

Macro & Market Outlook

Tony Dwyer

Chief Market Strategist Canaccord Genuity LLC (US) 212.389.8216

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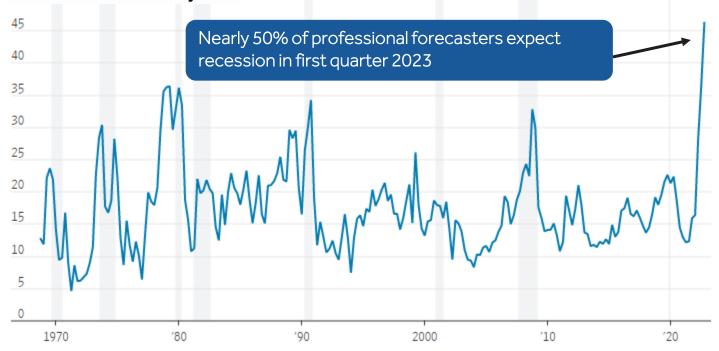


See important disclosures in Appendix

Recession Outlook – The Most Predicted Recession Ever

Philadelphia Federal Reserve Anxious Index

1968 – Current – Quarterly Chart



Source: WSJ / Federal Reserve Bank of Philadelphia / Canaccord Quarterly Data

Market Outlook – "The" Low Happens During Recession

U.	U.S Recessions SPX Low		SPX Low in	Weeks from		
Start	Trough	# of Mths	Date	SPX	Recession?	Start to Low
8/30/1957	4/30/1958	8	10/22/57	38.98	Yes	8
4/29/1960	2/28/1961	10	10/25/60	52.3	Yes	26
12/31/1969	11/30/1970	11	5/26/70	69.29	Yes	21
11/30/1973	3/31/1975	16	10/3/74	62.28	Yes	44
1/31/1980	7/31/1980	6	3/27/80	98.22	Yes	8
7/31/1981	11/30/1982	16	8/12/82	102.42	Yes	54
7/31/1990	3/31/1991	8	10/11/90	295.46	Yes	10
3/31/2001	11/30/2001	8	10/9/02	776.76	After	79
12/31/2007	6/30/2009	18	3/9/09	676.53	Yes	62
2/29/2020	4/30/2020	2	3/23/20	2237.4	Yes	3

The market has never bottomed BEFORE a recession

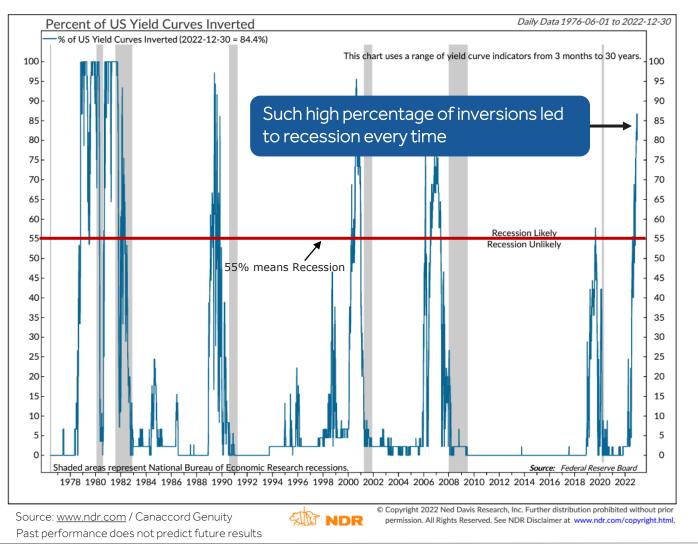
Source: Bloomberg/ nber.org

Median 23.5

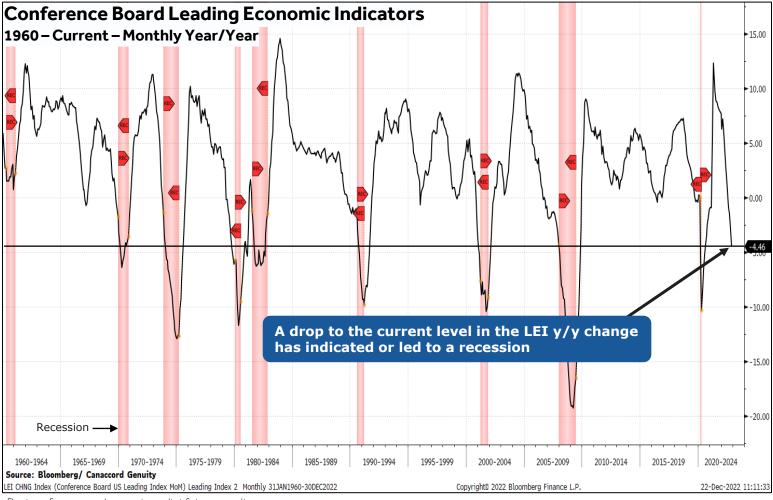
Standard and Poor's 500 Index is a capitalization-weighted index of 500 stocks. The index is designed to measure performance of the broad domestic economy through changes in the aggregate market value of 500 stocks representing all major industries.

Past performance is not a guarantee of future results. Index returns are unmanaged and do not reflect the deduction of any fees or expenses.

Recession Outlook – Yield Curve Inversions Signaling 2023 Recession

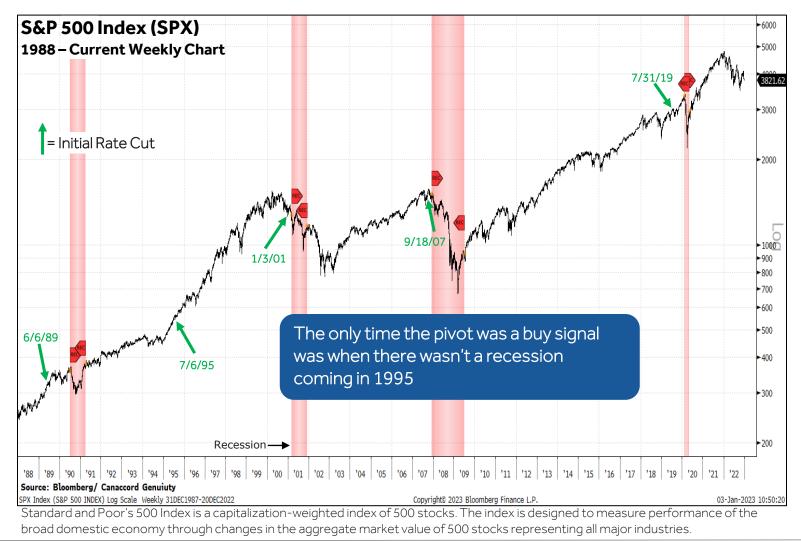


Recession Outlook – Leading Economic Indicators Signaling 2023



Past performance does not predict future results

Market Outlook - In Levered Era, Pivot Not A Pre-Recession Buy Signal

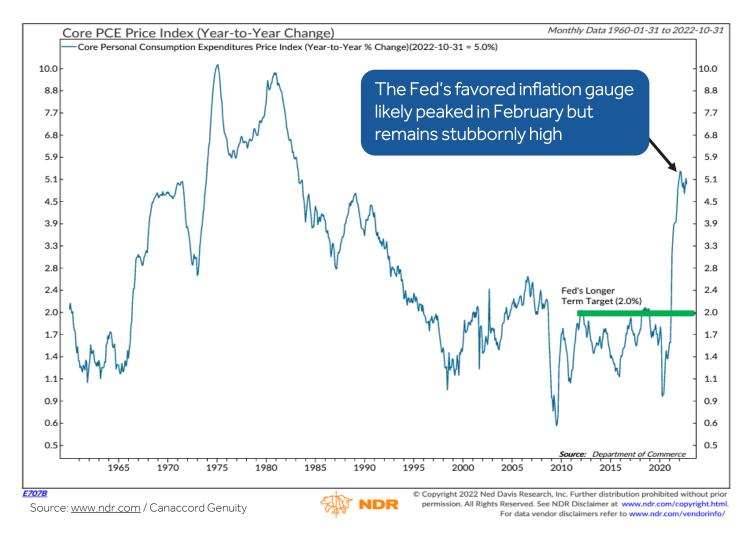


Past performance is not a guarantee of future results. Index returns are unmanaged and do not reflect the deduction of any fees or expenses.

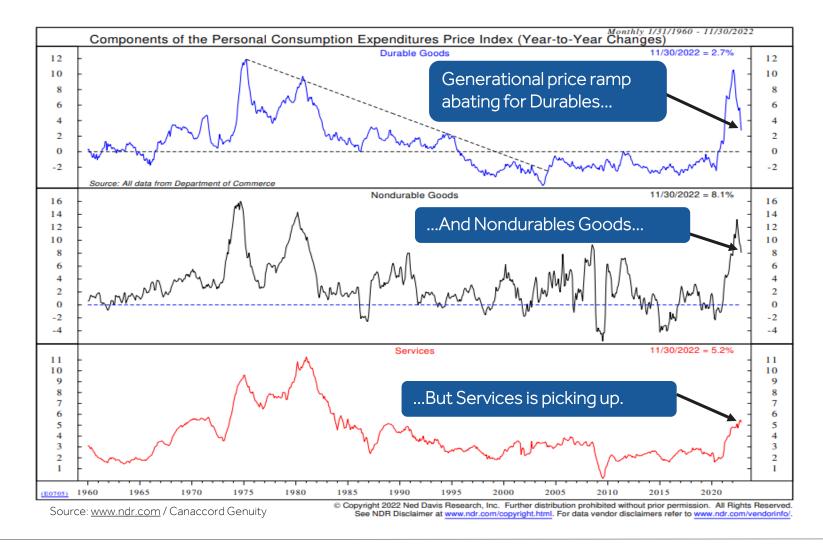
Core Fundamental Thesis Remains Challenged

- 1. <u>Over time, the market correlates to the direction of EPS expected to drop</u>
- 2. <u>EPS is driven by the direction of economic activity 2023 recession</u>
- 3. Economic activity is produced by money availability historically weak
- 4. <u>Money availability is driven by Fed policy channeling their inner Volker</u>
- 5. <u>Fed policy is driven by Inflation and Employment both turning but elevated</u>

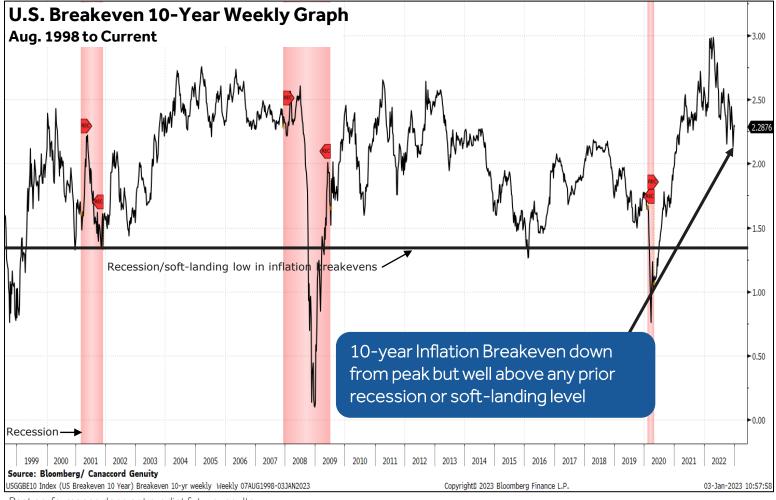
Inflation Outlook – Core PCE Peaked But Stubbornly High



Inflation Outlook – Services Offsetting Drop In Goods Inflation



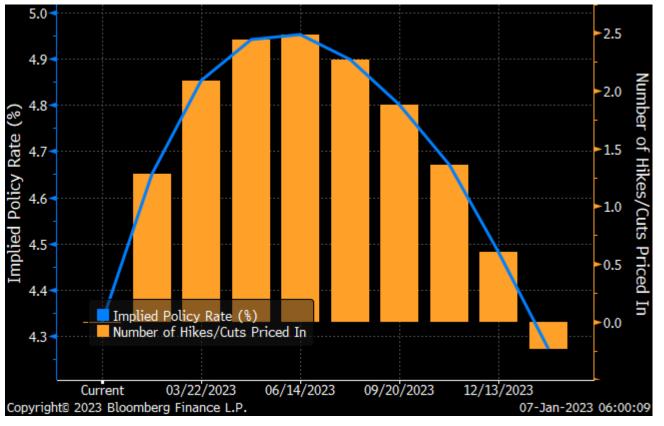
Inflation Outlook – Long-term Inflation Expectations "Anchored"



Past performance does not predict future results

Credit Outlook – The Market Doesn't Believe The Fed

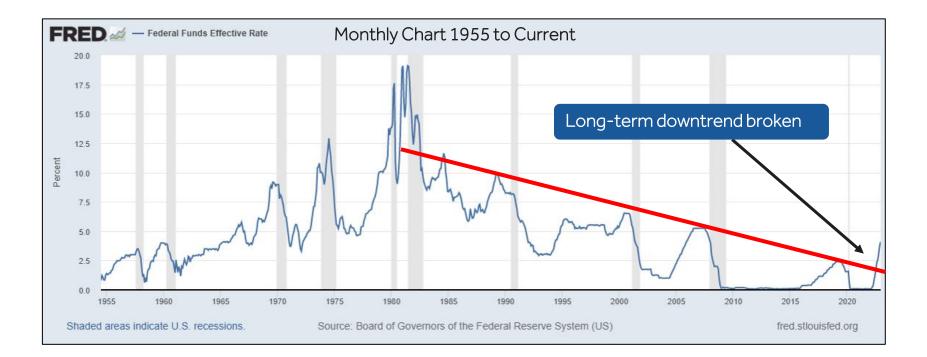
Despite the Fed rhetoric, the market expects peak rates below 5% and end of 2023 reduction



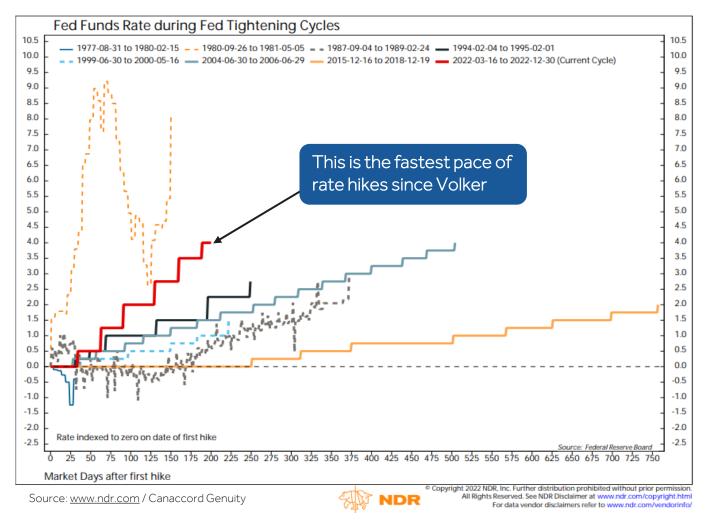
Source: Bloomberg / Canaccord

Credit Outlook – The Fed Hikes Have Broken Long-Term Downtrend...

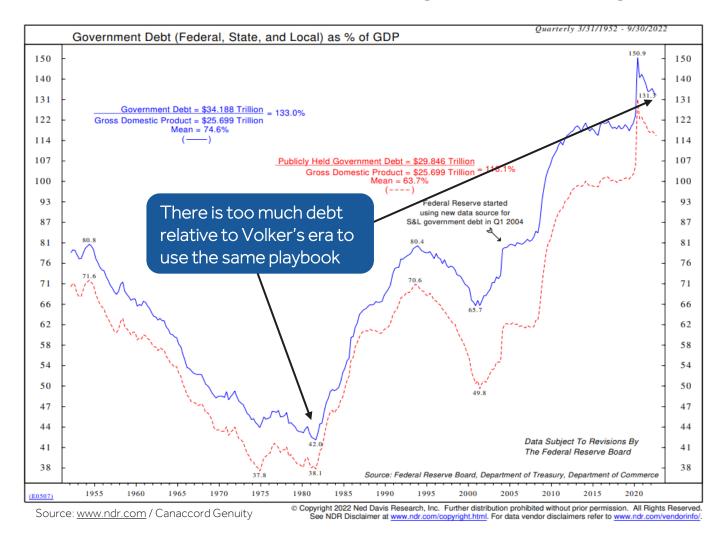
The Fed has embarked on a tightening cycle that has broken the long-term downtrend. We continue to believe it is a bad idea to spike rates into a generationally levered system



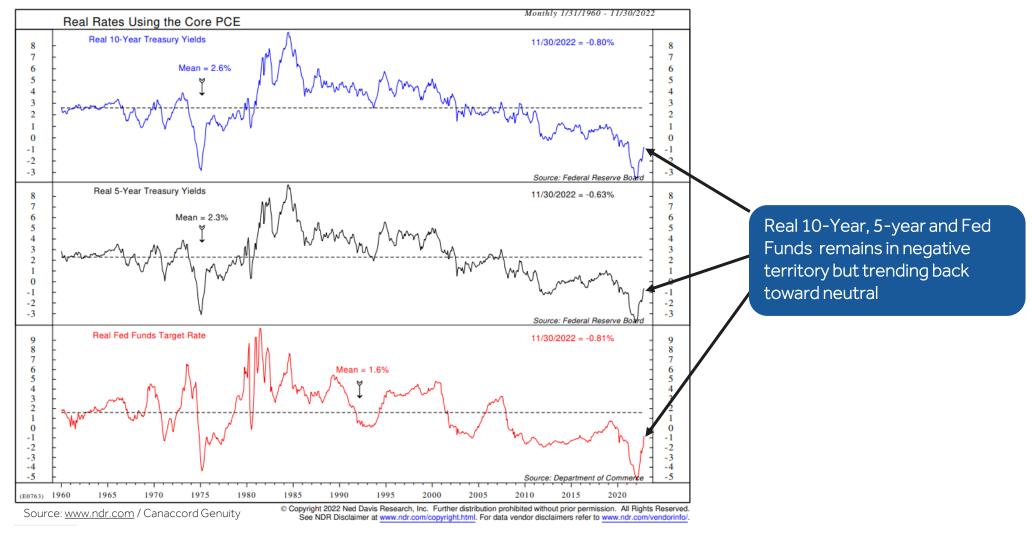
Credit Outlook – ... As They Raise Rates In A Historic Way...



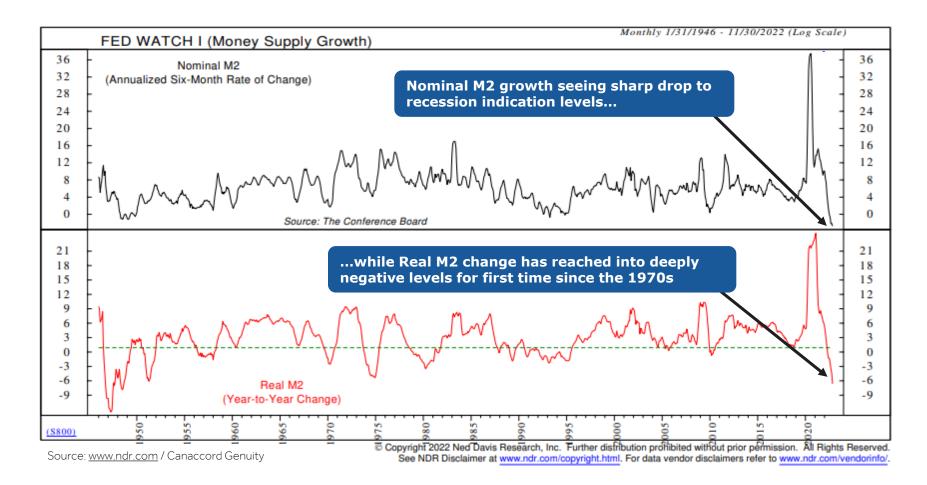
Credit Outlook – ...Into A Generationally Levered System...



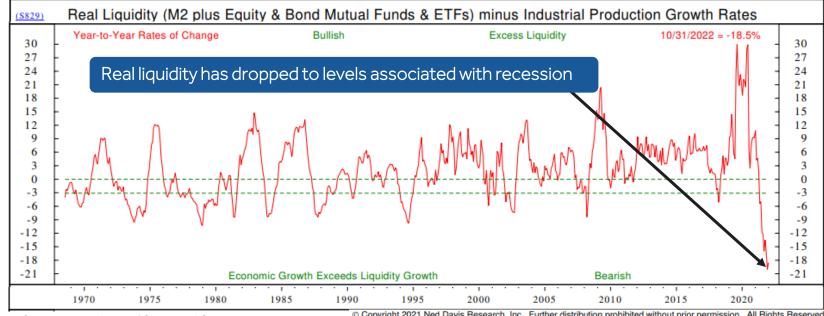
Credit Outlook – ... As Real Rates Are Trending Higher



Credit Outlook – Money Supply (M2) Signaling 2023 Recession



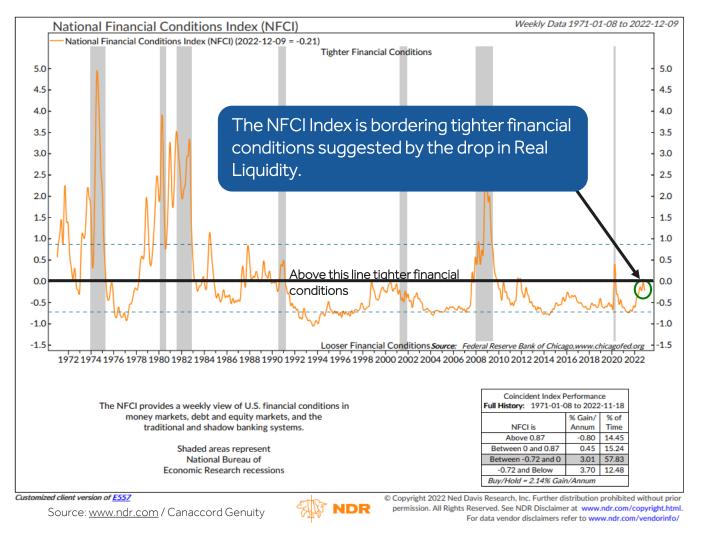
Credit Outlook – Real Liquidity Sharply Lower With M2 & Markets



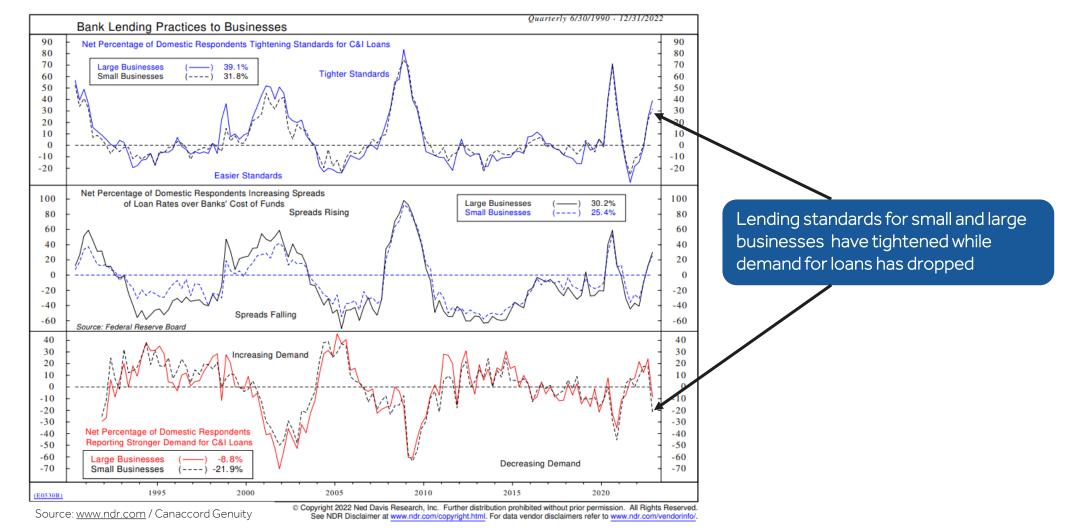
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Source: www.ndr.com / Canaccord Genuity

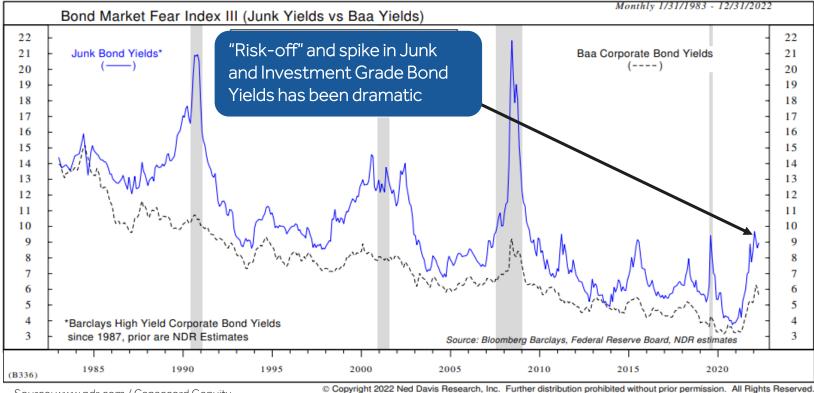
Credit Outlook – Chicago Fed Financial Conditions Bordering "Tight"



Credit Outlook – Bank Lending Standards Also Near Recession Level



Credit Outlook – Corporate Credit Yields Remain Elevated

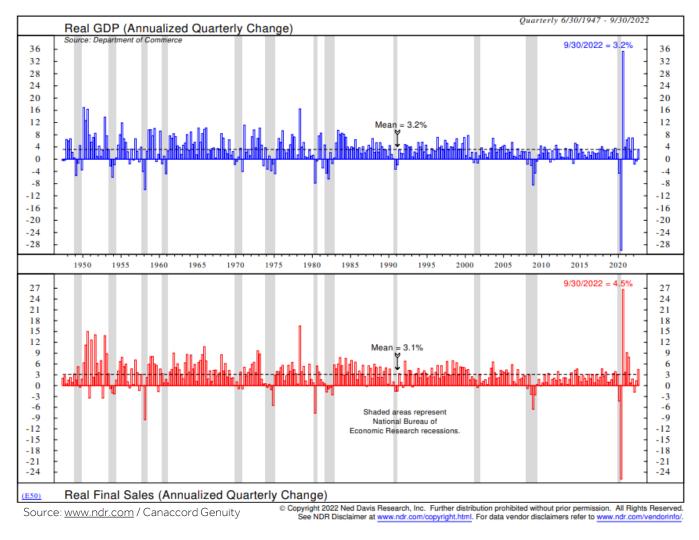


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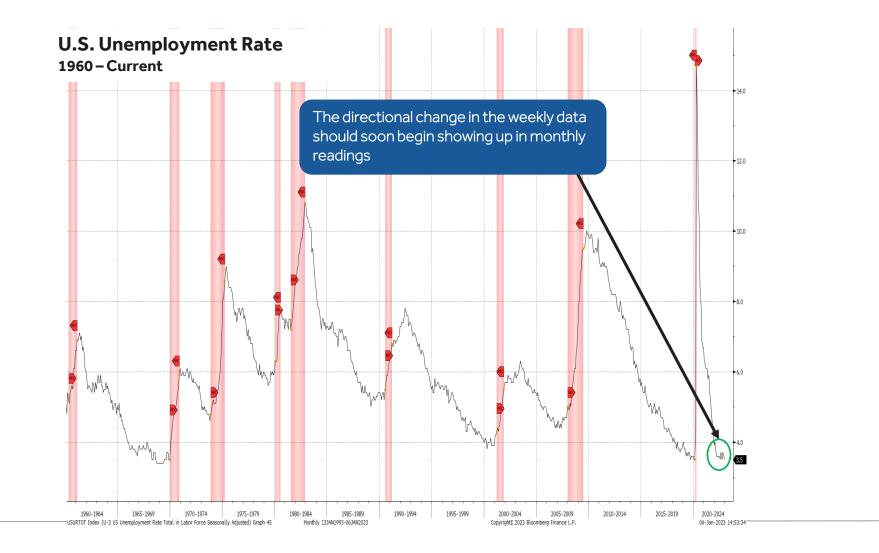
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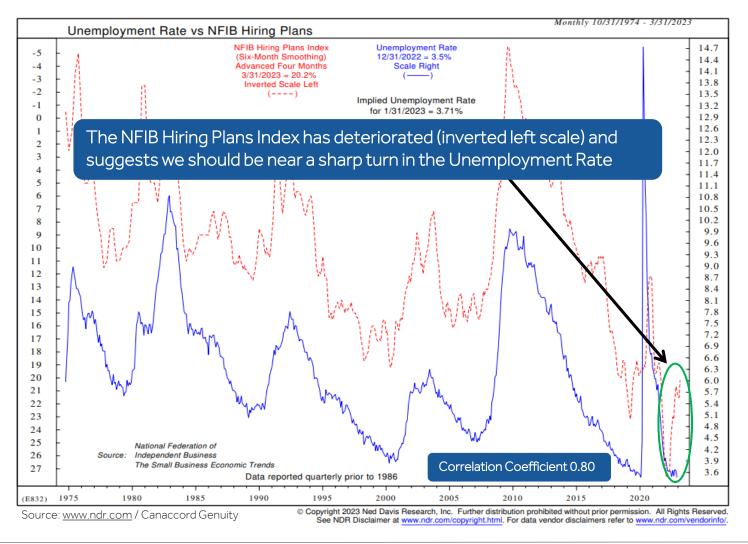
Economic Outlook – GDP Rose in Q3 Due To Improved Final Sales



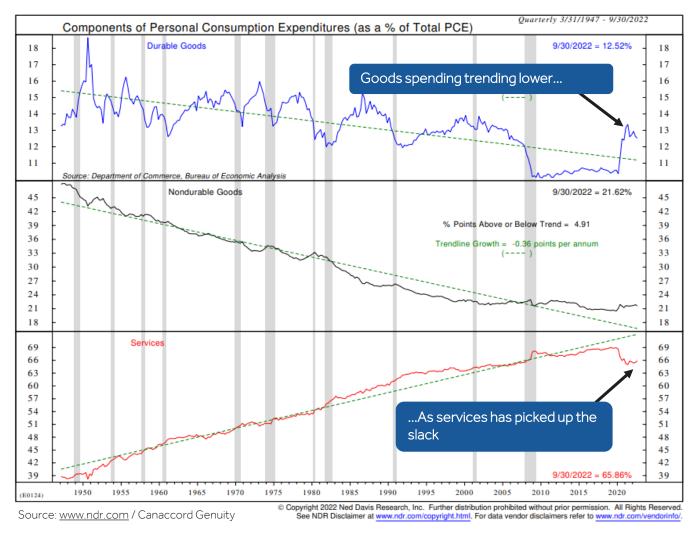
Economic Outlook – The Unemployment Rate Still Near Historic Low...



Economic Outlook – ...But NFIB Hiring Plans Suggest A Turn Ahead...



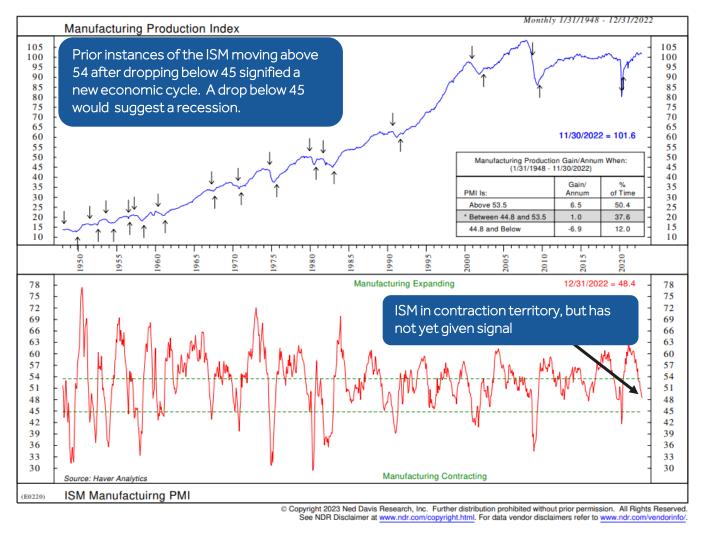
Economic Outlook – ...Which Could Limit Renewed Services Spending



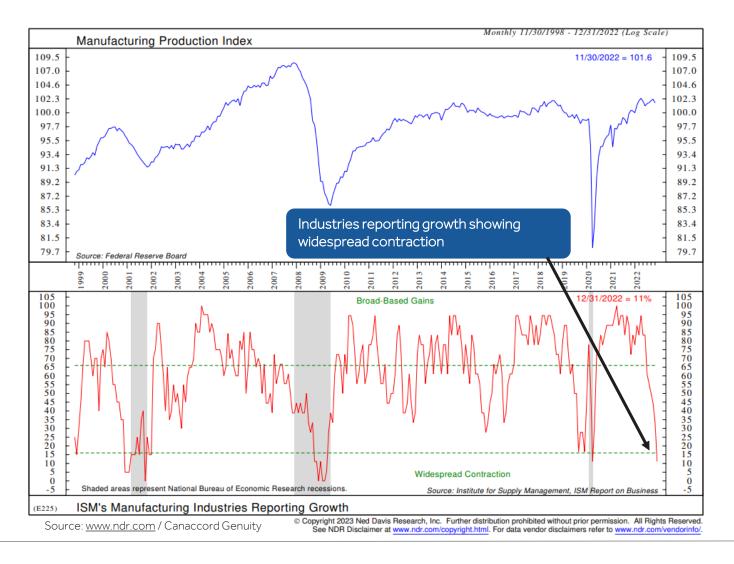
Economic Outlook – ... Especially If Consumer Confidence Stays Weak



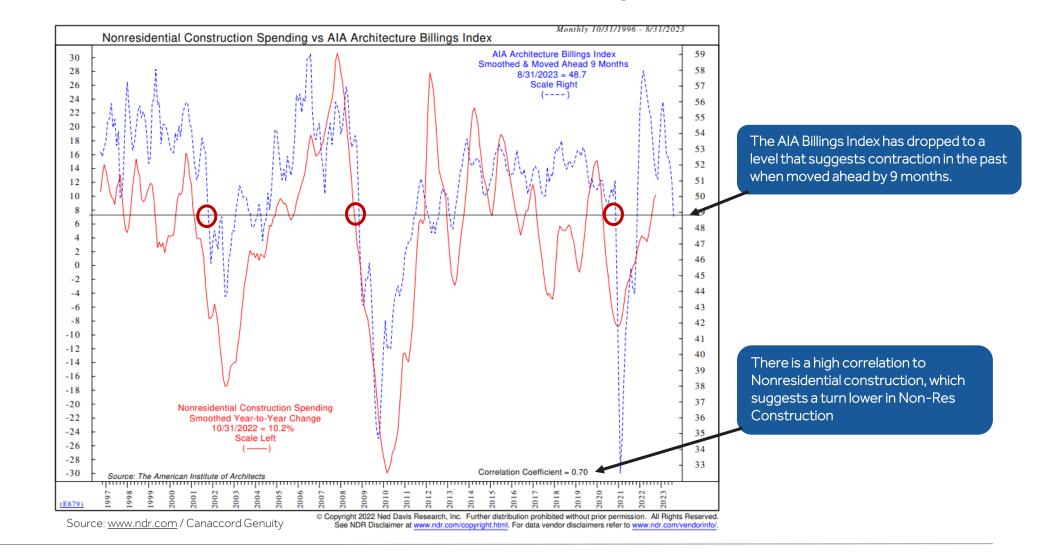
Economic Outlook – ISM Manufacturing Survey Suggests Contraction



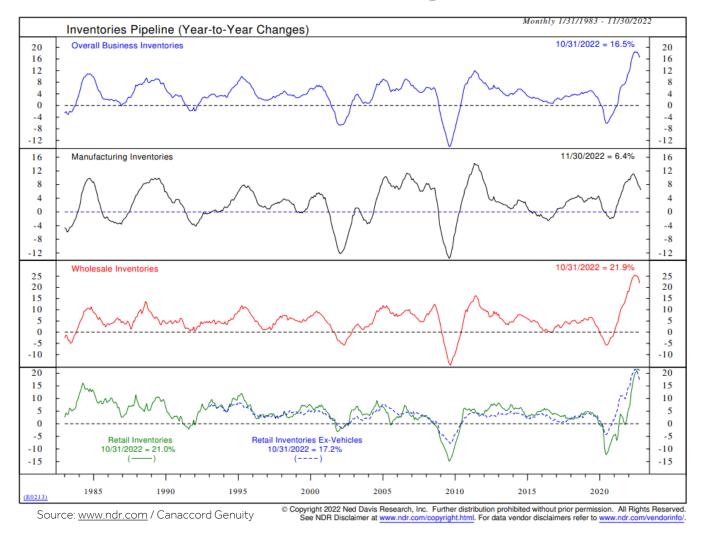
Economic Outlook – ISM Manufacturing Contraction Widespread



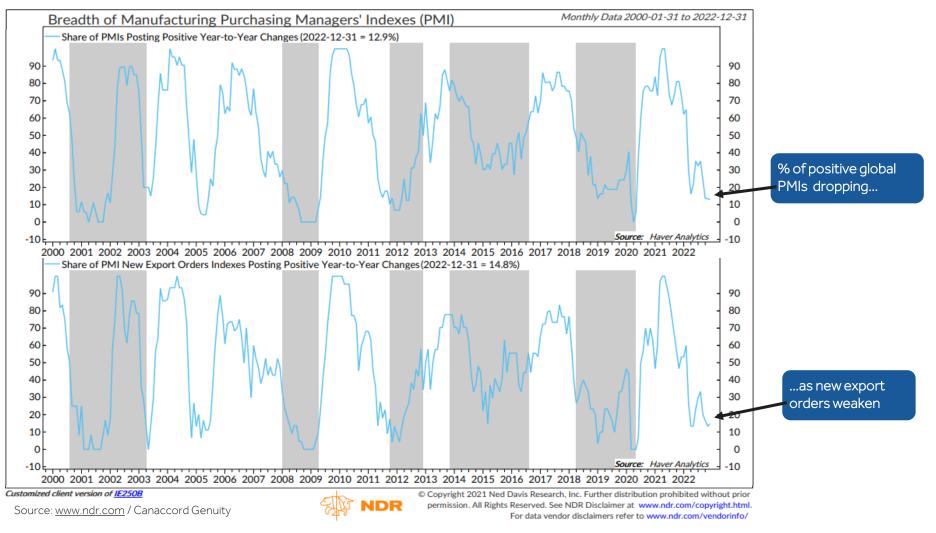
Economic Outlook – Non-Res Construction Likely To Contract



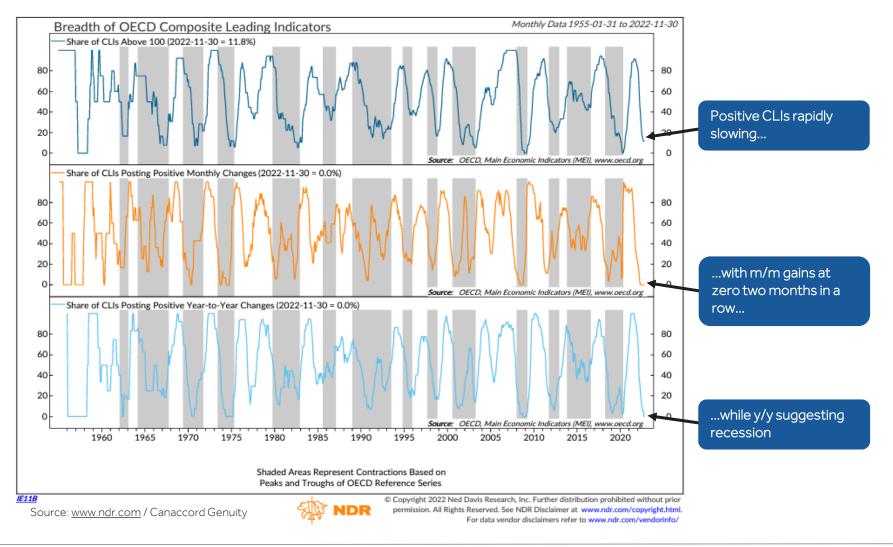
Economic Outlook – Inventories Turning After Historic Build



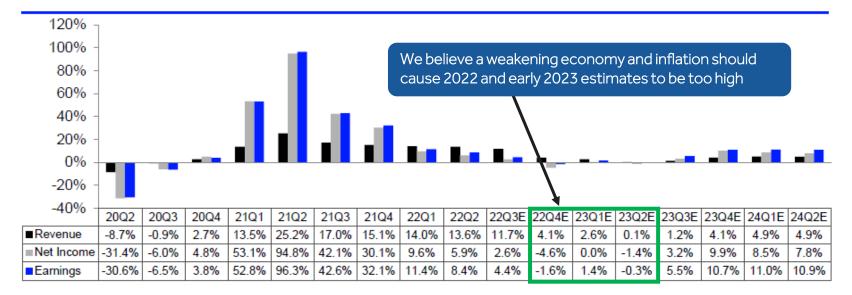
Economic Outlook – Global PMIs Show Much Slower Global Growth



Economic Outlook – OECD Data Reinforces Weak Global Outlook



Earnings Outlook – Consensus SPX EPS Should Prove Too Optimistic



Source: I/B/E/S data from Refinitiv

Earnings Outlook – EPS Direction Down In 2023 In Mild Downturn

QUARTERLY REPORTED RESULTS AND FUTURE EXPECTATIONS

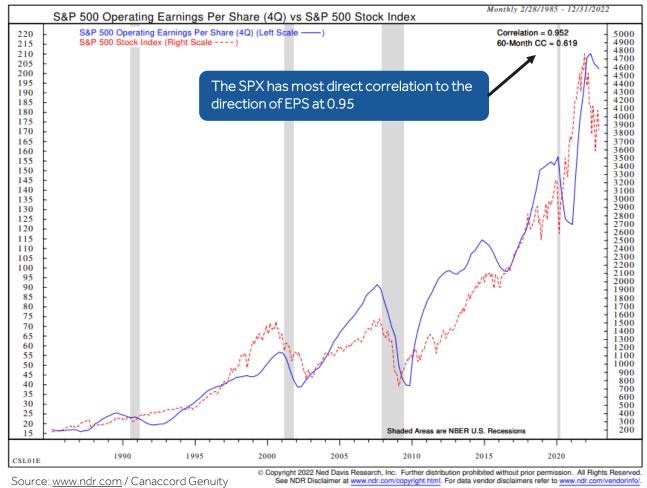
Year	1Q	2Q	3Q	4Q	CY
2008	18.96	19.78	17.49	5.62	65.47
2009	12.83	16.03	16.36	16.80	60.80
2010	19.71	21.48	21.75	22.55	85.28
2011	23.50	24.14	25.65	24.55	97.82
2012	25.60	25.84	26.00	26.32	103.80
2013	26.74	27.40	27.63	28.62	109.68
2014	28.18	30.07	30.04	30.54	118.78
2015	28.60	30.09	29.99	29.52	117.46
2016	26.96	29.61	31.21	31.30	118.10
2017	30.90	32.58	33.45	36.02	132.00
2018	38.07	41.00	42.66	41.18	161.93
2019	39.15	41.31	42.14	41.98	162.93
2020	33.13	27.98	38.69	42.58	139.72
2021	49.13	52.58	53.72	53.95	208.12
2022	54.80	57.62	56.02	53.87	219.80
2023	54.05	56.43	58.56	59.64	229.52
2024					253.37

Industry Analyst Estimates - S&P 500 Bottom Up (\$/share)

Our new 2023 SPX Operating EPS est. of \$210 is currently well below consensus expectations

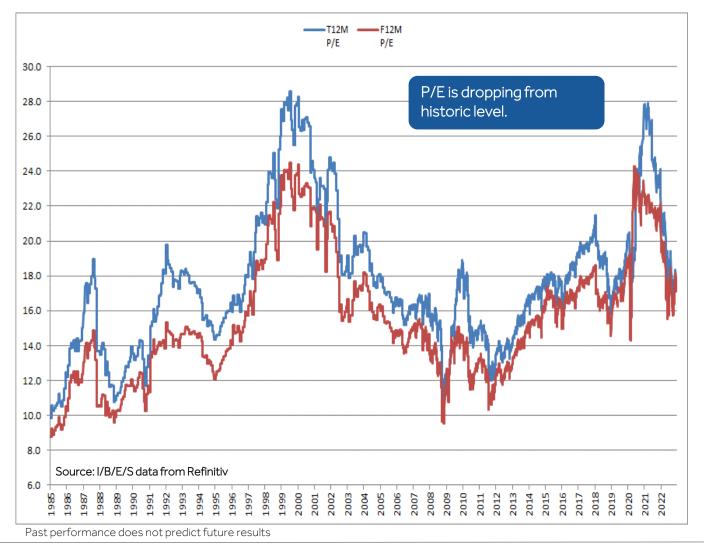
Source: I/B/E/S data from Refinitiv

Earnings Outlook – The SPX Correlates to DIRECTION of EPS

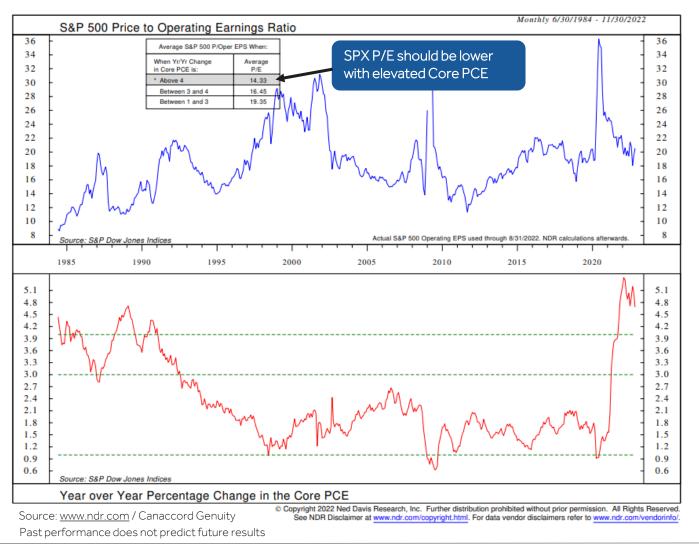


Past performance does not predict future results

Valuation Outlook – What P/E Is Appropriate After Recent Drop?



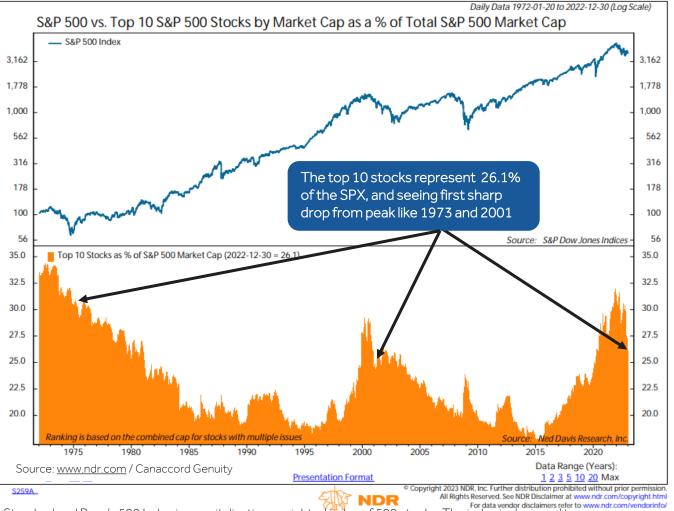
Earnings Outlook – The SPX P/E Driven By Core PCE That Is Elevated



Tactical Outlook – Our Key Tactical Indicators Are In No-Man's Land

- 1. The SPX continues to be top-heavy driven by Nasdaq
- 2. <u>The relative NDX underperformance may have a long way to go</u>
- 3. Our most sensitive tactical indicators are neutral
- 4. Our intermediate-term tactical indicators are neutral

Tactical Outlook – SPX Still Too Top-Heavy, Pressuring Indices



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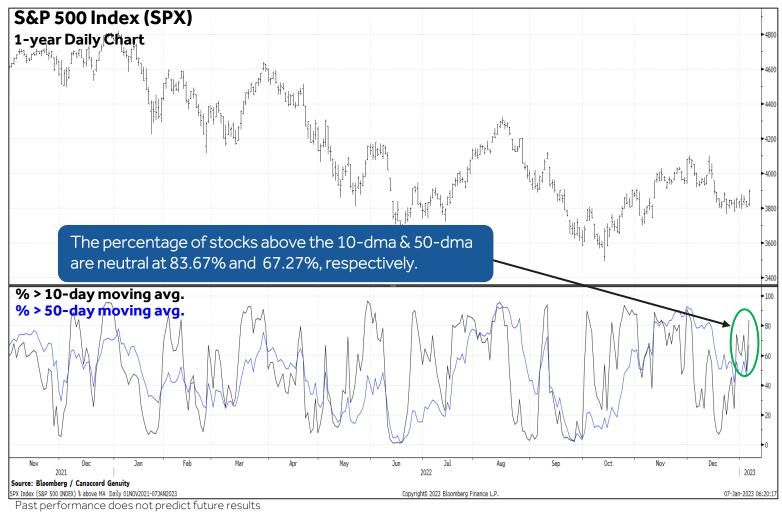
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Tactical Outlook – Nasdaq 100 Relative Performance Unwind



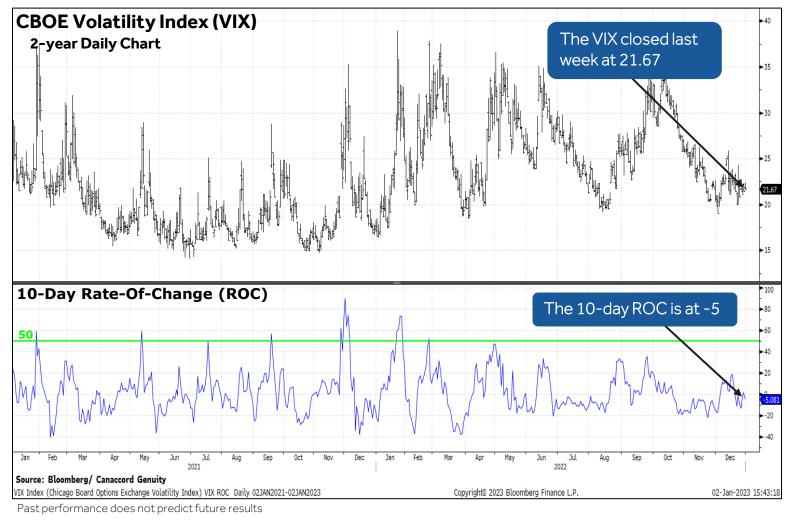
Tactical Outlook – Percent Above 10- & 50-Day Are High Neutral



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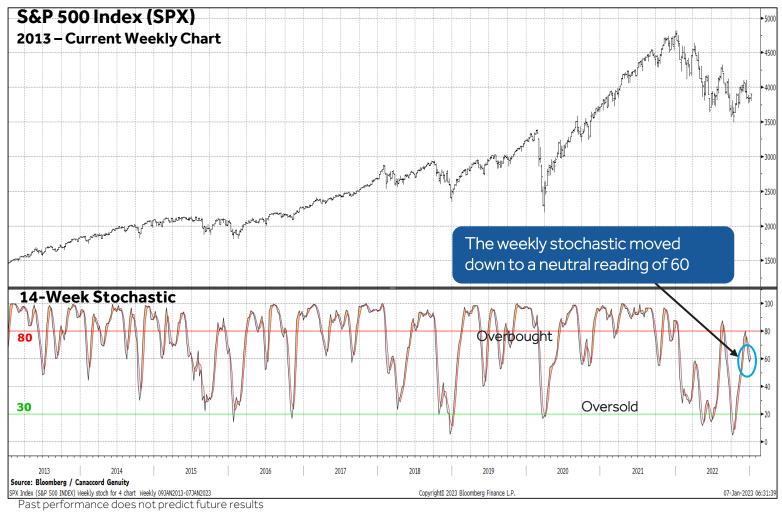
broad domestic economy through changes in the aggregate market value of 500 stocks representing all major industries.

Tactical Outlook – Volatility Pulled Back From Extreme



The Chicago Board Options Exchange Volatility Index reflects a market estimate of future volatility, based on the weighted average of the implied volatilities for a wide range of strikes. 1st & 2nd month expirations are used until 8 days from expiration, then the 2nd and 3rd are used.

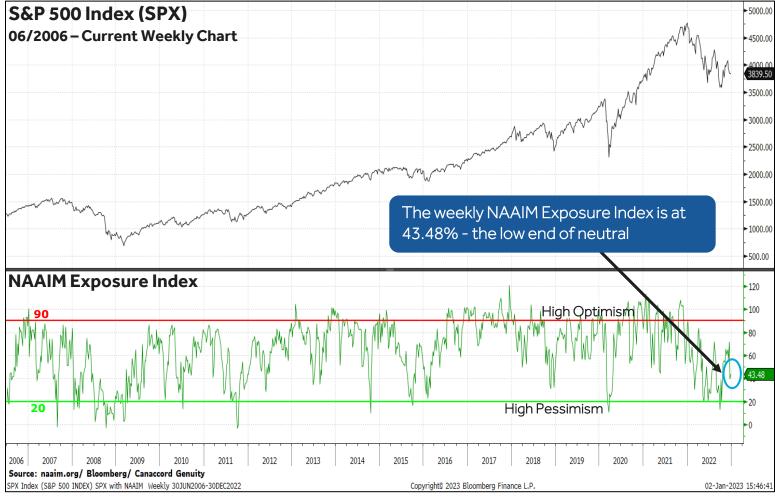
Tactical Outlook – Weekly Stochastic Is In High Neutral Territory



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broad domestic economy through changes in the aggregate market value of 500 stocks representing all major industries.

Tactical Outlook – NAAIM Exposure Index Is Neutral



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Date and time of first dissemination: January 9, 2023, 7:43 am ET Date and time of production: January 9, 2023, 7:40 am ET

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Rating	Coverage	IB Clients	
	#	%	%
Buy	631	66.00%	26.31%
Hold	151	15.79%	17.22%
Sell	14	1.46%	7.14%
Speculative Buy	154	16.11%	40.91%
	956*	100.0%	

*Total includes stocks that are Under Review

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