



Fixed Income Group A Division of RJ O'Brien

## The Missile

[www.fixedincomegroup.com](http://www.fixedincomegroup.com)

On Bloomberg:  
WECO <go>  
Economic Releases

| 9 <GO> to Save as Default  |             |   |   |   |   |        |         |        |               |
|--|-------------|---|---|---|---|--------|---------|--------|---------------|
| 1) Calendars 2) Alerts 3) Export 4) Settings Economic Calendars  |             |   |   |   |   |        |         |        |               |
| United States Browse 13:35:38 01/18/23 - 01/24/23  |             |   |   |   |   |        |         |        |               |
| Economic Releases All Economic Releases View Agenda Weekly   |             |   |   |   |   |        |         |        |               |
| Date   | Time        | A | M | R | Event                                   | Period | Surv(M) | Actual | Prior Revised |
| 21)  | 01/17 07:30 |   |   |   | Empire Manufacturing                    | Jan    | -8.7    | -32.9  | -11.2         |
| 22)  | 01/18 06:00 |   |   |   | MBA Mortgage Applications               | Jan 13 | --      | --     | 1.2%          |
| 23)  | 01/18 07:30 |   |   |   | New York Fed Services Business Activity | Jan    | --      | --     | -17.6         |
| 24)  | 01/18 07:30 |   |   |   | Retail Sales Advance MoM                | Dec    | -0.9%   | --     | -0.6%         |
| 25)  | 01/18 07:30 |   |   |   | Retail Sales Ex Auto MoM                | Dec    | -0.5%   | --     | -0.2%         |
| 26)  | 01/18 07:30 |   |   |   | Retail Sales Ex Auto and Gas            | Dec    | 0.0%    | --     | -0.2%         |
| 27)  | 01/18 07:30 |   |   |   | Retail Sales Control Group              | Dec    | -0.3%   | --     | -0.2%         |
| 28)  | 01/18 07:30 |   |   |   | PPI Final Demand MoM                    | Dec    | -0.1%   | --     | 0.3%          |
| 29)  | 01/18 07:30 |   |   |   | PPI Ex Food and Energy MoM              | Dec    | 0.1%    | --     | 0.4%          |
| 30)  | 01/18 07:30 |   |   |   | PPI Ex Food, Energy, Trade MoM          | Dec    | 0.2%    | --     | 0.3%          |
| 31)  | 01/18 07:30 |   |   |   | PPI Final Demand YoY                    | Dec    | 6.8%    | --     | 7.4%          |
| 32)  | 01/18 07:30 |   |   |   | PPI Ex Food and Energy YoY              | Dec    | 5.6%    | --     | 6.2%          |
| 33)  | 01/18 07:30 |   |   |   | PPI Ex Food, Energy, Trade YoY          | Dec    | 4.6%    | --     | 4.9%          |
| 34)  | 01/18 08:15 |   |   |   | Industrial Production MoM               | Dec    | -0.1%   | --     | -0.2%         |
| 35)  | 01/18 08:15 |   |   |   | Capacity Utilization                    | Dec    | 79.5%   | --     | 79.7%         |
| 36)  | 01/18 08:15 |   |   |   | Manufacturing (SIC) Production          | Dec    | -0.2%   | --     | -0.6%         |
| 37)  | 01/18 09:00 |   |   |   | Business Inventories                    | Nov    | 0.4%    | --     | 0.3%          |
| 38)  | 01/18 09:00 |   |   |   | NAHB Housing Market Index               | Jan    | 31      | --     | 31            |
| 39)  | 01/18 13:00 |   |   |   | Federal Reserve Releases Beige Book     |        |         |        |               |
| 40)  | 01/18 15:00 |   |   |   | Net Long-term TIC Flows                 | Nov    | --      | --     | \$67.8b       |
| 41)  | 01/18 15:00 |   |   |   | Total Net TIC Flows                     | Nov    | --      | --     | \$179.9b      |
| 42)  | 01/19 07:30 |   |   |   | Housing Starts                          | Dec    | 1358k   | --     | 1427k         |
| 43)  | 01/19 07:30 |   |   |   | Building Permits                        | Dec    | 1368k   | --     | 1342k 1351k   |
| 44)  | 01/19 07:30 |   |   |   | Housing Starts MoM                      | Dec    | -4.8%   | --     | -0.5%         |
| 45)  | 01/19 07:30 |   |   |   | Building Permits MoM                    | Dec    | 1.2%    | --     | -11.2% -10.6% |
| 46)  | 01/19 07:30 |   |   |   | Philadelphia Fed Business Outlook       | Jan    | -11.0   | --     | -13.8 -13.7   |
| Australia 61 2 9777 8600 Brazil 5511 2395 9000 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  |             |   |   |   |   |        |         |        |               |
| Japan 81 3 4565 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2023 Bloomberg Finance L.P. SN 848773 CST GMT-6:00 H654-596-171 17-Jan-2023 13:35:36 |             |   |   |   |   |        |         |        |               |

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Fed Speak (All times are CST)  
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| 1) Calendars 2) Alerts 3) Export 4) Settings Economic Calendars |             |                   |                    |                     |   |        |         |        |               |
|---|-------------|-------------------|--------------------|---------------------|---|--------|---------|--------|---------------|
| United States   |             | Browse            | 13:39:06           | 01/18/23 - 06/05/23 |   |        |         |        |               |
| Central Banks   |             | All Central Banks | View Agenda Weekly |                     |   |        |         |        |               |
| Date  | Time        | A                 | M                  | R                   | Event   | Period | Surv(M) | Actual | Prior Revised |
| 21)   | 01/18 08:00 |                   |                    |                     | Fed's Bostic Makes Welcoming Remarks at Academic Conference |        |         |        |               |
| 22)   | 01/18 13:00 |                   |                    |                     | Federal Reserve Releases Beige Book                         |        |         |        |               |
| 23)   | 01/18 13:00 |                   |                    |                     | Fed's Harker Discusses the Economic Outlook                 |        |         |        |               |
| 24)   | 01/18 16:00 |                   |                    |                     | Fed's Logan Gives Speech in Austin                          |        |         |        |               |
| 25)   | 01/19 08:00 |                   |                    |                     | Fed's Collins Speaks at Housing Conference                  |        |         |        |               |
| 26)   | 01/19 12:15 |                   |                    |                     | Fed's Brainard Discusses the Economic Outlook               |        |         |        |               |
| 27)   | 01/19 17:35 |                   |                    |                     | Fed's Williams Speaks at Event in New York                  |        |         |        |               |
| 28)   | 01/20 08:00 |                   |                    |                     | Fed's Harker Discusses the Economic Outlook                 |        |         |        |               |
| 29)   | 01/20 12:00 |                   |                    |                     | Fed's Waller Speaks at the Council on Foreign Relations     |        |         |        |               |
| 30)   | 02/01 13:00 |                   |                    |                     | FOMC Rate Decision (Lower Bound)                            | Feb 1  | 4.50%   | --     | 4.25%         |
| 31)   | 02/01 13:00 |                   |                    |                     | FOMC Rate Decision (Upper Bound)                            | Feb 1  | 4.75%   | --     | 4.50%         |
| 32)   | 02/01 13:30 |                   |                    |                     | Fed Chair Holds Press Conference Following FOMC Meeting     |        |         |        |               |
| 33)   | 02/08 08:15 |                   |                    |                     | Fed's Williams Interviewed at WSJ Live Event                |        |         |        |               |
| 34)   | 02/16 07:45 |                   |                    |                     | Fed's Mester Speaks at Global Interdependence Center Event  |        |         |        |               |
| 35)   | 02/22 13:00 |                   |                    |                     | FOMC Meeting Minutes  | Feb 1  | --      | --     | --            |
| 36)   | 03/21 09:00 |                   |                    |                     | FOMC Begins Two-Day Meeting                                 |        |         |        |               |
| 37)   | 03/22 13:00 |                   |                    |                     | FOMC Rate Decision (Upper Bound)                            | Mar 22 | 5.00%   | --     | --            |
| 38)   | 03/22 13:00 |                   |                    |                     | FOMC Concludes Two-Day Meeting                              |        |         |        |               |
| 39)   | 03/22 13:00 |                   |                    |                     | FOMC Rate Decision (Lower Bound)                            | Mar 22 | 4.75%   | --     | --            |
| 40)   | 03/22 13:30 |                   |                    |                     | Fed Chair Holds Press Conference Following FOMC Meeting     |        |         |        |               |
| 41)   | 04/12 13:00 |                   |                    |                     | FOMC Meeting Minutes  | Mar 22 | --      | --     | --            |
| 42)   | 04/20 07:45 |                   |                    |                     | Fed's Waller Speaks at Global Interdependence Center Event  |        |         |        |               |
| 43)   | 05/02 09:00 |                   |                    |                     | FOMC Begins Two-Day Meeting                                 |        |         |        |               |
| 44)   | 05/03 13:00 |                   |                    |                     | FOMC Rate Decision (Upper Bound)                            | May 3  | 5.25%   | --     | --            |
| 45)   | 05/03 13:00 |                   |                    |                     | FOMC Concludes Two-Day Meeting                              |        |         |        |               |
| 46)   | 05/03 13:00 |                   |                    |                     | FOMC Rate Decision (Lower Bound)                            | May 3  | 5.00%   | --     | --            |

Australia 61 2 9777 8600 Brazil 5511 2395 9000 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 4565 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2023 Bloomberg Finance L.P.  
SN 848773 CST GMT-6:00 H654-596-168 17-Jan-2023 13:39:06

They Said it:

**THE WORLD IS SMOLDERING.** How many more must die before we force a negotiated settlement? Where is leadership?

## December Retail Sales Report to Show How Consumers Weathered Holiday Season

[https://www.wsj.com/articles/us-economy-retail-sales-december-2022-11673990047?mod=hp\\_lead\\_pos1](https://www.wsj.com/articles/us-economy-retail-sales-december-2022-11673990047?mod=hp_lead_pos1)

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High inflation and rising borrowing costs caused some households to pull back late last year, and retailers said the recently completed holiday shopping season turned out to be weaker than expected. [Macy's Inc. warned of softer sales](#), and [Lululemon Athletica Inc. said its profit margins were squeezed](#) as shoppers bought more items on sale. Broadly, discounting became more commonplace. Signs of a late-year cooling in demand came after shoppers spent at a strong rate in most of 2022, powered by a robust labor market, pent-up demand for services and savings from pandemic stimulus funds.

Retail sales, a measure of spending at stores, online and in restaurants, declined by a seasonally adjusted 0.6% in November, the Commerce Department said last month. The department is scheduled to release December retail figures at 8:30 a.m. ET Wednesday.

### **Little-Known Surveillance Program Captures Money Transfers Between U.S. and More Than 20 Countries**

[https://www.wsj.com/articles/little-known-surveillance-program-captures-money-transfers-between-u-s-and-more-than-20-countries-11674019904?mod=hp\\_lead\\_pos2](https://www.wsj.com/articles/little-known-surveillance-program-captures-money-transfers-between-u-s-and-more-than-20-countries-11674019904?mod=hp_lead_pos2)

The database, housed at a little-known nonprofit called the Transaction Record Analysis Center, or TRAC, was set up by the Arizona state attorney general's office in 2014 as part of a settlement reached with [Western Union](#) to combat [cross-border trafficking of drugs](#) and people from Mexico. It has since expanded to allow officials of more than 600 law-enforcement entities—from federal agencies such as the Federal Bureau of Investigation, the Drug Enforcement Administration, and Immigration and Customs Enforcement to small-town police departments in nearly every state—to monitor the flow of funds through money services between the U.S. and countries around the world.

### **Bank of Japan Governor Digs In for Standoff With Markets**

[https://www.wsj.com/articles/bank-of-japan-governor-digs-in-for-standoff-with-markets-11674045125?mod=hp\\_lead\\_pos4](https://www.wsj.com/articles/bank-of-japan-governor-digs-in-for-standoff-with-markets-11674045125?mod=hp_lead_pos4)

The [Bank of Japan's](#) governor expressed confidence that he could prevail in [a standoff with markets](#) over his cap on government bond yields, but some analysts remained skeptical.

The bank on Wednesday dashed market expectations for another policy change and maintained its cap for the yield on 10-year Japanese government bonds at 0.5% after it [raised the ceiling](#) on Dec. 20 from 0.25%.

### **Blackstone CEO Schwarzman Says US Needs New Generation of Political Leaders**

<https://www.bloomberg.com/news/articles/2023-01-18/schwarzman-says-us-needs-new-generation-of-political-leaders?srnd=premium&sref=k5DuN3at>

[Blackstone Inc.](#) Chief Executive Officer Steve Schwarzman said the US needs a new raft of leaders in both political parties.

"I think we need to move on for both parties to the next generation of leaders," Schwarzman, 75, said in an interview with Bloomberg's Wall Street Week at the World Economic Forum in Davos. "I think it's important that, you know, particularly on the Republican side. We've had a series of four losses in a row: the 2018 mid-terms, the presidential in 2020, the special Georgia election which actually was in 2021, the mid-terms in 2022. I think the public has spoken and would like to see a change."

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## **Helicopter Crash Kills 18 People Near Kyiv**

<https://www.bloomberg.com/news/articles/2023-01-18/ukraine-latest-zelenskiy-vows-to-reinforce-air-defense?srnd=premium&sref=k5DuN3at>

Eighteen people, including Ukraine's Interior Minister Denys Monastyrsky, died in a helicopter crash in the town of Brovary near the Ukrainian capital Kyiv, authorities said.

The emergency services helicopter went down near a kindergarten and a multistory apartment building. The fatalities included three children, and 29 other people were injured.

Russian Foreign Minister Sergei Lavrov said Moscow has not seen any "serious" proposals from the West to end the war in Ukraine. Russia isn't willing to negotiate with President Volodymyr Zelenskiy, he said at his annual press conference.

Ukraine can now rely on three Patriot batteries that will significantly bolster air-defense, but the country is weighing steps to reinforce it further, Zelenskiy said. He praised Dutch Prime Minister Mark Rutte for pledging to provide Ukraine with another Patriot system, which can shoot down missiles.

## **Aramco chief warns of possible oil supply shortages, as Chinese demand set to surge**

<https://www.cnbc.com/2023/01/18/aramco-chief-warns-of-oil-supply-shortages-as-chinese-demand-to-surge.html>

Current market dynamics — such as China's slowdown and an aviation sector that is still recovering from the Covid-19 pandemic — have kept demand relatively subdued, but that is set to change soon. Saudi Aramco CEO Amin Nasser fears the world won't have enough spare capacity to deal with that shift.

"For crude oil, we are in a situation where there is a spare capacity that is helping to mitigate interruptions," Nasser told CNBC's Hadley Gamble. "However, I am not so sure about the mid-to-long term, because as the spare capacity erodes, we will not be having the capability to mitigate any short or long term interruptions like what happened with Russia-Ukraine crisis."

Aramco pumps about 10% of the world's crude oil supply. It has a maximum capacity to pump 12 million barrels of crude per day, Nasser said, and is working on increasing that by a further million barrels per day. Still, he says, "We should be worried about the mid to long term. I think there will be an issue in meeting the growing demand."

## **Putin could be ready to announce a second mobilization drive**

<https://www.cnbc.com/2023/01/18/putin-could-be-ready-to-announce-a-second-mobilization-drive-analysts-say.html>

"Putin may announce a second mobilization wave to expand his army in the coming days— possibly as early as January 18," analysts at the Institute for the Study of War said Tuesday.

Kremlin Spokesperson Dmitry Peskov announced on Tuesday that Putin will deliver a speech in his hometown of St. Petersburg on Wednesday to commemorate the 80th anniversary of Soviet forces breaking the Nazi siege of Leningrad. This could be an apt date to announce such a mobilization, watchers noted.

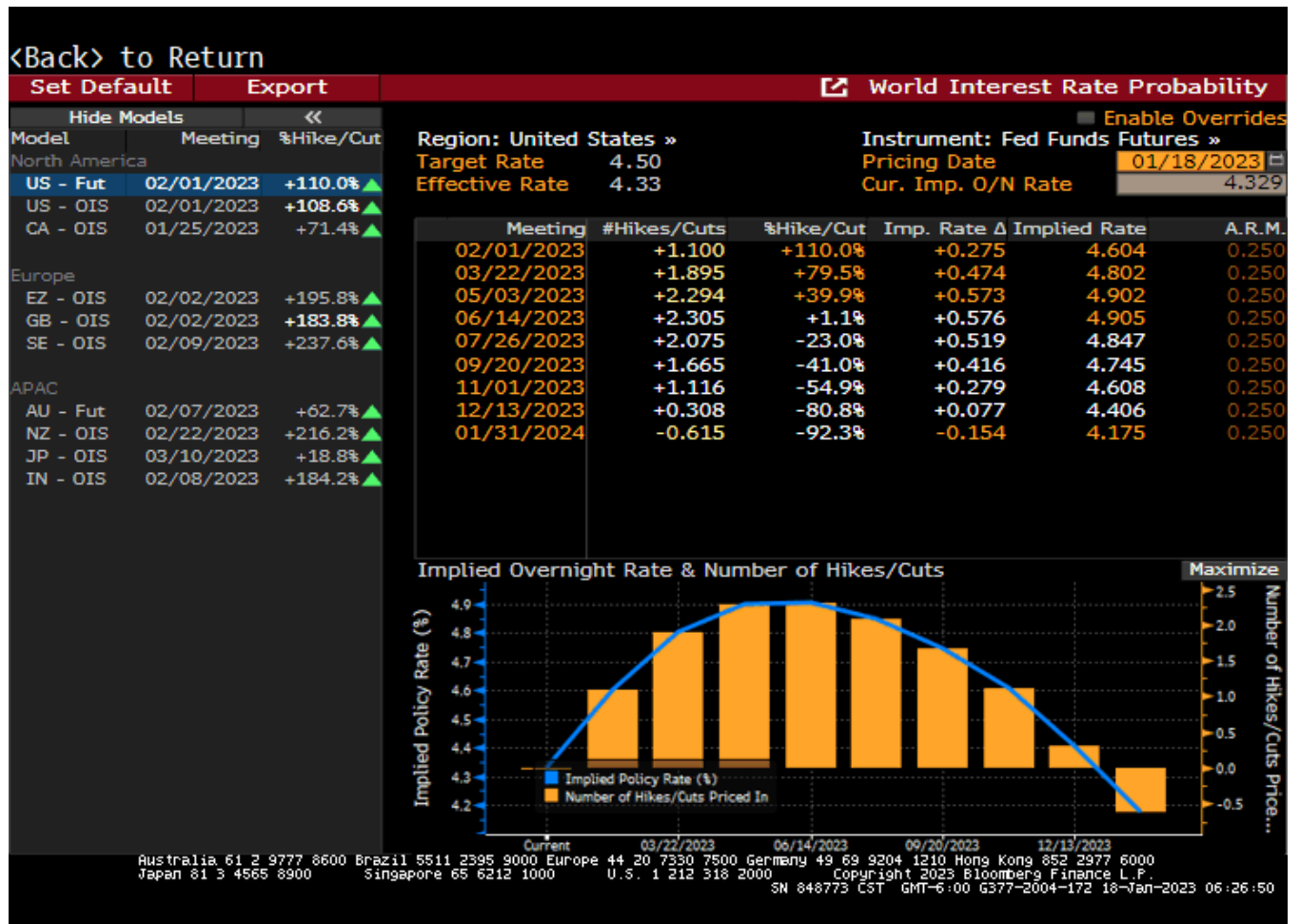
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# Current Implied Probability of Fed Rate Movement (Futures) On Bloomberg: WIRP <go>



## FOMC Projections Materials, Accessible Version

<https://www.federalreserve.gov/monetarypolicy/fomcproptabl20220921.htm>

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### Select STIR Rates

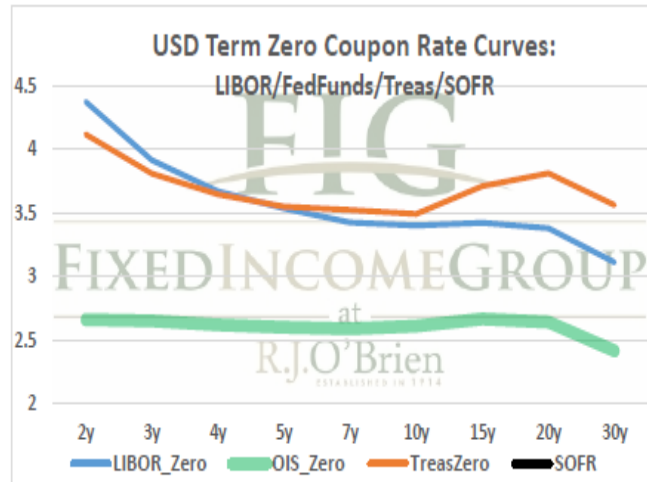
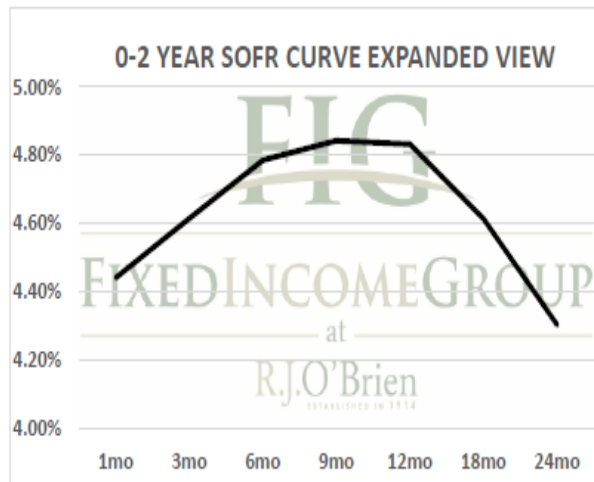
|            | Date    |         | Change   |
|------------|---------|---------|----------|
| SOFR RATES | 1/18/23 | Current |          |
| 1 Month    |         | 4.44138 | 0.00935  |
| 3 Month    |         | 4.61516 | 0.00477  |
| 6 Month    |         | 4.78501 | -0.00396 |
| 12 Month   |         | 4.83232 | -0.02979 |
|            |         |         |          |
| LIBOR      | 1/18/23 | Settle  |          |
| 1 Month    |         | 4.48571 | 0.01571  |
| 3 Month    |         | 4.80771 | 0.01014  |
| 6 Month    |         | 5.10800 | -0.01271 |
| 12 Month   |         | 5.36414 | -0.03086 |
|            |         |         |          |
| BSBY INDEX | 1/18/23 | Settle  |          |
| 1 Month    |         | 4.39059 | 0.00044  |
| 3 Month    |         | 4.70080 | -0.00476 |
| 6 Month    |         | 5.02753 | -0.00890 |
| 12 Month   |         | 5.26865 | -0.01016 |
|            |         |         |          |

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## THE STIR CURVE: Distributed by The Fixed Income Group at RJ O'Brien

Making the change from LIBOR to a new reference rate is not an insignificant exercise. It will take planning and changes to processes and systems. Sonia and SOFR appear likely to offer a few options for users: compounded, setting in arrears (currently used in OIS markets) or a term rate setting in advance like LIBOR. You have questions, we have answers.



**\*\* Futures indicative prices supplied for analytics purposes only. Rates are not intended as a real-time offer to buy or sell.**

| Term SOFR from 1-day Returns |             |            |            |             |             |             |             |
|------------------------------|-------------|------------|------------|-------------|-------------|-------------|-------------|
| 4.44138%                     | 4.61516%    | 4.78501%   | 4.84228%   | 4.83232%    | 4.61368%    | 4.30363%    | 3.90718%    |
| 1.00382452                   | 1.011537892 | 1.02405797 | 1.0367206  | 1.048994348 | 1.070102291 | 1.087387678 | 1.118951876 |
| 1mo                          | 3mo         | 6mo        | 9mo        | 12mo        | 18mo        | 24mo        | 36mo        |
| 1/14/2023                    | 1/14/2023   | 1/14/2023  | 1/14/2023  | 1/14/2023   | 1/14/2023   | 1/14/2023   | 1/14/2023   |
| 2/13/2023                    | 4/13/2023   | 7/13/2023  | 10/13/2023 | 1/13/2024   | 7/13/2024   | 1/13/2025   | 1/13/2026   |
| 31                           | 90          | 181        | 273        | 365         | 547         | 731         | 1096        |
| 1/18/2023 6:41 ct            |             |            |            |             |             |             |             |

**For more information on the Libor replacement, contact:** Rocco Chierici: 312-373-5439 SVP Fixed Income Group at RJO  
Corrine Baynes: 800-367-3349 VP Fixed Income Group at RJO

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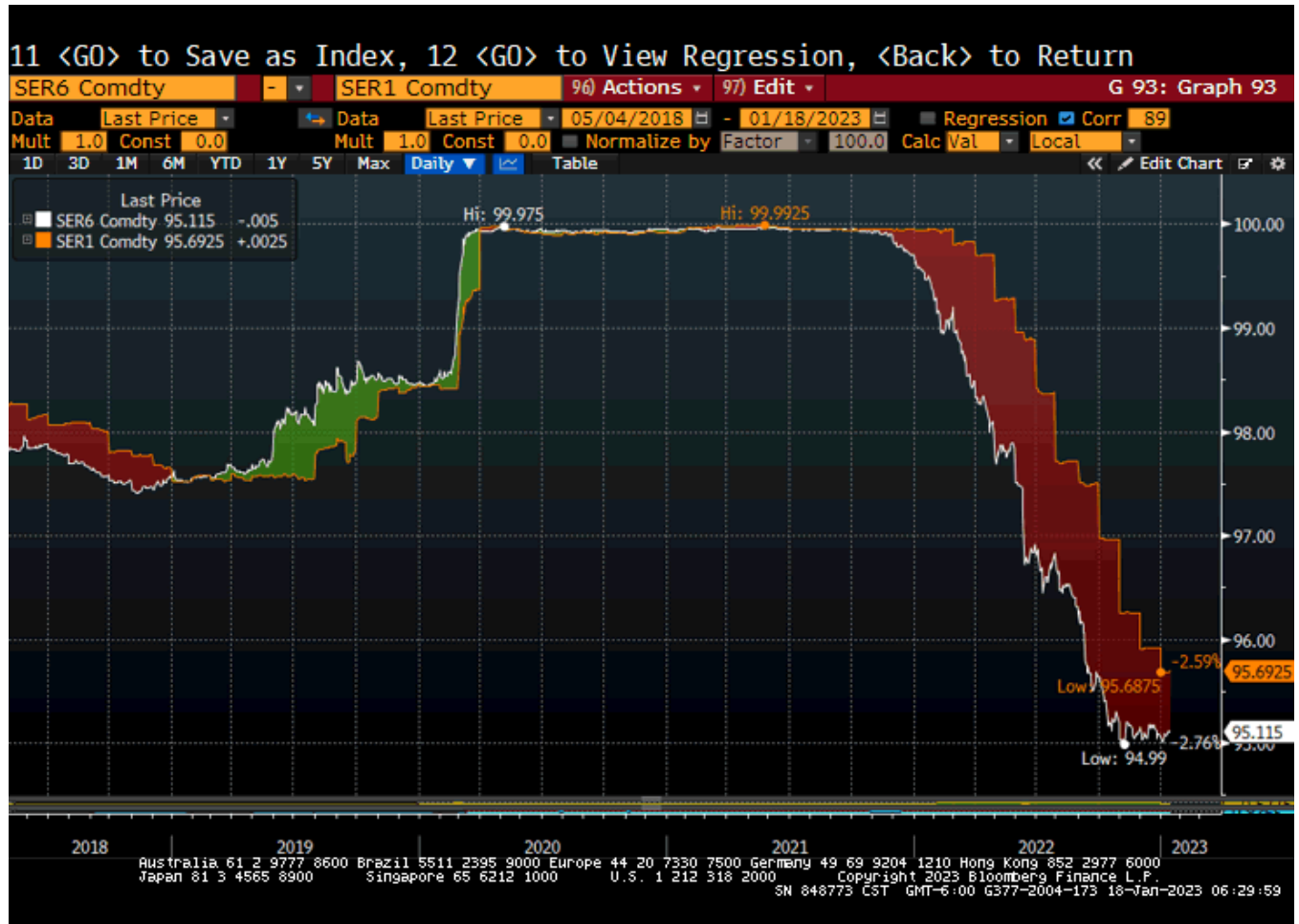
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## Getting Granular

The Fed watches 1-month bills v. 1-month bills 6-months forward.  
Below is a chart of 1-month SOFR v. 1-month SOFR 6-months forward,  
a proxy in futures.



Federal Reserve economists said, watching forward rates relative to those on current Treasury bills has served traders well in the past.  
When the short term forward spread inverts, it indicates easier Fed policy in the near future.

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## US-SWAP curve IRSB <GO>

United States

99) Settings

Interest Rate Swap Rates

Date Range: 12/18/2022 - 01/18/2023 1 Month

40 Semi Swaps 41 Sprs to Gov. 42 FF Swaps 43 SOFR Swap Sprd 44 SOFR Swaps 45 SOFR/FF Basis 46 SOFR/LIBOR ...

USD SemiAnnual 30/360 Swap Rates

Avg Now

| Tenor     | Bid   | Ask   | Mid   | Change | Today | #SD  | Δ/d... | Low   | Range | High  | Avg   | +/-B... | #SD  |
|-----------|-------|-------|-------|--------|-------|------|--------|-------|-------|-------|-------|---------|------|
| 1) 1 YR   | 5.048 | 5.060 | 5.055 | -0.012 |       | -0.3 |        | 4.984 |       | 5.216 | 5.084 | -2.4    | -0.6 |
| 2) 2 YR   | 4.433 | 4.440 | 4.436 | -0.031 |       | -0.3 |        | 4.391 |       | 4.787 | 4.577 | -13.6   | -1.5 |
| 3) 3 YR   | 3.971 | 3.981 | 3.977 | -0.045 |       | -0.4 |        | 3.922 |       | 4.374 | 4.165 | -18.4   | -1.6 |
| 4) 4 YR   | 3.727 | 3.735 | 3.731 | -0.058 |       | -0.4 |        | 3.683 |       | 4.174 | 3.931 | -19.6   | -1.5 |
| 5) 5 YR   | 3.589 | 3.596 | 3.593 | -0.067 |       | -0.5 |        | 3.544 |       | 4.061 | 3.817 | -22.1   | -1.6 |
| 6) 6 YR   | 3.515 | 3.523 | 3.519 | -0.071 |       | -0.5 |        | 3.470 |       | 3.989 | 3.734 | -21.1   | -1.6 |
| 7) 7 YR   | 3.473 | 3.480 | 3.477 | -0.073 |       | -0.5 |        | 3.427 |       | 3.937 | 3.683 | -20.3   | -1.5 |
| 8) 8 YR   | 3.448 | 3.454 | 3.451 | -0.075 |       | -0.6 |        | 3.401 |       | 3.899 | 3.648 | -19.4   | -1.4 |
| 9) 9 YR   | 3.437 | 3.444 | 3.441 | -0.075 |       | -0.6 |        | 3.390 |       | 3.877 | 3.629 | -18.5   | -1.4 |
| 10) 10 YR | 3.437 | 3.441 | 3.439 | -0.075 |       | -0.6 |        | 3.389 |       | 3.866 | 3.619 | -17.8   | -1.4 |
| 11) 15 YR | 3.447 | 3.457 | 3.452 | -0.073 |       | -0.6 |        | 3.403 |       | 3.842 | 3.613 | -15.6   | -1.3 |
| 12) 20 YR | 3.410 | 3.419 | 3.415 | -0.070 |       | -0.6 |        | 3.363 |       | 3.775 | 3.561 | -14.2   | -1.2 |
| 13) 25 YR | 3.308 | 3.315 | 3.311 | -0.069 |       | -0.7 |        | 3.258 |       | 3.652 | 3.436 | -12.2   | -1.2 |
| 14) 30 YR | 3.206 | 3.212 | 3.209 | -0.067 |       | -0.7 |        | 3.156 |       | 3.537 | 3.323 | -11.1   | -1.1 |

Australia 61 2 9777 8600 Brazil 5511 2395 9000 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000 Japan 81 3 4565 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000

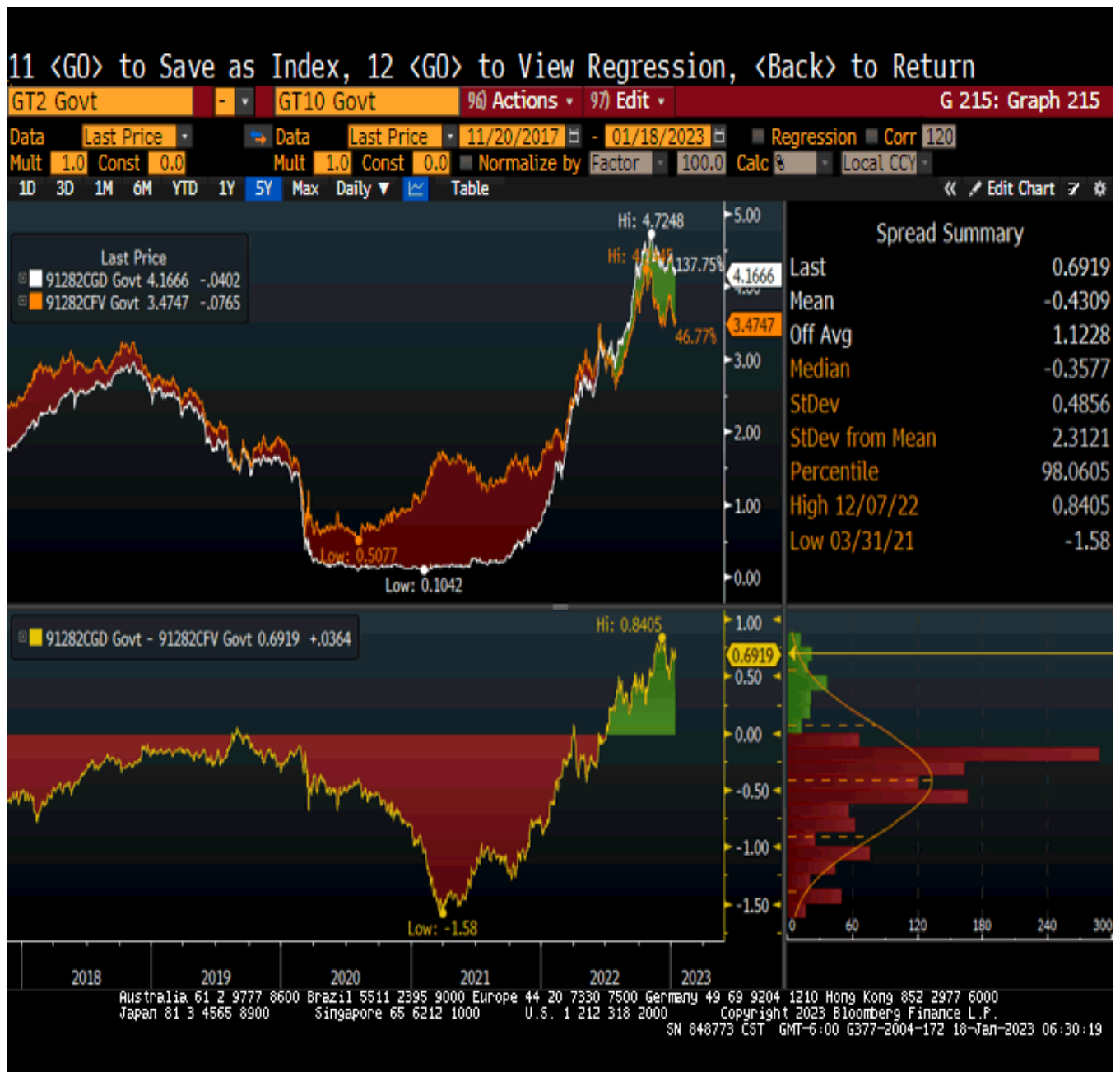
Copyright 2023 Bloomberg Finance L.P.  
SN 846773 CST GMT-6:00 G377-2004-173 18-Jan-2023 06:29:28

Australia 61 2 9777 8600 Brazil 5511 2395 9000 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000  
Japan 81 3 4565 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2023 Bloomberg Finance L.P.  
SN 848773 CST GMT-6:00 G377-2004-173 18-Jan-2023 06:29:28

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## Treasury 2s/10s



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## THE TREND

**EDH3: ^94.94 is the pivot point**

**Above the pivot you should be long, below short.**

**Resistance is at 94.98\*\***

**Support is at 94.94^ and 94.88\*\***

^Pivot Point is a 20-day moving average. \*\* 2-STD Deviations from the pivot point

Position in EDH3 has you long from 96.965 (3/12/23).



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**Ultra 10-year Note (UXYH3): 120-00 is the pivot point.**

Above the pivot you should be long, below short.

Resistance is at **120-00^** and **122-18\*\***

Support is at **117-15\***

^Pivot Point is a 20-day moving average.

\*\* 2-STD Deviations from the pivot point

**Current position had you long UXYH3 from 120-03 (1/6/23)**



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## EQUITIES



The S&P is +14 and the NASDAQ is +50.

Earnings:

[www.moneycentral.msn.com/investor/market/earncalendar](http://www.moneycentral.msn.com/investor/market/earncalendar)

On Bloomberg type in ACDR <GO>

UK

In the UK the FTSE closed +0.08%.

BOE Rate 3.50% (.50% increase).

Next meeting 02/02/23

EU:

The CAC Index closed +0.33%.

The DAX Index closed +0.18%.

ECB Main Refinancing Operations Rate 2.50% (+0.50% increase).

Deposit Facility Rate 2.00%.

Next meeting 02/02/23

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## Japan:

The TOPIX closed +1.68%.

The NIKKEI closed +2.50%.

BOJ Policy Balance Rate **-0.10%** (No Change).

Next meeting 12/20/22

## China:

The Hang Seng closed +0.47%.

The Shanghai Composite closed +0.00%.

## PBOC

Deposit Rate: 1.50%

1 Year Prime Rate: 3.65%

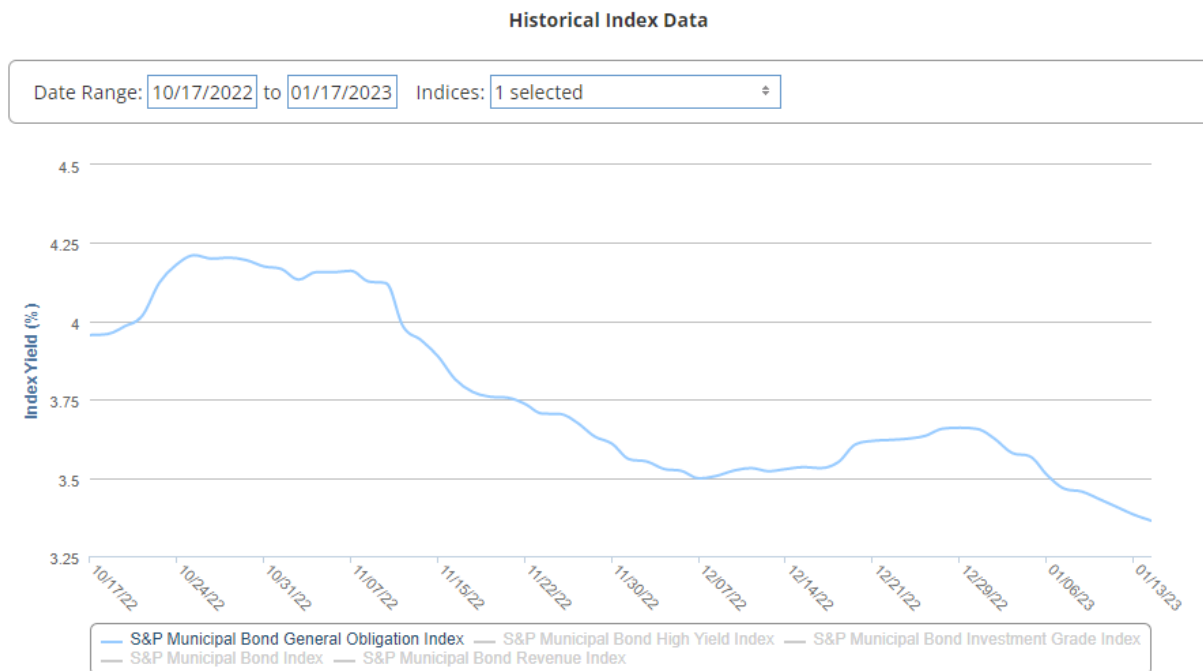
7-Day Repo Rate: 1.7323%

Reserve Requirement Ratio: 11.25%

## Muni IG Curve

The S&P Municipal Bond Index and its sub-indices are market value-weighted and based on bonds that are tax-exempt but may be subject to alternative minimum tax (AMT). Data are available for 12/02/2009 through 09/20/2021.

<https://emma.msrb.org/ToolsAndResources/MBISYieldCurve?daily=False>



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## The Fundamentals

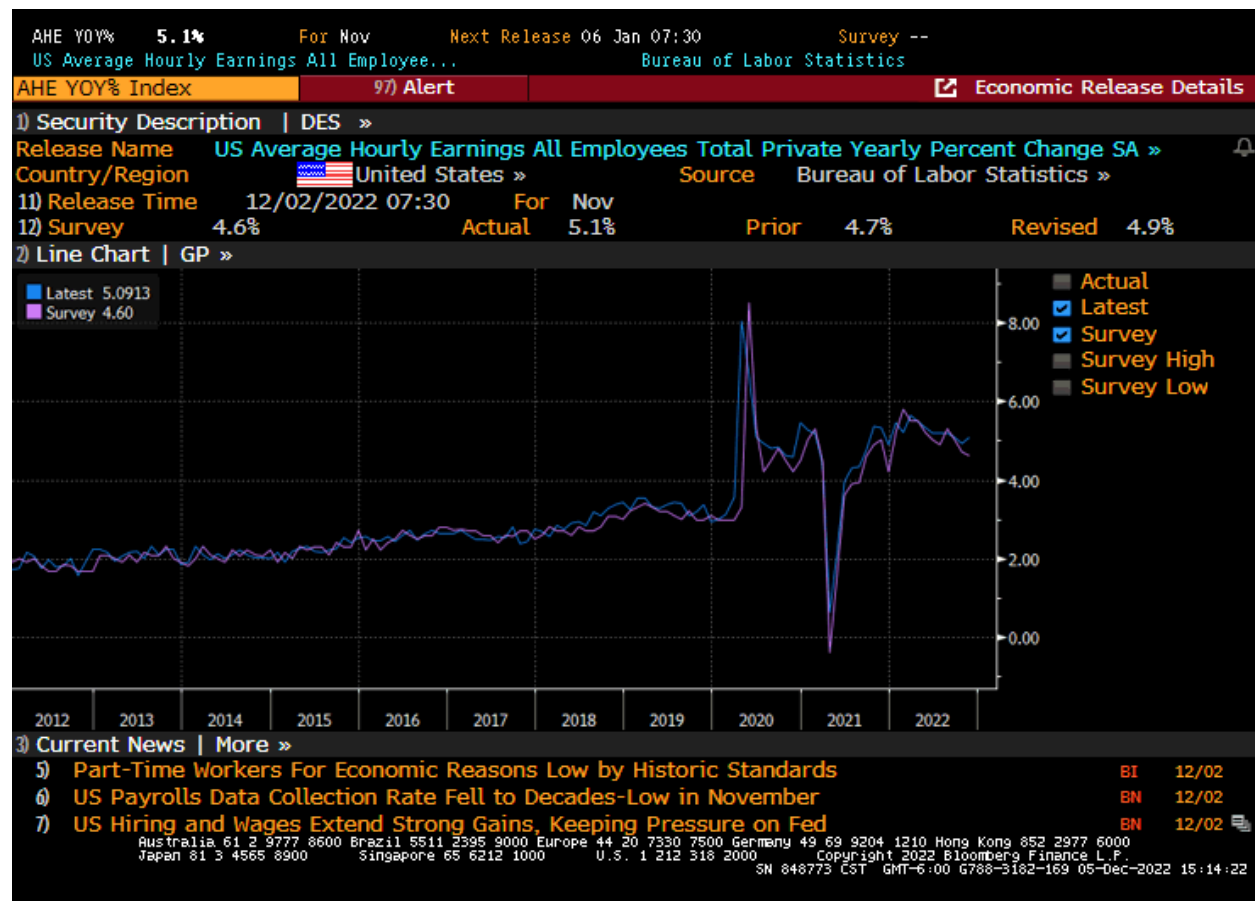
### LABOR

#### Bureau of Labor and Statistics

<http://www.bls.gov/news.release/>

CPI, ECI, Employment situation PPI, CPI, Productivity and Costs, Real Earnings and US import/exports.

#### Average Hourly Earnings y/y Department of Labor Department.



#### Bureau of Labor Statistics

<https://www.bls.gov/web/empsit/cesnaicsrev.htm>

Nonfarm Payroll Employment: Revisions between over-the-month estimates, 1979-present

#### KC Federal Reserve Agricultural Finance Update

DECEMBER 2, 2022

Farm Debt Climbs but Financial Stress Remains Limited

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Farm real estate debt continued to climb and led to a notable increase in agricultural loan balances at commercial banks. The pace of farm loan growth increased further in the third quarter and was faster among agricultural banks than those with less concentrated agricultural lending portfolios. Despite the increases in loan balances, farm finances remained strong and delinquency rates on agricultural loans reached an all-time low. As [interest rates edged higher](#), increases in both agricultural and non-agricultural lending also supported earnings for farm lenders.

[The outlook for the agricultural economy](#) through the end of 2022 was generally positive, but some pressures remained looking ahead to next year. Profit opportunities for most producers across the sector remained favorable and continued to support farm finances. [Agricultural credit conditions](#) also remained strong, but improvement has been more measured in recent months alongside the pressures associated with uncertainty about commodity prices, intense drought and higher expenses. Despite some notable risks, farm finances remained bolstered by strong incomes in recent years and sharp growth in farm real estate values.

<https://www.kansascityfed.org/agriculture/agfinance-updates/farm-debt-climbs-but-financial-stress-remains-limited/>

### **How do Farm Incomes Compare to the average population**

<https://www.ers.usda.gov/faqs/#Q1>

### **Charge-off Delinquency Rates on Loans and Leases at Commercial Banks**

<https://www.federalreserve.gov/releases/chargeoff/delallsa.htm>

### **Baker Hughes Rig Count Overview and Summary Count**

<https://bakerhughesrigcount.gcs-web.com/rig-count-overview?c=79687&p=irol-rigcountsoverview>

### **What is U.S. electricity generation by energy source?**

[https://www.eia.gov/electricity/monthly/epm\\_table\\_grapher.php?t=epmt\\_es1b](https://www.eia.gov/electricity/monthly/epm_table_grapher.php?t=epmt_es1b)

### **Biofuels International**

<https://biofuels-news.com/home/>

### **Renewable Fuels Association**

<http://www.ethanolrfa.org/>

### **How Many Electric Vehicles are on the Road in America**

<https://usafacts.org/articles/how-many-electric-cars-in-united-states/>

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## How do Fuel Cell Electric Vehicles Work Using Hydrogen

<https://afdc.energy.gov/vehicles/how-do-fuel-cell-electric-cars-work>

Trucking 12/23/22

<Back> to Return, 94 <GO> to Hide Navigation

Actions ▾ Directory Export Settings Bloomberg Intelligence

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Logistics Services Dashboard (BI 3PLSG) Global

Research Dashboard Ho... Industry Equity Data Library Market Share Macro Industry Company Analyzer Valuation Contributors Monitor News/Research Events Comp Sheets Markets

Air Airport Ocean Ports U.S. Ex/Im N.A. Surface Mainland China Fuel Survey Results

North America Truck North America Rail

View 12 Week Growth None Currency USD

| Name   | 12/23     | 12/16     | 12/09    | 12/02     | 11/25     | 11/18     |
|--|-----------|-----------|----------|-----------|-----------|-----------|
| Truckstop.com Stats  |           |           |          |           |           |           |
| ▶ Average Market Demand Index (MDI)                          | 45.44     | 41.39     | 37.76    | 43.26     | 23.85     | 35.27     |
| ▶ U.S. Dry-Van Market Demand Index                           | 65.91     | 67.06     | 69.70    | 76.35     | 37.73     | 50.64     |
| ▶ U.S. Flatbed Market Demand Index                           | 46.76     | 43.27     | 35.54    | 44.92     | 24.12     | 36.56     |
| ▶ U.S. Temperature-Controlled Market De...                   | 76.75     | 52.91     | 44.99    | 61.40     | 42.92     | 65.48     |
| ▶ U.S. Specialty Market Demand Index                         | 16.85     | 16.24     | 15.56    | 14.09     | 9.25      | 12.61     |
| Weekly Avg Truckload Rates Inc. Fuel Su...                   |           |           |          |           |           |           |
| ▶ Average Rate Per Mile                                      | 2.621     | 2.451     | 2.438    | 2.500     | 2.499     | 2.528     |
| ▶ Dry-Van Rate Per Mile                                      | 2.360     | 2.183     | 2.183    | 2.237     | 2.212     | 2.137     |
| ▶ Flatbed Rate Per Mile                                      | 2.639     | 2.552     | 2.534    | 2.591     | 2.613     | 2.625     |
| ▶ Temperature Controlled Rate Per Mile                       | 2.859     | 2.474     | 2.498    | 2.650     | 2.679     | 2.727     |
| ▶ Specialized Rate Per Mile                                  | 2.749     | 2.627     | 2.644    | 2.639     | 2.415     | 2.596     |
| U.S. Fuel Surcharge  | 0.60      | 0.63      | 0.66     | 0.69      | 0.71      | 0.72      |
| Weekly average rates are weighted by the # of loads per day. |           |           |          |           |           |           |
| Load Turnaround (minutes)                                    | 267.3     | 257.3     | 274.8    | 346.0     | 212.8     | 218.7     |
| Truck Turnaround (minutes)                                   | 1,071.0   | 1,081.2   | 1,192.7  | 1,603.6   | 682.4     | 743.5     |
| Truckers Looking for Loads                                   | 29.197M   | 38.083M   | 40.042M  | 39.052M   | 24.643M   | 40.176M   |
| Shippers Looking for Truckers                                | 142,249.0 | 139,500.0 | 99,766.0 | 183,459.0 | 105,683.0 | 145,876.0 |
| Truckers' Average Credit Scores                              | 20.8      | 20.7      | 20.7     | 20.7      | 20.7      | 20.8      |
| Source: Truckstop.com  |           |           |          |           |           |           |

Australia 61 2 9777 8600 Brazil 5511 2395 9000 Europe 44 20 7330 7500 Germany 49 69 9204 1210 Hong Kong 852 2977 6000 Japan 81 3 4565 8900 Singapore 65 6212 1000 U.S. 1 212 318 2000 Copyright 2023 Bloomberg Finance L.P. SN 848773 CST GMT-6:00 H604-2462-172 03-Jan-2023 12:00:44

## Rail Traffic

U.S. railroads originated 842,171 carloads in December 2022, down 4.4 percent, or 38,476 carloads, from December 2021. U.S. railroads also originated 900,213 containers and trailers in December 2022, down 5.2 percent, or 49,107 units, from the same month last year. Combined U.S. carload and intermodal originations in December 2022 were 1,742,384, down 4.8 percent, or 87,583 carloads and intermodal units from December 2021.

In December 2022, four of the 20 carload commodity categories tracked by the AAR each month saw carload gains compared with December 2021. These included: motor vehicles & parts, up 5,842 carloads or 12.9 percent; crushed stone, sand & gravel, up 2,034 carloads or 3 percent; and food products, up 721 carloads or 3.2 percent. Commodities that saw declines in December 2022 from December 2021 included: chemicals, down 16,067 carloads or 12.1 percent; coal, down 12,991 carloads or 5.2 percent; and grain, down 4,589 carloads or 5.2 percent.

“Rail markets are always evolving, and 2022 was no exception,” said AAR Senior Vice President John T. Gray. “Coal carloads grew solidly in 2022 largely because higher natural gas

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prices made coal-fired electricity generation more competitive. However, those same higher natural gas prices, along with other market disruptors, hurt rail chemical volumes, since natural gas is a key raw material for chemical manufacturing. Grain carloads in 2022 were slightly higher than the annual average over the past decade, but they were down year-over-year because 2021 was the best year for grain carloads since 2008. Intermodal volume in 2022 was the sixth best ever, but down from an even stronger 2021.”

Excluding coal, carloads were down 25,485 carloads, or 4 percent, in December 2022 from December 2021. Excluding coal and grain, carloads were down 20,896 carloads, or 3.9 percent. Total U.S. carload traffic for the first 12 months of 2022 was 11,976,283 carloads, down 0.3 percent, or 34,001 carloads, from the same period last year; and 13,452,480 intermodal units, down 4.9 percent, or 686,580 containers and trailers, from last year.

Total combined U.S. traffic for the first 52 weeks of 2022 was 25,428,763 carloads and intermodal units, a decrease of 2.8 percent compared to last year.

### **Week Ending December 31, 2022**

Total U.S. weekly rail traffic was 365,553 carloads and intermodal units, down 6.8 percent compared with the same week last year.

Total carloads for the week ending December 31 were 179,992 carloads, down 12.5 percent compared with the same week in 2021, while U.S. weekly intermodal volume was 185,561 containers and trailers, down 0.5 percent compared to 2021.

One of the 10 carload commodity groups posted an increase compared with the same week in 2021. It was motor vehicles and parts, up 466 carloads, to 9,418. Commodity groups that posted decreases compared with the same week in 2021 included chemicals, down 7,190 carloads, to 25,174; coal, down 6,330 carloads, to 52,863; and nonmetallic minerals, down 3,248 carloads, to 19,853.

North American rail volume for the week ending December 31, 2022, on 12 reporting U.S., Canadian and Mexican railroads totaled 256,632 carloads, down 8 percent compared with the same week last year, and 244,189 intermodal units, down 0.1 percent compared with last year. Total combined weekly rail traffic in North America was 500,821 carloads and intermodal units, down 4.3 percent. North American rail volume for the first 52 weeks of 2022 was 34,897,040 carloads and intermodal units, down 1.9 percent compared with 2021.

Canadian railroads reported 59,380 carloads for the week, up 3.6 percent, and 47,068 intermodal units, down 1.2 percent compared with the same week in 2021. For the first 52 weeks of 2022, Canadian railroads reported cumulative rail traffic volume of 7,516,426 carloads, containers and trailers, down 0.6 percent.

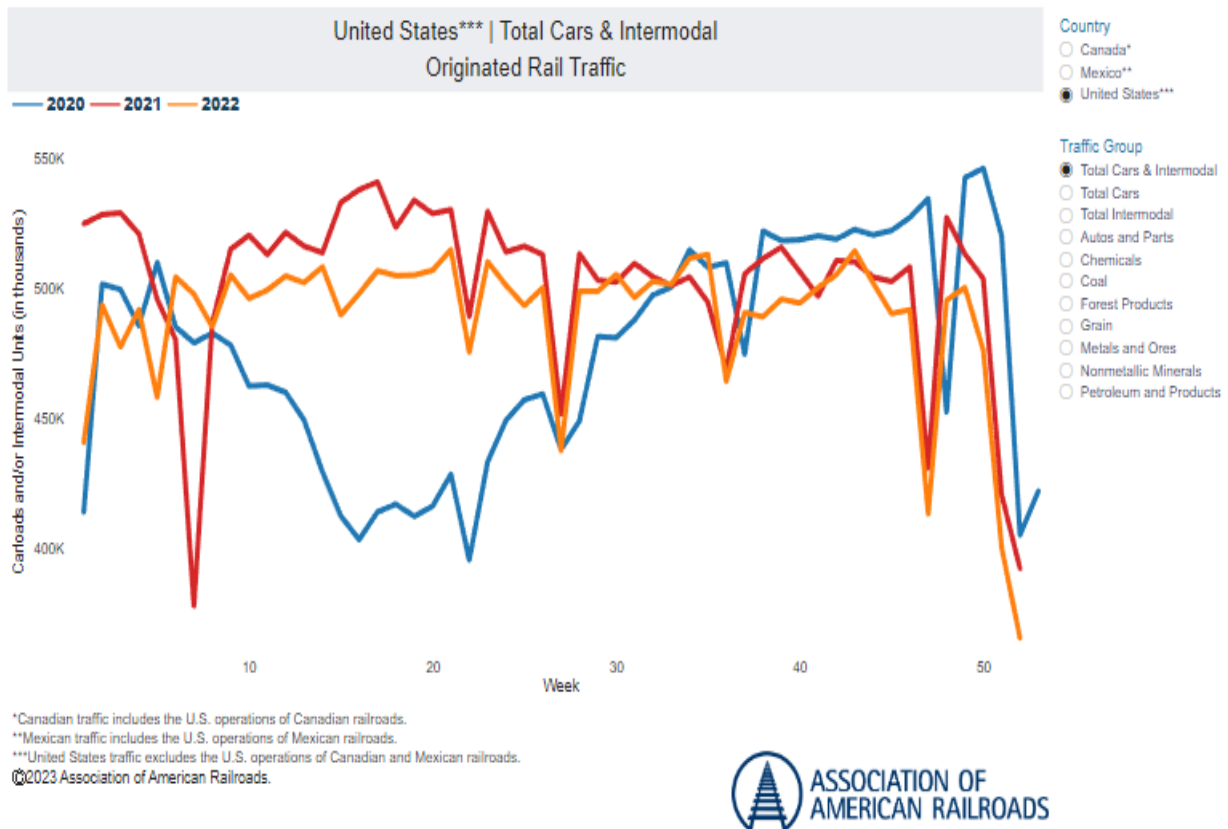
Mexican railroads reported 17,260 carloads for the week, up 9.7 percent compared with the same week last year, and 11,560 intermodal units, up 11.4 percent. Cumulative volume on Mexican railroads for the first 52 weeks of 2022 was 1,951,851 carloads and intermodal containers and trailers, up 4.4 percent from the same point last year.

<https://www.aar.org/news/rail-traffic-for-the-week-ending-december-31-2022/>

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## GDP

U.S. Department of Commerce, Bureau of economic analysis

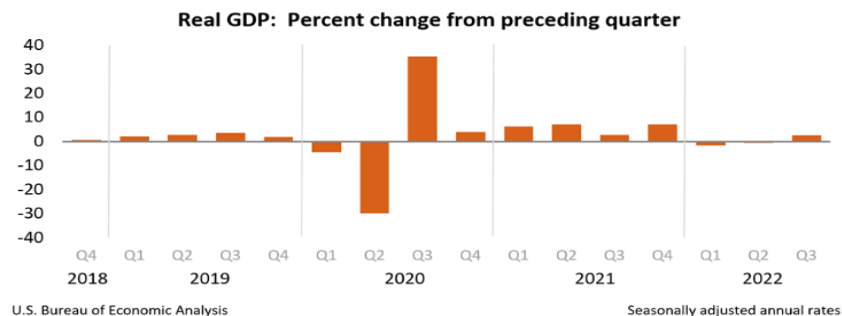
<http://www.bea.gov/newsreleases/national/gdp/gdpnewsrelease.htm>

GDP, Personal Income, Outlays, Consumer Spending, Corporate Profits and Fixed Assets

## Gross Domestic Product, Third Quarter 2022 (Advance Estimate)

**Real gross domestic product (GDP)** increased at an annual rate of 2.6 percent in the third quarter of 2022 (table 1), according to the "advance" estimate released by the Bureau of Economic Analysis. In the second quarter, real GDP decreased 0.6 percent.

The GDP estimate released today is based on source data that are incomplete or subject to further revision by the source agency (refer to "Source Data for the Advance Estimate" on page 3). The "second" estimate for the third quarter, based on more complete data, will be released on November 30, 2022.



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**As of 1/10/23 GDP 4Q 2022 is forecast at *\*+4.085%* up from *\*+3.78%* on 1/05/23.**

***\*An average of the Atlanta and St. Louis GDP Nowcasts***

**Latest estimate: 4.1 percent — January 10, 2023**

The GDPNow model estimate for real GDP growth (seasonally adjusted annual rate) in the fourth quarter of 2022 is **4.1 percent** on January 10, up from 3.8 percent on January 5. After recent releases from the Institute for Supply Management, the US Bureau of Labor Statistics, and the US Census Bureau, the nowcasts of fourth quarter real personal consumption expenditures growth and fourth-quarter real gross private domestic investment growth increased from 3.2 percent and 5.8 percent, respectively, to 3.5 percent and 6.8 percent, respectively.

*The next GDPNow update is **Wednesday, January 18**. Please see the "Release Dates" tab below for a list of upcoming releases.*

<https://www.atlantafed.org/cqer/research/gdpnow>

**St. Louis Fed: Real GDP Nowcast 4Q 2022 *+4.07* as of 1/10/22.**

<https://fred.stlouisfed.org/series/GDPNOW>

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## MANUFACTURING AT A GLANCE

December 2022

| Index                  | Series Index<br>Dec | Series Index<br>Nov | Percentage Point<br>Change | Direction   | Rate of Change   | Trend*<br>(Months) |
|------------------------|---------------------|---------------------|----------------------------|-------------|------------------|--------------------|
| Manufacturing PMI®     | 48.4                | 49.0                | -0.6                       | Contracting | Faster           | 2                  |
| New Orders             | 45.2                | 47.2                | -2.0                       | Contracting | Faster           | 4                  |
| Production             | 48.5                | 51.5                | -3.0                       | Contracting | From Growing     | 1                  |
| Employment             | 51.4                | 48.4                | +3.0                       | Growing     | From Contracting | 1                  |
| Supplier Deliveries    | 45.1                | 47.2                | -2.1                       | Faster      | Faster           | 3                  |
| Inventories            | 51.8                | 50.9                | +0.9                       | Growing     | Faster           | 17                 |
| Customers' Inventories | 48.2                | 48.7                | -0.5                       | Too Low     | Faster           | 75                 |
| Prices                 | 39.4                | 43.0                | -3.6                       | Decreasing  | Faster           | 3                  |
| Backlog of Orders      | 41.4                | 40.0                | +1.4                       | Contracting | Slower           | 3                  |
| New Export Orders      | 46.2                | 48.4                | -2.2                       | Contracting | Faster           | 5                  |
| Imports                | 45.1                | 46.6                | -1.5                       | Contracting | Faster           | 2                  |
| OVERALL ECONOMY        |                     |                     |                            | Contracting | From Growing     | 1                  |
| Manufacturing Sector   |                     |                     |                            | Contracting | Faster           | 2                  |

Manufacturing ISM® *Report On Business*® data is seasonally adjusted for the New Orders, Production, Employment and Inventories indexes.  
\*Number of months moving in current direction.

## THE LAST 12 MONTHS

| Month    | Manufacturing PMI® | Month    | Manufacturing PMI® |
|----------|--------------------|----------|--------------------|
| Dec 2022 | 48.4               | Jun 2022 | 53.0               |
| Nov 2022 | 49.0               | May 2022 | 56.1               |
| Oct 2022 | 50.2               | Apr 2022 | 55.4               |
| Sep 2022 | 50.9               | Mar 2022 | 57.1               |
| Aug 2022 | 52.8               | Feb 2022 | 58.6               |
| Jul 2022 | 52.8               | Jan 2022 | 57.6               |

Average for 12 months - 53.5

High - 58.6

Low - 48.4

<https://www.ismworld.org/supply-management-news-and-reports/reports/ism-report-on-business/pmi/december/>

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**US Census Bureau (Manufacturers' Shipments, Inventories and Orders).**  
<http://www.census.gov/manufacturing/m3/>

**Ranking of Countries by Military might.**  
[www.military.com](http://www.military.com)

### **Our Nation in numbers**

**The Constitution gives us four missions...**

- 1. Establish Justice and Ensure Domestic Tranquility.**
- 2. Provide for the Common Defense.**
- 3. Promote the General welfare.**
- 4. Secure the Blessings of Liberty to Ourselves and Our Posterity.**

[www.usafacts.org](http://www.usafacts.org)

**US Foreign Assistance**

<http://foreignassistance.gov/>

**How much aid do we give around the world?**

<https://explorer.usaid.gov>

**CBOT Non-Commercial Net Total – Futures Only**

<http://www.cmegroup.com/trading/interest-rates/cftc-tff/main.html>

**How Natural Resources have performed over the last 10 years**

| 2012    | 2013    | 2014    | 2015    | 2016    | 2017   | 2018    | 2019    | 2020    | 2021    | Key          |
|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|--------------|
| 19.19%  | 26.23%  | 11.35%  | -2.50%  | 103.67% | 56.25% | 18.59%  | 54.20%  | 47.89%  | 160.61% | Aluminum Al  |
| 15.19%  | 7.19%   | 6.91%   | -9.63%  | 60.59%  | 32.39% | 17.86%  | 34.46%  | 26.02%  | 55.01%  | Coal         |
| 12.16%  | 1.70%   | 3.91%   | -10.42% | 59.35%  | 31.19% | 6.91%   | 31.55%  | 25.86%  | 46.91%  | Copper Cu    |
| 12.11%  | 0.17%   | 3.80%   | -10.72% | 45.03%  | 30.49% | -0.44%  | 21.48%  | 25.12%  | 42.18%  | Corn         |
| 8.98%   | -1.00%  | -1.72%  | -11.75% | 20.96%  | 30.49% | -1.58%  | 18.31%  | 24.82%  | 31.53%  | Gas          |
| 8.00%   | -5.44%  | -2.24%  | -17.79% | 17.37%  | 30.49% | -8.53%  | 15.21%  | 19.73%  | 26.14%  | Gold Au      |
| 7.52%   | -6.72%  | -5.52%  | -19.11% | 14.86%  | 27.51% | -14.49% | 11.03%  | 18.66%  | 25.70%  | Lead Pb      |
| 7.14%   | -11.03% | -11.79% | -20.31% | 13.58%  | 24.27% | -16.54% | 3.40%   | 15.99%  | 22.57%  | Nickel Ni    |
| 4.18%   | -14.02% | -14.00% | -26.07% | 13.49%  | 13.09% | -17.43% | 3.36%   | 14.63%  | 20.34%  | Oil          |
| 2.33%   | -18.63% | -15.51% | -26.10% | 11.27%  | 12.47% | -17.46% | -4.38%  | 10.92%  | 18.32%  | Palladium Pd |
| -7.09%  | -22.20% | -16.00% | -26.50% | 8.56%   | 6.42%  | -19.23% | -4.66%  | 10.80%  | -3.64%  | Platinum Pt  |
| -9.22%  | -28.04% | -19.34% | -29.43% | 1.16%   | 4.66%  | -22.16% | -9.49%  | 3.25%   | -9.64%  | Silver Ag    |
| -16.78% | -35.84% | -31.21% | -30.47% | -1.88%  | 2.99%  | -24.54% | -18.02% | -1.29%  | -11.72% | Wheat        |
|         | -39.56% | -45.58% | -41.75% | -13.19% | -0.36% | -24.84% | -25.54% | -20.54% | -22.21% | Zinc Zn      |

<https://www.usfunds.com/interactive/the-periodic-table-of-commodity-returns-2021/#.XDjAAlxKiUk>

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