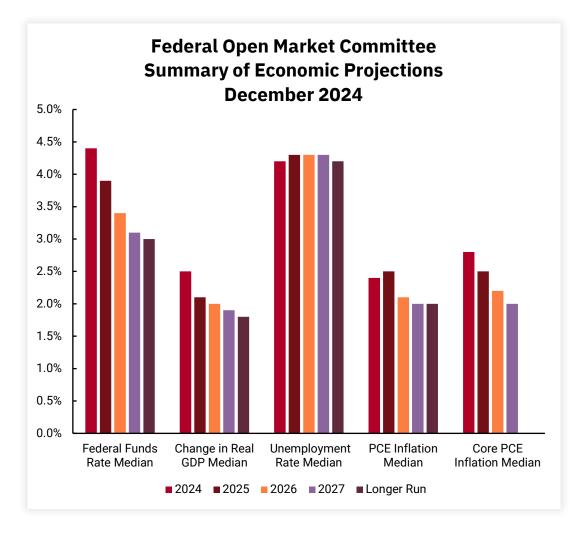
INVESTMENT MANAGEMENT

Weekly market update

Chart of the week (Dec. 20, 2024)





Despite the Federal Reserve lowering rates at their last meeting for 2024, as the market expected, the capital markets reacted negatively to the announcement. The Dow posted 1100 points for its tenth straight day of losses, a streak not seen since 1974. And the Dow was the better performing of the three major large-cap indices, as the S&P 500 lost 3% and the Nasdaq shed 3.6%. In the bond market, longer-term rates rose, and the yield curve continued its "bear steepener," where long rates are moving up as short-term rates are falling, that has been in place since the Fed began lowering rates in September. Since the Fed's first rate cut, ten-year notes are up almost a whole percentage point.

So, what gives? Part of the answer can be seen in the Fed's updated "Summary of Economic Projections" (SEP). In it, their latest forecast now has inflation above their 2% target until 2027, as opposed to 2026 as previously projected. The number of rate cuts in 2025 have been reduced to two, with two more in 2026. In addition, while the Fed continues to see real gross domestic product (GDP) decline from current levels, the decline is slower than previously thought and the outlook for employment remains, almost unbelievably, stable.

Our overall sense is that the capital markets are now having to reprice to an environment of somewhat higher rates for a longer period than previously thought. Higher rates have the impact of reducing the present value of future earnings, leading to lower stock prices today. We have mentioned in previous commentary the full valuation of equity prices. There is nothing inherently wrong with high valuation. Still, it does reduce the room for error in the case of a surprise, like a missed earnings report or a higher interest rate environment than previously expected.

Fed Chair Powell's comments during his press conference displayed the nuanced position in which the Fed finds itself. While stating the economy is strong and the outlook is bright, he was still left explaining why the Fed needed to cut rates this time, and his answers were a bit tortured. Chair Powell also stated they do not anticipate or forecast impacts of future fiscal policy. However, an increase in the expected rate of inflation might signal some level of concern as we think about growth and policies like tariffs going forward.

Overall, there was nothing within the Fed's post-meeting statement, Fed Chair Powell's press conference comments, or the updated SEP that fundamentally changed our outlook. We see many reasons to be optimistic while realistically acknowledging potential headwinds. Based on that, we remain broadly diversified to prudently pursue returns while managing risk.



Weekly Market Update

For Week Ending December 20, 2024

Markets					Equity	y Style								Economic Data		
	Last Price	Change From Prior Week	Change From Year End	Change From Year Ago	6,700	7									Last Release	Year Ago
Capital Markets	Lastince	THOI WEEK	Teal Lila	rear Ago	6,200			S&P 500						Inflation	Last Neicase	Teal Ago
Dow Jones Industrial Avg	42.840.26	-2.2%	15.8%	17.7%								~~~	~~	CPI Headline Inflation	2.7%	3.1%
S&P 500 Index	5,930.85	-2.0%	26.0%	28.0%	5,700					m/	~~~~	w w		CPI Core Inflation	3.3%	4.0%
NASDAQ Composite	19,572.60	-1.8%	31.3%	33.4%	5,200	1 .		~~~		V				Personal Consumption Exp (PCE) Core	2.8%	3.2%
S&P 400 Midcap Index	3.124.28	-4.6%	14.0%	15.7%	4,700									reisonal Consumption Exp (FCE) Core	2.070	3.2 /0
S&P 600 Smallcap Index	1,416.89	-4.8%	9.3%	11.6%	4,200	-								Jobs		
MSCI EAFE	7.986.14	-3.6%	2.6%	4.1%	3,700									Unemployment Rate (U3)	4.2%	3.7%
MSCI EAFE MSCI Emerging Markets	571.83	-3.1%	7.1%	10.0%	3,200									Broader Unemployment Rate (U6)	7.8%	7.0%
		-3.1%														7.0% 8.69
Bloomberg US Agg	2,189.39	-0.7% -0.7%	1.3% 1.0%	1.6%	2,700	1								JOLT Survey (in millions)	7.74	
Bloomberg Municipal 5 Yr	493.86			1.2%	2,200		_				+	+		Jobless Claims (000's)	220	207
Bloomberg US Corporate	3,291.74	-1.0%	2.2%	2.6%	De	ec-23	Feb-24	4 Apr-2	4 Jun-24	Au	g-24 (Oct-24	Dec-24	Change in Non-Farm Payroll (000's)	227	182
Bloomberg Glb Agg ex US Hdg	593.08	-0.2%	5.0%	5.0%										Average Hourly Earnings (Y/Y % Change)	4.0%	4.3%
Bloomberg High Yield	2,677.98	-0.8%	8.0%	8.6%		1	Month ³	*			Υe	ar to Date	e*			
MSCI US REIT Index	2,293.17	-4.4%	6.7%	8.6%			_					_		Consumer & Spending		
Bloomberg Commodity Index	235.43	-1.0%	4.0%	3.6%	V	/alue	Core	Growth	_		Value	Core	Growth	Consumer Confidence (Conf Board)	111.7	101.0
					e e					Э				Consumer Spending (\$ Bil)	20,195	19,151
	Last Price/Yield	Prior Week	Year End	Year Ago	Large	3.60	0.36	3.29	> 10%	aľć	12.77	26.01	37.64	Consumer Credit (\$ Bil)	5,113	5,000
Key Rates										ا لــ				Retail Sales (\$ Bil)	725	698
Fed Funds Target	4.50%	4.75%	5.50%	5.50%	-					~						
3-Month Treasury	4.32%	4.32%	5.33%	5.38%	Mid	3.42	-3.22	-3.04	0% - 10%	Mid	11.02	13.98	16.72	Housing		
1-Year Treasury	4.24%	4.23%	4.76%	4.86%	_					_				Housing Starts (000's)	1,289	1,510
2-Year Treasury	4.31%	4.24%	4.25%	4.33%	=					= 1				Case-Shiller Home Price Index	324.80	312.63
5-Year Treasury	4.38%	4.25%	3.85%	3.84%	Small	2.28	-3.34	-4.45	<0%	Small	7.67	9.28	10.68			
7-Year Treasury	4.45%	4.32%	3.88%	3.87%	٠,					တ				U.S. Productivity		
10-Year Treasury	4.52%	4.40%	3.88%	3.85%	*S&	RP Indices			_					Real Gross Domestic Product (\$ Bil)	23,400	22,781
30-Year Treasury	4.72%	4.60%	4.03%	3.99%										Quarter over Quarter Change	3.1%	4.4%
•					Fixed	Income	e Style							Year Over Year Change	2.7%	3.2%
Consumer Rates						,	-							ISM Manufacturing	48.40	46.60
30-Year Mortgage	7.22%	7.13%	6.99%	5.83%	5.50%	6 7			Yield Curve	•				Capacity Utilization	76.80	78.42
Prime Rate	8.25%	8.50%	9.25%	9.25%	5.25%	6 -			_		irrent			Markit US Composite PMI	56.60	50.90
SOFR	4.30%	4.60%	5.38%	5.31%						Ou	incin				00.00	00.00
33.11	11.0070	1.0070	0.0070	0.0170	5.00%	6 -			_	—1 Y	ear Ago			U.S. General		
Commodities					4.75%	6 -							_	Leading Economic Indicators	99.7	103.3
Gold (spot)	2,622.91	2,648.23	2,062.98	2,031.39	4.500	,								Trade Weighted Dollar Index	127.6	121.5
Crude Oil WTI	69.46	71.29	69.47	74.22	4.50%	6 -								EUR / USD	1.04	1.09
Gasoline	3.05	3.02	3.12	3.12	4.25%	6 -		_/						JPY/USD	156.31	143.57
Natural Gas	3.75	3.28	2.33	2.45										CAD / USD	0.70	0.75
Copper	4.04	4.15	3.79	3.90	4.00%	6 -							_	AUD / USD	0.70	0.75
Сорреі	4.04	4.13	3.19	3.90	3.75%	6 -								A0D / 03D	0.63	0.67
	P/E	P/E	Dulas ta	Current Div	3.50%		+		-					S&P 500 Sector Returns		
		P/E Trailing	Price to Book	Current DIV Yield		3	Мо	2 Yr	5 Yr	7 Yı	r 10	0 Yr	30 Yr	S&P 500 Sector Returns	1 Month	YTD
Index Observated at a	Forward	irailing	BOOK	rieia			NA 11-						-+			
Index Characteristics					,	-	Month				Short	ear to Date		Communication Services	3.87%	41.38%
Dow Jones Industrial Avg	20.23	21.90	5.21	1.63	_	Short	Interm.	Long	_		SHOIL	Interm.	Long	Information Technology	3.11%	38.36%
S&P 500	22.01	24.85	5.15	1.30	7	0.00	0.07	4.45		₹	0.00	0.00	- 00	Consumer Discretionary	8.03%	32.96%
S&P 500 Value	16.47	17.72	2.79	2.38	Govt	0.33	0.07	-1.47	> 10%	Govt	3.80	2.30	-5.82	Financials	-2.16%	30.47%
S&P 500 Growth	28.01	33.46	11.78	0.62					•	_				Utilities	-5.09%	23.58%
NASDAQ	28.98	36.81	7.18	0.67	و ا					ا م				Industrials	-3.66%	18.74%
S&P Midcap 400	16.34	17.48	2.56	1.71	Corp	0.33	0.04	-1.07	0% - 10%	Corp	5.06	4.11	-1.53	Consumer Staples	-0.04%	16.30%
S&P Smallcap 600	16.25	17.38	1.89	2.37						١				Real Estate	-6.19%	4.36%
MSCI EAFE	13.92	13.60	1.75	3.26			_			_ [Energy	-12.63%	3.15%
MSCI Emerging Markets	11.85	13.56	1.70	91.74	높	0.28	-0.08	-0.26	<0%	눞	9.17	8.02	6.30	Health Care	-3.44%	2.44%
										_				Materials	-7.31%	1.21%
Source: Bloomberg					1	I-3 Yrs	1-10 Yrs	+10 Yrs	-		1-3 Yrs	1-10 Yrs	+10 Yrs			

© 2024 BOK Financial Corp. Services provided by BOKF, NA, Member FDIC. BOKF, NA is the banking subsidiary of BOK Financial Corporation, BOK Financial Corporation (BOKF) offers wealth management and trust services through various affiliate companies and non-bank subsidiaries including advisory services offered by BOKF, NA and and its subsidiary Cavanal Hill Investment Management, Inc., an SEC registered investment adviser. BOKF offers additional investment services and products through its subsidiary BOK Financial Securities, Inc., a broker/dealer, member FINRA/SIPC, and an SEC registered investment adviser. BOKF offers additional investment adviser. BOKF offers additional investment adviser. The information in the report was prepared by (SIA) Strategic Investment Advisors of BOKF, NA which is a division of BOK Financial Corporation.

This report is not to be considered a recommendation of any particular security, strategy or investment product, nor is it intended to provide personal investment advice. It does not take into account any specific investment objectives, financial situations, or particular needs of any specific person who may receive this report. The information provided in this presentation is for informational purposes only and is not an offer to buy any securities in any jurisdiction. Investment advice regarding the appropriateness of investing in any securities, other investment or investment strategies discussed in this report and should understand that statements regarding future prospects may not be realized. Information contained herein has been obtained from sources believed to be reliable, but not guaranteed.

Investments are not insured by the FDIC and are not guaranteed by any bank or bank affiliate. Investments are subject to risks, including the possible loss of the principal amount invested. This report may not be reproduced, redistributed, retransmitted or disclosed, or referred to in any publication, in whole or in part, or in any form or manner, without the express written consent of BOKF. Any unauthorized use or disclosure is prohibited.

Disclosures



The information provided herein was prepared by the Investment Management team of BOKF, NA. BOKF, NA is the bank subsidiary of BOK Financial Corporation (BOKF), a financial services holding company (NASDAQ:BOKF). BOKF offers trust and wealth management services through its subsidiaries including BOKF, NA (and its banking divisions Bank of Oklahoma, Bank of Texas, Bank of Albuquerque, and BOK Financial) and investment advisory services through its non-bank subsidiaries, Cavanal Hill Investment Management, Inc., and BOK Financial Private Wealth, Inc., each an SEC registered investment adviser, and BOK Financial Securities, Inc., also an SEC registered investment adviser and registered broker/dealer, member FINRA/SIPC (each an "Investment Affiliate") (collectively, "BOKF"). Distribution of this document is intended for informational purposes. Information contained herein has been obtained from sources believed to be reliable, but not guaranteed. The opinions expressed herein reflect the judgment of the author(s) as of the date prepared and are subject to change without notice and are not a complete analysis of any sector, industry, or security regardless of the date on which the reader may receive or access the information. The information provided is intended to be educational in nature and not advice relative to any investment or portfolio offered through an Investment Affiliate, and does not constitute any form of regulated financial, legal, or tax advice, or other regulated financial service. The content provided herein is not a solicitation for the investment management services of any Investment Affiliate, nor is it intended to constitute a recommendation for, or advice to, any specific person on behalf of any Investment Affiliate, as it does not take into account the financial objectives, situation, or needs of any specific person. This information is provided on the understanding that the recipient has sufficient knowledge and experience to be able to understand and make their own evaluation of said content, any risks associated therewith, and any related legal, tax, accounting, or other material considerations. Recipients should not solely rely on this material in making any future investment decision. To the extent that the recipient has any questions regarding the applicability of any specific issue discussed above to their specific portfolio or situation, they are encouraged to consult with a qualified lawyer, accountant, or financial professional.

This document may contain forward-looking statements that are based on management's beliefs, assumptions, current expectations, estimates, and projections, the securities and credit markets and the economy in general. Words such as "anticipates," "believes," "estimates," "expects," "forecasts," "plans," "projects," variations of such words and similar expressions are intended to identify such forward-looking statements. Management judgments relating to and discussion of the value and potential future value or performance of any security, group of securities, type of security or market segment involve judgments as to expected events and are inherently forward-looking statements. These statements are not guarantees of future performance. Likewise, past performance is not a guarantee of future results. This content is prepared for the use of the Investment Affiliates and their clients and prospective clients, and may not be reproduced, redistributed, retransmitted or disclosed, or referred to in any publication, in whole or in part, or in any form or manner, without the express written consent of BOKF or BOKF, NA. Any unauthorized use or disclosure is prohibited. Receipt and review of this document constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein. This report should not be distributed without the attached disclosures, and is considered incomplete if the disclosures are not attached.

*This chart is for illustrative purposes only and not indicative of any actual investment.

Asset allocation, diversification, and rebalancing do not ensure a profit or protect against loss in declining markets. Investing involves risks, including possible loss of principal, and there is no guarantee that investment objectives will be achieved.

BOK Financial® is a trademark of BOKF, NA. Member FDIC. Equal Housing Lender. 2024 BOKF, NA.

INVESTMENT AND INSURANCE PRODUCTS ARE: NOT FDIC INSURED | NOT GUARANTEED BY THE BANK OR ITS AFFILIATES | NOT DEPOSITS | NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY | MAY LOSE VALUE