

# YIELD ANALYSIS

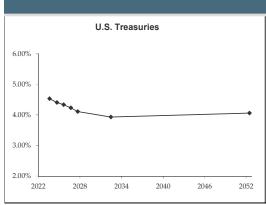
*November 1, 2022* 

U.S. Treasury Yields					
Coupon	Maturity	YTM			
0.000%	10/05/23	4.53%			
4.375%	10/31/24	4.41%			
4.250%	10/15/25	4.34%			
1.125%	10/31/26	4.23%			
4.125%	10/31/27	4.11%			
2.750%	08/15/32	3.93%			
3.000%	08/15/52	4.06%			

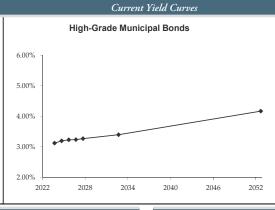
2024

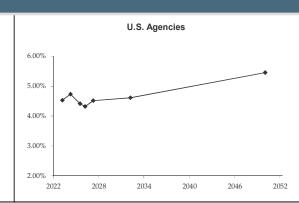
I	Municipal Bond Yields <sup>1</sup>					
-	Maturity	YTM	Tax-Equiv. <sup>2</sup>			
	10/31/23	3.12%	4.46%			
	10/31/24	3.20%	4.57%			
	10/31/25	3.23%	4.61%			
	10/31/26	3.24%	4.62%			
	10/31/27	3.27%	4.67%			
	10/31/32	3.40%	4.86%			
	10/31/52	4.17%	5.96%			

U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
FAMCA	0.375%	04/20/23	\$98.08	4.53%	+6
FFCB	3.100%	05/01/24	\$97.63	4.73%	+16
FNMA	0.375%	08/25/25	\$89.39	4.41%	-20
FNMA	2.125%	04/24/26	\$92.94	4.32%	-31
FFCB	2.860%	05/18/27	\$93.17	4.51%	-16
FHLB	3.250%	04/02/32	\$89.58	4.61%	-24
FFCB	2.760%	02/03/50	\$61.70	5.45%	-51



2026





Corporate Bond Yields					
Description	Price	YTM	To Treasury (bp)		
C (A2/A) 0.75% 6/7/2024	\$93.54	4.98%	+57		
WFC (A1/BBB+) 3.2% 6/17/2027	\$90.93	5.93%	+169		
BAC (A2/A-) 2.09% 6/14/2029	\$81.50	5.73%	+162		
MS (A1/A-) 1.93% 4/28/2032	\$73.53	5.75%	+182		
6.50% - 5.50% - 4.50% - 3.50% - 2.50%	•		•		

Butter & Cuttuble Agency Bond Tretas					
Desc	cription	Call Date	Price	YTM	YTW
FHLB 1.25% 3	/21/2023	11/21/22	\$98.76	4.51%	4.51%
FFCB 1.67% 3/	/8/2024	03/08/23	\$97.25	3.79%	3.79%
FHLB 3% 3/25	/2027	11/25/22	\$96.62	3.85%	3.84%
FFCB 2.94% 2/	/23/2032	02/23/23	\$96.13	3.43%	3.43%
6.50% - 4.50% - 4.50% - 2.50% -				1	•
2022	2024	2026	2028	2030	2032

Rullet er Callable Agency Rond Vields

2030



*November 4, 2022* 

#### **MARKET STATISTICS**

## **INDEX RETURNS**

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	-3.35	-2.59	-19.85
DJIA	-1.40	-1.00	-9.33
Nasdaq	-5.65	-4.63	-32.58
Russell 1000	-3.42	-2.70	-20.75
Russell 2000	-2.55	-2.52	-18.96
Russell 3000	-3.37	-2.68	-20.64

FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	-3.09	-2.63	-22.89
MSCI ACWI xUSA	-0.35	-0.43	-24.26
MSCI EAFE	-1.04	-1.09	-23.58
MSCI EM	1.81	1.52	-28.14

FIXED INCOME (%)						
	WTD	MTD	YTD			
US Intermediate Gov/Cred	-0.63	-0.42	-10.40			
U.S. Aggregate	-0.74	-0.32	-15.99			
US Corp High Yield	-1.34	-0.92	-13.34			
Municipal Bond	0.45	0.35	-12.56			

OTHERS (%)			
	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	-1.66	-1.53	-26.69
Alerian MLP Index	-0.64	-0.74	34.53
S&P GSCI Index Spot Indx	1.31	1.26	14.91
Dollar Index Spot	0.02	-0.67	15.79

## **RUSSELL STYLE**

RETURNS YTD (%)			
	VALUE	CORE	GROWTH
Large Cap	-9.97	-20.75	-30.09
Mid Cap	-13.65	-18.95	-28.35
Small Cap	-12.60	-18.96	-25.24

## **ECONOMIC SCORECARD**

SELECTED RELEASES			
	ESTIMATE	ACTUAL	DIFFERENCE
Change in Nonfarm Payrolls	193k	261k	68k
Unemployment Rate	3.6%	3.7%	0.1%
Average Hourly Earnings YoY	4.7%	4.7%	0.0%
Labor Force Participation Rate	62.3%	62.2%	-0.1%
ISM Manufacturing	50	50.2	0.2
ISM Services Index	55.3	54.4	-0.9

# **COMMODITY PRICES**

ALTERNATIVES			
	11/4/2022	10/31/2022	12/31/2021
Generic Crude Oil Future	\$92.48	\$86.53	\$75.21
Generic Gold Future	\$1,684.60	\$1,640.70	\$1,828.60
Dollar Index Spot	\$110.78	\$111.53	\$95.67
Euro Spot	\$1.00	\$0.99	\$1.14

SECTOR RETURNS (%)					
	YTD				
Discretionary	-33.33				
Staples	-5.02				
Energy	71.03				
Financials	-11.84				
Health Care	-6.04				
Industrials	-8.97				
Info Tech	-30.20				
Materials	-15.42				
Real Estate	-28.58				
Communication Services	-42.53				
Utilities	-4.18				



3.50%

2.50%

2024

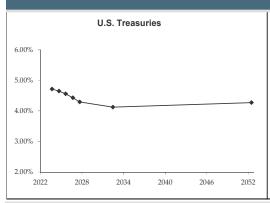
# YIELD ANALYSIS

November 8, 2022

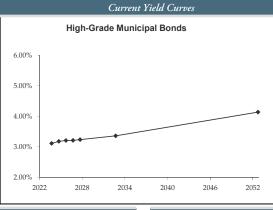
U.S. Treasury Yields					
Coupon	Maturity	YTM			
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2.750%	08/15/32	4.13%			
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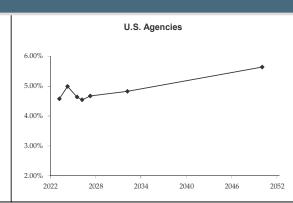
	Municipal Bond Yields <sup>1</sup>					
Maturity YTM		Tax-Equiv. <sup>2</sup>				
	11/07/23	3.11%	4.45%			
	11/07/24	3.18%	4.54%			
	11/07/25	3.21%	4.58%			
	11/07/26	3.21%	4.59%			
	11/07/27	3.24%	4.63%			
	11/07/32	3.36%	4.80%			
	11/07/52	4.14%	5.91%			

U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
FAMCA	0.375%	04/20/23	\$98.14	4.57%	+13
FFCB	3.100%	05/01/24	\$97.30	4.99%	+45
FNMA	0.375%	08/25/25	\$88.93	4.63%	+5
FNMA	2.125%	04/24/26	\$92.27	4.54%	-5
FFCB	2.860%	05/18/27	\$92.59	4.67%	+4
FHLB	3.250%	04/02/32	\$88.11	4.82%	+2
FFCB	2.760%	02/03/50	\$59.88	5.64%	-28

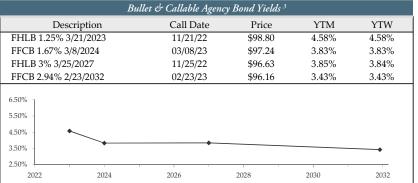


2026





Corporate Bond Yields					
Description	Price	YTM	To Treasury (bp)		
C (A2/A) 0.75% 6/7/2024	\$93.25	5.24%	+59		
WFC (A1/BBB+) 3.2% 6/17/2027	\$90.99	5.95%	+151		
BAC (A2/A-) 2.09% 6/14/2029	\$81.17	5.91%	+162		
MS (A1/A-) 1.93% 4/28/2032	\$73.19	5.88%	+176		
6.50% 5.50% 4.50%	•	-			



2028

2030



November 11, 2022

#### MARKET STATISTICS

# **INDEX RETURNS**

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	5.90	3.19	-15.09
DJIA	4.15	3.18	-5.51
Nasdaq	8.10	3.10	-27.11
Russell 1000	6.06	3.24	-15.92
Russell 2000	4.60	2.00	-15.20
Russell 3000	5.97	3.16	-15.87

FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	4.66	3.69	-17.88
MSCI ACWI xUSA	4.12	6.28	-19.16
MSCI EAFE	5.72	7.02	-17.31
MSCI EM	0.52	4.92	-25.74

FIXED INCOME (%)					
	WTD	MTD	YTD		
US Intermediate Gov/Cred	1.62	1.27	-8.88		
U.S. Aggregate	2.29	1.91	-14.10		
US Corp High Yield	1.20	0.38	-12.20		
Municipal Bond	1.40	1.73	-11.35		

OTHERS (%)			
	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	6.23	4.60	-22.13
Alerian MLP Index	0.15	-0.58	34.74
S&P GSCI Index Spot Indx	-4.29	0.08	13.58
Dollar Index Spot	-4.07	-4.62	11.18

# **RUSSELL STYLE**

RETURNS YTD (%)					
	VALUE	CORE	GROWTH		
Large Cap	-5.82	-15.92	-24.72		
Mid Cap	-8.86	-13.84	-22.83		
Small Cap	-8.77	-15.20	-21.59		

## **ECONOMIC SCORECARD**

SELECTED RELEASES			
	ESTIMATE	ACTUAL	DIFFERENCE
CPI YoY	7.9%	7.7%	-0.2%
CPI Ex Food and Energy YoY	6.5%	6.3%	-0.2%
<b>UofMich Consumer Sentiment</b>	59.5	54.7	-4.8
NFIB Small Business Optimism	91.4	91.3	-0.1
Initial Jobless Claims	220k	225k	5k
Continuing Claims	1492k	1493k	1k

## **COMMODITY PRICES**

ALTERNATIVES			
	11/11/2022	10/31/2022	12/31/2021
Generic Crude Oil Future	\$88.98	\$86.53	\$75.21
Generic Gold Future	\$1,770.60	\$1,640.70	\$1,828.60
Dollar Index Spot	\$106.37	\$111.53	\$95.67
Euro Spot	\$1.04	\$0.99	\$1.14

SECTOR RETURNS (%)				
	YTD			
Discretionary	-29.35			
Staples	-2.75			
Energy	74.46			
Financials	-6.75			
Health Care	-4.36			
Industrials	-4.68			
Info Tech	-23.17			
Materials	-8.87			
Real Estate	-23.52			
Communication Services	-37.23			
Utilities	-2.75			



# OUTLOOKS

November 2022

#### **ECONOMIC OUTLOOK**

# Summary

The Fed has been expeditiously pushing the overnight borrowing rate to its highest levels since 2007 in an attempt to slow the economy and rate of inflation. With that context, and following the negative GDP growth during the first two quarters of the year, it may have been a surprise to see a 2.6% increase in GDP during the third quarter. What may be even more surprising is that, while still very early in the quarter, the Atlanta Fed's GDPNow is currently projecting 3.6% growth for the fourth quarter. While better-than-expected GDP growth is certainly good news, the implication is that a stronger economy can accommodate and will require a more aggressive stance by the Fed in their battle with inflation.

However, the effects of the Fed's various rate hikes are still working their way through the economy. Textbook thinking says the impact from any rate hike can have a lag of between 6 months to 18 months before it shows in the data. If that is accurate, at the earliest end of the spectrum, the economy has only digested the initial 25 basis point (bp) and 50 bp hikes from March and May, respectively. At that point, a 0.75% to 1.00% overnight rate was likely well below the "neutral" policy rate, so it would make sense that the economy could still be growing at a decent clip.

Since then, there have also been continuously strong non-farm payrolls, the unemployment rate has barely budged and the year-over-year inflation data (CPI and Core PCE) is only marginally lower than it was in March; in fact, in the case of Core CPI, it has actually increased. We've also seen four consecutive historically large 75 bp rate hikes and at some point in the not-too-distant future those hikes will have a negative influence on the economic data.

The Fed has intentionally frontloaded this rate hiking cycle. They now need to decide if they will continue focusing on backward-

looking data points or if they will be more forward-looking and account for their actions already taken. They recently acknowledged the pace of their rate hiking cycle will likely slow within the next two meetings but countered with the fact that peak rates are likely to be higher than previously discussed. Overall, this is a positive development since they risk materially overshooting the "neutral" rate if they keep pushing the overnight rate higher without first seeing its impact in the data. If that were to occur, we could see a more severe economic downturn than the Fed had anticipated.

# **Positives**

3rd quarter GDP came in 0.2% better than expectations (2.6% vs. 2.4% est.)

October non-farm payrolls beat expectations by 68,000 jobs (261k vs. 193k est.)

September retail sales (excluding autos and gas) beat expectations (0.3% vs. 0.2% est.)

# Negatives

The unemployment rate was slightly worse than expected (3.7% vs. 3.6% est.)

ISM Manufacturing has declined for five consecutive months (50.2)

Pending home sales year-over-year have collapsed (-30.4%)



# OUTLOOKS

November 2022

#### **EQUITY OUTLOOK**

# Summary

The month of October saw a sharp rebound for equity markets following big declines the previous two months. The S&P 500 rallied 8.1% for the month with value stocks outperforming their growth peers by a wide margin. The Russell 1000 Value Index climbed 10.3% while the Russell 1000 Growth Index rose 5.8%. The question of the moment for stocks is whether this is yet another bear market rally like we witnessed over the summer or whether this could mark the beginning of a new bull market.

Last month we highlighted the importance of third quarter earnings and the potential impact those announcements might have on equity markets. To date, earnings results and perhaps more importantly forward guidance has been fairly resilient. Certainly there have been some disappointing results as indicated by the wide disparity of sector returns in October. Take for example the best returning energy and industrials sectors soared 25.0% and 13.9% respectively while the laggards, consumer discretionary and communication services, eked out mere 0.2% and 0.1% gains. While there are still several hurdles to overcome, overall earnings results to date increase our conviction the market recovery may be underway.

Economic uncertainty and lingering questions about the path of Federal Reserve tightening will undoubtedly continue to

weigh on capital markets. However, putting the mid-term elections in the rearview mirror should be a positive catalyst for stocks. Attractive valuations along with reasonably stable fundamentals should provide a healthy backdrop for long-term equity investors.

# **Positives**

Sentiment, as a contrarian measure, is quite negative

Equity valuations

# Negatives

A few more rounds of rate hikes are expected, reminding us of the mantra "Don't fight the Fed"

European energy crisis looms

# Unknowns

Inflation components diverging



# OUTLOOKS

November 2022

#### FIXED INCOME OUTLOOK

# Summary

Volatility continued in October as the 61 basis point (bp) closing level trading range of the 10-year Treasury yield was almost twice the 30-year average. In fact every month this year has seen the trading range at or above the long-run average with nearly double the range in each of the past three months. Yields dropped about 20 bps across the curve during the first two days of the month but then moved sharply higher as strong labor market and inflation reports reinforced that the Federal Reserve has a lot more to do to in their fight against inflation. Fed speakers were consistent in their messaging that it was premature to think about easing next year. Global yields also increased as central banks around the world hiked rates. Overall for the month, the 2-year and 10-year Treasury notes increased by just over 20 bps as the 30-year increased by nearly 40 bps. Credit spreads followed the same pattern by tightening a handful of bps before moving wider by 13 bps, only to come back in and end the month nearly unchanged.

With yields higher and spreads little changed, the broad market index returns were again negative as they have been in eight of the 10 months this year. With the back-up in yields and spreads, long-maturity corporate bonds have become much more attractive to the traditional buyers in this segment of the market, namely pension funds and insurance companies. Their interest led long-maturity corporate bonds to much better performance than comparable maturity Treasury notes. In the intermediate maturity range, these two sectors had comparable monthly returns. For the calendar year overall, the 2-year Treasury note yield is up 3.75% from the 2021 closing level. The 10-year is about 2.50% higher and the 30-year is 2.25% higher. The decline in value for bond investors has been about five times greater than the previous largest yearly decline which was in 1994. The good news is that bonds are contractual obligations with maturity dates. The decline in value will be made up as they approach their maturity date.

The Fed again increased the overnight rate by 75 bps in early November. Their accompanying Federal Reserve's Open Market Committee (FOMC) statement set up expectations for a moderation in the pace of hikes. But then during Chairman

Powell's Q&A session he set a decisively hawkish tone leading to the need for more rate increases and staying wherever needed for a longer period. While it is now set to increase just 50 bps, he let it be known this does not indicate an end of the tightening process or even a pause. He also made an effort to clearly close the door on any reversal of policy. All considered, the market is currently reflecting this renewed elevated and elongated path of the overnight rate. We expect the move higher in yields will occur not when the markets catch up with the Fed, but rather when the Fed catches up with inflation. Whether we are fully there yet or not, we believe the bulk of the bond price destruction is likely behind us. Yields should peak sometime soon if they haven't already. Corporate bonds look exceptionally attractive at these levels barring a severe recession, which we are not expecting. Bond math should begin to work in favor of investors who have weathered this tough market.

# Positives

Long-run inflation expectations remain anchored

U.S. corporate bond yields are the highest in 15 years

Bonds should offer an increasing diversification benefit

# Negatives

The Fed focused solely of rear-view inflation data

Overnight rate to remain elevated through next year

# Unknowns

Impact on market liquidity as the Fed's balance sheet run-off accelerates

Resolution of the Russia/Ukraine war and escalation of hostilities with China



# YIELD ANALYSIS

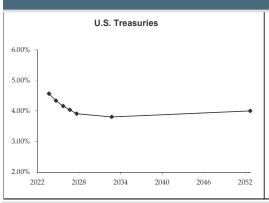
November 15, 2022

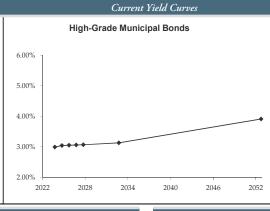
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4.125%	11/15/32	3.80%			
4.000%	11/15/52	4.00%			

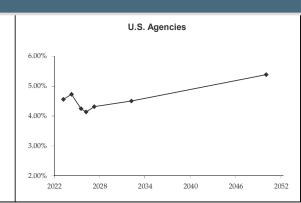
2024

Municipal Bond Yields <sup>1</sup>				
Maturity	YTM	Tax-Equiv. <sup>2</sup>		
11/14/23	3.00%	4.28%		
11/14/24	3.05%	4.35%		
11/14/25	3.06%	4.36%		
11/14/26	3.06%	4.37%		
11/14/27	3.07%	4.39%		
11/14/32	3.13%	4.48%		
11/14/52	3.91%	5.59%		

U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
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FFCB	2.760%	02/03/50	\$62.41	5.38%	-21







Corporate Bond Yields				
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WFC (A1/BBB+) 3.2% 6/17/2027	\$92.46	5.58%	+154	
BAC (A2/A-) 2.09% 6/14/2029	\$83.54	5.44%	+153	
MS (A1/A-) 1.93% 4/28/2032	\$75.30	5.55%	+174	
6.50% - 5.50% - 4.50% - 3.50% -	•		•	
2.50%		1	<del></del>	

	Биі	iei O Caitabie Agen	ty Dona Tietas		
Descr	ription	Call Date	Price	YTM	YTW
FHLB 1.25% 3/2	21/2023	12/21/22	\$98.86	4.57%	4.57%
FFCB 1.67% 3/8	/2024	03/08/23	\$97.19	3.90%	3.90%
FHLB 3% 3/25/2	2027	11/25/22	\$96.46	3.89%	3.89%
FFCB 2.94% 2/2	3/2032	02/23/23	\$95.88	3.47%	3.46%
6.50% - 5.50% - 4.50% - 3.50% -		•			
2022	2024	2026	2028	2030	2032

Rullet er Callable Agency Rond Vields

2028

2030



November 18, 2022

#### **MARKET STATISTICS**

## **INDEX RETURNS**

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	-0.69	2.56	-15.61
DJIA	-0.01	3.29	-5.41
Nasdaq	-1.57	1.55	-28.21
Russell 1000	-0.91	2.37	-16.62
Russell 2000	-1.75	0.26	-16.64
Russell 3000	-0.97	2.24	-16.63

FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	-0.98	4.60	-17.16
MSCI ACWI xUSA	-0.49	9.10	-17.00
MSCI EAFE	-0.88	8.80	-15.93
MSCI EM	0.71	11.16	-21.32

FIXED INCOME (%)			
	WTD	MTD	YTD
US Intermediate Gov/Cred	0.19	1.47	-8.70
U.S. Aggregate	0.62	2.55	-13.57
US Corp High Yield	0.60	0.98	-11.67
Municipal Bond	1.87	3.64	-9.69

OTHERS (%)			
	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	-1.53	3.00	-23.31
Alerian MLP Index	-0.32	-0.66	34.63
S&P GSCI Index Spot Indx	-3.52	-2.03	11.18
Dollar Index Spot	0.67	-4.05	11.85

# **RUSSELL STYLE**

RETURNS YTD (%)			
	VALUE	CORE	GROWTH
Large Cap	-6.33	-16.62	-25.58
Mid Cap	-10.04	-15.21	-24.48
Small Cap	-10.42	-16.64	-22.83

## **ECONOMIC SCORECARD**

SELECTED RELEASES			
	ESTIMATE	ACTUAL	DIFFERENCE
PPI Final Demand MoM	0.4%	0.2%	-0.2%
Retail Sales Advance MoM	1.0%	1.3%	0.3%
Existing Home Sales	4.40m	4.43m	0.03m
NAHB Housing Market Index	36	33	-3.0
Initial Jobless Claims	228k	222k	-6k
Continuing Claims	1510k	1507k	-3k

# **COMMODITY PRICES**

ALTERNATIVES			
	11/18/2022	10/31/2022	12/31/2021
Generic Crude Oil Future	\$80.27	\$86.53	\$75.21
Generic Gold Future	\$1,751.50	\$1,640.70	\$1,828.60
Dollar Index Spot	\$107.01	\$111.53	\$95.67
Euro Spot	\$1.03	\$0.99	\$1.14

SECTOR RETURNS (%)					
	YTD				
Discretionary	-31.55				
Staples	-1.07				
Energy	71.23				
Financials	-8.13				
Health Care	-3.37				
Industrials	-4.82				
Info Tech	-23.77				
Materials	-10.29				
Real Estate	-24.87				
Communication Services	-37.28				
Utilities	-1.70				



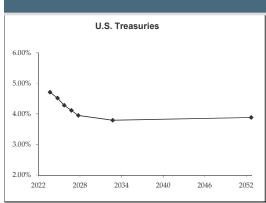
# YIELD ANALYSIS

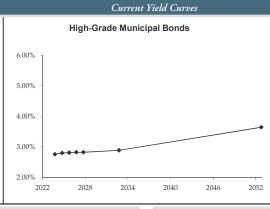
November 22, 2022

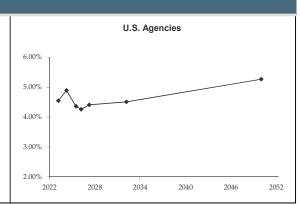
U.S. Treasury Yields						
Coupon	Maturity	YTM				
0.000%	11/02/23	4.71%				
4.500%	11/30/24	4.52%				
4.500%	11/15/25	4.28%				
1.250%	11/30/26	4.12%				
3.875%	11/30/27	3.95%				
4.125%	11/15/32	3.79%				
4.000%	11/15/52	3.88%				

Municipal Bond Yields <sup>1</sup>						
Maturity	YTM	Tax-Equiv. 2				
11/21/23	2.76%	3.94%				
11/21/24	2.80%	4.00%				
11/21/25	2.81%	4.02%				
11/21/26	2.82%	4.03%				
11/21/27	2.83%	4.04%				
11/21/32	2.89%	4.12%				
11/21/52	3.64%	5.20%				

U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
FAMCA	0.375%	04/20/23	\$98.31	4.55%	+61
FFCB	3.100%	05/01/24	\$97.50	4.89%	+89
FNMA	0.375%	08/25/25	\$89.72	4.36%	+34
FNMA	2.125%	04/24/26	\$93.21	4.26%	+23
FFCB	2.860%	05/18/27	\$93.66	4.41%	+37
FHLB	3.250%	04/02/32	\$90.36	4.51%	+38
FFCB	2.760%	02/03/50	\$63.67	5.26%	+6







Corporate Bond Yields					
Description	Price	YTM	To Treasury (bp)		
C (A2/A) 0.75% 6/7/2024	\$93.70	5.04%	+51		
WFC (A1/BBB+) 3.2% 6/17/2027	\$92.75	5.53%	+142		
BAC (A2/A-) 2.09% 6/14/2029	\$83.59	5.44%	+149		
MS (A1/A-) 1.93% 4/28/2032	\$75.74	5.49%	+169		
6.50% - 4.50% - 3.50% - 2.50% -	•	-	•		
2024 2026	2028	2030	2032		

	Buttet & Catalote Agency Bona Tietas					
Desc	ription	Call Date	Price	YTM	YTW	
FHLB 1.25% 3/	21/2023	12/21/22	\$98.85	4.80%	4.80%	
FFCB 1.67% 3/8	8/2024	03/08/23	\$97.24	3.89%	3.89%	
FHLB 3% 3/25/	/2027	12/25/22	\$96.52	3.88%	3.88%	
FFCB 2.94% 2/2	23/2032	02/23/23	\$95.99	3.45%	3.45%	
6.50% - 5.50% - 4.50% - 3.50% - 2.50%		•			•	
2022	2024	2026	2028	2030	2032	



November 23, 2022

#### **MARKET STATISTICS**

## **INDEX RETURNS**

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	1.56	4.18	-14.28
DJIA	1.33	4.69	-4.13
Nasdaq	1.25	2.83	-27.31
Russell 1000	1.54	3.96	-15.32
Russell 2000	0.75	1.02	-16.01
Russell 3000	1.49	3.78	-15.37

FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	0.38	5.62	-16.35
MSCI ACWI xUSA	-0.45	9.46	-16.73
MSCI EAFE	-0.13	9.88	-15.10
MSCI EM	-1.65	9.51	-22.49

FIXED INCOME (%)			
	WTD	MTD	YTD
US Intermediate Gov/Cred	0.20	1.49	-8.68
U.S. Aggregate	0.48	2.89	-13.28
US Corp High Yield	0.45	1.54	-11.18
Municipal Bond	0.20	3.87	-9.49

OTHERS (%)			
	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	1.10	4.14	-22.47
Alerian MLP Index	-0.02	-0.68	34.60
S&P GSCI Index Spot Indx	0.83	-2.02	11.19
Dollar Index Spot	-0.77	-4.86	10.91

# **RUSSELL STYLE**

RETURNS YTD (%)			
	VALUE	CORE	GROWTH
Large Cap	-4.81	-15.32	-24.48
Mid Cap	-8.53	-13.81	-23.26
Small Cap	-9.69	-16.01	-22.30

## **ECONOMIC SCORECARD**

SELECTED RELEASES					
	ESTIMATE	ACTUAL	DIFFERENCE		
U. of Mich. Sentiment	55	56.8	1.8		
S&P Global US Manufacturing PMI	50	47.6	-2.4		
S&P Global US Services PMI	48	46.1	-1.9		
New Home Sales MoM	-5.5%	7.5%	13.0%		
Initial Jobless Claims	225k	240k	15k		
Continuing Claims	1520k	1551k	31k		

## **COMMODITY PRICES**

ALTERNATIVES			
	11/23/2022	10/31/2022	12/31/2021
Generic Crude Oil Future	\$77.43	\$86.53	\$75.21
Generic Gold Future	\$1,750.90	\$1,640.70	\$1,828.60
Dollar Index Spot	\$106.11	\$111.53	\$95.67
Euro Spot	\$1.04	\$0.99	\$1.14

SECTOR RETURNS (%	<b>6)</b>
	YTD
Discretionary	-30.81
Staples	0.96
Energy	72.20
Financials	-6.50
Health Care	-2.08
Industrials	-3.36
Info Tech	-22.50
Materials	-7.55
Real Estate	-23.86
Communication Services	-36.20
Utilities	0.73



2.50% 2024

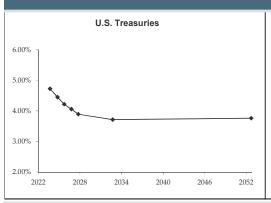
# YIELD ANALYSIS

November 29, 2022

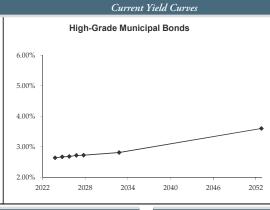
U.S. Treasury Yields					
Coupon	Maturity	YTM			
0.000%	11/02/23	4.73%			
4.500%	11/30/24	4.45%			
4.500%	11/15/25	4.22%			
1.250%	11/30/26	4.06%			
3.875%	11/30/27	3.89%			
4.125%	11/15/32	3.72%			
4.000%	11/15/52	3.76%			

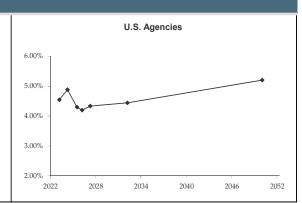
Ì	Municipal Bond Yields <sup>1</sup>				
Ì	Maturity	YTM	Tax-Equiv. <sup>2</sup>		
	11/28/23	2.64%	3.78%		
	11/28/24	2.67%	3.82%		
	11/28/25	2.69%	3.84%		
	11/28/26	2.72%	3.89%		
	11/28/27	2.73%	3.90%		
	11/28/32	2.82%	4.02%		
	11/28/52	3.60%	5.15%		

U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
FAMCA	0.375%	04/20/23	\$98.39	4.54%	+77
FFCB	3.100%	05/01/24	\$97.55	4.88%	+106
FNMA	0.375%	08/25/25	\$89.95	4.30%	+46
FNMA	2.125%	04/24/26	\$93.43	4.20%	+31
FFCB	2.860%	05/18/27	\$93.97	4.33%	+44
FHLB	3.250%	04/02/32	\$90.88	4.44%	+41
FFCB	2.760%	02/03/50	\$64.36	5.20%	+5



2026





Corpora	ate Bond Yields		
Description	Price	YTM	To Treasury (bp)
C (A2/A) 0.75% 6/7/2024	\$93.92	4.92%	+47
WFC (A1/BBB+) 3.2% 6/17/2027	\$92.92	5.51%	+145
BAC (A2/A-) 2.09% 6/14/2029	\$84.13	5.35%	+145
MS (A1/A-) 1.93% 4/28/2032	\$76.50	5.37%	+166
6.50% - 5.50% - 4.50% -		-	•

builet & Callable Agency Bona Helas				
on Call Date Price YTM YTW				
023 12/21/22 \$98.88 4.92% 4.92%				
4 03/08/23 \$97.32 3.86% 3.86%				
12/25/22 \$96.49 3.89% 3.89%				
032 02/23/23 \$95.95 3.46% 3.46%				
2024 2026 2028 2030 2032				

2028

2030