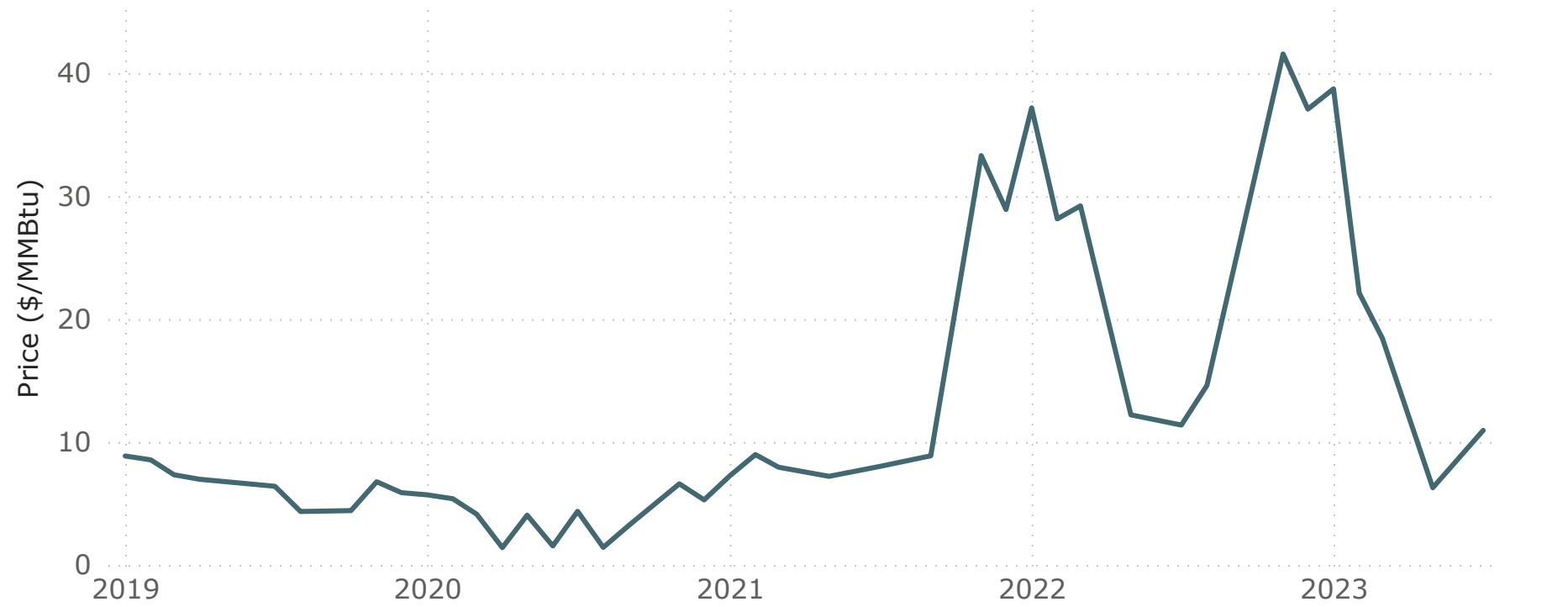
Notes

* 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 (October 2023)



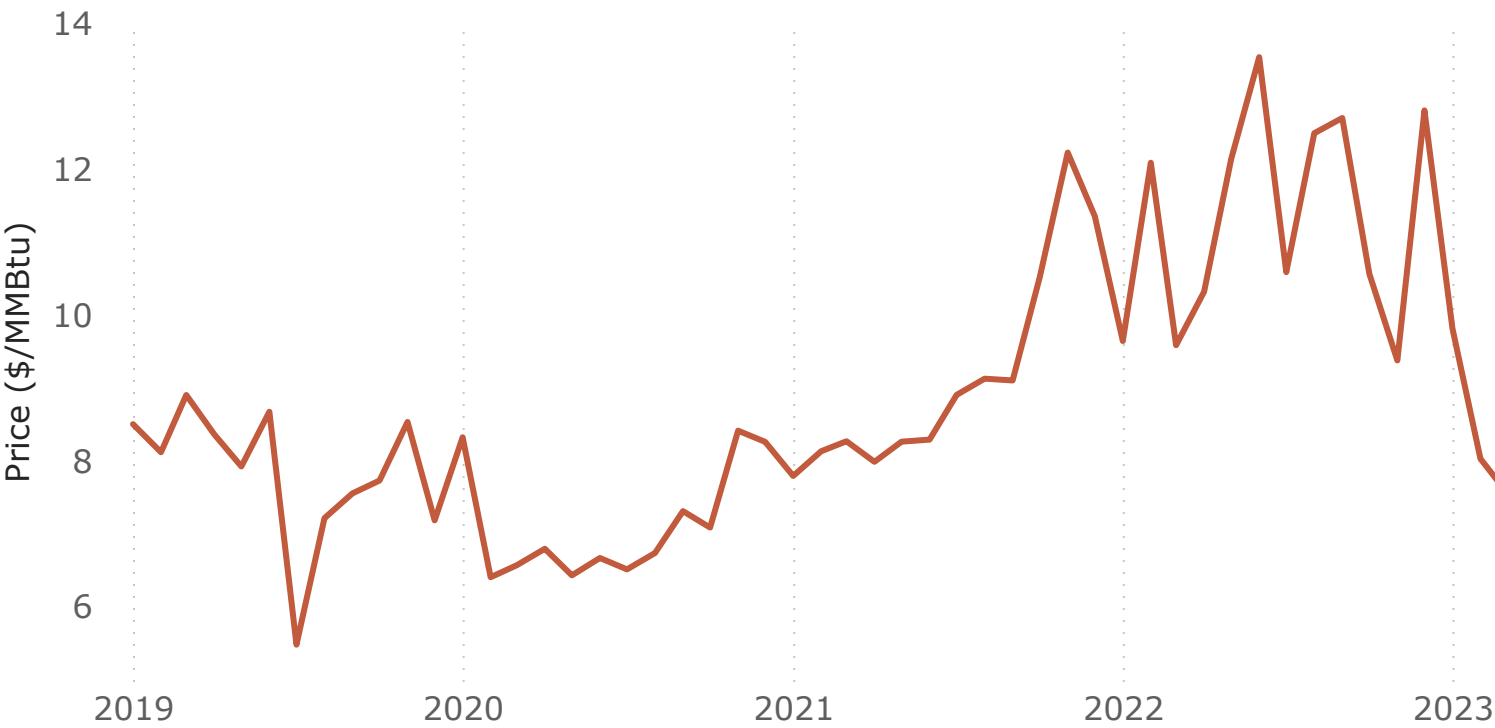
17: U.S. LNG Import Prices by Country of Origin and Point of Entry

| Price (\$/MMBtu) | 2022 | | 2023 | | | | | | | | | |
|---------------------------------|---------|---------|---------|---------|---------|-----|--------|-----|---------|-----|-----|-----|
| Activities by Mode of Transport | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| 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 (October 2023)



18: Puerto Rico LNG Import Prices by Country of Origin

| Price (\$/MMBtu) | 2022 | | 2023 | | | | | | | | | |
|-----------------------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Country of Origin | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct |
| LNG Imports by Vessel | | | | | | | | | | | | |
| Nigeria | \$7.29 | - | \$10.10 | \$7.95 | \$7.82 | \$7.32 | \$7.38 | \$7.37 | \$7.65 | \$7.29 | \$7.29 | \$7.29 |
| Spain | \$11.19 | - | - | - | - | - | - | - | - | - | \$7.97 | \$8.21 |
| Trinidad and Tobago | \$7.29 | \$12.81 | \$9.41 | \$8.15 | \$7.29 | \$7.30 | \$7.38 | \$7.54 | - | \$7.89 | \$7.97 | \$8.21 |
| Average Price | \$9.38 | \$12.81 | \$9.82 | \$8.04 | \$7.59 | \$7.31 | \$7.38 | \$7.44 | \$7.65 | \$7.64 | \$7.69 | \$7.81 |

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.

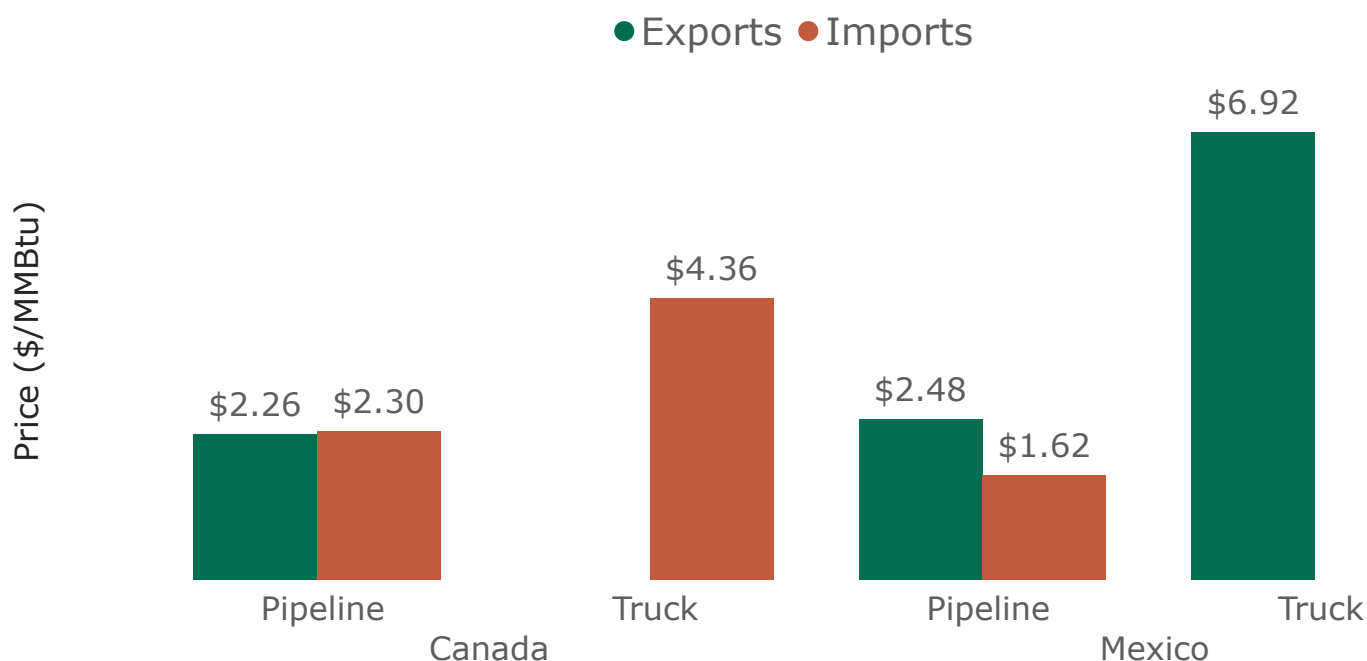
**U.S. Natural Gas
Import & Export Prices
by Pipeline and Truck
Summary**

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

Monthly Summary

37

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



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

| Price (\$/MMBtu) | Monthly | | | Percentage Change | |
|----------------------|---------------|---------------|---------------|-----------------------|-----------------------|
| Mode of Transport | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
| Mexico | | | | | |
| Exports | | | | | |
| Pipeline | \$2.48 | \$2.54 | \$4.86 | -2% | -49% |
| Truck | \$6.92 | \$8.00 | \$13.02 | -16% | -47% |
| Average Price | \$2.48 | \$2.54 | \$4.87 | -2% | -49% |
| Imports | | | | | |
| Pipeline | \$1.62 | \$1.54 | \$4.59 | 5% | -65% |
| Truck | - | - | - | - | - |
| Average Price | \$1.62 | \$1.54 | \$4.59 | 5% | -65% |
| Canada | | | | | |
| Exports | | | | | |
| Pipeline | \$2.26 | \$2.11 | \$5.32 | 7% | -58% |
| Truck | - | \$13.82 | \$16.07 | - | - |
| Average Price | \$2.26 | \$2.11 | \$5.32 | 7% | -58% |
| Imports | | | | | |
| Pipeline | \$2.30 | \$2.22 | \$4.58 | 3% | -50% |
| Truck | \$4.36 | \$4.75 | \$8.16 | -9% | -47% |
| Average Price | \$2.30 | \$2.23 | \$4.58 | 3% | -50% |

Notes

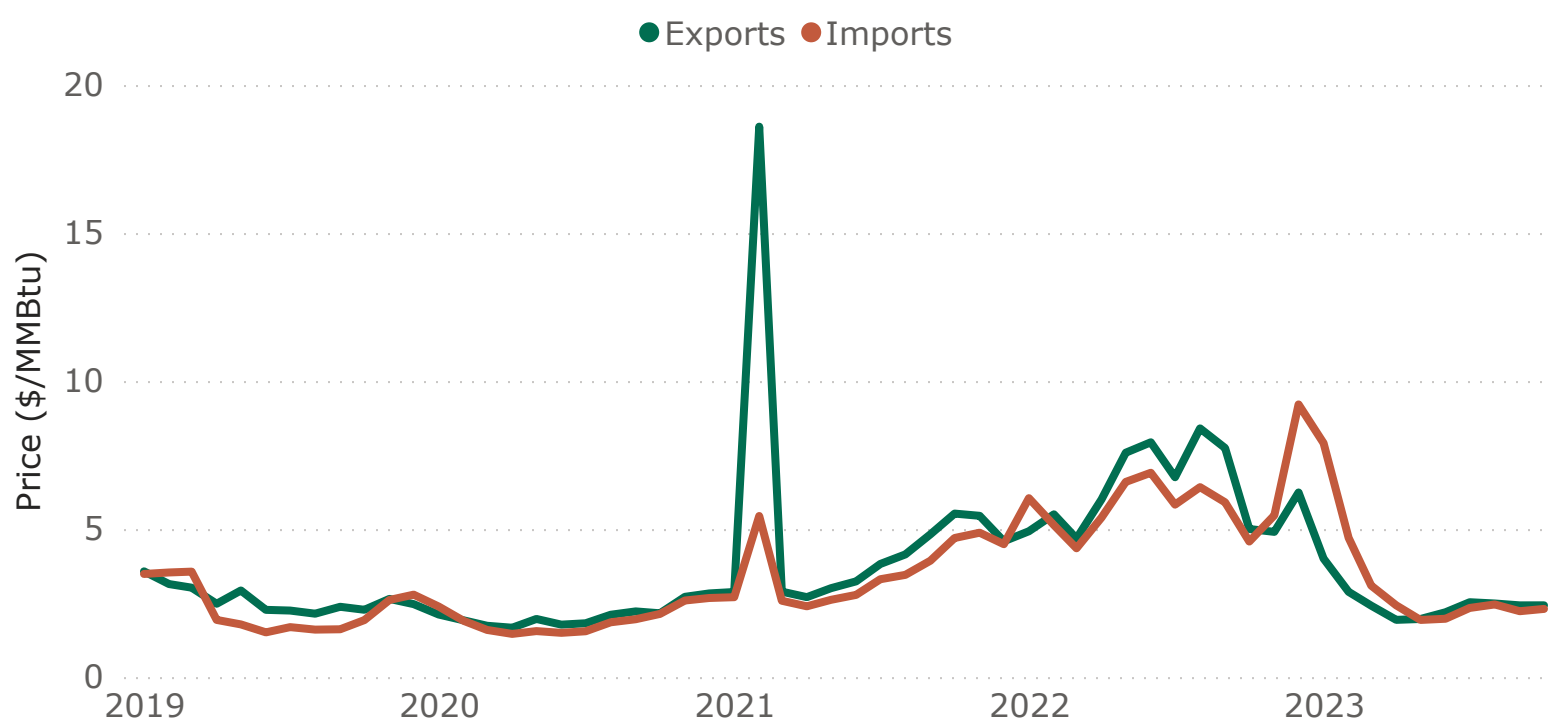
- Natural gas imports & exports by truck included compressed natural gas (CNG) and liquefied natural gas (LNG).
- The import & export prices by pipeline & truck include the price of natural gas and the transportation cost up to the U.S. border.
- not applicable(-).

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

Year-to-Date and Annual Summary

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



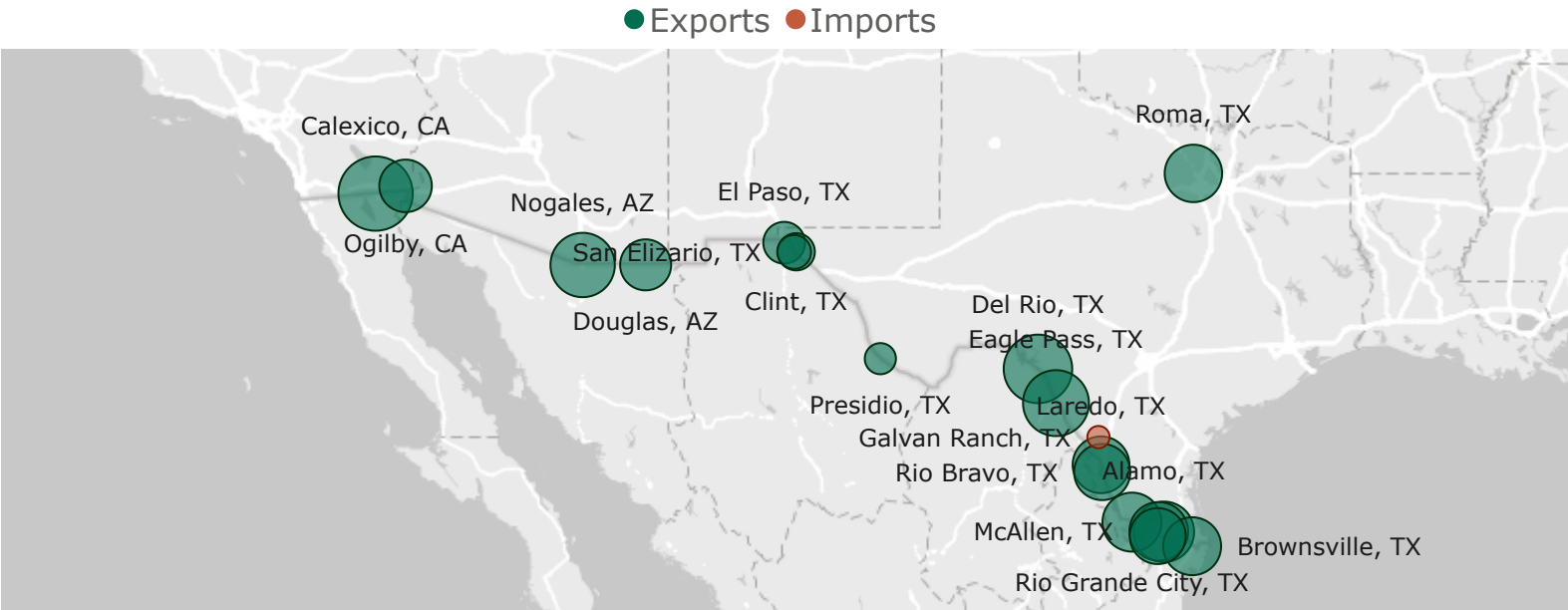
19a. Monthly Summary: U.S. Natural Gas Import & Export by Pipeline & Truck Prices

| Price (\$/MMBtu) | Year-to-Date (Jan-Oct) | | | Annual | | |
|----------------------|------------------------|----------------|-------------|----------------|----------------|------------|
| Mode of Transport | YTD 2023 | YTD 2022 | % Change | 2022 | 2021 | % Change |
| Mexico | | | | | | |
| Exports | | | | | | |
| Pipeline | \$2.50 | \$6.43 | -61% | \$6.26 | \$5.41 | 16% |
| Truck | \$8.31 | \$13.08 | -37% | \$12.77 | \$10.99 | 16% |
| Average Price | \$2.50 | \$6.44 | -61% | \$6.27 | \$5.42 | 16% |
| Imports | | | | | | |
| Pipeline | \$17.31 | \$13.55 | 28% | \$14.72 | \$11.10 | 33% |
| Truck | - | - | - | - | - | - |
| Average Price | \$17.31 | \$13.55 | 28% | \$14.72 | \$11.10 | 33% |
| Canada | | | | | | |
| Exports | | | | | | |
| Pipeline | \$2.58 | \$6.46 | -60% | \$6.37 | \$3.79 | 68% |
| Truck | \$13.64 | \$15.89 | -14% | \$15.94 | \$7.06 | 126% |
| Average Price | \$2.58 | \$6.46 | -60% | \$6.37 | \$3.79 | 68% |
| Imports | | | | | | |
| Pipeline | \$3.21 | \$5.69 | -44% | \$6.01 | \$3.64 | 65% |
| Truck | \$5.04 | \$8.50 | -41% | \$8.66 | \$6.30 | 38% |
| Average Price | \$3.22 | \$5.70 | -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 (October 2023)



| | |
|---------------------|--------|
| Calexico, CA | \$4.05 |
| Del Rio, TX | \$3.54 |
| Eagle Pass, TX | \$3.33 |
| Nogales, AZ | \$3.21 |
| Alamo, TX | \$2.93 |
| Rio Grande City, TX | \$2.83 |
| McAllen, TX | \$2.81 |
| Brownsville, TX | \$2.76 |
| Roma, TX | \$2.73 |
| Laredo, TX | \$2.69 |
| Rio Bravo, TX | \$2.65 |
| Hidalgo, TX | \$2.64 |
| Ogilby, CA | \$2.44 |
| Douglas, AZ | \$2.36 |
| El Paso, TX | \$1.96 |
| Clint, TX | \$1.82 |
| San Elizario, TX | \$1.74 |
| Presidio, TX | \$1.69 |
| Galvan Ranch, TX | \$1.62 |

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.
- 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) | Monthly | | | Percentage Change | |
|----------------------------|---------------|---------------|---------------|-----------------------------|-----------------------------|
| Point of Entry/Exit | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
| Exports to Mexico | | | | | |
| Calexico, CA | \$4.05 | \$3.24 | \$4.09 | 20% | <1% |
| Del Rio, TX | \$3.54 | \$3.49 | \$6.55 | 1% | -46% |
| Eagle Pass, TX | \$3.33 | \$3.45 | \$6.42 | -4% | -48% |
| Nogales, AZ | \$3.21 | \$3.69 | \$4.19 | -15% | -23% |
| Alamo, TX | \$2.93 | \$3.07 | \$5.33 | -5% | -45% |
| Rio Grande City, TX | \$2.83 | \$2.78 | \$5.14 | 2% | -45% |
| McAllen, TX | \$2.81 | \$2.77 | \$5.60 | 1% | -50% |
| Brownsville, TX | \$2.76 | \$2.64 | \$5.29 | 4% | -48% |
| Roma, TX | \$2.73 | \$2.75 | \$5.38 | <1% | -49% |
| Laredo, TX | \$2.69 | \$2.59 | \$5.43 | 4% | -51% |
| Rio Bravo, TX | \$2.65 | \$2.63 | \$5.23 | <1% | -49% |
| Hidalgo, TX | \$2.64 | \$2.58 | \$5.33 | 2% | -50% |
| Ogilby, CA | \$2.44 | \$2.64 | \$6.44 | -8% | -62% |
| Douglas, AZ | \$2.36 | \$2.51 | \$4.21 | -6% | -44% |
| El Paso, TX | \$1.96 | \$2.37 | \$3.80 | -21% | -48% |
| Clint, TX | \$1.82 | \$2.12 | \$3.63 | -16% | -50% |
| San Elizario, TX | \$1.74 | \$2.10 | \$3.43 | -21% | -49% |
| Presidio, TX | \$1.69 | \$2.06 | \$3.29 | -22% | -49% |
| Otay Mesa, CA | - | - | - | - | - |
| Sasabe, AZ | - | - | \$3.99 | - | - |
| Average Price | \$2.48 | \$2.54 | \$4.87 | -2% | -49% |
| Imports from Mexico | | | | | |
| Galvan Ranch, TX | \$1.62 | \$1.54 | \$4.59 | 5% | -65% |
| Ogilby, CA | - | - | - | - | - |
| Otay Mesa, CA | - | - | \$7.45 | - | - |
| Rio Grande City, TX | - | - | - | - | - |
| Average Price | \$1.62 | \$1.54 | \$4.59 | 5% | -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(-).
- 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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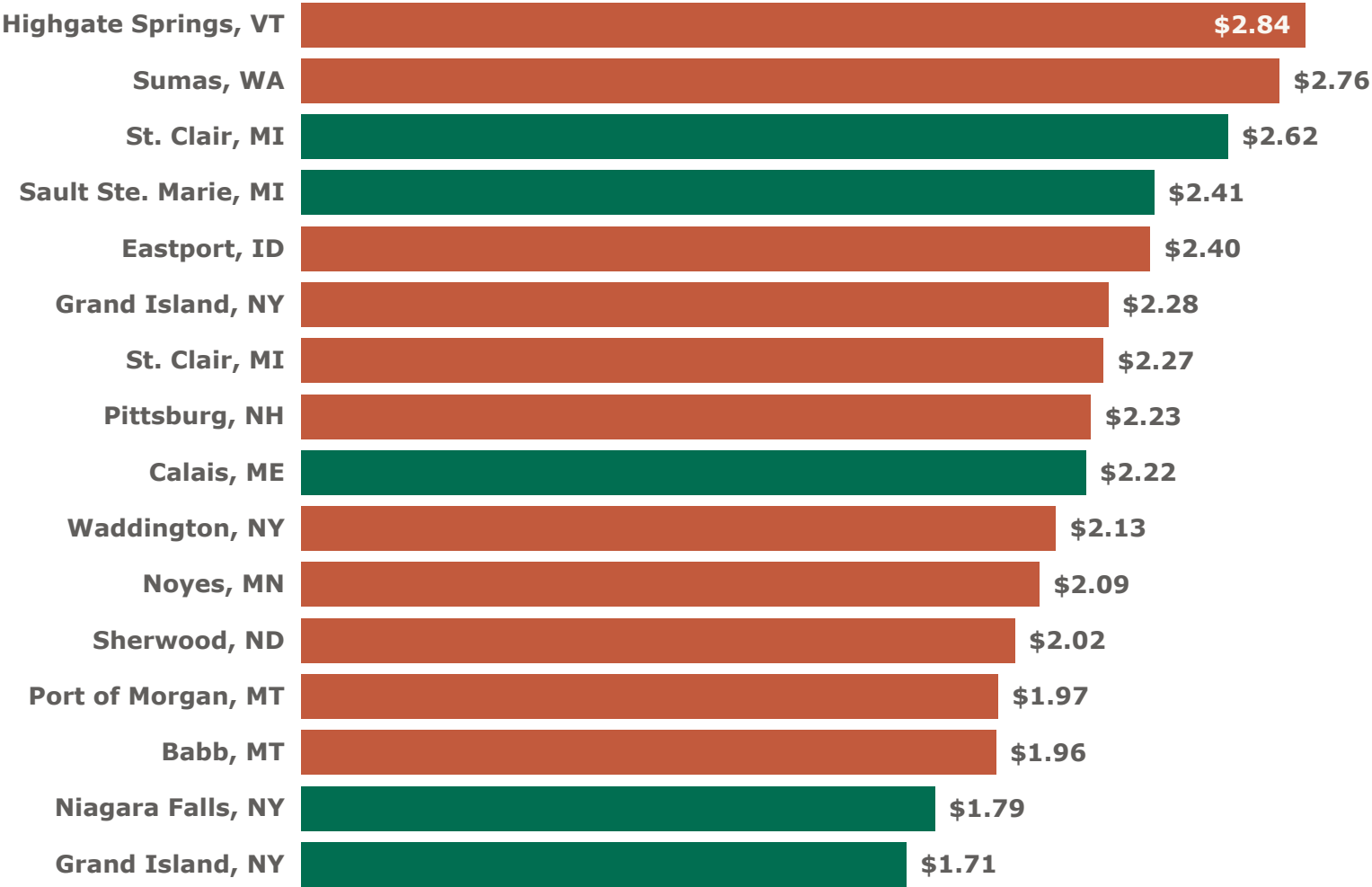
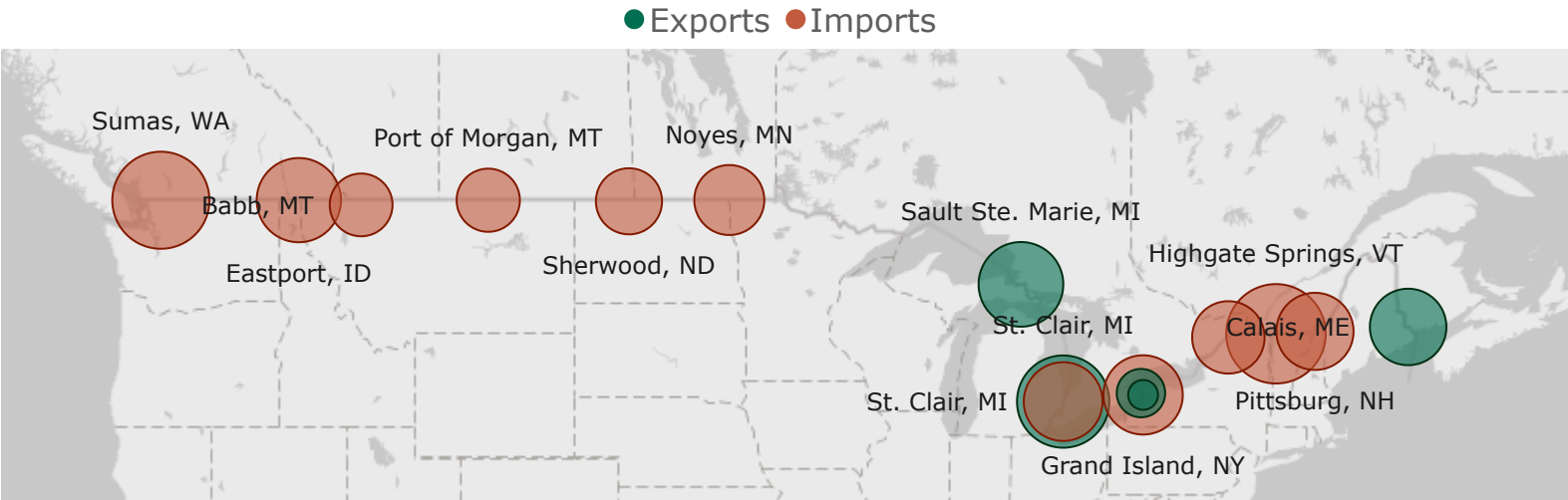
20b. Year-to-Date and Annual Summary: U.S. Natural Gas Import & Export with Mexico Prices by Point of Entry/Exit

| Price (\$/MMBtu) | Year-to-Date (Jan-Oct) | | | 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 | \$5.52 | -71% | \$5.35 | \$2.93 | 82% |
| Ogilby, CA | - | \$7.22 | - | \$7.22 | \$12.68 | -43% |
| Rio Grande City, TX | - | - | - | - | \$3.10 | - |
| Average Price | \$17.31 | \$13.55 | 28% | \$14.72 | \$11.10 | 33% |
| Exports to Mexico | | | | | | |
| Calexico, CA | \$3.81 | \$4.74 | -20% | \$5.29 | \$4.15 | 27% |
| Del Rio, TX | \$3.53 | \$7.62 | -54% | \$7.42 | \$5.11 | 45% |
| Eagle Pass, TX | \$3.51 | \$7.59 | -54% | \$7.40 | \$4.82 | 53% |
| Ogilby, CA | \$3.48 | \$7.47 | -53% | \$8.53 | \$4.89 | 75% |
| Nogales, AZ | \$3.40 | \$7.33 | -54% | \$6.82 | \$7.15 | -5% |
| Sasabe, AZ | \$3.32 | \$5.97 | -44% | \$5.53 | \$5.95 | -7% |
| Alamo, TX | \$2.94 | \$6.84 | -57% | \$6.72 | \$7.10 | -5% |
| McAllen, TX | \$2.79 | \$6.94 | -60% | \$6.80 | \$4.95 | 37% |
| Roma, TX | \$2.68 | \$6.75 | -60% | \$6.53 | \$5.31 | 23% |
| Douglas, AZ | \$2.67 | \$6.73 | -60% | \$6.49 | \$4.94 | 31% |
| Rio Grande City, TX | \$2.66 | \$6.50 | -59% | \$6.24 | \$5.88 | 6% |
| Brownsville, TX | \$2.54 | \$6.53 | -61% | \$6.28 | \$6.16 | 2% |
| Hidalgo, TX | \$2.53 | \$6.14 | -59% | \$6.02 | \$4.26 | 41% |
| Laredo, TX | \$2.53 | \$6.67 | -62% | \$6.43 | \$5.94 | 8% |
| Rio Bravo, TX | \$2.52 | \$6.56 | -62% | \$6.30 | \$5.56 | 13% |
| El Paso, TX | \$2.33 | \$5.99 | -61% | \$5.76 | \$5.19 | 11% |
| San Elizario, TX | \$1.99 | \$6.00 | -67% | \$5.69 | \$4.90 | 16% |
| Clint, TX | \$1.94 | \$5.81 | -67% | \$5.56 | \$4.45 | 25% |
| Presidio, TX | \$1.89 | \$5.85 | -68% | \$5.51 | \$4.28 | 29% |
| Otay Mesa, CA | - | - | - | - | \$3.58 | - |
| Average Price | \$2.50 | \$6.44 | -61% | \$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.

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

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

| Price (\$/MMBtu) | Monthly | | | Percentage Change | |
|----------------------|----------|----------|----------|-----------------------|-----------------------|
| Point of Entry/Exit | Oct 2023 | Sep 2023 | Oct 2022 | Oct 2023 vs. Sep 2023 | Oct 2023 vs. Oct 2022 |
| Imports from Canada | | | | | |
| Calais, ME | \$9.03 | \$5.77 | \$9.07 | 36% | <1% |
| Alcan, Ak | \$8.00 | \$7.62 | \$7.74 | 5% | 3% |
| Jackman, ME | \$7.47 | - | \$11.23 | - | -33% |
| Blaine, WA | \$6.83 | \$7.81 | \$9.53 | -14% | -28% |
| Portal, ND | \$3.33 | \$2.39 | \$4.33 | 28% | -23% |
| Warroad, MN | \$3.09 | \$3.53 | \$7.53 | -14% | -59% |
| Massena, NY | \$2.98 | \$2.18 | \$6.75 | 27% | -56% |
| Highgate Springs, VT | \$2.84 | \$2.97 | \$6.54 | -5% | -57% |
| Sumas, WA | \$2.76 | \$2.53 | \$5.07 | 8% | -45% |
| Champlain, NY | \$2.50 | \$2.77 | \$5.78 | -11% | -57% |
| Eastport, ID | \$2.40 | \$2.22 | \$4.04 | 7% | -41% |
| Grand Island, NY | \$2.28 | \$2.29 | \$5.42 | <1% | -58% |
| St. Clair, MI | \$2.27 | \$2.25 | \$5.55 | <1% | -59% |
| Pittsburg, NH | \$2.23 | \$2.31 | \$5.18 | -4% | -57% |
| Sweetgrass, MT | \$2.23 | - | - | - | - |
| Waddington, NY | \$2.13 | \$2.43 | \$5.16 | -14% | -59% |
| Noyes, MN | \$2.09 | \$2.14 | \$5.03 | -3% | -59% |
| Houlton, ME | \$2.08 | \$1.76 | \$6.10 | 15% | -66% |
| Sherwood, ND | \$2.02 | \$1.98 | \$4.48 | 2% | -55% |
| Niagara Falls, NY | \$2.01 | \$1.82 | \$4.72 | 10% | -57% |
| Port of Morgan, MT | \$1.97 | \$2.10 | \$3.97 | -7% | -50% |
| Babb, MT | \$1.96 | \$2.13 | \$2.55 | -9% | -23% |
| Whitlash, MT | \$1.89 | \$2.01 | \$2.47 | -6% | -23% |
| Buffalo, NY | - | - | - | - | - |
| Detroit, MI | - | \$2.27 | \$5.09 | - | - |
| Marysville, MI | - | - | - | - | - |
| North Troy, VT | - | - | \$9.76 | - | - |
| Sault Ste. Marie, MI | - | - | - | - | - |
| Average Price | \$2.30 | \$2.23 | \$4.58 | 3% | -50% |
| Exports to Canada | | | | | |
| Sumas, WA | \$2.68 | \$2.21 | \$4.51 | 18% | -41% |
| St. Clair, MI | \$2.62 | \$2.29 | \$5.48 | 13% | -52% |
| Sault Ste. Marie, MI | \$2.41 | \$2.51 | \$5.29 | -4% | -54% |
| Calais, ME | \$2.22 | \$2.17 | \$5.12 | 2% | -57% |
| Waddington, NY | \$2.21 | \$2.51 | \$4.91 | -14% | -55% |
| Sweetgrass, MT | \$2.01 | - | \$4.72 | - | -57% |
| Noyes, MN | \$1.89 | \$2.14 | \$4.68 | -13% | -60% |
| Niagara Falls, NY | \$1.79 | \$1.73 | \$5.02 | 3% | -64% |
| Grand Island, NY | \$1.71 | \$1.69 | \$5.58 | 1% | -69% |
| Portal, ND | \$1.51 | \$1.67 | \$2.29 | -11% | -34% |
| Pittsburg, NH | \$1.39 | \$1.56 | - | -12% | - |
| Buffalo, NY | - | - | - | - | - |
| Champlain, NY | - | - | - | - | - |
| Detroit, MI | - | \$2.27 | \$5.09 | - | - |
| Eastport, ID | - | - | - | - | - |
| Marysville, MI | - | - | - | - | - |
| Massena, NY | - | - | - | - | - |
| Average Price | \$2.26 | \$2.11 | \$5.32 | 7% | -58% |

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

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-Oct) | | | 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 | \$12.76 | \$13.55 | -6% | \$14.18 | \$6.19 | 129% |
| Blaine, WA | \$8.46 | \$8.31 | 2% | \$8.47 | \$6.62 | 28% |
| Alcan, Ak | \$7.94 | \$12.67 | -37% | \$12.07 | - | - |
| Jackman, ME | \$7.46 | \$6.23 | 20% | \$7.79 | \$6.21 | 25% |
| Houlton, ME | \$7.09 | \$10.56 | -33% | \$11.32 | \$5.68 | 99% |
| Massena, NY | \$5.62 | \$7.23 | -22% | \$7.38 | \$5.11 | 44% |
| Sumas, WA | \$5.45 | \$5.90 | -8% | \$6.96 | \$3.82 | 82% |
| Champlain, NY | \$4.37 | \$9.10 | -52% | \$8.76 | \$4.24 | 106% |
| Portal, ND | \$3.94 | \$4.33 | -9% | \$4.30 | \$2.76 | 56% |
| Waddington, NY | \$3.93 | \$7.95 | -51% | \$7.86 | \$4.17 | 88% |
| Warroad, MN | \$3.91 | \$5.59 | -30% | \$5.88 | \$3.01 | 95% |
| Highgate Springs, VT | \$3.42 | \$5.83 | -41% | \$5.93 | \$3.63 | 63% |
| Pittsburg, NH | \$3.27 | \$8.33 | -61% | \$8.51 | \$4.50 | 89% |
| Eastport, ID | \$3.25 | \$4.73 | -31% | \$5.42 | \$3.20 | 69% |
| Sweetgrass, MT | \$3.07 | \$2.11 | 45% | \$2.11 | \$16.20 | -87% |
| Detroit, MI | \$2.42 | \$6.20 | -61% | \$6.02 | \$3.85 | 56% |
| Port of Morgan, MT | \$2.33 | \$5.23 | -55% | \$5.26 | \$3.58 | 47% |
| St. Clair, MI | \$2.32 | \$6.49 | -64% | \$6.28 | \$4.30 | 46% |
| Noyes, MN | \$2.29 | \$5.82 | -61% | \$5.74 | \$3.51 | 63% |
| Grand Island, NY | \$2.21 | \$6.49 | -66% | \$6.41 | \$3.83 | 67% |
| Babb, MT | \$2.21 | \$4.30 | -48% | \$4.35 | \$3.05 | 43% |
| Sherwood, ND | \$2.20 | \$5.60 | -61% | \$5.50 | \$3.71 | 48% |
| Whitlash, MT | \$2.13 | \$4.20 | -49% | \$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 | \$3.22 | \$5.70 | -44% | \$6.01 | \$3.64 | 65% |
| Exports to Canada | | | | | | |
| Sumas, WA | \$3.79 | \$5.59 | -32% | \$11.16 | \$3.92 | 185% |
| Calais, ME | \$3.67 | \$8.57 | -57% | \$8.61 | \$4.92 | 75% |
| Sweetgrass, MT | \$3.32 | \$2.92 | 14% | \$3.04 | - | - |
| Waddington, NY | \$3.06 | \$7.23 | -58% | \$6.82 | \$3.64 | 87% |
| St. Clair, MI | \$2.64 | \$6.22 | -57% | \$6.10 | \$3.69 | 65% |
| Sault Ste. Marie, MI | \$2.63 | \$6.31 | -58% | \$6.16 | \$3.73 | 65% |
| Detroit, MI | \$2.47 | \$6.10 | -59% | \$5.90 | \$3.62 | 63% |
| Marysville, MI | \$2.47 | \$5.19 | -52% | \$5.34 | \$3.76 | 42% |
| Champlain, NY | \$2.40 | - | - | - | - | - |
| Noyes, MN | \$2.18 | \$6.06 | -64% | \$5.94 | \$3.37 | 76% |
| Pittsburg, NH | \$2.12 | \$8.19 | -74% | \$6.79 | \$2.54 | 167% |
| Niagara Falls, NY | \$2.03 | \$6.14 | -67% | \$5.96 | \$3.48 | 71% |
| Grand Island, NY | \$1.89 | \$6.37 | -70% | \$6.17 | \$3.53 | 74% |
| Portal, ND | \$1.87 | \$5.61 | -67% | \$5.39 | \$3.92 | 37% |
| Buffalo, NY | \$1.81 | - | - | - | - | - |
| Eastport, ID | - | - | - | - | \$2.48 | - |
| Massena, NY | - | - | - | - | \$2.73 | - |
| Average Price | \$2.58 | \$6.46 | -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.

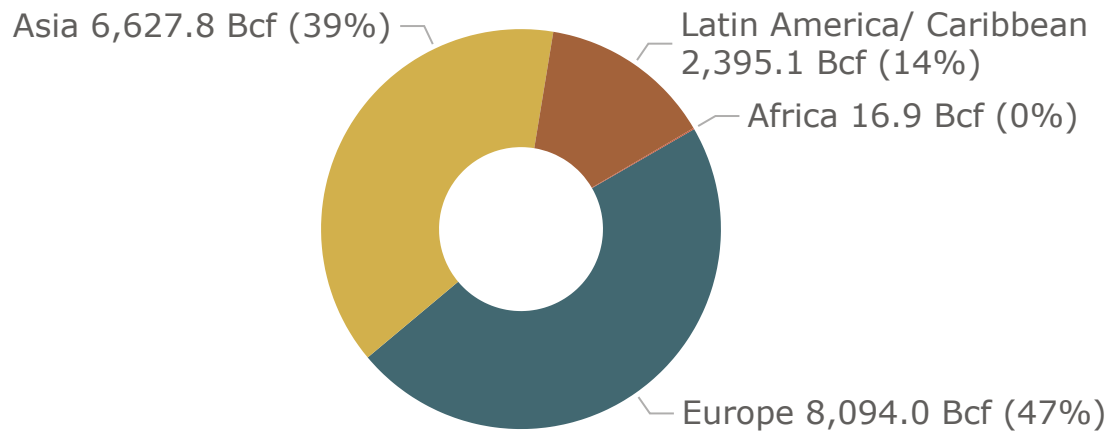
Appendices and Miscellaneous

Cumulative U.S.-Produced LNG Exports

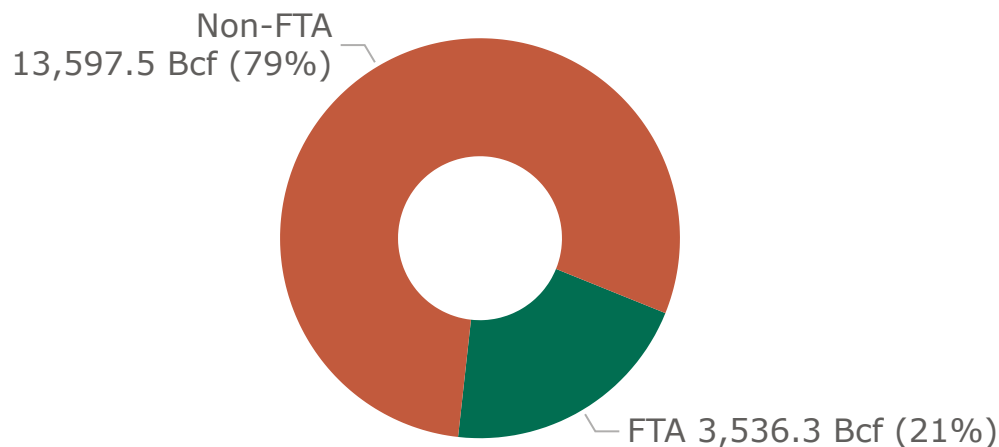
Cumulative Summary

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



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



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

| Region of Destination | Volume (Bcf) | Volume (% of Total) | No. of Cargos | No. of Countries | % nFTA |
|-------------------------------------|-----------------|---------------------|---------------|------------------|-------------|
| LNG Exports by Vessel | | | | | |
| Europe | 8,094.0 | 47.2% | 2530 | 15 | 100% |
| Asia | 6,627.8 | 38.7% | 1971 | 16 | 67% |
| Latin America/ Caribbean | 2,389.2 | 13.9% | 878 | 9 | 44% |
| Africa | 16.9 | 0.1% | 5 | 1 | 100% |
| Total | 17,128.0 | 100.0% | 5384 | 41 | 79% |
| LNG Exports by ISO Container | | | | | |
| Latin America/ Caribbean | 5.9 | 0.0% | 1549 | 6 | 100% |
| Europe | 0.0 | 0.0% | 1 | 1 | 100% |
| Total | 5.9 | 0.0% | 1550 | 7 | 100% |
| Total LNG Exports | 17,133.9 | 100.0% | | 46 | 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 Oct 2023)

| Country of Destination | Rank | Volume (Bcf) | Volume (% of Total) | No. of Cargos |
|------------------------------|------|--------------|---------------------|---------------|
| LNG Exports by Vessel | | | | |
| South Korea* | 1 | 1,939.5 | 11% | 561 |
| Japan | 2 | 1,493.3 | 9% | 438 |
| France | 3 | 1,358.3 | 8% | 419 |
| United Kingdom | 4 | 1,349.6 | 8% | 408 |
| Spain | 5 | 1,287.2 | 8% | 412 |
| Netherlands | 6 | 1,238.6 | 7% | 365 |
| China | 7 | 1,116.3 | 7% | 334 |
| India | 8 | 769.9 | 4% | 226 |
| Turkiye | 9 | 675.7 | 4% | 212 |
| Brazil | 10 | 639.6 | 4% | 230 |
| Mexico* | 11 | 556.8 | 3% | 168 |
| Italy | 12 | 470.2 | 3% | 145 |
| Chile* | 13 | 450.5 | 3% | 143 |
| Taiwan | 14 | 417.9 | 2% | 131 |
| Poland | 15 | 379.6 | 2% | 114 |
| Argentina | 16 | 342.2 | 2% | 142 |
| Portugal | 17 | 328.5 | 2% | 103 |
| Dominican Republic* | 18 | 219.7 | 1% | 92 |
| Belgium | 19 | 217.6 | 1% | 68 |
| Greece | 20 | 206.6 | 1% | 91 |
| Kuwait | 21 | 194.8 | 1% | 56 |
| Lithuania | 22 | 192.8 | 1% | 62 |
| Germany | 23 | 174.0 | 1% | 55 |
| Croatia | 24 | 159.1 | 1% | 52 |
| Thailand | 25 | 131.0 | 1% | 37 |
| Pakistan | 26 | 128.9 | 1% | 40 |
| Jordan* | 27 | 127.5 | 1% | 37 |
| Singapore* | 28 | 127.4 | 1% | 39 |
| Bangladesh | 29 | 82.1 | 0% | 24 |
| Panama* | 30 | 67.7 | 0% | 35 |
| Jamaica | 31 | 65.5 | 0% | 39 |
| United Arab Emirates | 32 | 51.1 | 0% | 15 |
| Colombia* | 33 | 47.2 | 0% | 28 |
| Finland | 34 | 36.0 | 0% | 13 |
| Israel | 35 | 28.0 | 0% | 9 |
| Malta | 36 | 20.1 | 0% | 11 |
| Egypt | 37 | 16.9 | 0% | 5 |
| Indonesia | 38 | 13.0 | 0% | 22 |
| Malaysia | 39 | 3.7 | 0% | 1 |
| Philippines | 40 | 3.4 | 0% | 1 |
| El Salvador* | 41 | <0.1 | 0% | 1 |
| Total | | 17,128.0 | 100% | 5384 |
| LNG Exports by ISO Container | | | | |
| Jamaica | 1 | 2.0 | 0% | 189 |
| Bahamas | 2 | 2.0 | 0% | 816 |
| Barbados | 3 | 1.3 | 0% | 305 |
| Haiti | 4 | 0.5 | 0% | 161 |
| Antigua and Barbuda | 5 | 0.1 | 0% | 77 |
| Nicaragua* | 6 | <0.1 | 0% | 1 |
| Germany | 7 | <0.1 | 0% | 1 |
| Total | | 5.9 | 0% | 1550 |
| Total LNG Exports | | 17,133.9 | 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.