

# Advisory Solutions Monthly Update March 2017

#### **ASSET ALLOCATION UPDATE**

- We recommend a mild underweight to Global Equities and overweight to Fixed Income across models.
- Within the equity allocation, we continue to recommend an overweight to non-U.S. developed equity, concentrated in the growth segment.
- Within the fixed income allocation, we recommend an overweight to U.S. TIPS.

#### **EQUITY HIGHLIGHTS**

- The post-election rally continued in February, with U.S. and growth equities leading global equity markets higher. U.S. equity markets continued to set all-time highs throughout the month. After posting extraordinary gains after the U.S. elections to close out 2016, U.S. small-caps lagged large caps and mid-caps in January and February. Emerging markets equites continued a strong start to 2017, with India, Brazil and China posting strong returns during the month. International developed markets equities posted positive returns in February, but lagged U.S. and emerging markets equites.
- U.S. equity managers have performed generally in line or in excess of their benchmarks year-to-date, with the exception of large cap managers, which have lagged. International developed actively-managed equity strategies have exceeded benchmark returns year to date, while emerging market managers have lagged. A rapidly rising market, such as emerging markets have been year to date, is generally not a favorable backdrop for active manager outperformance.
- U.S. equities have outperformed international equites by a substantial margin since the financial crisis. The relative performance of U.S. versus international developed markets equites has tended to move in long cycles over time, with an average duration of 72 months. This current cycle of rolling three-year U.S. equity outperformance began 87 months ago, which suggests mean reversion could be on the horizon.

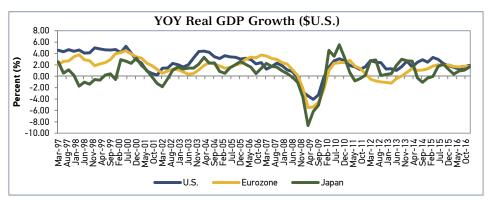
#### FIXED INCOME HIGHLIGHTS

- Fixed income markets were largely positive during the month of February. Within the opportunity set, emerging market debt was the top performer, returning 1.68%, followed by high yield which was up 1.46%. Treasury Inflation-Protected Securities (TIPS) was bottom performer, producing a return of 0.47%. The Bloomberg Barclays U.S. Aggregate Bond Index, a proxy for the overall bond market, returned 0.67% during the month.
- Over the month, select international developed 10-year government bond yields decreased, led by the U.K. and Germany. The 10-year U.S. Treasury yield fell from 2.45% to 2.36%.
- Municipal/Treasury yield ratios moved lower for shorter-dated maturities and higher for longer-dated maturities. Shorter-dated ratios are below historical averages, while longer-dated remain near the mean.

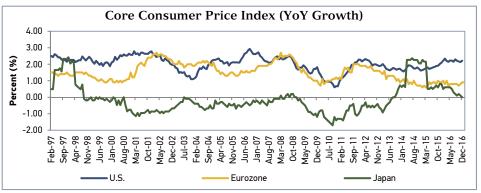
Stock Indexes	YTD	Bond Indexes	YTD	Other Indexes	YTD	U.S. Treasury	Yields	Rates/Commodities	
Russell Global	5.55%	Barclays US Aggregate	0.87%	60% LgShort-40% MktNeutral	2.00%	6-month	0.69%	Prime Rate	3.75%
Russell 3000	5.67%	Barclays Gbl Treas xUS Hdg	-0.09%	DJ Equity All REIT	4.20%	լ1-year	0.88%	LIBOR (3 Mo)	1.06%
S&P 500	5.94%	Barclays US TIPS	1.32%	Bloomberg Commodity	0.34%	3-year	1.49%	Oil Price (\$/barrel)	\$54.01
MSCI EAFE	4.37%	Barclays US High Yield	2.93%	 		5-year	1.89%	Gold (\$/t oz)	\$1,253.90
MSCI EM	8.70%	Barclays EM Aggregate	2.95%	I I		10-year	2.36%	I I	
		 		 		30-year	2.97%	1	



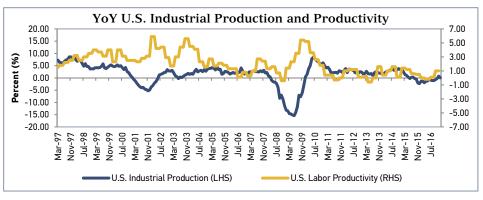
## Global Economic Snapshot



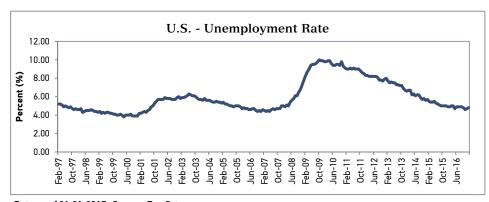
As of 12.31.2016. Source: FactSet



U.S. data as of 01.31.2017; Eurozone data as of 02.28.2017. Japan data as of 01.31.2017; Source: FactSet The sudden increase in Japan CPI growth in 2014 coincided with an increase in national sales tax that impacted final price levels.



Industrial Production as of 01.31.2017; U.S. Labor Productivity as of 12.31.2016; Source: FactSet



Data as of 01.31.2017; Source: FactSet

- U.S. GDP growth held steady in the fourth quarter of 2016 but remains tepid. The Eurozone has closed the growth gap to the U.S. and Japan growth has gradually improved.
- U.S. productivity showed further improvement in the fourth quarter but generally remains low. Continued productivity gains are essential to drive long-term real growth.
- Core inflation has slowly increased toward Fed target levels and Eurozone inflation is showing signs of picking up. Deflation remains a threat in Japan.
- Tightening U.S. labor markets suggest more inflation pressure that is likely to lead to further Fed rate hikes.

Note: Please see Appendix for important definitions.



# U.S. Economic Indicators

Initial Jobless Claims	• In the week ending February 25, the four-week moving average of Initial Jobless Claims was 234,250, a decrease of 6,250 from the previous week's revised average.				
Manufacturing	<ul> <li>ISM Manufacturing registered 57.7% in February, an increase of 1.7 percentage points from the prior month. A reading below 50.0% indicates contraction.</li> <li>ISM Manufacturing New Orders registered 65.1% in February, 4.7 percentage points above the January reading.</li> <li>ISM Non-Manufacturing registered 57.6% in February, 1.1 percentage points higher than the January reading.</li> </ul>				
Housing/Construction	Building permits increased 5.3% in January and have increased 8.8% over the past year.				
Consumer Confidence	The Consumer Confidence Index increased in February to 114.8 compared to 111.6 in January.				
Nonfarm Payrolls	• Total nonfarm payroll employment increased by 227,000 in January. The unemployment rate was little changed at 4.8%.				
Industrial Production	• Industrial Production fell -0.3% in January and is relatively unchanged over the past year.				
Personal Income	• Real Disposable Personal Income fell -0.2% in January, and is up 2.0% over the past year.				
Ratio of Consumer Installment Credit to Personal Income	• This ratio rose 0.3% in January, and is up 2.6% year-over-year. Consumer borrowing tends to lag improvements in personal income by many months because people remain hesitant to take on new debt until they are sure that their improved income level is sustainable.				
Inflation	• CPI (All Items) rose 0.6% in January and is up 2.5% over the trailing one year period. CPI (Core) increased 0.3% in January, and is up 2.3% over the trailing one-year period.				

Source: FactSet

Leading

Coincident



## Currency





• The Trade-Weighted U.S. Dollar Index (Major Currencies) rose 1.2% in February and the index is down 1.5% year-to-date. The dollar appreciated 1.7% versus the euro in February.



## Global Equity Markets

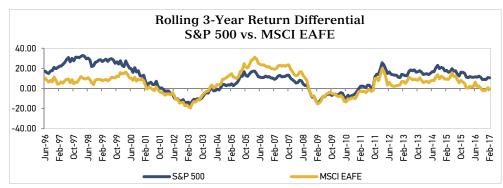


Source: Morningstar, Russell Investments



Source: Morningstar, Russell Investments

Median return of Morningstar open-end fund category (institutional share class). Russell return of U.S. categories.



Data as of 02.28.2017; Source: Morningstar

- The post-election rally continued in February, with U.S. and growth equities leading global equity markets higher. U.S. equity markets continued to set all-time highs throughout the month. After posting extraordinary gains after the U.S. elections to close out 2016, U.S. small-caps lagged large caps and mid-caps in January and February. Defensive segments such as telecommunications services and health care were the best performing sectors during the month, while cyclical segments such as energy and materials underperformed. Emerging markets equites continued a strong start to 2017, with India, Brazil and China posting strong returns during the month. International developed markets equites posted positive returns in February, but lagged U.S. and emerging markets equites.
- U.S. equity managers have performed generally in line or in excess of their benchmarks year-to-date, with the exception of large cap managers, which have lagged. International developed actively-managed equity strategies have exceeded benchmark returns year to date, while emerging market managers have lagged. A rapidly rising market, such as emerging markets have been year to date, is generally not a favorable backdrop for active manager outperformance.

• U.S. equities have outperformed international equites by a substantial margin since the financial crisis. The relative performance of U.S. versus international developed markets equites has tended to move in long cycles over time, with an average duration of 72 months. This current cycle of rolling three-year U.S. equity outperformance began 87 months ago, which suggests mean reversion could be on the horizon.

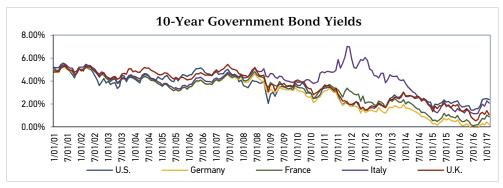


#### Fixed Income Markets



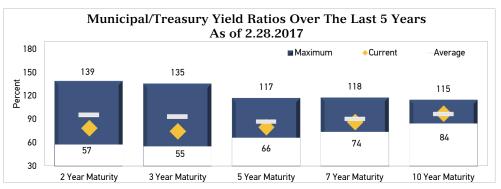
• Fixed income markets were largely positive during the month of February. Within the opportunity set, emerging market debt was the top performer, returning 1.68%, followed by high yield which was up 1.46%. Treasury Inflation-Protected Securities (TIPS) was bottom performer, producing a return of 0.47%. The Bloomberg Barclays U.S. Aggregate Bond Index, a proxy for the overall bond market, returned 0.67% during the month.

Source: Morningstar, Barclays



• Over the month, select international developed 10-year government bond yields decreased, led by the U.K. and Germany. The 10-year U.S. Treasury yield fell from 2.45% to 2.36%.

Data as of 02.28.2017; Source: FactSet, U.S. Department of Treasury



Municipal/Treasury yield ratios moved lower for shorter-dated maturities and higher for longer-dated maturities. Shorter-dated ratios are below historical averages, while longer-dated remain near the mean.

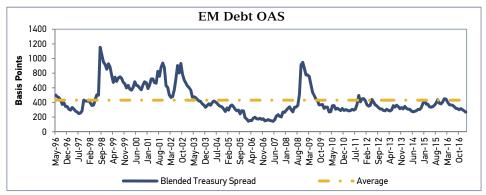
Source: Thompson Reuters; Sterling Capital Management Analytics.



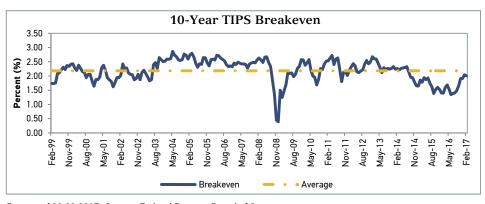
#### Fixed Income Spreads and TIPS Breakeven



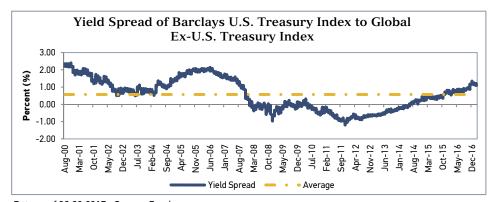
Data as of 02.28.2017; Source: FactSet



Data as of 02.28.2017; Source: Barclays



Data as of 02.28.2017; Source: Federal Reserve Board of Governors

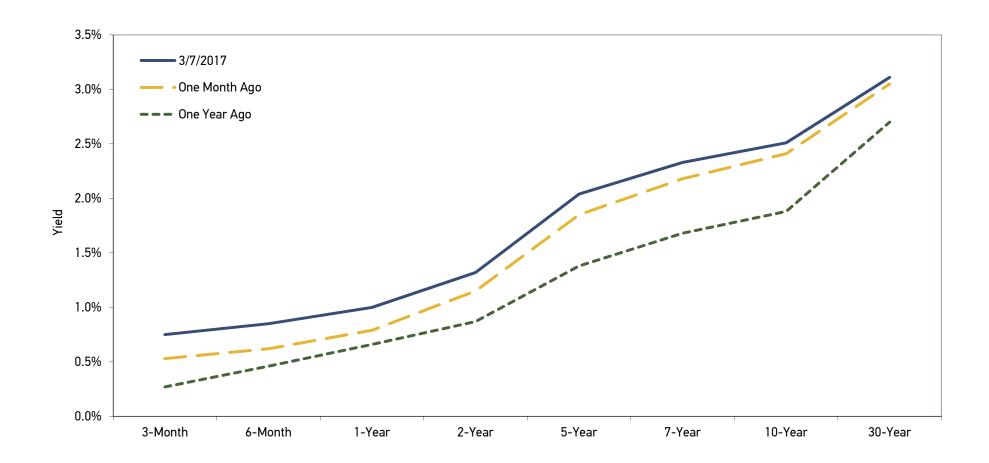


Data as of 02.28.2017; Source: Barclays

- Both investment grade and high yield corporate credit spreads continued to decline in February and are well below historical averages.
- Market inflation expectations as measured by TIPS breakeven rates held steady during February and are near long run averages.
- Emerging market spreads have moved below their historical average, while the yield spread of U.S. to Global Treasuries has moved slightly above the historical average.



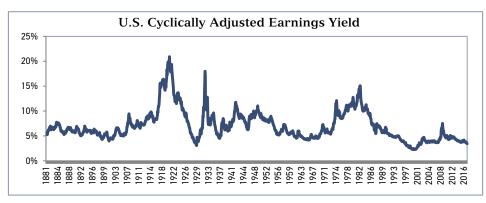
# U.S. Treasury Yield Curve



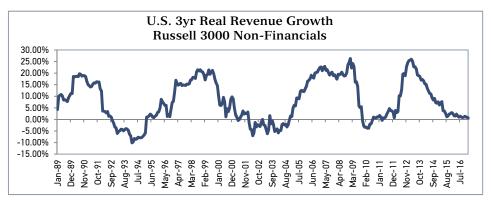
• Month-over-month, yields were higher across the curve with the front-end seeing the largest increase.



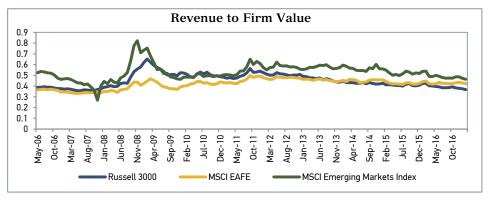
## Global Equity Market Fundamentals



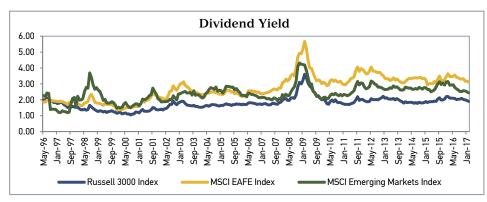
Data as of 02.28.2017; Source: Online Data Robert Shiller "US Stock Markets 1871-Present and CAPE Ratio"



Data as of 02.28.2017; Source: FactSet, Russell, Bureau of Labor Statistics, Sterling Capital Analytics

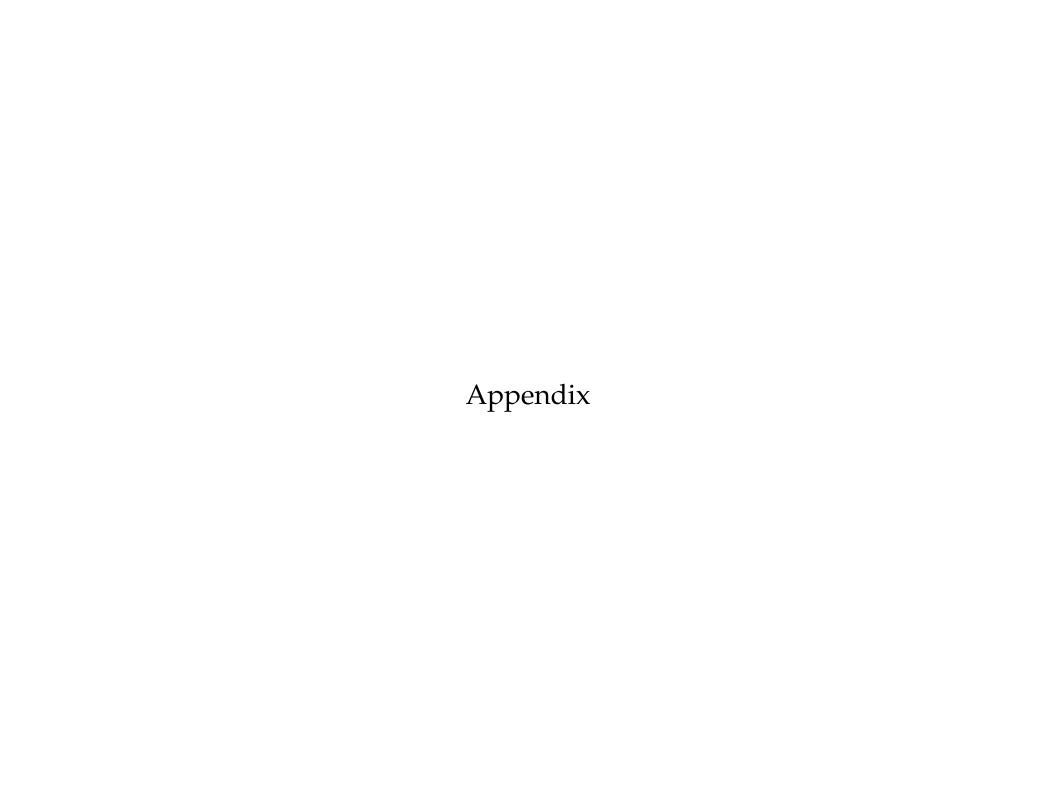


Data as of 02.28.2017; Source: Russell, MSCI



Data as of 02.28.2017; Source: Russell, MSCI

- The U.S. cyclically adjusted earnings yield continues to slowly decline and is well below longer-term averages, while real U.S. sales growth continues to be weak.
- Revenue to firm value in the U.S. has moved well below international developed markets. The emerging markets' ratio is only slightly higher than international developed markets.
- International developed equities provide a significant dividend yield advantage over emerging market and U.S. equities.





#### Definitions

Core Consumer Price Index: Core inflation is a measure of inflation that excludes certain items, usually food and energy, that face volatile price movements.

Option Adjusted Spread (OAS): A bond's yield spread over comparable maturity government bonds, adjusted for any embedded options.

**Real GDP:** Real gross domestic product (GDP) is an inflation-adjusted measure that reflects the value of all goods and services produced by an economy in a given year, expressed in base-year prices.

**Revenue to Firm Value:** Total Index Revenues of the past 12 months divided by the sum of equity market value and the value of total debt. This is a measure of total sales generated on the total value (debt plus equity) of firms in the index.

**TIPS Breakeven:** The inflation rate implied by the spread in yield between U.S. TIPS (Treasury Inflation Protected Securities) and nominal U.S. Government Bonds of equal maturity.

**U.S. 3 yr. Real Revenue Growth, Russell 3000 Non-Financials:** For the Russell 3000 excluding financial firms, the percentage change in trailing 12-month inflation adjusted revenue over 12-month inflation adjusted revenue three years prior.

**U.S. Cyclically Adjusted Earnings Yield:** The 10-year average of annual, inflation adjusted earnings divided by the current inflation adjusted price of the S&P 500 index. This measure is the inverse of the Shiller CAPE Ratio.

**YOY US Productivity Growth:** The year-over-year growth in real U.S. output produced per hour worked for non-farm workers.



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