



NDR
NED DAVIS RESEARCH



ALEJANDRA GRINDAL, CHIEF ECONOMIST
PATRICK AYERS, SENIOR ANALYST

APRIL 13, 2023

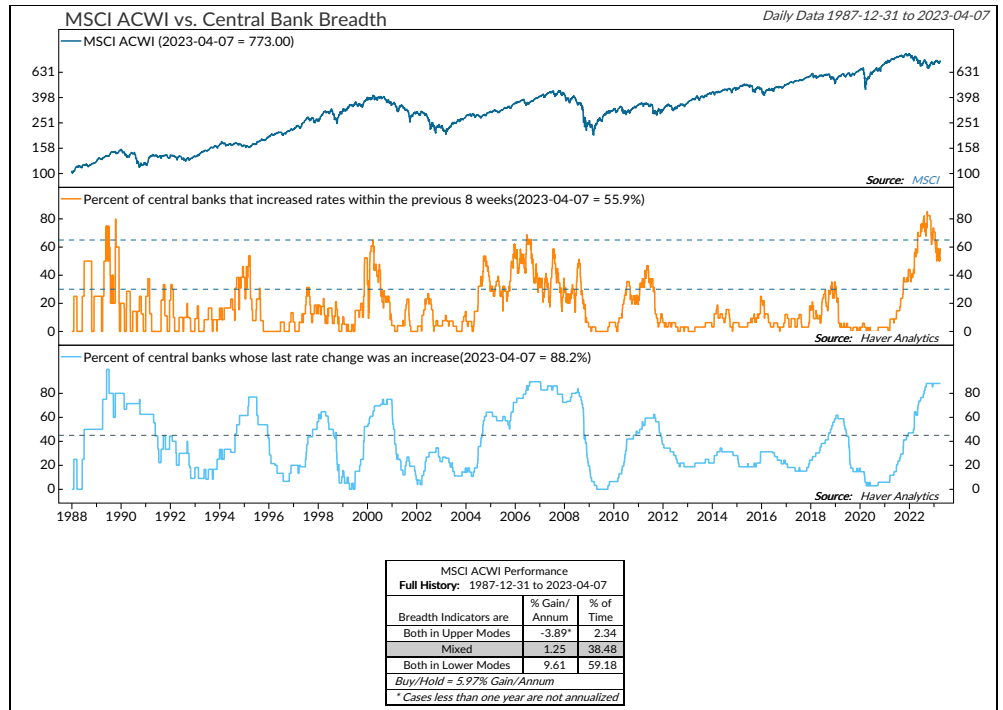
[email us](#)

Global monetary policy – some signs of reprieve?

Key Takeaways

- Global monetary policy looks tighter than ever, but under the surface, we're starting to see some signs of reprieve.
- The equity market, however, usually performs best when most central banks have been in easing mode.
- Both historical precedent and the inflation environment suggest that we likely won't get to that point until at least the end of the year.

Some CBs have paused, but none have moved to easing



Unprecedented tightening

The past year and a half saw some of the fastest and broadest tightening in global monetary policy in history. Our estimate of the global central bank rate has climbed almost 300 bp since the end of 2021, the largest gain in that period since our data began in 2000. Moreover, nearly 90% of the world's central banks are in tightening cycles, the most since 2007 and compared to fewer than half in late 2021.

More CBs pausing

But we may be seeing an end to this increasingly tighter policy soon. According to our calculations, just over half of the world's central banks have increased interest rates over the past two months, down from a peak of nearly 90% in late September. Notably,

several emerging market central banks as well as the RBA and BoC have taken a pause. While the Fed and ECB may not be done tightening, it's highly likely that they will stop lifting rates this quarter. Moreover, central bank balance sheets in aggregate have also been expanding, but not due to traditional QE.

The equity market, however, usually performs best when the majority of central banks have been in easing mode. Both historical precedent and the inflation environment suggest that we likely won't get to that point until at least the end of the year.

Mixed CB breadth

As shown in the chart above, the weakest period for global equities has occurred when most central banks have been tightening (clip three) and have done so over the past two months (clip two). This essentially characterizes much of 2022.

Right now, our indicator is mixed, which is generally associated with modest gains in global equities. While more central banks are taking a pause, none have on balance reverted to easing policy. In fact, we usually don't see more than half of the world's central banks in easing mode until 12 months after the data in

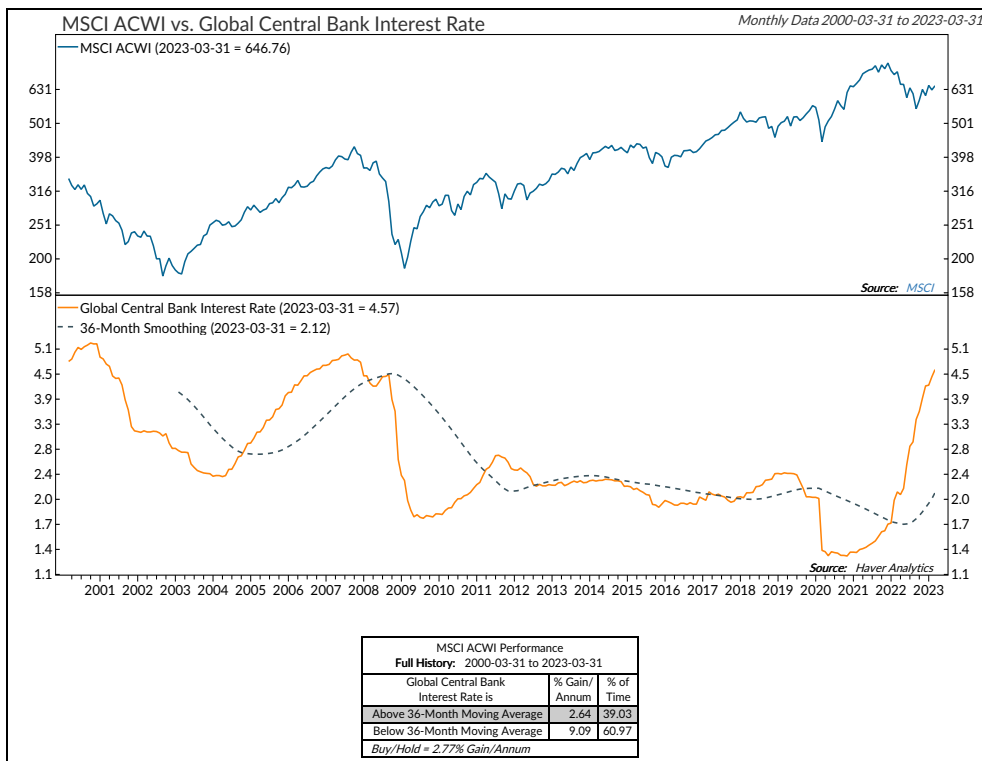
Global central rate remains elevated

the second clip of the chart has peaked. Based on that historical norm, that turning point would occur in October of this year.

Moreover, in the post-Volcker era the Fed has waited an average of nine months after ending a tightening cycle before easing. The BoE has been similar. The ECB has been shorter, partly due to less history and the 2011 cycle, which saw the ECB quickly reverse from tightening to easing in the wake of the sovereign debt crisis.

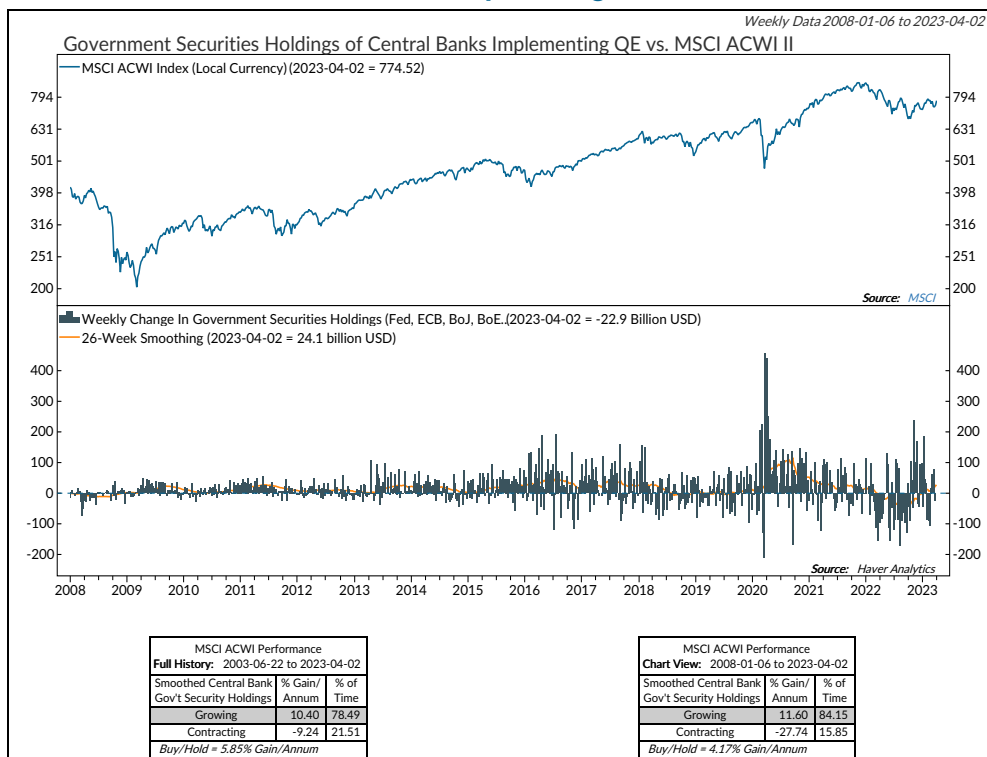
Global rate still well above average

Once central banks move back to easing, that will clearly bring down the overall global central bank rate. But for the time being, the marked gains we've seen in the global central bank rate over the past year present a headwind to global equities (chart at right).



© Copyright 2023 Ned Davis Research, Inc. Further distribution prohibited without prior permission. All Rights Reserved. See NDR Disclaimer at www.ndr.com/copyright.html. For data vendor disclaimers refer to www.ndr.com/vendorinfo/

Central bank balance sheets expanding



© Copyright 2023 Ned Davis Research, Inc. Further distribution prohibited without prior permission. All Rights Reserved. See NDR Disclaimer at www.ndr.com/copyright.html. For data vendor disclaimers refer to www.ndr.com/vendorinfo/

Stealth QE?

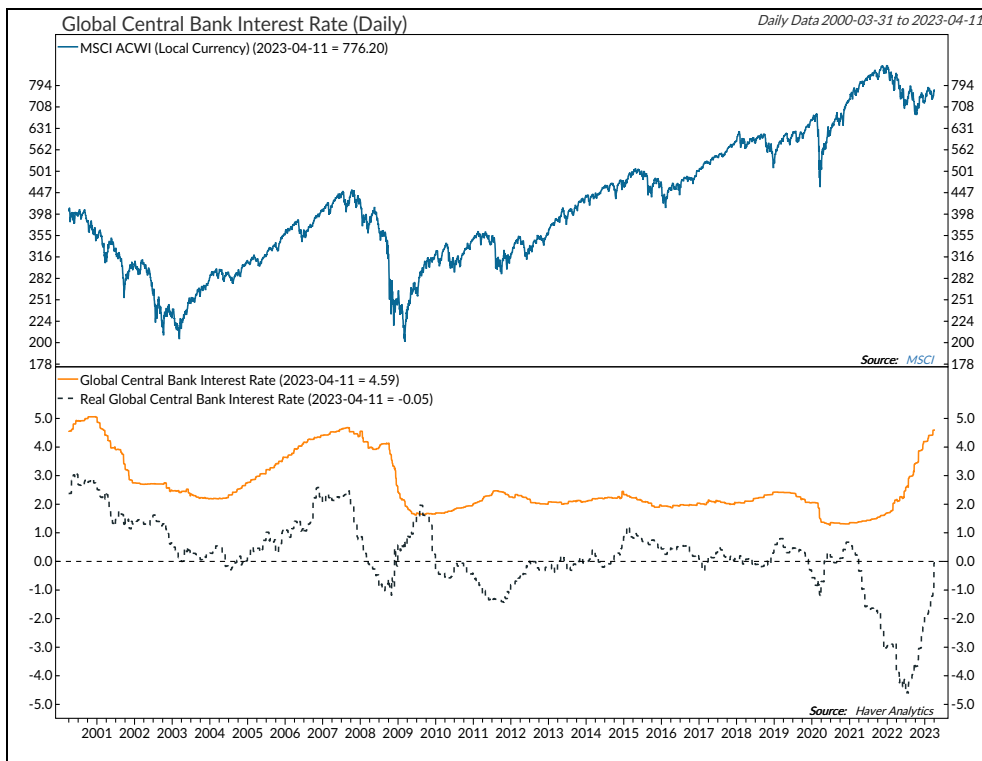
An interesting development is that the aggregate balance sheet of the major central banks has been expanding. Much of this is due to U.S. banks utilizing the Fed's discount window in the wake of the banking crisis in March. But the expansion began before then due to the BoJ and the Fed's [TGA expansion](#).

As shown on the chart at left, an expanding balance sheet has been associated with strong equity market gains. We do, however, take this analysis with a grain of salt due to its limited history and the current cause of the balance sheet expansion, which is different from traditional QE.

Global real rate still negative

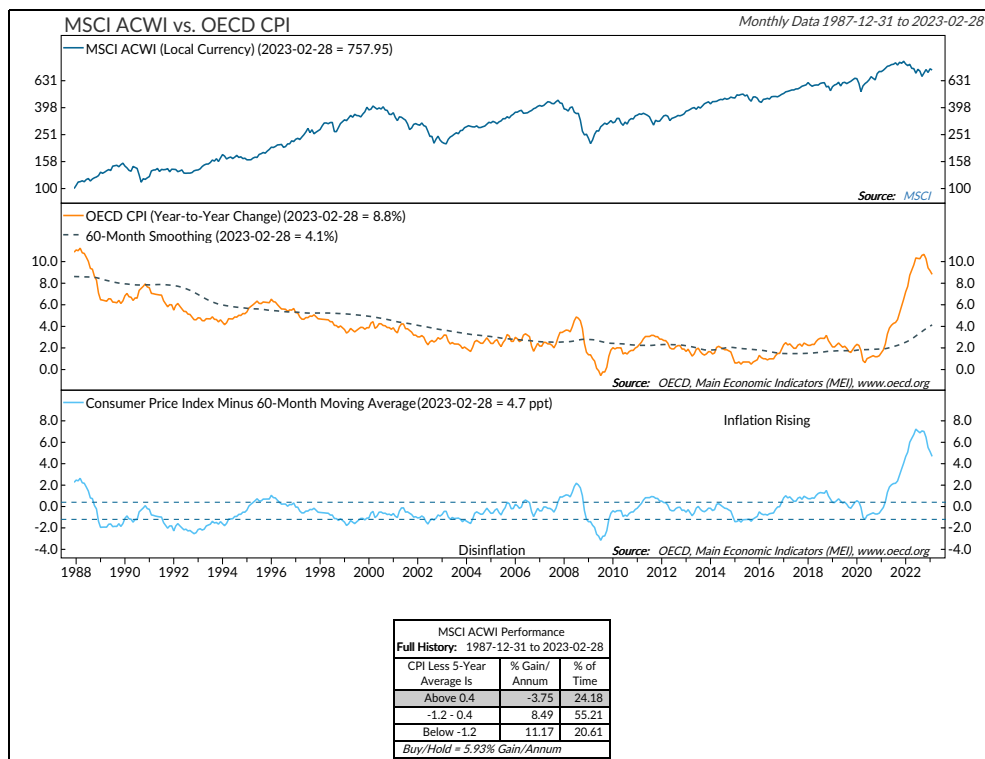
Despite the large jump in the nominal global central bank rate, on a real basis, the rate is slightly negative due to still-high inflation in most parts of the world. Although the real rate is close to neutral and far less negative than what it was in mid-2022, it still suggests that policies remain accommodative.

Real rate remains accommodative



Source: MSCI, Haver Analytics. © Copyright 2023 Ned Davis Research, Inc. Further distribution prohibited without prior permission. All Rights Reserved. See NDR Disclaimer at www.ndr.com/copyright.html. For data vendor disclaimers refer to www.ndr.com/vendorinfo/.

Inflation has fallen, but remains elevated



Source: MSCI, OECD, Main Economic Indicators (MEI), www.oecd.org. © Copyright 2023 Ned Davis Research, Inc. Further distribution prohibited without prior permission. All Rights Reserved. See NDR Disclaimer at www.ndr.com/copyright.html. For data vendor disclaimers refer to www.ndr.com/vendorinfo/.

Inflation still too high

A policy pivot to easing will come when there are clear signs that inflation has gotten closer to central bank targets. Although peak inflation is likely behind us due to goods disinflation, services inflation has been stickier to the downside amid elevated wages and continued pricing power in the face of strong demand, as discussed in our [April 6 publication](#).

Tighter credit conditions, evident in the U.S. and Europe even before the March banking crisis, will likely weigh on inflation as the year progresses. But for now, inflation remains too high for central banks to reverse course in the near-term.



NDR
NED DAVIS RESEARCH

NDR HOUSE VIEWS (Updated April 6, 2023)

For global asset allocation, NDR recommends an overweight allocation to stocks and underweight allocations to bonds and cash. Our recommendations are in-line with our Global Balanced Account Model.

Equity Allocation

U.S. | Our U.S. asset allocation recommendation is 60% stocks (5% overweight), 35% bonds (marketweight), and 5% cash (5% underweight). On an absolute, basis we are marketweight the S&P 500. Macro and earnings concerns are offset by extreme pessimism and technical improvements. We favor large-caps over small-caps and are neutral on Growth versus Value.

INTERNATIONAL | We are overweight United States and Europe ex. U.K., marketweight Japan, and underweight on all other regions.

Macro

ECONOMY | The global economy is in a sustained slowdown due to waning monetary and fiscal support, stubbornly high inflation, and rising geopolitical risk. While the slowdown remains moderate, the risk of severe recession increases in 2023. Global inflation pressures are easing but will remain historically elevated in the foreseeable future.

FIXED INCOME | We raised our bond exposure to 110% of benchmark duration. We are neutral on the yield curve. We are overweight Treasuries and MBS and underweight high yield, ABS and TIPS. We are marketweight everything else.

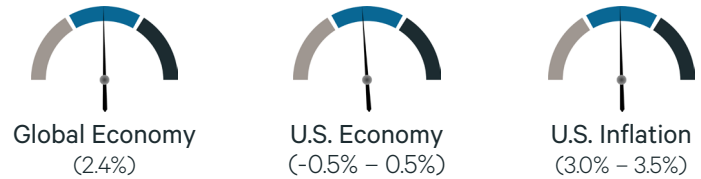
GOLD | We are currently bullish.

DOLLAR | We are bearish due to worsening momentum and model readings.

Economic Summary

April 10, 2023

Near term activity: ● Accelerating ● Neutral ● Decelerating



Economic gauges reflect changes in near-term economic activity. Numbers in parenthesis refer to NDR 2023 forecasts.

Global Asset Allocation

● Overweight ● Marketweight ● Underweight

- Stocks (65%)
- Bonds (30%) | Cash (5%)

Benchmark: Stocks (55%), Bonds (35%), Cash (10%)

Equities — Regional Relative Allocation

- United States (64%) | Europe ex. U.K. (16%)
- Japan (6%)
- Emerging Markets (8%) | U.K. (2%) | Pacific ex Japan (2%) | Canada (2%)

Benchmark – U.S. (61.3%), Europe ex. U.K. (12%), Emerging Markets (11.1%), Japan (5.4%), U.K. (3.8%), Pacific ex. Japan (3.1%), Canada (3.1%)

Global Bond Allocation

- U.S. (60%)
- Europe (25%) | U.K. (5%)
- Japan (10%)

Benchmark: U.S. (55%), Europe (26%), Japan (14%), U.K. (5%)

U.S. Allocation

- Stocks (60%) | Large-Cap
- Bonds (35%) | Mid-Cap | Growth | Value
- Cash (5%) | Small-Cap

Benchmark: Stocks (55%), Bonds (35%), Cash (10%)

Sectors

- Technology (30%)
- Real Estate (1%)

Benchmark: Technology (26.7%), Health Care (14.5%), Financials (10.8%), Communication Services (8.5%), Consumer Discretionary (11.3%), Consumer Staples (7.4%), Industrials (8.1%), Energy (4.6%), Utilities (2.9%), Real Estate (2.7%), Materials (2.6%)

U.S. Bonds — 110% of Benchmark Duration

NED DAVIS RESEARCH

NDRsales@ndr.com
www.ndr.com
(800) 241-0621

NOKOMIS

2520 North Tamiami Trail
Nokomis, FL 34275
(941) 412-2300

NEW YORK

1270 Avenue of the Americas
11th Floor
New York, NY 10020
(646) 810-7270

MONTREAL

1001 de Maisonneuve West
Suite 1510
Montreal, QC, Canada H3A 1X8
+1 800 724 2942, +1 514 499 9550

LONDON

8 Bouverie Street
Temple, London
EC4Y 8AX
+44 (0) 20 7779-8682

HONG KONG

12/F, V-Point, 18 Tang Lung Street,
Causeway Bay
Hong Kong
+852 3416 6676

AUSTRALIA

Suite 305, 3 Spring St
Sydney, Australia
+61282491867

SINGAPORE

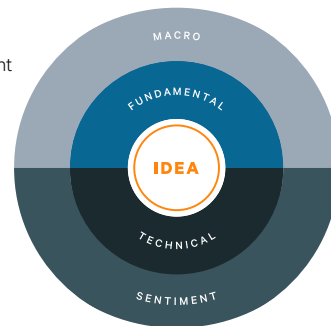
1 Marina Boulevard,
Level 20, Suite #2020,
Singapore 018989
+65 643 134 78



NDR
NED DAVIS RESEARCH

See the signals.™

Founded in 1980, Ned Davis Research Group is a leading independent research firm with clients around the globe. With a range of products and services utilizing a 360° methodology, we deliver award-winning solutions to the world's leading investment management companies. Our clients include professionals from global investment firms, banks, insurance companies, mutual funds, hedge funds, pension and endowment funds, and registered investment advisors.



Important Information and Disclaimers

NDR (Ned Davis Research) uses the weight of the evidence and a 360-degree approach to build up to market insights. When we say “evidence,” we mean processing millions of data series to fuel a historical perspective, build proprietary indicators and models, and calm investors in a world full of bull/bear news hype and hysteria. We believe that no client is too big or too small to benefit from NDR's insights.

The data and analysis contained in NDR's publications are provided “as is” and without warranty of any kind, either expressed or implied. The information is based on data believed to be reliable, but it is not guaranteed. **NDR DISCLAIMS ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY, SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE.**

NDR's reports reflect opinions of our analysts as of the date of each report, and they will not necessarily be updated as views or information change. All opinions expressed therein are subject to change without notice, and you should always obtain current information and perform due diligence before trading. NDR or its affiliated companies or their respective shareholders, directors, officers and/or employees, may have long or short positions in the securities discussed in NDR's publications and may purchase or sell such securities without notice.

NDR uses and has historically used various methods to evaluate investments which may, at times, produce contradictory recommendations with respect to the same securities. When evaluating the results of prior NDR recommendations or NDR performance rankings, one should also consider that **NDR may modify the methods it uses to evaluate investment opportunities from time to time, that model results do not impute or show the compounded adverse effect of transaction costs or management fees or reflect actual investment results, that other less successful recommendations made by NDR are not included with these model performance reports, that some model results do not reflect actual historical recommendations, and that investment models are necessarily constructed with the benefit of hindsight. Unless specifically noted on a chart, report, or other device, all performance measures are purely hypothetical, and are the results of back-tested methodologies using data and analysis over time periods that pre-dated the creation of the analysis and do not reflect tax consequences, execution, commissions, and other trading costs. For these and for many other reasons, the performance of NDR's past recommendations and model results are not a guarantee of future results.**

Using any graph, chart, formula, model, or other device to assist in deciding which securities to trade or when to trade them presents many difficulties and their effectiveness has significant limitations, including that prior patterns may not repeat themselves continuously or on any particular occasion. In addition, market participants using such devices can impact the market in a way that changes the effectiveness of such devices. NDR believes no individual graph, chart, formula, model, or other device should be used as the sole basis for any investment decision and suggests that all market participants consider differing viewpoints and use a weight of the evidence approach that fits their investment needs. Any particular piece of content or commentary may or may not be representative of the NDR House View, and may not align with any of the other content or commentary that is provided in the service. Performance measures on any chart or report are not intended to represent the performance of an investment account or portfolio, as some formulas or models may have superior or inferior results over differing time periods based upon macro-economic or investment market regimes. NDR generally provides a full history of a formula or model's hypothetical performance, which often reflects an “all in” investment of the represented market or security during “buy”, “bullish”, or similar recommendations. This approach is not indicative of the intended usage of the recommendation in a client's portfolio, and for this reason NDR does not typically display returns as would be commonly stated when reporting portfolio performance. Clients seeking the usage of any NDR content in a simulated portfolio back-test should contact their account representative to discuss testing that NDR can perform using the client's specific risk tolerances, fees, and other constraints.

NDR's reports are not intended to be the primary basis for investment decisions and are not designed to meet the particular investment needs of any investor. The reports do not address the suitability of any particular investment for any particular investor. The reports do not address the tax consequences of securities, investments, or strategies, and investors should consult their tax advisors before making investment decisions. Investors should seek professional advice before making investment decisions. The reports are not an offer or the solicitation of an offer to buy or to sell a security.

Further distribution prohibited without prior permission. Full terms of service, including copyrights, terms of use, and disclaimers are available at <https://www.ndr.com/web/ndr/terms-of-service>. For data vendor disclaimers, refer to www.ndr.com/vendorinfo.

Copyright 2023 (c) Ned Davis Research, Inc. All rights reserved.