

2.00%

0.00%

2020

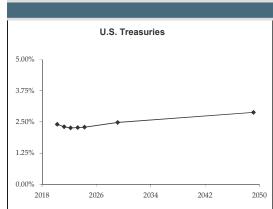
YIELD ANALYSIS

April 2, 2019

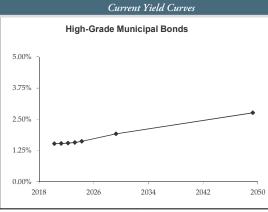
U.S. Treasury Yields			
Coupon	Maturity	YTM	
0.000%	03/26/20	2.40%	
2.250%	03/31/21	2.30%	
2.375%	03/15/22	2.26%	
2.500%	03/31/23	2.27%	
2.125%	03/31/24	2.29%	
2.625%	02/15/29	2.48%	
3.000%	02/15/49	2.88%	

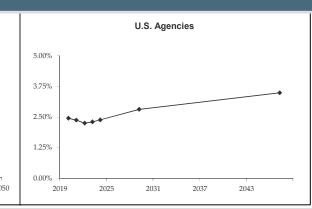
Municipal Bond Yields ¹			
Maturity	YTM	Tax-Equiv. ²	
04/01/20	1.52%	2.18%	
04/01/21	1.53%	2.19%	
04/01/22	1.55%	2.21%	
04/01/23	1.57%	2.24%	
04/01/24	1.62%	2.31%	
04/01/29	1.92%	2.74%	
04/01/49	2.76%	3.94%	

U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
FNMA	1.500%	02/28/20	\$99.16	2.45%	+27
FNMA	1.375%	02/26/21	\$98.16	2.37%	+19
FHLB	2.250%	03/11/22	\$100.01	2.25%	+4
FHLB	2.125%	03/10/23	\$99.34	2.30%	+6
FHLB	3.250%	03/08/24	\$104.01	2.38%	+7
FFCB	3.000%	03/14/29	\$101.50	2.81%	+7
FFCB	3.580%	04/11/47	\$101.24	3.49%	-45

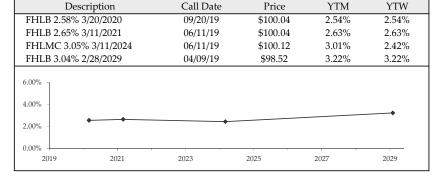


2022





Corpe	orate Dona Hielas		
Description	Price	YTM	To Treasury (bp)
WFC (A2/A-) 2.5% 3/4/2021	\$99.54	2.75%	+44
JPM (A2/A-) 3.56% 4/23/2024	\$101.48	3.20%	+93
BAC (A2/A-) 3.5% 4/19/2026	\$101.61	3.24%	+95
MS (A3/BBB+) 4.05% 3/13/2029	\$100.11	3.99%	+151
6.00% 4.00%		-	•



Bullet & Callable Agency Bond Yields ³

2024

2026

2028



April 5, 2019

MARKET STATISTICS

INDEX RETURNS

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	2.09	2.09	16.02
DJIA	1.95	1.95	14.00
Nasdaq	2.73	2.73	20.00
Russell 1000	2.11	2.11	16.40
Russell 2000	2.80	2.80	17.77
Russell 3000	2.16	2.16	16.50

FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	1.76	1.76	14.31
MSCI ACWI xUSA	1.97	1.97	12.61
MSCI EAFE	1.93	1.93	12.28
MSCI EM	2.16	2.16	12.28

FIXED INCOME (%)			
	WTD	MTD	YTD
US Intermediate Gov/Cred	-0.23	-0.23	2.09
U.S. Aggregate	-0.39	-0.39	2.54
US Corp High Yield	0.36	0.36	7.64
Municipal Bond	-0.29	-0.29	2.60

OTHERS (%)			
	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	1.02	1.02	18.38
Alerian MLP Index	1.29	1.29	18.30
S&P GSCI Index Spot Indx	2.26	2.26	18.59
Dollar Index Spot	0.11	0.11	1.27

RUSSELL STYLE

RETURNS YTD (9	%)		
	VALUE	CORE	GROWTH
Large	14.01	16.40	18.83
Medium	15.42	17.77	20.04
Small	14.11	16.50	18.92

ECONOMIC SCORECARD

SELECTED RELEASES	;		
	ESTIMATE	ACTUAL	DIFFERENCE
Unemployment Rate	3.8%	3.8%	0.0%
Initial Jobless Claims	215k	202k	-13k
Retail Sales Advance MoM	0.2%	-0.2%	-0.4%
ISM Manufacturing	54.5	55.3	0.8
Durable Goods Orders	-1.8%	-1.6%	0.2%
Construction Spending MoM	-0.2%	1.0%	1.2%

COMMODITY PRICES

ALTERNATIVES			
	4/5/2019	3/31/2019	12/31/2018
Generic Crude Oil Future	\$63.27	\$60.14	\$45.41
Generic Gold Future	\$1,290.40	\$1,293.00	\$1,281.30
Dollar Index Spot	\$97.39	\$97.28	\$96.17
Euro Spot	\$1.12	\$1.12	\$1.15

SECTOR RETURNS	(%)
	YTD
Discretionary	19.46
Staples	10.86
Energy	19.04
Financials	12.28
Health Care	6.90
Industrials	20.31
Info Tech	22.95
Materials	14.98
Real Estate	18.66
Telecom	17.38
Utilities	10.67



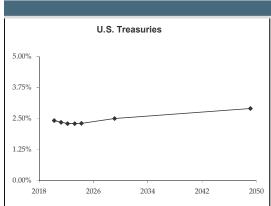
YIELD ANALYSIS

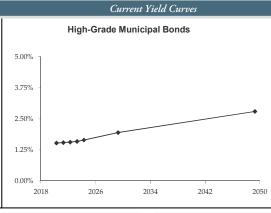
April 9, 2019

U.S. Treasury Yields					
Coupon	Maturity	YTM			
0.000%	03/26/20	2.42%			
2.250%	03/31/21	2.35%			
2.375%	03/15/22	2.30%			
2.500%	03/31/23	2.30%			
2.125%	03/31/24	2.31%			
2.625%	02/15/29	2.50%			
3.000%	02/15/49	2.90%			

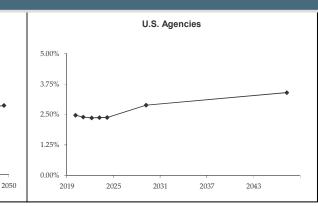
Municipal Bond Yields ¹				
Maturity	YTM	Tax-Equiv. ²		
04/08/20	1.53%	2.19%		
04/08/21	1.55%	2.21%		
04/08/22	1.57%	2.24%		
04/08/23	1.60%	2.28%		
04/08/24	1.65%	2.35%		
04/08/29	1.95%	2.78%		
04/08/49	2.80%	4.00%		

U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
FNMA	1.500%	02/28/20	\$99.15	2.47%	+29
FNMA	1.375%	02/26/21	\$98.13	2.40%	+19
FHLB	2.250%	03/11/22	\$99.68	2.37%	+13
FHLB	2.125%	03/10/23	\$99.07	2.38%	+10
FHLB	3.250%	03/08/24	\$104.01	2.38%	+3
FFCB	3.000%	03/14/29	\$100.85	2.89%	+10
FFCB	3.580%	04/11/47	\$102.81	3.40%	-60





Description



Price

YTM

YTW

	1		
Description	Price	YTM	To Treasury (bp)
WFC (A2/A-) 2.5% 3/4/2021	\$99.44	2.80%	+46
JPM (A2/A-) 3.56% 4/23/2024	\$101.53	3.19%	+89
BAC (A2/A-) 3.5% 4/19/2026	\$101.29	3.29%	+99
MS (A3/BBB+) 4.05% 3/13/2029	\$100.32	3.97%	+147
6.00% 4.00% - 2.00%	-		+
2020 2022	2024 20)26	2028

Corporate Bond Yields

FHLB 2.58	8% 3/20/2020	09/20/19	\$100.03	2.55%	2.55%
FHLB 2.65	5% 3/11/2021	06/11/19	\$100.00	2.65%	2.65%
FHLMC 3	3.05% 3/11/2024	06/11/19	\$100.10	3.02%	2.48%
FHLB 3.04	4% 2/28/2029	04/16/19	\$98.41	3.22%	3.23%
6.00% - 4.00% - 2.00% -	•	•			
2019	2021	2023	2025	2027	2029
	2021	2023	2025	2027	2029

Bullet & Callable Agency Bond Yields ³

Call Date



OUTLOOKS

April 2019

ECONOMIC OUTLOOK

Summary

Last month we addressed the question about whether the U.S. economy was in recession. The answer was no but certain areas of the domestic economy were clearly in deceleration mode. However, the same might not be said about Germany and the Eurozone. Industrial manufacturing orders in Deutschland dropped 8.2% year-over-year and are the worst since 2002, when excluding the 2008 Financial Crisis. The broader Eurozone Purchasing Manager Index (PMI) reads as follows from the last four months (51.5, 49.7, 47.6 and 44.1), numbers below 50 represent a contracting manufacturing economy.

The U.S. economy has never been led into a recession from weaker trading partners around the globe, but other countries can and do experience recessions. We shouldn't ignore these other economic data points and it helps to view our domestic economy through the lens of the global economy for some perspective. The second largest economy in the world is China and trade tariffs, supply chain disruptions and trade tensions are having a negative impact on their growth. China's manufacturing PMI has been below 50 three of the prior four months (49.4, 49.5 and 49.2) until a 50.5 print last month. South Korea's manufacturing PMI has been below 50 for the last five months.

So where does this lead us? The global manufacturing PMI readings have been weakening, while the global service sector PMI's have softened, but are generally above 50. Investors should watch these PMI series data closely for signs that the trend lines

are stabilizing or increasing, to have greater confidence in a "soft landing" for the U.S. economy. We believe a patient Fed and lower trade tensions as the year progresses, will achieve the desired result. In the meantime, a soft Q1 and Q2 in 2019 should lead to some stabilization and better economic growth for the second half of this year.

Positives

ISM Manufacturing Index 55.3, 54.3 was expected

New home sales 667,000 (annualized), 620,000 was expected

Trade balance -\$51.1 Billion, -\$57.0 Billion expected (net add to GDP from forecast)

Negatives

ADP employment change - 129,000 jobs, 175,000 was expected

ISM Non-Manufacturing Index 56.1, 58 was expected

Capacity utilization was 78.2% last month, down from 79.2% the prior month



OUTLOOKS

April 2019

EQUITY OUTLOOK

Summary

Risk assets continued to perform well in March with the S&P 500 up 1.9%, marking an end to the impressive first quarter that saw the index rise 13.6%. This year has gotten off to a historic start following the broad weakness in equity markets in the closing months of 2018. Comments from the Federal Reserve's most recent meeting cemented their dovish pivot helping fuel the recent stock market rally. U.S./China trade optimism poured additional petrol on the fire though it is still not abundantly clear how close we stand to an eventual resolution.

While equity markets were broadly higher, there were a few notable trends apparent in the month of March. Domestic large cap growth stocks once again outperformed value as the Russell 1000 Growth climbed 2.8% vs the Russell 1000 Value up 0.6%. Real estate (+5.1%) and information technology (+4.8%) were the top two performing economic sectors while financials (-2.6%) and industrials (-1.1%) were the laggards. Middle and small sized companies failed to keep pace as the Russell Mid Cap Index rose just 0.9% and the Russell 2000 declined 2.1%. International returns were also muted in March. The developed MSCI EAFE Index inched 0.6% higher and the MSCI Emerging Markets Index rose 0.8%.

While it's comforting to see global stock markets stabilize and rebound as they have, we continue to caution more volatility could be on the horizon. Attorney General Barr's summary of the Mueller report gives the Trump administration some political cover in the near term,

divisiveness will continue to intensify as we approach the 2020 campaigns and election. A continued global economic slowdown appears inevitable at this point, which should remove some of the breeze behind the sails of the equity market rally.

We remain cautious in the near term as equity markets navigate the multitude of uncertainties, although an accommodative Fed should provide a nice long-term catalyst. We also see the recent rally as an opportunity to reevaluate risk tolerance and asset allocation targets and rebalance as appropriate.

Positives

Accommodative Federal Reserve

China/U.S. trade progress

Negatives

Slowing economic growth domestic and abroad

Investor sentiment overly optimistic

Unknown

Brexit path and impact



OUTLOOKS

April 2019

FIXED INCOME OUTLOOK

Summary

After a couple of months of relatively stable interest rates across the curve, yields plunged in March as the Federal Reserve reevaluated its position on the most likely path for the overnight interest rate. The "pivot" in policy came at the March 20 meeting of the Fed's Open Market Committee (FOMC) when they announced no change in the overnight rate and removed all expectations of future rate increases for the entire year. Not only did they change their expectations for the overnight rate but they reversed course on their previous plan to reduce the size of their balance sheet over time. The process known as "quantitative tightening," where they stopped reinvesting proceeds from their massive balance sheet was expected to continue for years to come. Now, the fed announced they would shrink the run-off amount in May and stop the run-off completely in September.

The Fed clearly acknowledged monetary policy is now near neutral and given the risks in the global economy and the lack of inflationary pressures, there is no reason to become restrictive. Following this surprise announcement, in the last eight trading days of March, bond yields dropped sharply through the low end of the trading ranges that had been in place for most of the year. The 2-year Treasury note ended the month 25 basis points (bps) lower at 2.26%, while the 10-year notes ended 31 bps lower at 2.41%. Considering the entire curve, out to 10 years, is yielding less than the upper bound of the overnight rate and the 5-year yield is slightly below that of the 2-year, the bond market believes that a rate cut is as likely as a rate hike this year. We concur with this outlook.

Credit spreads were little changed in March trading around the 120 bps level for the investment-grade universe of corporate

bonds in aggregate. We believe this level of incremental yield is attractive given the risk of a Fed policy error has been significantly reduced after their recent meeting and there is little reason to expect a recession in the next year.

Positives

Weak economic data out of Europe will keep a lid on their interest rates

Core inflation is below the Fed's target and likely to remain low

Negatives

Near record levels of unemployment could cause wage pressures to accelerate further

Lack of fiscal discipline in Washington has led to increasing budget deficits

Unknown

The outcome of trade negotiations with China

The impact of Brexit, should it happen, on the U.K. and European economies



April 12, 2019

MARKET STATISTICS

INDEX RETURNS

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	0.51	2.66	16.67
DJIA	-0.05	1.92	13.96
Nasdaq	0.57	3.33	20.69
Russell 1000	0.57	2.73	17.12
Russell 2000	0.14	2.96	17.96
Russell 3000	0.54	2.75	17.18

FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	0.43	2.63	15.29
MSCI ACWI xUSA	0.31	2.59	13.29
MSCI EAFE	0.22	2.31	12.70
MSCI EM	0.36	3.00	13.19

FIXED INCOME (%)			
	WTD	MTD	YTD
US Intermediate Gov/Cred	0.09	-0.11	2.21
U.S. Aggregate	0.08	-0.22	2.72
US Corp High Yield	0.39	0.89	8.21
Municipal Bond	0.08	-0.22	2.67

OTHERS (%)			
	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	0.27	1.29	18.70
Alerian MLP Index	0.13	1.41	18.45
S&P GSCI Index Spot Indx	1.16	4.23	20.87
Dollar Index Spot	-0.56	-0.45	0.70

RUSSELL STYLE

RETURNS YTD (%)			
	VALUE	CORE	GROWTH
Large	14.74	17.12	19.53
Medium	15.96	17.96	19.89
Small	14.83	17.18	19.56

ECONOMIC SCORECARD

SELECTED RELEASES			
	ESTIMATE	ACTUAL	DIFFERENCE
CPI MoM	0.4%	0.4%	0.0%
PPI Final Demand MoM	0.3%	0.6%	0.3%
Factory Orders	-0.5%	-0.5%	0.0%
Durable Goods Orders	-1.6%	-1.6%	0.0%
U. of Mich. Sentiment	98.2	96.9	-1.3
Initial Jobless Claims	210k	196k	-14k

COMMODITY PRICES

ALTERNATIVES			
	4/12/2019	3/31/2019	12/31/2018
Generic Crude Oil Future	\$63.89	\$60.14	\$45.41
Generic Gold Future	\$1,290.60	\$1,293.00	\$1,281.30
Dollar Index Spot	\$96.85	\$97.28	\$96.17
Euro Spot	\$1.13	\$1.12	\$1.15

SECTOR RETURNS (%)				
	YTD			
Discretionary	20.24			
Staples	11.99			
Energy	18.84			
Financials	14.64			
Health Care	4.36			
Industrials	20.69			
Info Tech	24.42			
Materials	15.55			
Real Estate	19.11			
Telecom	19.50			
Utilities	10.90			



2.00%

0.00%

2020

YIELD ANALYSIS

April 16, 2019

U.S. Treasury Yields				
Coupon	Maturity	YTM		
0.000%	03/26/20	2.43%		
2.250%	03/31/21	2.40%		
2.250%	04/15/22	2.37%		
2.500%	03/31/23	2.38%		
2.125%	03/31/24	2.39%		
2.625%	02/15/29	2.58%		
3.000%	02/15/49	2.98%		

Municipal Bond Yields ¹			
Maturity	YTM	Tax-Equiv. ²	
04/15/20	1.54%	2.19%	
04/15/21	1.56%	2.23%	
04/15/22	1.58%	2.26%	
04/15/23	1.61%	2.30%	
04/15/24	1.66%	2.38%	
04/15/29	1.96%	2.80%	
04/15/49	2.79%	3.98%	

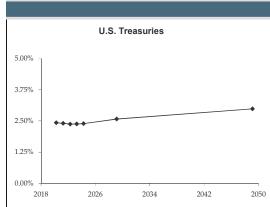
U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
FNMA	1.500%	02/28/20	\$99.18	2.47%	+27
FNMA	1.375%	02/26/21	\$98.09	2.43%	+20
FHLB	2.250%	03/11/22	\$99.64	2.38%	+12
FHLB	2.750%	03/10/23	\$101.50	2.34%	+4
FHLB	3.250%	03/08/24	\$104.04	2.37%	-0
FFCB	3.000%	03/14/29	\$101.37	2.84%	+4
FFCB	3.580%	04/11/47	\$101.06	3.50%	-48

Bullet & Callable Agency Bond Yields ³

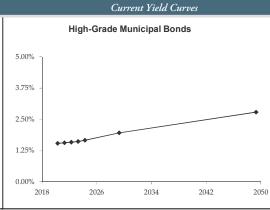
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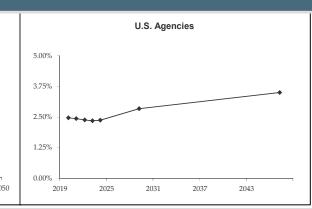
09/20/19

06/11/19



2022





Price

\$100.00

\$100.00

YTM

2.54%

2.65%

3.02%

3.06%

2027

YTW

2.54%

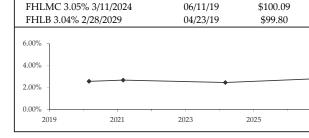
2.65%

2.43%

3.06%

2029

Corporate Bond Yields				
Description	Price	YTM	To Treasury (bp)	
WFC (A2/A-) 2.5% 3/4/2021	\$99.43	2.81%	+41	
JPM (A2/A-) 3.56% 4/23/2024	\$101.68	3.15%	+77	
BAC (A2/A-) 3.5% 4/19/2026	\$101.26	3.30%	+90	
MS (A3/BBB+) 4.05% 3/13/2029	\$100.57	3.94%	+136	
6.00%		-	•	



Description

FHLB 2.58% 3/20/2020

FHLB 2.65% 3/11/2021

2024

2026

2028



April 18, 2019

MARKET STATISTICS

INDEX RETURNS

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	-0.08	2.59	16.59
DJIA	0.56	2.53	14.64
Nasdaq	0.17	3.51	20.90
Russell 1000	-0.19	2.56	16.91
Russell 2000	-1.20	1.73	16.55
Russell 3000	-0.26	2.50	16.89

FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	0.14	2.80	15.47
MSCI ACWI xUSA	0.66	3.28	14.06
MSCI EAFE	0.65	3.06	13.52
MSCI EM	0.67	3.71	13.98

FIXED INCOME (%)			
	WTD	MTD	YTD
US Intermediate Gov/Cred	-0.05	-0.33	1.99
U.S. Aggregate	-0.09	-0.51	2.42
US Corp High Yield	0.06	1.13	8.47
Municipal Bond	0.02	-0.19	2.70

OTHERS (%)			
	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	-2.96	-1.71	15.18
Alerian MLP Index	-2.55	-1.17	15.43
S&P GSCI Index Spot Indx	-0.58	3.63	20.18
Dollar Index Spot	0.50	0.18	1.34

RUSSELL STYLE

RETURNS YTD (%)			
	VALUE	CORE	GROWTH
Large	14.38	16.91	19.48
Medium	15.07	16.55	17.98
Small	14.43	16.89	19.38

ECONOMIC SCORECARD

SELECTED RELEASES			
	ESTIMATE	ACTUAL	DIFFERENCE
Retail Sales Advance MoM	1.0%	1.6%	0.6%
China GDP YoY	6.3%	6.4%	0.1%
Trade Balance	-\$53.4b	-\$49.4b	\$4.0b
Wholesale Inventories MoM	0.3%	0.2%	-0.1%
Industrial Production MoM	0.2%	-0.1%	-0.3%
Markit US Manufacturing PMI	52.8	52.4	-0.4

COMMODITY PRICES

ALTERNATIVES			
	4/18/2019	3/31/2019	12/31/2018
Generic Crude Oil Future	\$64.12	\$60.14	\$45.41
Generic Gold Future	\$1,273.10	\$1,293.00	\$1,281.30
Dollar Index Spot	\$97.02	\$97.28	\$96.17
Euro Spot	\$1.13	\$1.12	\$1.15

SECTOR RETURNS (%)					
	YTD				
Discretionary	21.23				
Staples	13.21				
Energy	18.21				
Financials	15.42				
Health Care	-0.22				
Industrials	22.33				
Info Tech	26.06				
Materials	14.99				
Real Estate	15.29				
Telecom	20.32				
Utilities	9.15				



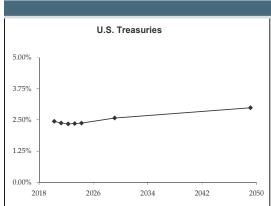
YIELD ANALYSIS

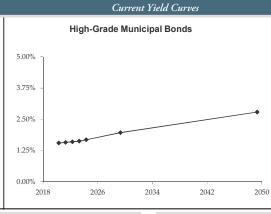
April 23, 2019

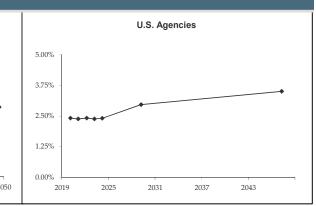
U.S. Treasury Yields				
Coupon	Maturity	YTM		
0.000%	03/26/20	2.44%		
2.250%	03/31/21	2.38%		
2.250%	04/15/22	2.34%		
2.500%	03/31/23	2.35%		
2.125%	03/31/24	2.37%		
2.625%	02/15/29	2.58%		
3.000%	02/15/49	2.98%		

Municipal Bond Yields ¹				
Maturity	YTM	Tax-Equiv. ²		
04/22/20	1.55%	2.21%		
04/22/21	1.58%	2.25%		
04/22/22	1.60%	2.28%		
04/22/23	1.63%	2.32%		
04/22/24	1.68%	2.40%		
04/22/29	1.97%	2.81%		
04/22/49	2.79%	3.99%		

U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
FNMA	1.500%	02/28/20	\$99.24	2.41%	+20
FNMA	1.375%	02/26/21	\$98.20	2.38%	+13
FHLB	2.250%	03/11/22	\$99.55	2.41%	+13
FHLB	2.750%	03/10/23	\$101.36	2.38%	+6
FHLB	3.250%	03/08/24	\$103.87	2.40%	+0
FFCB	3.000%	03/14/29	\$100.19	2.96%	+15
FFCB	3.580%	04/11/47	\$100.93	3.51%	-48







YTM

YTW

Description	Prie	ce YTN	И То	Treasury (bp)
WFC (A2/A-) 2.5% 3/4/2021	\$99.	28 2.90°	%	+53
JPM (A2/A-) 3.56% 4/23/2024	\$101	.16 3.26	%	+91
BAC (A2/A-) 3.5% 4/19/2026	\$100	.34 3.44	%	+108
MS (A3/BBB+) 4.05% 3/13/2029	\$100	.21 3.989	%	+141
4.00% - 2.00% - 0.00%	•	•		
2020 2022	2024	2026	2028	

Corporate Bond Yields

Descript	1011	Cun Dute	1 1100	1 1111	1111
FHLB 2.58% 3/20	/2020	09/20/19	\$99.98	2.57%	2.57%
FHLB 2.65% 3/11,	/2021	06/11/19	\$100.00	2.65%	2.65%
FHLMC 3.05% 3/	11/2024	06/11/19	\$100.09	3.02%	2.38%
FHLB 3.04% 2/28	/2029	04/30/19	\$98.32	3.24%	3.24%
4.00% 4.00% 2.00%	•	•			
2019	2021	2023	2025	2027	2029

Bullet & Callable Agency Bond Yields ³

Call Date

Description



April 26, 2019

MARKET STATISTICS

INDEX RETURNS

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	1.20	3.83	18.00
DJIA	-0.06	2.47	14.57
Nasdaq	1.85	5.43	23.15
Russell 1000	1.22	3.82	18.36
Russell 2000	1.66	3.43	18.50
Russell 3000	1.25	3.79	18.37

FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	0.03	2.81	15.49
MSCI ACWI xUSA	-0.81	2.18	12.86
MSCI EAFE	-0.52	2.25	12.64
MSCI EM	-1.45	1.87	11.96

FIXED INCOME (%)			
	WTD	MTD	YTD
US Intermediate Gov/Cred	0.19	-0.02	2.30
U.S. Aggregate	0.19	-0.16	2.78
US Corp High Yield	0.17	1.27	8.62
Municipal Bond	0.35	0.16	3.06

OTHERS (%)			
	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	1.51	-0.23	16.92
Alerian MLP Index	0.39	-0.76	15.91
S&P GSCI Index Spot Indx	0.44	4.31	20.97
Dollar Index Spot	0.58	0.78	1.94

RUSSELL STYLE

RETURNS YTD (%)			
	VALUE	CORE	GROWTH
Large	15.10	18.36	21.66
Medium	15.94	18.50	20.97
Small	15.16	18.37	21.61

ECONOMIC SCORECARD

SELECTED RELEASES			
	ESTIMATE	ACTUAL	DIFFERENCE
GDP Annualized QoQ	2.3%	3.2%	0.9%
Personal Consumption	1.0%	1.2%	0.2%
Existing Home Sales	5.30m	5.21m	-0.09m
Durable Goods Orders	0.8%	2.7%	1.9%
Initial Jobless Claims	200k	230k	30k
U. of Mich Sentiment	97.0	97.2	0.2

COMMODITY PRICES

ALTERNATIVES					
	4/26/2019	3/31/2019	12/31/2018		
Generic Crude Oil Future	\$64.12	\$60.14	\$45.41		
Generic Gold Future	\$1,284.90	\$1,293.00	\$1,281.30		
Dollar Index Spot	\$97.02	\$97.28	\$96.17		
Euro Spot	\$1.13	\$1.12	\$1.15		

SECTOR RETURNS (%)			
	YTD		
Discretionary	23.00		
Staples	13.33		
Energy	16.72		
Financials	17.04		
Health Care	3.45		
Industrials	21.08		
Info Tech	27.30		
Materials	13.53		
Real Estate	16.84		
Telecom	23.56		
Utilities	10.68		



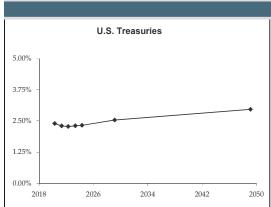
YIELD ANALYSIS

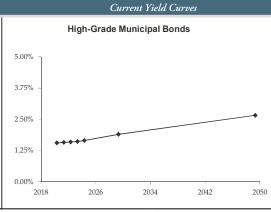
April 30, 2019

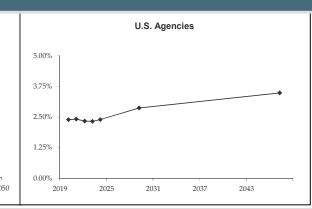
U.S. Treasury Yields				
Coupon	Maturity	YTM		
0.000%	04/23/20	2.40%		
2.250%	04/30/21	2.30%		
2.250%	04/15/22	2.28%		
2.750%	04/30/23	2.30%		
2.250%	04/30/24	2.32%		
2.625%	02/15/29	2.54%		
3.000%	02/15/49	2.96%		

Municipal Bond Yields ¹				
Maturity	YTM	Tax-Equiv. ²		
04/29/20	1.55%	2.22%		
04/29/21	1.58%	2.25%		
04/29/22	1.59%	2.27%		
04/29/23	1.61%	2.30%		
04/29/24	1.65%	2.36%		
04/29/29	1.90%	2.71%		
04/29/49	2.66%	3.80%		

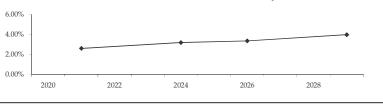
U.S. Agency Yields - Active Bonds					
Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
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FNMA	1.375%	02/26/21	\$98.16	2.41%	+16
FHLB	2.250%	03/11/22	\$99.77	2.33%	+6
FHLB	2.750%	03/10/23	\$101.57	2.32%	+2
FHLB	3.250%	03/08/24	\$103.90	2.39%	+4
FFCB	3.000%	03/14/29	\$101.11	2.87%	+16
FFCB	3.580%	04/11/47	\$101.36	3.48%	-32







Corporate Bond Yields					
Description	Price	YTM	To Treasury (bp)		
WFC (A2/A-) 2.5% 3/4/2021	\$99.82	2.60%	+30		
JPM (A2/A-) 3.56% 4/23/2024	\$101.52	3.18%	+88		
BAC (A2/A-) 3.5% 4/19/2026	\$100.94	3.35%	+102		
MS (A3/BBB+) 4.05% 3/13/2029	\$100.26	3.97%	+144		
6.00%		-			



Description	Call Date	Price	YTM	YTW
FHLB 2.58% 3/20/2020	09/20/19	\$99.98	2.57%	2.57%
FHLB 2.65% 3/11/2021	06/11/19	\$100.00	2.65%	2.65%
FHLMC 3.05% 3/11/2024	06/11/19	\$100.08	3.02%	2.31%
FHLB 3.04% 2/28/2029	05/07/19	\$98.69	3.20%	3.20%
4.00% - 2.00% - 0.00%	•	, ,		
2019 2021	2023	2025	2027	2029

Bullet & Callable Agency Bond Yields ³