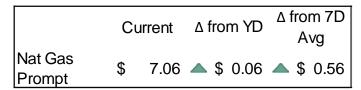


14 April 2022



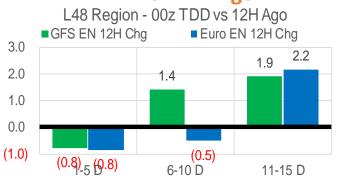
| | Current | Δ from YD | Δ from Av | |
|---------------|-----------|------------------|--------------|-----|
| WTI Prompt | \$ 103.06 | \$ (1.19) | \$ | 4.5 |

| | Current | Δ from YD | Δ from Ανο | |
|-----------------|-----------|--------------------|---------------|-----|
| Brent Prompt | \$ 107.55 | * \$ (1.23) | \$ | 4.6 |

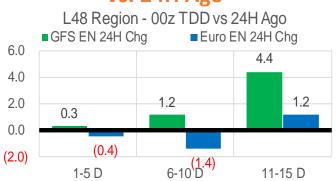
Page Menu

Short-term Weather Model Outlooks
Lower 48 Component Models
Regional S/D Models Storage Projection
Weather Model Storage Projection
Supply – Demand Trends
Nat Gas Options Volume and Open Interest
Nat Gas Futures Open Interest
Price Summary

Vs. 12H Ago



Vs. 24H Ago



| | Current | | Δ from 7D Avg | | |
|----------------------|---------|-------------|------------------|--|--|
| US Dry Production | 96.3 | 0.16 | 0.06 | | |

| | Current | Δ from YD | Δ from 7D Avg | | |
|-------------------|---------|-----------|------------------|--|--|
| US Power Burns | 28.5 | ▲ 0.54 | 1.56 | | |

| | Current | Δ from YD | Δ from 7D Avg |
|---------------|---------|-------------|------------------|
| US ResComm | 19.7 | 2.18 | ▼ -2.45 |

| | Current | Δ from YD | Δ from 7D Avg |
|---------------------|---------|---------------|------------------|
| Canadian Imports | 5.6 | a 0.47 | a 0.05 |

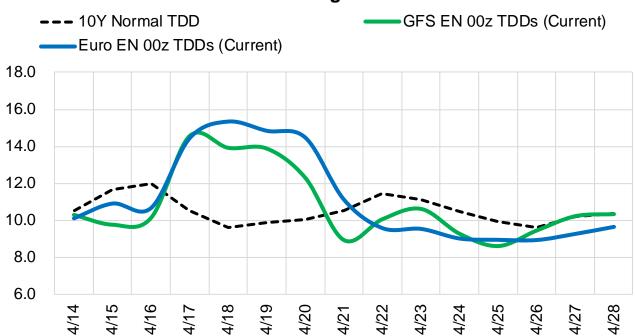
| | Current | Δ from YD | Δ from 7D Avg |
|--------------------|---------|-------------|------------------|
| Net LNG Exports | 12.8 | 0.19 | 0.31 |

| | Current | Δ from YD | Δ from 7D Avg |
|--------------------|---------|---------------|------------------|
| Mexican Exports | 6.5 | - 0.03 | ▼ -0.14 |

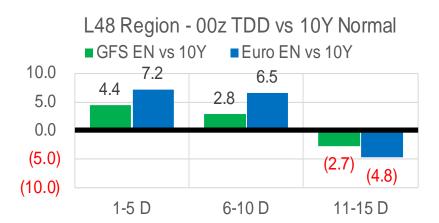


Short-term Weather Model Outlooks (00z)

L48 Region



Vs. 10Y Normal





Lower 48 Component Models

Daily Balances

| | 8-Apr | 9-Apr | 10-Apr | 11-Apr | 12-Apr | 13-Apr | 14-Apr | DoD | vs. 7D |
|--|-------|-------|--------|--------|--------|--------|--------|------------|---------------|
| Lower 48 Dry Production | 96.1 | 96.3 | 96.2 | 96.7 | 97.1 | 96.1 | 96.3 | 0.2 | ▼ -0.1 |
| Canadian Imports | 5.8 | 5.6 | 5.6 | 5.4 | 5.3 | 5.2 | 5.6 | 0.5 | △ 0.2 |
| L48 Power | 27.5 | 25.1 | 25.2 | 27.4 | 27.0 | 28.0 | 28.5 | 0.5 | 1.8 |
| L48 Residential & Commercial | 25.4 | 26.1 | 24.1 | 20.4 | 17.4 | 17.5 | 19.7 | 2.2 | ▼ -2.1 |
| L48 Industrial | 21.5 | 21.2 | 20.6 | 20.0 | 19.8 | 19.9 | 20.6 | 0.7 | 0.1 |
| L48 Lease and Plant Fuel | 5.2 | 5.3 | 5.2 | 5.3 | 5.3 | 5.2 | 5.2 | ▼ 0.0 | ▼ 0.0 |
| L48 Pipeline Distribution | 2.9 | 2.8 | 2.7 | 2.6 | 2.5 | 2.5 | 2.7 | 0.2 | ▼ 0.0 |
| L48 Regional Gas Consumption | 82.6 | 80.4 | 77.7 | 75.7 | 72.0 | 73.2 | 76.7 | 3.5 | ▼ -0.2 |
| Net LNG Delivered | 12.81 | 12.77 | 12.69 | 12.31 | 11.53 | 12.57 | 12.76 | 0.2 | a 0.3 |
| Total Mexican Exports | 6.7 | 6.4 | 6.3 | 6.6 | 6.8 | 6.5 | 6.5 | ▼ 0.0 | ▼ -0.1 |
| Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error | -0.2 | 2.3 | 5.1 | 7.4 | 11.9 | 9.1 | 6.0 | | |

EIA Storage Week Balances

| | 4-Mar | 11-Mar | 18-Mar | 25-Mar | 1-Apr | 8-Apr | WoW | vs. 4W |
|-------------------------------------|-------|--------|--------|--------|-------|-------|---------------|---------------|
| Lower 48 Dry Production | 94.2 | 94.8 | 93.9 | 95.4 | 96.1 | 96.0 | ▼ -0.1 | ▲ 0.9 |
| Canadian Imports | 5.9 | 5.2 | 5.2 | 4.8 | 5.7 | 5.8 | 0.1 | 0.5 |
| L48 Power | 29.4 | 27.6 | 27.3 | 25.6 | 27.0 | 26.8 | ▼-0.2 | ▼ 0.0 |
| L48 Residential & Commercial | 38.1 | 33.2 | 31.5 | 23.5 | 29.6 | 24.3 | ▼ -5.4 | ▼- 5.2 |
| L48 Industrial | 23.1 | 22.7 | 20.7 | 20.8 | 22.5 | 20.6 | ▼ -1.9 | ▼ -1.0 |
| L48 Lease and Plant Fuel | 5.1 | 5.2 | 5.1 | 5.2 | 5.2 | 5.2 | 0.0 | 0.1 |
| L48 Pipeline Distribution | 3.3 | 3.2 | 3.1 | 2.6 | 2.9 | 2.8 | ▼ -0.1 | ▼ -0.1 |
| L48 Regional Gas Consumption | 99.1 | 91.8 | 87.7 | 77.5 | 87.3 | 79.8 | ▼ -7.6 | ▼-6.3 |
| Net LNG Exports | 12.5 | 12.8 | 12.9 | 13.0 | 13.1 | 12.4 | ▼ -0.7 | ▼ -0.5 |
| Total Mexican Exports | 6.4 | 6.6 | 6.6 | 6.5 | 6.4 | 6.8 | 0.4 | 0.3 |
| Implied Daily Storage Activity | -17.9 | -11.2 | -7.9 | 3.2 | -5.0 | 2.8 | 7.8 | |
| EIA Reported Daily Storage Activity | -17.7 | -11.3 | -7.3 | 3.7 | -4.7 | | | |
| Daily Model Error | -0.2 | 0.1 | -0.7 | -0.5 | -0.3 | | | |

| Monthly Balances | | | | | | | | | |
|--|---------|--------|--------|--------|--------|--------|--------|---------------|---------------|
| • | 2Yr Ago | LY | | | | | MTD | | |
| | Apr-20 | Apr-21 | Dec-21 | Jan-22 | Feb-22 | Mar-22 | Apr-22 | MoM | vs. LY |
| Lower 48 Dry Production | 92.7 | 92.5 | 96.1 | 93.6 | 93.6 | 95.1 | 96.2 | 1.1 | 3.7 |
| Canadian Imports | 4.0 | 4.7 | 4.8 | 6.7 | 6.6 | 5.2 | 5.6 | 0.4 | 1.0 |
| L48 Power | 25.6 | 25.0 | 28.7 | 31.4 | 29.0 | 26.9 | 26.8 | - 0.2 | 1.7 |
| L48 Residential & Commercial | 20.5 | 19.6 | 33.9 | 48.6 | 42.7 | 29.5 | 23.1 | ▼ -6.4 | 3.6 |
| L48 Industrial | 20.4 | 21.4 | 22.5 | 25.5 | 25.3 | 21.7 | 21.2 | ▼-0.5 | ▼ -0.2 |
| L48 Lease and Plant Fuel | 5.0 | 5.0 | 5.3 | 5.1 | 5.1 | 5.2 | 5.2 | 0.1 | 0.2 |
| L48 Pipeline Distribution | 2.4 | 2.5 | 3.2 | 3.8 | 3.4 | 2.9 | 2.8 | ▼-0.2 | 0.3 |
| L48 Regional Gas Consumption | 74.0 | 73.5 | 93.6 | 114.4 | 105.5 | 86.3 | 79.1 | ▼-7.2 | 5.6 |
| Net LNG Exports | 8.2 | 11.5 | 12.1 | 12.4 | 12.4 | 12.9 | 12.4 | ▼-0.4 | 1.0 |
| Total Mexican Exports | 4.8 | 6.7 | 6.2 | 6.3 | 6.2 | 6.5 | 6.7 | 0.2 | ▼ 0.0 |
| Implied Daily Storage Activity EIA Reported Daily Storage Activity Daily Model Error | 9.7 | 5.5 | -11.0 | -32.8 | -23.8 | -5.4 | 3.6 | | |



Daily Average Generation Data

Nuclear Generation Daily Average - GWh (NRC)

| | 6-Apr | 7-Apr | 8-Apr | 9-Apr | 10-Apr | 11-Apr | 12-Apr | DoD | vs. 7D |
|-------------------------------|-------|-------|-------|-------|--------|--------|--------|-----|--------|
| NRC Nuclear Daily Output | 73.5 | 74.1 | 73.5 | 71.6 | 72.4 | 70.5 | 70.5 | 0.0 | -2.1 |
| NRC Nuclear Max Capacity | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 0.0 | 0.0 |
| NRC Nuclear Outage | 31.3 | 30.8 | 31.4 | 33.2 | 32.5 | 34.4 | 34.4 | 0.0 | 2.1 |
| NRC % Nuclear Cap Utilization | 74.8 | 75.3 | 74.7 | 72.8 | 73.6 | 71.6 | 71.6 | 0.0 | -2.2 |

Wind Generation Daily Average - MWh (EIA)

| | 6-Apr | 7-Apr | 8-Apr | 9-Apr | 10-Apr | 11-Apr | 12-Apr | DoD | vs. 7D |
|------------|-------|-------|-------|-------|--------|--------|--------|-------|--------|
| CALI Wind | 1463 | 974 | 1513 | 4322 | 4107 | 4305 | 3526 | -779 | 745 |
| TEXAS Wind | 18042 | 14085 | 8739 | 21206 | 19980 | 14089 | 20706 | 6617 | 4683 |
| US Wind | 74358 | 69149 | 57817 | 67177 | 73828 | 54878 | 76632 | 21754 | 10431 |

Generation Daily Average - MWh (EIA)

| | 6-Apr | 7-Apr | 8-Apr | 9-Apr | 10-Apr | 11-Apr | 12-Apr | DoD | vs. 7D |
|--------------|--------|--------|--------|--------|--------|--------|--------|-------|--------|
| US Wind | 74358 | 69149 | 57817 | 67177 | 73828 | 54878 | 76632 | 21754 | 10431 |
| US Solar | 15334 | 15988 | 17997 | 14264 | 15830 | 16341 | 15898 | -444 | -61 |
| US Petroleum | 1014 | 1058 | 958 | 972 | 940 | 980 | 983 | 3 | -4 |
| US Other | 7175 | 6780 | 6849 | 6526 | 6570 | 7234 | 7035 | -200 | 179 |
| US Coal | 74483 | 73714 | 78327 | 77500 | 71014 | 80855 | 76470 | -4385 | 488 |
| US Nuke | 77109 | 77265 | 77261 | 75898 | 75073 | 74319 | 75125 | 807 | -1029 |
| US Hydro | 33624 | 34527 | 31829 | 28547 | 27045 | 30298 | 29457 | -841 | -1521 |
| US Gas | 137836 | 138167 | 138773 | 122185 | 116560 | 142341 | 134369 | -7972 | 1726 |

See National Wind and Nuclear daily charts



US Petroleum

US Other

US Coal

US Nuke

US Hydro

US Gas

Nuclear Generation Weekly Average - GWh (NRC)

Storage Week Average Generation Data

| Nuclear Generation Weekly / | Average - O | TTII (ITIC | ") | | | | | |
|-------------------------------|-------------|------------|--------|--------|-------|-------|-------|------------------------|
| | 4-Mar | 11-Mar | 18-Mar | 25-Mar | 1-Apr | 8-Apr | WoW | WoW Bcf/d Impact |
| NRC Nuclear Daily Output | 85.8 | 82.3 | 80.9 | 80.9 | 79.3 | 75.0 | -4.4 | 0.8 |
| NRC Nuclear Max Capacity | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 0.0 | |
| NRC Nuclear Outage | 19.1 | 22.5 | 23.9 | 24.0 | 25.5 | 29.9 | 4.4 | |
| NRC % Nuclear Cap Utilization | 87.2 | 83.7 | 82.3 | 82.3 | 80.7 | 76.3 | -4.4 | |
| Wind Generation Weekly Ave | erage - MW | h (EIA) | | | | | | |
| | 4-Mar | 11-Mar | 18-Mar | 25-Mar | 1-Apr | 8-Apr | WoW | WoW Bcf/d Impact |
| CALI Wind | 815 | 2602 | 2297 | 2037 | 2643 | 2611 | -32 | 0.0 |
| TEXAS Wind | 6269 | 14469 | 17742 | 16108 | 14530 | 14468 | -62 | 0.0 |
| US Wind | 36019 | 56828 | 63171 | 62107 | 61694 | 60008 | -1686 | 0.3 |
| Generation Weekly Average | - MWh (EIA |) | | | | 0.0 | -3% | |
| , , | • | , | | | | est. | | |
| | | | | | | | | WoW |
| | 4-Mar | 11-Mar | 18-Mar | 25-Mar | 1-Apr | 8-Apr | WoW | Bcf/d Impact |
| US Wind | 36019 | 56828 | 63171 | 62107 | 61694 | 60008 | -1686 | 0.3 |
| US Solar | 14019 | 12720 | 13919 | 13805 | 15451 | 15391 | -59 | 0.0 |

See National Wind and Nuclear daily charts

1742

6616

86717

86449

34571

140401

961

7114

86035

84775

34883

137079

864

7740

72503

84027

33229

124817

1048

7481

77743

83506

33463

134886

1015

7127

77514

78807

32522

134442

-34

-354

-229

-4699

-941

-443

0.0

0.1

0.0

8.0

0.2

-0.1

3130

7510

103399

90157

32197

158687



Market Report

Monthly Average Generation Data

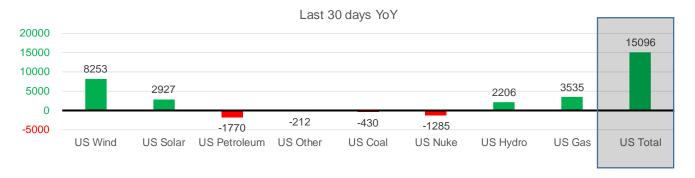
| Nuclear Generation Monthly Average - GWh (NRC) | | | | | | | | | | | |
|--|-----------------|-----------------|--------|--------|--------|--------|-----------------|--------------------|---------------------|--|--|
| | 2Yr Ago | LY | | | | MTD | | | | | |
| | Same 30 days | Same 30 days | Jan-22 | Feb-22 | Mar-22 | Apr-22 | Last 30 days | MoM (MTD vs LY) | Last 30 days YoY | | |
| NRC Nuclear Daily Output | 79.6 | 77.9 | 90.2 | 87.6 | 81.3 | 73.4 | 77.0 | -7.9 | -0.9 | | |
| NRC Nuclear Max Capacity | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 0.0 | 0.0 | | |
| NRC Nuclear Outage | 25.3 | 27.0 | 14.7 | 17.3 | 23.6 | 31.5 | 27.8 | 7.9 | 0.9 | | |
| NRC % Nuclear Cap Utilization | 80.9 | 79.2 | 91.7 | 89.0 | 82.7 | 74.6 | 78.3 | -8.1 | -0.9 | | |

Wind Generation Monthly Average - MWh (EIA)

| | 2Yr Ago | LY | | | | MTD | | | |
|------------|-----------------|-----------------|--------|--------|--------|--------|-----------------|-----------------|---------------------|
| | Same 30 days | Same 30 days | Jan-22 | Feb-22 | Mar-22 | Apr-22 | Last 30 days | MoM (MTD vs LY) | Last 30 days YoY |
| CALI Wind | 1869 | 2703 | 1244 | 1559 | 2250 | 3079 | 2725 | 829 | 22 |
| TEXAS Wind | 9827 | 13381 | 11355 | 12294 | 14837 | 16244 | 16048 | 1407 | 2668 |
| US Wind | 38449 | 55085 | 51045 | 56539 | 58520 | 64547 | 63338 | 6027 | 8253 |

Generation Monthly Average - MWh (EIA)

| Conoration monthly Avorago | 2Yr Ago | LY | | | | MTD | | | |
|----------------------------|-----------------|-----------------|--------|--------|--------|--------|-----------------|--------------------|---------------------|
| | Same 30 days | Same 30 days | Jan-22 | Feb-22 | Mar-22 | Apr-22 | Last 30 days | MoM (MTD vs LY) | Last 30 days YoY |
| US Wind | 38449 | 55085 | 51045 | 56539 | 58520 | 64547 | 63338 | ▼ -1209.2 | 8253 |
| US Solar | 8313 | 12124 | 9541 | 12188 | 14053 | 15705 | 15051 | ▼ -653.9 | 2927 |
| US Petroleum | 3189 | 2729 | 5021 | 3451 | 1335 | 993 | 959 | ▼ -34 | ▼ -1770 |
| US Other | 7403 | 7525 | 8792 | 8832 | 7183 | 7012 | 7312 | 3 00 | ▼ -212 |
| US Coal | 61742 | 76464 | 117971 | 106588 | 82279 | 77122 | 76034 | ▼ -1088 | ▼ -430 |
| US Nuke | 83057 | 82003 | 95259 | 92280 | 85157 | 77113 | 80718 | 3605 | ▼ -1285 |
| US Hydro | 30328 | 30142 | 34040 | 32213 | 33927 | 30982 | 32347 | 1366 | 2206 |
| US Gas | 146409 | 127463 | 164024 | 152058 | 135574 | 133147 | 130998 | 2286 | 3535 |
| US Total | 377091 | 392717 | 485878 | 464678 | 419850 | 406520 | 407812 | 5781 | 15096 |



See National Wind and Nuclear daily charts



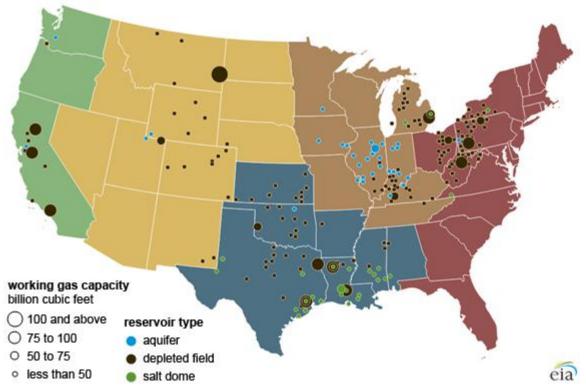
Regional S/D Models Storage Projection

Week Ending 8-Apr

| | Daily Raw Storage | Daily Adjustment Factor | Daily Average Storage Activity (Adjusted) * | Weekly Adjusted Storage Activity |
|---------------|----------------------|-------------------------------|---|---|
| L48 | 3.3 | -0.1 | 3.2 | 23 |
| | | | | |
| East | -2.8 | 1.9 | -0.9 | -6 |
| Midwest | 0.1 | -0.7 | -0.6 | -4 |
| Mountain | 3.6 | -3.2 | 0.4 | 3 |
| South Central | 1.9 | 1.7 | 3.6 | 25 |
| Pacific | 0.5 | 0.2 | 0.8 | 5 |

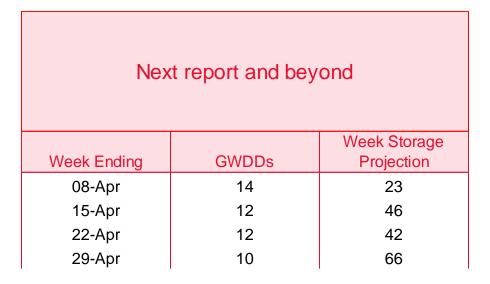
^{*}Adjustment Factor is calcuated based on historical regional deltas

U.S. underground natural gas storage facilities by type (July 2015)

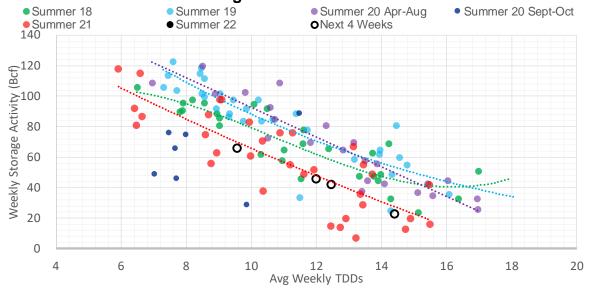




Weather Model Storage Projection



Weather Storage Model - Next 4 Week Forecast



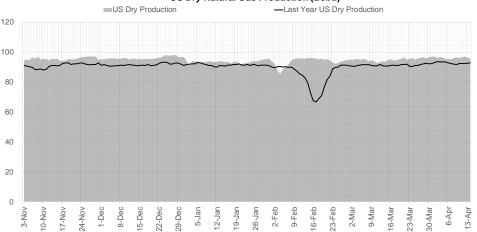
Go to larger image



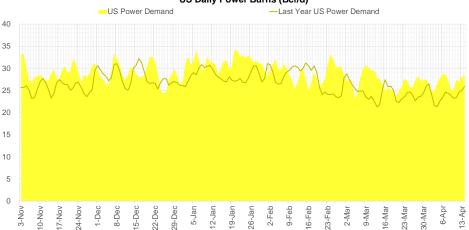


Supply - Demand Trends

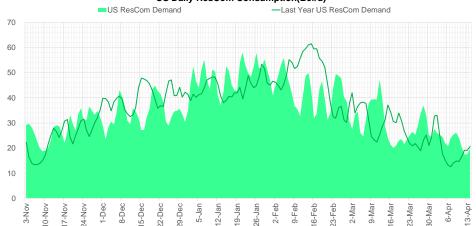
US Dry Natural Gas Production (Bcf/d)



US Daily Power Burns (Bcf/d)



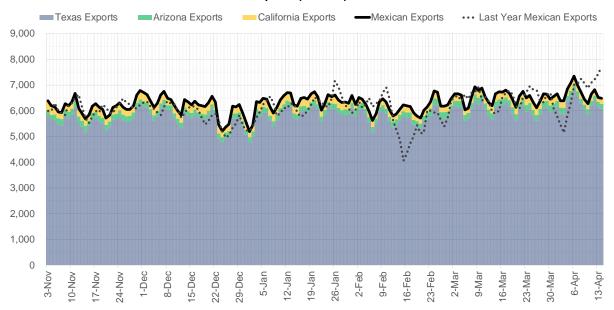
US Daily ResCom Consumption(Bcf/d)



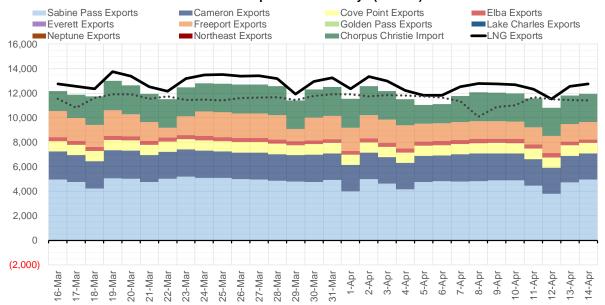
Source: Bloomberg



Mexican Exports (MMcf/d)



Net LNG Exports - Last 30 days (MMcf/d)



Source: Bloomberg



Nat Gas Options Volume and Open Interest CME and ICE Combined

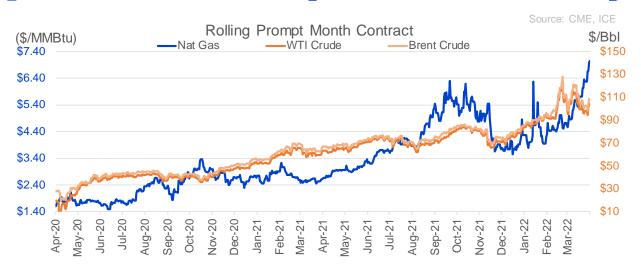
| CONTRACT MONTH | CONTRACT YEAR | PUT/CALL | STRIKE | CUMULATIVE VOL | | RACT NTH | CONTRACT YEAR | PUT/CALL | STRIKE | CUMULATIVE OI |
|-------------------|------------------|----------|--------|-------------------|---|-------------|------------------|----------|---------------------|---------------|
| 5 | 2022 | С | 8.00 | 7519 | { | 3 | 2022 | С | 10.00 | 49098 |
| 5 | 2022 | Č | 7.00 | 7266 | | | 2022 | Č | 10.50 | 43100 |
| 6 | 2022 | C | 10.00 | 4568 | 1 | | 2022 | Č | 6.00 | 29194 |
| 5 | 2022 | C | 7.10 | 3460 | | 0 | 2022 | Č | 5.00 | 26880 |
| 5 | 2022 | C | 7.10 | 3214 | į | | 2022 | P | 4.00 | 25638 |
| | | | | | 6 | | 2022 | Ċ | 6.00 | 24230 |
| 5 | 2022 | С | 6.75 | 3210 | (| | 2022 | C | 6.00 | 23876 |
| 5 | 2022 | P | 6.00 | 3166 | | | 2022 | P | 3.00 | 22536 |
| 8 | 2022 | С | 10.00 | 3040 | | | 2022 | C | 5.00 | 21367 |
| 5 | 2022 | C | 9.00 | 3024 | (| | 2022 | C | 8.00 | 21285 |
| 5 | 2022 | Р | 5.00 | 2909 | | | 2022 | C | 6.00 | 21257 |
| 9 | 2022 | С | 10.00 | 2851 | 5 | | 2022 | C | | |
| 10 | 2022 | С | 10.00 | 2784 | | | | | 6.00 | 20888 |
| 5 | 2022 | С | 7.25 | 2741 | | | 2022 | С | 7.00 | 20246 |
| 5 | 2022 | Р | 6.25 | 2200 | | | 2022 | P | 4.50 | 20052 |
| 5 | 2022 | Р | 5.50 | 2193 | | | 2022 | Р | 2.50 | 19874 |
| 9 | 2022 | С | 7.50 | 2190 | | 0 | 2022 | Р | 3.00 | 19845 |
| 8 | 2022 | С | 7.50 | 2041 | 6 | | 2022 | С | 7.00 | 19143 |
| 5 | 2022 | С | 10.00 | 1851 | 6 | | 2022 | P | 4.00 | 19053 |
| 5 | 2022 | Р | 6.50 | 1846 | 8 | | 2022 | C | 7.00 | 18709 |
| 6 | 2022 | С | 11.00 | 1774 | 7 | | 2022 | C | 7.00 | 18318 |
| 7 | 2022 | P | 7.00 | 1719 | 9 | | 2022 | С | 10.00 | 18287 |
| 7 | 2022 | C | 7.50 | 1661 | 7 | | 2022 | С | 6.00 | 18155 |
| 6 | 2022 | P | 5.25 | 1592 | 6 | | 2022 | С | 5.00 | 17850 |
| 6 | 2022 | Ċ | 9.00 | 1538 | | 2 | 2022 | С | 5.00 | 17771 |
| 6 | 2022 | Č | 7.50 | 1533 | | 7 | 2022 | Р | 3.25 | 17655 |
| 6 | 2022 | P | 5.50 | 1501 | 5 | 5 | 2022 | Р | 2.75 | 17585 |
| 6 | 2022 | C | 8.50 | | 1 | 0 | 2022 | Р | 2.50 | 17361 |
| 9 | | | | 1497 | 5 | 5 | 2022 | Р | 3.50 | 17270 |
| | 2022 | С | 10.50 | 1475 | 1 | 1 | 2023 | С | 6.00 | 17056 |
| 2 | 2023 | С | 8.00 | 1400 | 5 | 5 | 2022 | Р | 5.00 | 17023 |
| 7 | 2022 | С | 7.00 | 1380 | 6 | 3 | 2022 | Р | 3.00 | 16897 |
| 8 | 2022 | C | 10.50 | 1343 | Ç | 9 | 2022 | С | 7.00 | 16815 |
| 6 | 2022 | P | 6.00 | 1268 | | 5 | 2022 | Р | 3.75 | 16302 |
| 1 | 2023 | С | 7.00 | 1260 | 7 | 7 | 2022 | С | 8.00 | 16041 |
| 5 | 2022 | Р | 7.00 | 1239 | 6 | 3 | 2022 | С | 10.00 | 15613 |
| 5 | 2022 | С | 6.50 | 1201 | 1 | 0 | 2022 | Р | 4.00 | 15453 |
| 7 | 2022 | Р | 6.00 | 1144 | 1 | 1 | 2023 | С | 10.00 | 15422 |
| 8 | 2022 | Р | 6.00 | 1115 | 1 | 0 | 2022 | Р | 3.50 | 15377 |
| 3 | 2023 | С | 7.00 | 1115 | 6 | 3 | 2022 | Р | 3.50 | 15371 |
| 2 | 2023 | С | 7.00 | 1100 | ç | | 2022 | Р | 2.50 | 15366 |
| 5 | 2022 | Р | 6.30 | 1039 | - | | 2023 | С | 5.00 | 15302 |
| 5 | 2022 | С | 7.75 | 1037 | | | 2022 | Ċ | 8.00 | 15297 |
| 3 | 2023 | С | 1.00 | 1000 | (| | 2022 | P | 3.75 | 15066 |
| 3 | 2023 | P | 1.00 | 1000 | ç | | 2022 | Р | 2.75 | 14933 |
| 10 | 2022 | Р | 5.00 | 959 | | 0 | 2022 | Р | 2.00 | 14700 |
| 6 | 2022 | C | 7.00 | 927 | · | | 2022 | r P | 3.50 | 14384 |
| 7 | 2022 | P | 4.00 | 903 | 1 | | 2022 | Ċ | 6.00 | 13959 |
| 4 | 2023 | P | 4.00 | 900 | | 5 | 2022 | C | 3.00 | 13733 |
| 5 | 2023 | r P | 4.00 | 900 | | 0 | 2022 | C | 7.00 | 13670 |
| 6 | 2023 | P | 4.00 | 900 | (| | 2022 | P | 7.00 <u>5</u> .5 | 13643.5 |
| U | 2020 | I. | 7.00 | 300 | , | , | 2022 | Source | e: CME, ICE | 13043.3 |



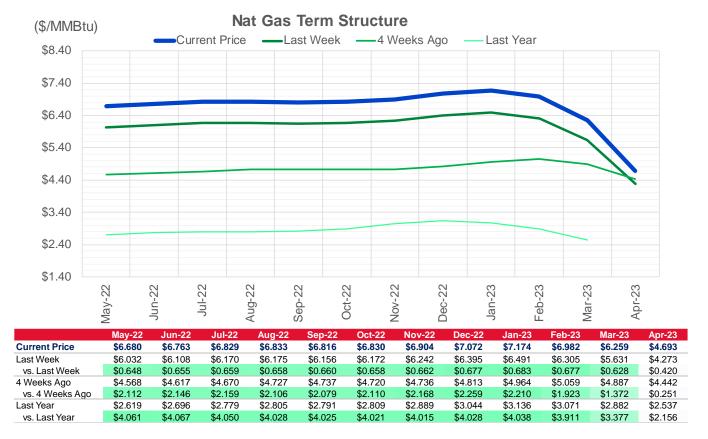
Nat Gas Futures Open Interest

CME and ICE Combined

| CME Henry I | Hub Futures (1 | 0,000 MMBt | u) | ICE Henry I | Hub Futures Con | tract Equiva | alent (10,000 MM |
|-------------|----------------|------------|--------------|-------------|-----------------|--------------|------------------|
| | Current | Prior | Daily Change | | Current | Prior | Daily Change |
| MAY 22 | 86257 | 109040 | -22783 | MAY 22 | 78615 | 77586 | 1029 |
| JUN 22 | 120100 | 114628 | 5472 | JUN 22 | 64925 | 64593 | 332 |
| JUL 22 | 155105 | 143740 | 11365 | JUL 22 | 79377 | 77392 | 1985 |
| AUG 22 | 54169 | 51913 | 2256 | AUG 22 | 62066 | 61631 | 435 |
| SEP 22 | 82587 | 82423 | 164 | SEP 22 | 65116 | 64834 | 283 |
| OCT 22 | 99465 | 96359 | 3106 | OCT 22 | 75226 | 74518 | 708 |
| NOV 22 | 41955 | 41628 | 327 | NOV 22 | 54436 | 53799 | 637 |
| DEC 22 | 45532 | 44884 | 648 | DEC 22 | 60005 | 59326 | 679 |
| JAN 23 | 64447 | 64042 | 405 | JAN 23 | 68917 | 68456 | 461 |
| FEB 23 | 21507 | 20947 | 560 | FEB 23 | 47477 | 47368 | 110 |
| MAR 23 | 42456 | 42113 | 343 | MAR 23 | 53114 | 53324 | -211 |
| APR 23 | 54547 | 54672 | -125 | APR 23 | 52042 | 51659 | 383 |
| MAY 23 | 52669 | 52145 | 524 | MAY 23 | 46009 | 45492 | 517 |
| JUN 23 | 22487 | 22579 | -92 | JUN 23 | 43677 | 43472 | 205 |
| JUL 23 | 17068 | 17037 | 31 | JUL 23 | 43393 | 43085 | 308 |
| AUG 23 | 14707 | 14543 | 164 | AUG 23 | 43176 | 42820 | 356 |
| SEP 23 | 17952 | 17908 | 44 | SEP 23 | 42858 | 42555 | 303 |
| OCT 23 | 35660 | 34924 | 736 | OCT 23 | 49789 | 48836 | 953 |
| NOV 23 | 12413 | 12129 | 284 | NOV 23 | 42019 | 41860 | 158 |
| DEC 23 | 14660 | 14002 | 658 | DEC 23 | 39229 | 37973 | 1256 |
| JAN 24 | 22747 | 22712 | 35 | JAN 24 | 35610 | 35927 | -317 |
| FEB 24 | 4966 | 5053 | -87 | FEB 24 | 24980 | 24363 | 617 |
| MAR 24 | 15551 | 15820 | -269 | MAR 24 | 30530 | 30806 | -276 |
| APR 24 | 11169 | 11078 | 91 | APR 24 | 24481 | 23762 | 720 |
| MAY 24 | 5008 | 4908 | 100 | MAY 24 | 24241 | 23941 | 300 |
| JUN 24 | 1750 | 1744 | 6 | JUN 24 | 21355 | 21124 | 231 |
| JUL 24 | 1773 | 1746 | 27 | JUL 24 | 21126 | 20918 | 208 |
| AUG 24 | 3044 | 3036 | 8 | AUG 24 | 22123 | 22472 | -349 |
| SEP 24 | 1380 | 1369 | 11 | SEP 24 | 21028 | 20836 | 193 |
| OCT 24 | 7026 | 7026 | 0 | OCT 24 | 22876 | 22677 | 199 |







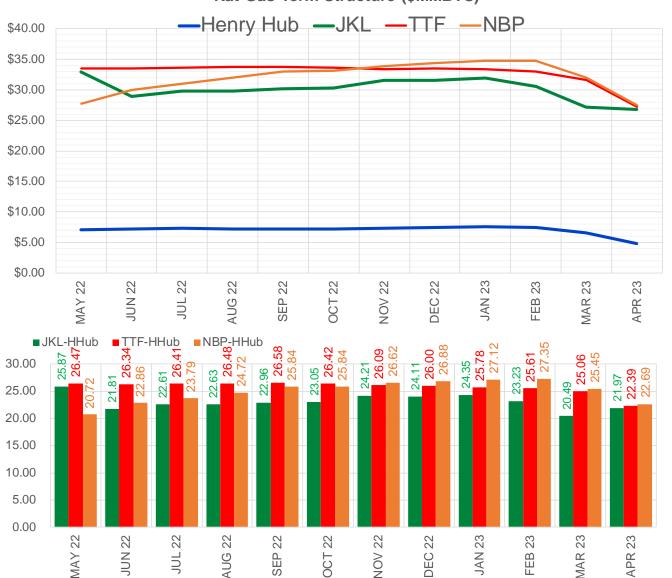
| | | Cash | Prompt | Cash to |
|-----------------------|----------|---------|--------|---------|
| | Units | Settled | Settle | Prompt |
| AGT Citygate | \$/MMBtu | 5.85 | 5.50 | -0.35 |
| TETCO M3 | \$/MMBtu | 6.15 | 5.51 | -0.64 |
| FGT Zone 3 | \$/MMBtu | 6.22 | 6.14 | -0.08 |
| Zone 6 NY | \$/MMBtu | 6.22 | 5.38 | -0.84 |
| Chicago Citygate | \$/MMBtu | 6.66 | 5.89 | -0.78 |
| Michcon | \$/MMBtu | 6.62 | 5.89 | -0.73 |
| Columbia TCO Pool | \$/MMBtu | 6.27 | 5.51 | -0.76 |
| Ventura | \$/MMBtu | 6.10 | 5.75 | -0.35 |
| Rockies/Opal | \$/MMBtu | 6.63 | 5.55 | -1.08 |
| El Paso Permian Basin | \$/MMBtu | 5.99 | 5.17 | -0.82 |
| Socal Citygate | \$/MMBtu | 6.91 | 5.64 | -1.27 |
| Malin | \$/MMBtu | 6.66 | 5.61 | -1.05 |
| Houston Ship Channel | \$/MMBtu | 6.58 | 5.94 | -0.64 |
| Henry Hub Cash | \$/MMBtu | 6.68 | 5.77 | -0.91 |
| AECO Cash | C\$/GJ | 6.07 | 4.72 | -1.35 |
| Station2 Cash | C\$/GJ | 6.18 | 5.36 | -0.82 |
| Dawn Cash | C\$/GJ | 6.69 | 5.86 | -0.83 |

Source: CME, Bloomberg

| | | | | | VS | s. 4 Weeks | | |
|-------------------------|--------------|----------------------|-----|-----------|------------|------------|----|-------------|
| | Units | Current Price | vs. | Last Week | V S | Ago | VS | . Last Year |
| NatGas Jul21/Oct21 | \$/MMBtu | 2.224 | | 0.000 | | 0.000 | | 2.190 |
| NatGas Oct21/Nov21 | \$/MMBtu | 0.361 | | 0.000 | | 0.000 | | 0.280 |
| NatGas Oct21/Jan22 | \$/MMBtu | -1.817 | | 0.000 | | 0.000 | _ | -2.138 |
| NatGas Apr22/Oct22 | \$/MMBtu | 1.827 | | 0.986 | | 1.690 | | 1.795 |
| WTI Crude | \$/Bbl | 104.25 | | 8.020 | | 9.210 | | 41.100 |
| Brent Crude | \$/Bbl | 108.78 | | 7.710 | | 10.760 | | 42.200 |
| Fuel Oil, NY Harbour 1% | \$/Bbl | 97.18 | | 0.000 | | 0.000 | | 0.000 |
| Heating Oil | cents/Gallon | 371.84 | | 37.320 | | 61.830 | | 182.840 |
| Propane, Mt. Bel | cents/Gallon | 1.33 | | 0.039 | • | -0.036 | | 0.516 |
| Ethane, Mt. Bel | cents/Gallon | 0.50 | | 0.025 | | 0.085 | | 0.271 |
| Coal, PRB | \$/MTon | 12.30 | | 0.000 | | 0.000 | | 0.000 |
| Coal, PRB | \$/MMBtu | 0.70 | | | | | | |
| Coal, ILB | \$/MTon | 31.05 | | 0.000 | | 0.000 | | 0.000 |
| Coal, ILB | \$/MMBtu | 1.32 | | | | | | |



Nat Gas Term Structure (\$MMBTU)



| | MAY 22 | JUN 22 | JUL 22 | AUG 22 | SEP 22 | OCT 22 | NOV 22 | DEC 22 | JAN 23 | FEB 23 | MAR 23 | APR 23 |
|-----------|----------|----------|----------|----------|----------|----------|----------|---------------|----------|----------|----------|----------|
| Henry Hub | \$7.058 | \$7.176 | \$7.259 | \$7.250 | \$7.241 | \$7.250 | \$7.326 | \$7.499 | \$7.611 | \$7.399 | \$6.628 | \$4.796 |
| JKL | \$32.925 | \$28.985 | \$29.865 | \$29.875 | \$30.205 | \$30.295 | \$31.535 | \$31.605 | \$31.965 | \$30.625 | \$27.120 | \$26.765 |
| JKL-HHub | \$25.867 | \$21.809 | \$22.606 | \$22.625 | \$22.964 | \$23.045 | \$24.209 | \$24.106 | \$24.354 | \$23.226 | \$20.492 | \$21.969 |
| TTF | \$33.528 | \$33.516 | \$33.672 | \$33.730 | \$33.825 | \$33.668 | \$33.420 | \$33.494 | \$33.395 | \$33.006 | \$31.686 | \$27.183 |
| TTF-HHub | \$26.470 | \$26.340 | \$26.413 | \$26.480 | \$26.584 | \$26.418 | \$26.094 | \$25.995 | \$25.784 | \$25.607 | \$25.058 | \$22.387 |
| NBP | \$27.778 | \$30.035 | \$31.048 | \$31.968 | \$33.076 | \$33.085 | \$33.948 | \$34.376 | \$34.729 | \$34.745 | \$32.073 | \$27.487 |
| NBP-HHub | \$20.720 | \$22.859 | \$23.789 | \$24.718 | \$25.835 | \$25.835 | \$26.622 | \$26.877 | \$27.118 | \$27.346 | \$25.445 | \$22.691 |



