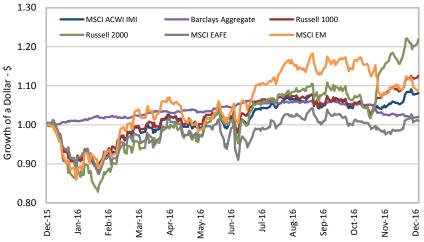
# **Capital Markets Snapshot**

## Performance as of 12/23/2016

#### **Total Return Performance**

		1-Week	MTD	QTD	YTD	1-Year
Domestic Equity	MSCI ACWI IMI	0.1%	2.2%	1.3%	8.4%	7.9%
	Dow Jones Industrial	0.5%	4.3%	9.6%	17.5%	16.3%
	S&P 500	0.3%	3.1%	5.0%	13.2%	12.1%
	Nasdaq Composite	0.5%	2.7%	3.1%	10.5%	9.6%
	Russell 3000	0.3%	3.0%	5.3%	13.9%	12.8%
	Russell 1000	0.3%	3.0%	4.9%	13.2%	12.2%
	Russell 1000 Value	0.4%	3.5%	7.7%	18.5%	17.2%
me	Russell 1000 Growth	0.2%	2.4%	2.1%	8.3%	7.5%
О	Russell 2000	0.6%	3.8%	9.9%	22.5%	20.8%
	Russell 2000 Value	0.9%	5.0%	15.1%	32.9%	30.9%
	Russell 2000 Growth	0.2%	2.5%	4.7%	12.5%	11.1%
	MSCI ACWI ex US	-0.2%	1.5%	-2.3%	3.4%	3.3%
Ϊ́ξ	MSCI EAFE (USD)	0.4%	2.8%	-1.3%	0.4%	0.8%
nternational Equity	MSCI EAFE (Local)	0.2%	4.6%	7.2%	5.5%	6.0%
nal	Currency Impact	0.1%	-1.9%	-8.5%	-5.1%	-5.2%
atio	MSCI EAFE Small	0.7%	1.3%	-4.3%	0.6%	1.8%
ern	MSCI Emerging (USD)	-1.7%	-2.4%	-6.7%	8.3%	7.3%
пţ	MSCI Emerging (Local)	-1.7%	-2.3%	-3.8%	7.0%	6.3%
	Currency Impact	0.0%	-0.1%	-2.8%	1.3%	0.9%
	Blmbg Barc. Treasury	0.4%	-0.7%	-4.4%	0.5%	0.4%
	Blmbg Barc. Long Treasury	1.1%	-1.7%	-12.7%	0.2%	-0.0%
	Blmbg Barc. Infl Linked	1.4%	-0.8%	-3.3%	4.2%	4.4%
ixed Income	Blmbg Barc. US Aggregate	0.5%	-0.5%	-3.6%	2.0%	2.0%
nco	Blmbg Barc. Corporates	0.6%	-0.1%	-3.5%	5.3%	5.5%
ed I	Blmbg Barc. High Yield	0.4%	1.6%	1.5%	16.9%	17.4%
ĕ	Blmbg Barc. MBS	0.4%	-0.8%	-2.8%	0.9%	1.1%
	CS Leveraged Loan	0.1%	1.0%	2.1%	9.7%	10.0%
	Blmbg Barc. Global Agg ex USD	0.8%	-1.8%	-11.0%	0.6%	0.7%
	Blmbg Barc. Global EMD - Hard	0.6%	0.5%	-3.8%	8.4%	8.6%
	Blmbg Barc. Global EMD - Local	0.7%	0.2%	-7.8%	5.5%	5.5%
	Alerian MLP	3.9%	4.8%	2.4%	18.7%	18.5%
Other	MSCI US REIT	-0.2%	2.7%	-4.8%	6.5%	6.9%
	Gold	-0.1%	-3.3%	-13.8%	6.8%	5.9%
ŏ	Oil	0.2%	5.2%	7.8%	40.4%	41.0%
	Commodities (Bloomberg)	-1.0%	0.4%	1.2%	10.2%	10.8%
	Dollar Index (DXY)	0.1%	1.5%	7.9%	4.4%	4.7%

## Growth of a Dollar - One Year



#### Relative Performance to the MSCI AC World IMI Index - YTD

	Value		Core			Growth	
	Domestic	Int'l	Domestic	Int'l	Emerging	Domestic	Int'l
Large	10.1%	-1.3%	4.8%	-6.3%	-0.1%	-0.1%	-11.1%
All Cap	11.2%	-1.4%	5.5%	-6.2%	-1.2%	0.2%	-10.9%
Small	24.5%	-2.0%	14.1%	-5.8%	-7.9%	4.1%	-9.5%

MSCI AC World IMI Index YTD Return = 8.4%

#### Domestic Relative Performance to the Russell 3000 - YTD

	Value	Core	Growth
Top 200	3.5%	-1.4%	-5.8%
Midcap	7.1%	1.0%	-5.4%
Small	19.0%	8.6%	-1.4%
Micro	17.9%	7.8%	-5.6%

Russell 3000 YTD Return = 13.9%

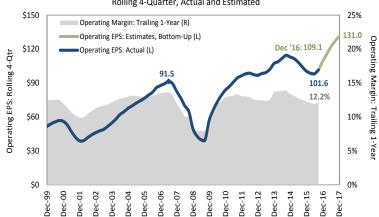
## Capital Markets Snapshot

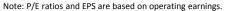
### Performance as of 12/23/2016

	Fundamental View						
	P/E			EPS		Dividend	
	Trailing 12-						
	Month All	12-Month	10y Med.	Trailing 12-	12-Month	12-Month	
	EPS	Forecast	All EPS	Month	Forecast	Trailing	10y Avg.
S&P 500 <sup>1</sup>	22.5	17.9	16.6	100.6	126.7	2.1%	2.1%
R1000 <sup>2</sup>	23.4	18.4	17.4	53.7	68.2	2.1%	2.0%
R1000 Value <sup>2</sup>	21.6	17.4	15.8	51.5	64.1	2.7%	2.5%
R1000 Growth <sup>2</sup>	25.4	19.4	20.4	42.0	54.8	1.6%	1.5%
R2000 <sup>2</sup>	41.2	21.4	27.3	36.2	64.0	1.5%	1.3%
R2000 Value <sup>2</sup>	32.7	20.6	23.1	55.0	87.2	2.3%	2.1%
R2000 Growth <sup>2</sup>	56.6	22.4	33.4	27.9	35.2	0.8%	0.6%
EAFE <sup>3</sup>	15.5	16.3	15.8	100.6	102.6	3.4%	3.2%
EAFE Small <sup>3</sup>	20.2	17.7	13.4	9.9	11.4	2.4%	4.1%
Emerging <sup>3</sup>	11.6	13.2	19.0	71.0	63.9	3.4%	2.3%
Treasury "P/E"	39.4	n/a	38.2	n/a	n/a	2.5%	2.8%

#### **S&P 500 Operating Earnings**

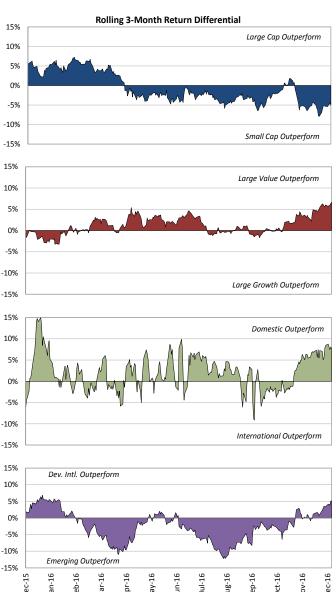
Rolling 4-Quarter, Actual and Estimated





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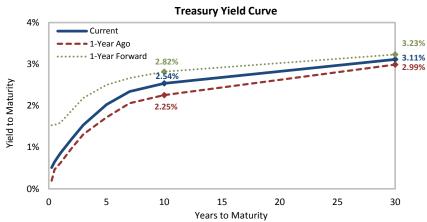
<sup>&</sup>lt;sup>3</sup> Data source is MSCI for trailing P/E, EPS, and Dividend Yield; Bloomberg estimates for trailing ex-negative EPS P/E and both 12-month forecasts.



<sup>&</sup>lt;sup>2</sup> Data source is Russell and IBES forecasts. Trailing 12-month EPS reported ex-negative earnings, consistent with IBES forecasts.

# Capital Markets Snapshot

### Performance as of 12/23/2016





#### **Fixed Income Spreads & Defaults** 5% 1000 HY Def Rate (rhs) 900 High Yield 800 3.6% Trailing 12-Month Default Rate Yield Spread - bps 709 2.4% 300 200 100 Dec-16 Dec-15 Jan-16 Feb-16 May-16 Jun-16 Jul-16 Aug-16 Sep-16 Oct-16 Nov-16 Mar-16

### **Implied Break-even Inflation Rates**

	2-yr	5-yr	10-yr	30-yr	5y, 5y	
Current	1.5%	1.9%	2.0%	2.1%	2.1%	
Beg of Qtr	1.3%	1.5%	1.6%	1.7%	1.8%	
1-Year Ago	0.5%	1.2%	1.5%	1.7%	1.8%	
Real Yield	-0.3%	0.1%	0.5%	1.0%	1.0%	



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