

September 3, 2019

	U.S. Treasury Y	ields		Mut	nicipal Bon	d Yields ¹				U.S. Age	ency Yields -	Active Bonds		
Coupon	Maturity	YTM	Ma	turity	YTM	Tax-Equiv. ²	1	Agency	Coupon	Ν	laturity	Price	YTM	To Muni (bp)
0.000%	08/13/20	1.75%	09/	02/20	1.00%	1.43%		FNMA	1.500%	C	6/22/20	\$99.38	2.28%	+85
1.500%	08/31/21	1.51%	09/	02/21	1.01%	1.44%		FHLB	2.100%	0	7/01/21	\$100.84	1.62%	+18
1.500%	08/15/22	1.42%	09/	02/22	1.01%	1.44%		FHLB	2.375%	0	6/10/22	\$102.42	1.48%	+4
2.750%	08/31/23	1.41%	09/	02/23	1.01%	1.44%		FHLMC	2.750%	C	6/19/23	\$104.86	1.43%	-1
1.250%	08/31/24	1.38%	09/	02/24	1.01%	1.44%		FHLB	2.875%	C	6/14/24	\$106.52	1.46%	+1
1.625%	08/15/29	1.49%	09/	02/29	1.27%	1.81%		FHLB	2.750%	C	6/08/29	\$109.28	1.71%	-10
2.250%	08/15/49	1.97%	09/	02/49	1.97%	2.82%		FFCB	3.580%	C	4/11/47	\$121.11	2.49%	-33
						Curre	nt Y	ield Curves						
	U.S. ⁻	Freasuries				High-Grade Mu	nicip	al Bonds				U.S. Agen	cies	
5.00%					5.00%					r 5.00%				
3.75% -					3.75% -					3.75% -				
										3.73% -				
2.50% -				•	2.50% -				•	2.50% -	•			•
1.25% -	****				1.25% -	****				1.25% -	have			
0.00%					0.00%					0.00%				
2018	2026	2034	2042	2050	2018	2026	203	34 2042	2050	0.00% +	2025	2031	2037	2043
		Corp	oorate Bond	Yields						Bullet & C	allable Agen	icy Bond Yield.	3	
	Description		Р	rice	YTM	To Treasury (bp)	1	Desc	ription	C	all Date	Price	YTM	YTW
WFC (A2	2/A-) 2.1% 7/26	2021		9.72	2.25%	+75	1	FHLB 2.58% 3/	,		9/20/19	\$100.03	2.44%	2.44%
	A-) 3.32% 8/29			00.47	3.18%	+177		FHLB 1.5% 6/3			9/10/19	\$98.97	1.99%	1.99%
	B+) 3% 5/15/20			03.47	2.43%	+105		FHLMC 2.82%			1/20/19	\$100.14	2.78%	2.12%
MS (A3/B	3BB+) 4.05% 3/1	13/2029	\$1	08.86	2.93%	+143	4	FHLB 3.04% 2/	/28/2029	0	9/10/19	\$100.01	3.04%	2.44%
6.00%								6.00%						
4.00% -			-			•		4.00% -						
2.00% -	•							2.00% -	• •		+			•
0.00% +	2020	2022	2024	2026	5	2028		0.00%	2021	202	23	2025	2027	2029

(1) High-grade municipal bonds. (2) Based on a 30% marginal federal income tax bracket. (3) Graph displays yield to call.

Key: bp - basis points. One basis point is 1/100 of one percent. YTM - yield to maturity; YTC - yield to call.



September 6, 2019

MARKET STATISTICS

INDEX RETURNS

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	1.83	1.87	20.55
DJIA	1.49	1.53	16.90
Nasdaq	1.76	1.78	23.06
Russell 1000	1.76	1.81	20.62
Russell 2000	0.92	0.93	12.87
Russell 3000	1.71	1.75	20.08
FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	1.70	1.75	16.27
MSCI ACWI xUSA	1.71	1.78	11.17
MSCI EAFE	1.69	1.77	12.16
MSCI EM	1.90	1.93	6.17
FIXED INCOME (%)			

	WTD	MTD	YTD
US Intermediate Gov/Cred	-0.15	-0.15	6.63
U.S. Aggregate	-0.29	-0.29	8.78
US Corp High Yield	0.16	0.16	11.17
Municipal Bond	-0.17	-0.17	7.43

OTHERS (%)			
	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	1.31	1.31	27.86
Alerian MLP Index	-0.75	-0.75	9.30
S&P GSCI Index Spot Indx	1.82	1.82	8.00
Dollar Index Spot	-0.51	-0.51	2.32

RUSSELL STYLE

RETURNS YTD (%)			
	VALUE	CORE	GROWTH
Large	16.05	20.62	25.26
Medium	9.10	12.87	16.52
Small	15.58	20.08	24.66

ECONOMIC SCORECARD

SELECTED RELEASES			
	ESTIMATE	ACTUAL	DIFFERENCE
Unemployment Rate	3.7%	3.7%	0.0%
Change in Nonfarm Payrolls	160k	130k	-30k
Trade Balance	-\$53.4b	-\$54.0b	-\$0.6b
ISM Manufacturing	51.3	49.1	-2.2
Markit US Manufacturing PMI	50.0	50.3	0.3
Durable Goods Orders	2.1%	2.0%	-0.1%

COMMODITY PRICES

ALTERNATIVES						
	9/6/2019	8/31/2019	12/31/2018			
Generic Crude Oil Future	\$56.56	\$55.10	\$45.41			
Generic Gold Future	\$1,508.30	\$1,523.00	\$1,281.30			
Dollar Index Spot	\$98.41	\$98.92	\$96.17			
Euro Spot	\$1.10	\$1.10	\$1.15			

S&P 500

SECTOR RETURNS (%)				
	YTD			
Discretionary	24.70			
Staples	22.76			
Energy	4.93			
Financials	16.54			
Health Care	6.53			
Industrials	21.18			
Info Tech	32.53			
Materials	14.59			
Real Estate	30.35			
Telecom	23.59			
Utilities	20.84			



September 10, 2019

U.S. Treasury Yields Municipal Bond Yields ¹						U.S. Agency Yields - 1	Active Bonds				
Coupon	Maturity	YTM	Maturit	y YTM	Tax-Equiv. ²	Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
0.000%	08/13/20	1.78%	09/09/2	0 1.06%	1.52%	FHLMC	2.160%	09/10/20	\$100.00	2.16%	+64
1.500%	08/31/21	1.60%	09/09/2	1 1.07%	1.52%	FNMA	1.375%	10/07/21	\$99.60	1.57%	+5
1.500%	08/15/22	1.55%	09/09/2	2 1.07%	1.52%	FNMA	1.375%	09/06/22	\$99.37	1.59%	+7
2.750%	08/31/23	1.54%	09/09/2	3 1.07%	1.52%	FNMA	2.875%	09/12/23	\$105.16	1.54%	+2
1.250%	08/31/24	1.51%	09/09/2	4 1.08%	1.54%	FHLB	2.875%	09/13/24	\$106.38	1.55%	+1
1.625%	08/15/29	1.65%	09/09/2	9 1.34%	1.91%	FHLMC	6.750%	09/15/29	\$145.26	1.79%	-12
2.250%	08/15/49	2.12%	09/09/4	9 2.04%	2.91%	FFCB	3.580%	04/11/47	\$117.54	2.66%	-25
					Curren	t Yield Curves					
	U.S. 1	reasuries			High-Grade Mun	cipal Bonds			U.S. Agenc	ies	
5.00%				5.00%				5.00% ר			
3.75% -				3.75% -				3.75% -			
2.50% -				2.50% -				2.50% -			•
	•						•	2.5070			
1.25% -	****			1.25% -	*****			1.25% -			
0.00%	2026	2034	2042	2050 0.00%	3 2026	2034 2042	2050	0.00%	2031	2037 2	2043
2018	2020	2034	2042	2030 201	5 2026	2034 2042	2050	2019 2025	2031	2037 2	2043
		Corp	oorate Bond Yiel	ds				Bullet & Callable Agenc	y Bond Yields	3	
	Description		Price	YTM	To Treasury (bp)	Des	cription	Call Date	Price	YTM	YTW
WFC (A	2/A-) 2.1% 7/26	/2021	\$99.89		+56	FHLB 2.58%		09/20/19	\$100.01	2.55%	2.55%
	./A-) 3.32% 8/29		\$100.45		+165	FHLB 1.5% 6		09/17/19	\$98.98	1.99%	1.99%
	BB+) 3% 5/15/20		\$100.62		+139	FHLMC 2.82		11/20/19	\$100.13	2.78%	2.13%
MS (A3/	BBB+) 4.05% 3/	13/2029	\$107.41	3.09%	+144	FHLB 3.04%	2/28/2029	09/17/19	\$100.00	3.03%	3.04%
6.00% J						6.00%					
4.00% -						4.00% -					
2.00% -	+			•	•	2.00% -	•+				•
0.00%			,	, ,	· · · · · · · · · · · · · · · · · · ·						
1	2020	2022	2024	2026	2028	0.00%	2021	2023	2025	2027	2029

(1) High-grade municipal bonds. (2) Based on a 30% marginal federal income tax bracket. (3) Graph displays yield to call.

Key: bp - basis points. One basis point is 1/100 of one percent. YTM - yield to maturity; YTC - yield to call.



OUTLOOKS

September 2019

ECONOMIC OUTLOOK

Summary

U.S. trade relationships with China have seemingly gone from bad to worse. While the conflict should not be a complete surprise given that President-elect Trump threatened to take this action during the campaign and has since made it one of his signature initiatives, the lack of a clear path forward has been unnerving for the markets.

Given the uncertainty created, trade with China should be examined in the context of the overall economy. The U.S. runs a trade deficit with China of roughly \$420 billion. We import about \$540 billion worth of goods and export \$120 billion worth of goods with China. The actual dollar amounts from trade are relatively small when compared to the size of the two largest economies in the world. The overall economic output (GDP) of the United States was approximately \$20.5 trillion in 2018. This compares to China's GDP of approximately \$13.6 trillion for the same period. Though very important to some industries, our exports to China only represent about 0.6% of our overall consumer-led economy. This amount is not nearly as critical as the 4% that China's exports to the U.S. represent to their manufacturing-led economy.

Notwithstanding the manageable dollar values of direct trade with China, the disruption of supply chains and trade flows that have been established over decades of globalization has had an outsized impact on corporate managers who now have to source products elsewhere. Other countries are also impacted because they trade with the U.S. and with China and are caught in the snarled web that the dispute has created. Given the global uncertainties, it is not surprising that our measurement of new factory orders turned sharply lower in August reaching a level only seen once since the financial crisis and recession more than 10 years ago. Fortunately, the labor market remains surprisingly resilient with the employed to working-age population ratio reaching the highest level since 2008. Average hourly earnings also increased at a solid 3.2% rate over the past year. Strong employment and wage gains should keep the consumer strong despite the increasing weakness in manufacturing and trade. Consumer spending is much more important to our overall economy. That said, we will be watching for any signs of weakening in the labor market, as well as for further developments with many of our other close trading partners. We do believe that the Fed will step in with a few more rate cuts to offset some of the global weakness and prolong the already historic-in-length economic expansion.

Positives

Personal income and spending numbers have been positive the last few months

Core PCE inflation below the target level allows the Fed to cut rates

Negatives

ISM manufacturing and new order measures are contracting

ISM manufacturing employment measures dropped sharply last month

Unknowns

Trade conflicts impact for trading partners beyond China

Durability of labor market



OUTLOOKS

September 2019

EQUITY OUTLOOK

Summary

August was one of the more volatile months in recent memory with the S&P 500 experiencing 10 different up days of 1% or greater and nine different declines of 1% or more. However, aside from the decline to start the month, the S&P stayed in a relatively narrow band, closing the month 1.6% lower and just off the all-time highs set in July. While equity markets certainly saw larger daily swings than they have in recent months, the headline drivers were essentially the same we have been following for many months. The lingering trade dispute with China, uncertainty around Great Britain's exit from the EU, and a broad global economic slowdown continue to dominate the media.

Given the trade dynamic remains uncertain, it's not surprising that international equity markets joined U.S. markets in decline for the month. The developed MSCI EAFE Index fell 2.6% and the MSCI Emerging Markets Index lost 4.9%. In spite of historically attractive valuations, the current geopolitical environment will likely remain challenging for international investors.

A steep decline in interest rates in recent weeks propelled higher yielding utilities and real estate ahead of all other economic sectors in August rising 5.2% and 5.0% respectively. Energy was the laggard shedding 8.1% during the month followed by a 4.8% decline in financial services. Now we head into September, which has historically been the worst performing and among the most volatile months of the year. In fact, it's the only month during which the S&P 500 has declined more frequently than it has risen. The same headlines that moved markets last month remain with little prospect of resolution in the near term. We expect continued volatility over the coming weeks as algorithmic and day traders react to the latest tweet. We believe, however, investors with a long-term focus on fundamentals should be rewarded.

Positives

Accommodative Federal Reserve

Resilient U.S. consumer

Negatives

Global economic slowdown

Investor sentiment overly optimistic

Unknowns

Stalled trade negotiations

Brexit path and impact



OUTLOOKS

September 2019

FIXED INCOME OUTLOOK

Summary

As measured by the most common indices, the U.S. bond market delivered its best monthly return in over 10 years as rates declined sharply across the yield curve in August. An escalation of the trade war with China is most widely credited for the plunge in rates. The ratcheting of tariffs is likely to cause even more disruptions in global supply chains and dampen economic activity both domestically and in China. Collateral damage across Europe will only exacerbate the problems in that region as they struggle with economic challenges of their own.

The 2-year Treasury note declined 27 basis points (bps) to end the month at 1.50%, nearly the exact same level the 10-year note ended after declining by 52 bps. The closely-watched 2-year to 10-year yield spread actually inverted for the first time since the financial crisis, which sent alarm bells ringing that a recession is eminent. The move-in rates can be deconstructed into two equal parts; a reduction in inflationary expectations and a decline in real yields.

The outlook for slower economic growth usually leads to a decline in inflationary expectations which can be easily measured by the difference in the market's forward contracts for inflation-adjusted bonds and regular notes. Deciphering the reason for the decline in "real yields", the yield after taking out the market's expectation for future inflation, is a bit more challenging. Investors are willing to accept next to no real return for an extended period when risks are elevated or there are simply no other alternatives. While risks to the stock market and the economy are elevated, the aggressive buying of assets by the Japanese and European central banks leave foreign investors with few alternatives. There is now approximately \$17 billion of debt around the world which has a negative yield (yes, you pay more today than you receive in the future). Investors in these markets are forced to buy the only remaining large, liquid, high-quality market in existence, which is the U.S. Treasury market.

Yields should remain in this exceptionally low range as long as the trade impasse persists. Given that the Chinese leadership has little reason to give in, the disruption can become even greater, in which case the economic and inflationary outlooks would likely dim further. Given the demand by global investors, there is little reason to fear that interest rates will shoot markedly higher even if there is a near-term truce on trade.

Positives

Negative yields in other markets make even our low rates attractive

Inflation rate likely to continue to be below target rate

Negatives

Longer yields at or near generational lows

A resolution to trade dispute could unleash economic optimism pushing rates higher

Unknowns

China's tolerance for pain as their highly-levered economy slows

Geopolitical risks remain with Iran, North Korea and Russia



September 13, 2019

MARKET STATISTICS

INDEX RETURNS

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	0.96	2.87	21.73
DJIA	1.57	3.20	18.83
Nasdaq	0.91	2.74	24.22
Russell 1000	0.91	2.75	21.73
Russell 2000	4.85	5.65	18.14
Russell 3000	1.16	2.93	21.48
FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	1.10	3.16	17.89
MSCI ACWI xUSA	1.24	3.54	13.10
MSCI EAFE	1.22	3.50	14.07
MSCI EM	1.43	3.96	8.27
FIXED INCOME (%)			
	WTD	MTD	YTD
US Intermediate CoulCred	0.70	0 00	EOE

US Intermediate Gov/Cred	-0.79	-0.88	5.85
U.S. Aggregate	-1.13	-1.28	7.70
US Corp High Yield	0.25	0.52	11.58
Municipal Bond	-0.64	-0.79	6.76

OTHERS (%)
----------	----

	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	-2.16	-0.87	25.10
Alerian MLP Index	3.48	2.69	13.10
S&P GSCI Index Spot Indx	-0.25	1.61	7.78
Dollar Index Spot	-0.22	-0.75	2.08

RUSSELL STYLE

RETURNS YTD (%)			
	VALUE	CORE	GROWTH
Large	18.91	21.73	24.60
Medium	15.84	18.14	20.26
Small	18.70	21.48	24.30

ECONOMIC SCORECARD

ESTIMATE	ACTUAL	DIFFERENCE
0.2%	0.4%	0.2%
1.8%	1.7%	-0.1%
2.3%	2.4%	0.1%
1.7%	1.8%	0.1%
90.8	92.0	1.2
103.5	103.1	-0.4
	0.2% 1.8% 2.3% 1.7% 90.8	0.2% 0.4% 1.8% 1.7% 2.3% 2.4% 1.7% 1.8% 90.8 92.0

COMMODITY PRICES

ALTERNATIVES			
	9/13/2019	8/31/2019	12/31/2018
Generic Crude Oil Future	\$54.95	\$55.10	\$45.41
Generic Gold Future	\$1,489.10	\$1,523.00	\$1,281.30
Dollar Index Spot	\$98.17	\$98.92	\$96.17
Euro Spot	\$1.11	\$1.10	\$1.15

S&P 500

SECTOR RETURNS (%)					
	YTD				
Discretionary	25.25				
Staples	21.83				
Energy	8.58				
Financials	21.11				
Health Care	6.84				
Industrials	24.67				
Info Tech	32.07				
Materials	18.50				
Real Estate	26.34				
Telecom	25.41				
Utilities	20.97				



September 17, 2019

	U.S. Treasury	Yields		Mun	iicipal Bond	'Yields ¹				U.S. Ager	ıcy Yields -	Active Bonds		
Coupon	Maturity	YTM	Matu	urity	YTM	Tax-Equiv. ²	Ĺ	Agency	Coupon	М	aturity	Price	YTM	To Muni (bp)
0.000%	09/10/20	1.87%	09/10	6/20	1.29%	1.85%	1	FHLMC	2.470%	09	9/10/20	\$99.96	2.49%	+64
1.500%	08/31/21	1.75%	09/10	6/21	1.30%	1.86%		FNMA	1.375%	10)/07/21	\$99.14	1.80%	-5
1.500%	09/15/22	1.70%	09/10	6/22	1.30%	1.86%		FNMA	1.375%	09	9/06/22	\$98.87	1.77%	-9
2.750%	08/31/23	1.71%	09/10	6/23	1.30%	1.86%		FNMA	2.875%		9/12/23	\$104.30	1.75%	-11
1.250%	08/31/24	1.68%	09/10	,	1.31%	1.87%		FHLB	2.875%		9/13/24	\$105.15	1.79%	-8
1.625%	08/15/29	1.82%	09/10	,	1.57%	2.24%		FFCB	2.430%		9/28/29	\$101.44	2.24%	+0
2.250%	08/15/49	2.29%	09/10	6/49	2.26%	3.22%		FFCB	3.580%	04	4/11/47	\$113.89	2.83%	-39
						Curren	ıt Yi	eld Curves						
	U.S.	Treasuries				High-Grade Mun	icipa	al Bonds				U.S. Ageno	cies	
5.00%					5.00%					5.00%]				
3.75% -					3.75% -					3.75% -				
2.50% -	•				2.50% -					2.50% -				
1.25% -	****				1.25% -	*****				1.25% -	****			
0.00%					0.00%					0.000/				
2018	2026	2034	2042	2050	2018	2026	203	4 2042	2050	0.00%	2025	2031	2037 2	.043 2049
		Cor	borate Bond I	Yields						Bullet & Ca	llable Agen	cy Bond Yields	3	
	Description		Pri	ice	YTM	To Treasury (bp)	í '	Desc	ription	Ca	all Date	Price	YTM	YTW
WFC (A	2/A-) 2.1% 7/2	6/2021	\$99		2.24%	+49	1	FHLB 2.07% 9			2/16/19	\$99.90	2.14%	2.14%
- · · ·	2/A-) 3.32% 8/2		\$100		3.20%	+149		FHLMC 2.7%			9/27/19	\$100.02	2.69%	2.69%
	BB+) 3% 5/15/2		\$100		2.96%	+128		FFCB 1.96% 9			9/16/20	\$99.50	2.07%	2.07%
MS (A3/	/BBB+) 4.05% 3	/13/2029	\$106	5.37	3.22%	+139		FHLB 2.5% 9/	28/2029	09	9/28/19	\$97.43	2.75%	2.80%
6.00% -								6.00%						
4.00% -								4.00% -						
2.00% -	•		•	•		•		2.00% -			+			•
0.00%	2020	2022	2024	2026	2028	2030		0.00%				. , , , , , , , , , , , , , , , , , , ,		·
								2019	2021	202		2025	2027	2029

(1) High-grade municipal bonds. (2) Based on a 30% marginal federal income tax bracket. (3) Graph displays yield to call.

Key: bp - basis points. One basis point is 1/100 of one percent. YTM - yield to maturity; YTC - yield to call.



September 20, 2019

MARKET STATISTICS

INDEX RETURNS

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	-0.51	2.36	21.13
DJIA	-1.05	2.12	17.58
Nasdaq	-0.72	2.01	23.34
Russell 1000	-0.44	2.31	21.21
Russell 2000	-1.16	4.44	16.79
Russell 3000	-0.49	2.45	20.91
FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	-0.16	3.24	17.97
MSCI ACWI xUSA	-0.40	3.78	13.36
MSCI EAFE	-0.31	3.97	14.58
MSCI EM	-0.98	3.44	7.74
FIXED INCOME (%)			
	WTD	MTD	YTD

	WID	MID	IID
US Intermediate Gov/Cred	0.43	-0.81	5.92
U.S. Aggregate	0.75	-1.07	7.93
US Corp High Yield	0.22	0.68	11.76
Municipal Bond	0.08	-1.16	6.36

OTHERS (%)			
	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	2.06	1.16	27.67
Alerian MLP Index	1.24	3.96	14.50
S&P GSCI Index Spot Indx	3.64	5.40	11.80

RUSSELL STYLE

Dollar Index Spot

RETURNS YTD (%)			
	VALUE	CORE	GROWTH
Large	18.21	21.21	24.26
Medium	14.15	16.79	19.27
Small	17.94	20.91	23.92

0.21

-0.46

2.38

ECONOMIC SCORECARD

SELECTED RELEASES			
	ESTIMATE	ACTUAL	DIFFERENCE
FOMC Rate Decision (Upper)	2.0%	2.0%	0.0%
Industrial Production MoM	0.2%	0.6%	0.4%
Housing Starts	1250k	1364k	114k
Existing Home Sales	5.38m	5.49m	0.11m
Initial Jobless Claims	213k	208k	-5k
Leading Index	-0.1%	0.0%	0.1%

COMMODITY PRICES

ALTERNATIVES			
	9/20/2019	8/31/2019	12/31/2018
Generic Crude Oil Future	\$58.09	\$55.10	\$45.41
Generic Gold Future	\$1,516.10	\$1,523.00	\$1,281.30
Dollar Index Spot	\$98.46	\$98.92	\$96.17
Euro Spot	\$1.10	\$1.10	\$1.15

S&P 500

SECTOR RETURNS (S	%)
	YTD
Discretionary	22.57
Staples	21.08
Energy	9.66
Financials	19.92
Health Care	7.91
Industrials	22.83
Info Tech	31.09
Materials	17.51
Real Estate	29.00
Telecom	24.22
Utilities	23.69



September 24, 2019

U.S. Treasury Yields	Mun	icipal Bond	Yields ¹			U.S. Agency Yields - A	Active Bonds		
Coupon Maturity YTM	Maturity	YTM	Tax-Equiv. ²	Agency	Coupon	Maturity	Price	YTM	To Muni (bp)
0.000% 09/10/20 1.80%	09/23/20	1.29%	1.84%	FHLMC	1.890%	09/10/20	\$100.02	1.84%	+1
1.500% 08/31/21 1.67%	09/23/21	1.28%	1.83%	FNMA	1.375%	10/07/21	\$99.31	1.72%	-11
1.500% 09/15/22 1.59%	09/23/22	1.27%	1.82%	FNMA	1.375%	09/06/22	\$99.29	1.62%	-19
2.750% 08/31/23 1.61%	09/23/23	1.27%	1.81%	FNMA	2.875%	09/12/23	\$104.96	1.58%	-23
1.250% 08/31/24 1.57%	09/23/24	1.27%	1.82%	FHLB	2.875%	09/13/24	\$105.83	1.65%	-17
1.625% 08/15/29 1.69%	09/23/29	1.48%	2.12%	FFCB	2.430%	09/28/29	\$102.66	2.11%	-1
2.250% 08/15/49 2.14%	09/23/49	2.13%	3.04%	FFCB	3.580%	04/11/47	\$117.21	2.67%	-37
			Curren	t Yield Curves					
U.S. Treasuries			High-Grade Muni	cipal Bonds			U.S. Agenc	ies	
5.00%		5.00%				5.00% ק			
3.75% -		3.75% -				3.75% -			
2.50% -		2.50% -							
2.3076	•	2.50%			•	2.50% -	-		
1.25% -		1.25% -	*****			1.25% -			
0.00%		0.00%	1		11	0.00%			,ı
2018 2026 2034	2042 2050	2018	2026	2034 2	2050	2019 2025	2031	2037 2	043
Corpor	ate Bond Yields					Bullet & Callable Agenc	v Bond Yields	3	
Description	Price	YTM	To Treasury (bp)		Description	Call Date	Price	YTM	YTW
WFC (A2/A-) 2.1% 7/26/2021	\$99.86	2.18%	+50	FHLB 2.)7% 9/16/2020	12/16/19	\$99.93	2.11%	2.11%
JPM (A2/A-) 3.32% 8/29/2024	\$100.65	3.14%	+154		2.7% 9/27/2021	09/27/19	\$100.00	3.02%	3.02%
C (A3/BBB+) 3% 5/15/2026	\$102.63	2.57%	+99		6% 9/16/2024	09/16/20	\$99.75	2.01%	2.01%
MS (A3/BBB+) 4.05% 3/13/2029	\$107.19	3.12%	+142	FHLB 2.	5% 9/28/2029	12/28/19	\$97.60	2.73%	2.78%
6.00%				^{6.00%}]					
4.00% -	•			4.00% -					
2.00% -	+			2.00% -	+	•			
0.00%		· · ·	,	0.00%					
2020 2022	2024 2026		2028	0.00% + 2019	2021	2023 2025	5 202	27 20	29

(1) High-grade municipal bonds. (2) Based on a 30% marginal federal income tax bracket. (3) Graph displays yield to call.

Key: bp - basis points. One basis point is 1/100 of one percent. YTM - yield to maturity; YTC - yield to call.



September 27, 2019

MARKET STATISTICS

INDEX RETURNS

EQUITIES (%)			
	WTD	MTD	YTD
S&P 500	-1.03	1.34	19.92
DJIA	-0.43	1.69	17.08
Nasdaq	-2.19	-0.21	20.65
Russell 1000	-1.14	1.18	19.87
Russell 2000	-2.51	1.89	13.94
Russell 3000	-1.23	1.22	19.46
FOREIGN (%)			
	WTD	MTD	YTD
MSCI ACWI	-0.70	2.37	16.98
MSCI ACWI xUSA	-0.95	3.07	12.59
MSCI EAFE	-0.89	3.23	13.77
MSCI EM	-1.17	2.75	7.02
FIXED INCOME (%)			
	WTD	MTD	YTD
US Intermediate Gov/Cred	0.26	-0.46	6.30
U.S. Aggregate	0.31	-0.64	8.40
US Corp High Yield	-0.21	0.48	11.53
Municipal Bond	0.27	-0.84	6.71

OTHERS (%)

	WTD	MTD	YTD
DJ Eqty REIT TOT RE IDX	0.48	1.65	28.28
Alerian MLP Index	-3.48	0.35	10.51
S&P GSCI Index Spot Indx	-1.44	3.61	9.90
Dollar Index Spot	0.60	0.19	3.05

RUSSELL STYLE

RETURNS YTD (%)			
	VALUE	CORE	GROWTH
Large	17.44	19.87	22.35
Medium	12.86	13.94	14.82
Small	17.12	19.46	21.83

ECONOMIC SCORECARD

SELECTED RELEASES			
	ESTIMATE	ACTUAL	DIFFERENCE
GDP Annualized QoQ	2.0%	2.0%	0.0%
Personal Income	0.4%	0.4%	0.0%
Personal Spending	0.3%	0.1%	-0.2%
Initial Jobless Claims	212k	213k	1k
Conf. Board Cons. Confidence	133.0	125.1	-7.9
New Home Sales	659k	713k	54k

COMMODITY PRICES

ALTERNATIVES			
	9/27/2019	8/31/2019	12/31/2018
Generic Crude Oil Future	\$55.83	\$55.10	\$45.41
Generic Gold Future	\$1,495.60	\$1,523.00	\$1,281.30
Dollar Index Spot	\$99.10	\$98.92	\$96.17
Euro Spot	\$1.09	\$1.10	\$1.15

S&P 500

SECTOR RETURNS (%)			
	YTD		
Discretionary	21.44		
Staples	22.69		
Energy	6.80		
Financials	19.72		
Health Care	4.70		
Industrials	22.32		
Info Tech	30.02		
Materials	16.23		
Real Estate	29.45		
Telecom	21.31		
Utilities	25.32		