#### FUND EVALUATION REPORT

### San Jose Federated Retiree Health Care 115 Trust

Quarterly Review September 30, 2014

G R O U P

#### **Disclaimer**

Data is provided for informational purposes only, may not be complete, and cannot be relied upon for any purpose other than for discussion.

Meketa Investment Group has prepared this report on the basis of sources believed to be reliable. The data are based on matters as they are known as of the date of preparation of the report, and not as of any future date, and will not be updated or otherwise revised to reflect information that subsequently becomes available.



### **Agenda**

### 1. Executive Summary

- Aggregate Fund Overview
- Third Quarter Manager Summary
- 2. Fund Summary
- 3. Fund Detail
- 4. Portfolio Reviews
- 5. Corporate Update
- 6. Appendices
  - The World Markets in the Third Quarter of 2014
  - Glossary and Notes

# **Executive Summary As of September 30, 2014**

#### **Aggregate Fund Overview**

The value of the San Jose Federated Retiree Health Care Trust was \$101.1 million on September 30, 2014, up from \$81.2 million at the end of the previous quarter.

- The increase in assets was due to contributions totaling \$23.3 million during the quarter, balanced against negative absolute performance.
- Third quarter performance for the Health Care Trust was -3.4% net of fees, bringing the trailing one-year return to 6.2% net of fees.
- Performance for the Health Care Trust trailed the Custom Benchmark by 20 basis points and trailed the Policy Benchmark by 50 basis points during the third quarter. The difference was due in part to the risk parity commodity manager First Quadrant underperforming the custom risk parity commodity benchmark, though both commodity managers outperformed the broad commodity market, as proxied by the Bloomberg Commodity Index.
- The Board adopted a new asset allocation for the Trust in October 2014, and it will be reflected in future reporting.



Investment Manager	Asset Class	Changes/ Announcements	Performance Concerns	Meketa Recommendation <sup>1</sup>	Comments
Vanguard					
Vanguard Developed Markets	Global Equity				
Vanguard Emerging Markets	Global Equity	Yes		Hold	New share class
Vanguard Russell 3000	Global Equity				
Vanguard Total Bond Market	Fixed Income				
Vanguard TIPS	Fixed Income				
Credit Suisse	Real Assets				
First Quadrant	Real Assets	Yes		Hold	PM departure

#### **Vanguard Emerging Markets**

• Vanguard converted all of its remaining Signal shares to Admiral shares as of October 24, 2014. This change affects the Vanguard Emerging Markets Stock Index Fund. The ticker has changed from VERSX to VEMAX. The Health Care Trust's investment in the Fund now stands at a level of assets that is eligible for the less expensive institutional share class (VEMIX). VEMIX's fee is 0.12% compared to 0.15% for VEMAX.

#### **First Quadrant**

• Jesse Davis, portfolio manager of the firm's Balanced Risk Commodity (BRC) strategy, left the firm effective August 15, 2014. Since the outset of BRC, Mr. Ed Peters was the primary portfolio manager. The BRC fund was founded on the same principles that Mr. Peters used at previous firms and other risk oriented First Quadrant portfolios. Mr. Davis was elevated to the portfolio manager role in 2012, but Mr. Peters remained a key member of the firm and co-PM of the BRC strategy. Mr. Peters remains at First Quadrant and will continue to lead the strategy.

 $<sup>{\</sup>color{red}{}^{1}} \ \, \text{The Meketa Investment Group recommendations are based on organizational or resource changes at each manager.}$ 

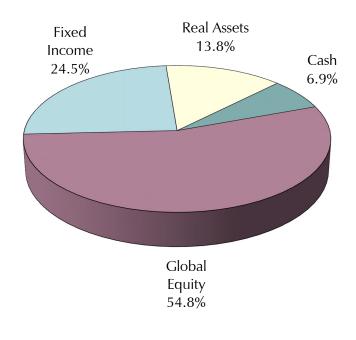


Executive Summar

### Fund Summary As of September 30, 2014

## Aggregate Assets as of 9/30/14







# Aggregate Assets Asset Summary as of 9/30/14

	Market Value 9/30/14 (\$ mm)	% of Health Care Trust	Target Allocation (%)	Target Range (%)	Market Value 6/30/14 (\$ mm)
Total Fund Aggregate	101.1	100.0	NA	NA	81.2
Global Equity	55.4	54.8	59	53-65	45.9
Fixed Income	24.8	24.5	28	23-33	21.3
Real Assets	14.0	13.8	13	8-18	12.9
Cash	7.0	6.9	0	0	1.0



# Aggregate Assets Portfolio Roster as of 9/30/14

	Market Value 9/30/14 (\$ mm)	% of Asset Class	% of Health Care Trust	Target Allocation (%)	Target Range (%)	Market Value 6/30/14 (\$ mm)
Total Fund Aggregate	101.1	NA	100.0	NA	NA	81.2
Global Equity	55.4	100.0	54.8	59	53-65	45.9
Vanguard Developed Markets Index	24.7	44.6	24.4			20.9
Vanguard Russell 3000	20.5	37.0	20.3			20.5
Vanguard Emerging Markets Stock Index	10.2	18.4	10.1			4.5
Fixed Income Assets	24.8	100.0	24.5	28	23-33	21.3
Vanguard Total Bond Market Index	15.1	61.1	15.0			11.8
Vanguard Inflation-Protected Securities	9.6	38.9	9.5			9.4
Real Assets	14.0	100.0	13.8	13	8-18	12.9
Credit Suisse Compound Risk Parity Commodity Index	8.8	63.3	8.7			7.1
First Quadrant Risk Parity Commodity Index	5.1	36.7	5.1			5.8
Cash	7.0	100.0	6.9			1.0
SSgA US Government Money Market Fund	0.0	0.0	0.0			0.0



# Aggregate Assets Performance as of 9/30/14

	Fiscal YR <sup>1</sup> / 3Q14 (%)	Cal YTD (%)	1 YR (%)	3 YR (%)	Performance Inception Date	Since Inception (%)
Total Fund Aggregate	-3.4	2.2	6.2	7.6	7/1/11	6.6
CPI Medical Care (Inflation)	0.3	2.2	2.0	2.8		2.8
San Jose Healthcare Policy Benchmark <sup>2</sup>	-2.9	3.2	7.2	10.4		5.9
San Jose Healthcare Custom Benchmark <sup>3</sup>	-3.2	2.4	6.5	8.1		7.1
Global Equity	-3.3	2.4	9.7	NA	12/1/11	15.2
Global Equity HC Policy Benchmark⁴	-3.0	2.7	10.2	17.2		15.3
MSCI ACWI IMI	-2.8	3.2	10.7	16.7		14.8
Fixed Income	-0.6	4.1	3.0	NA	12/1/11	1.6
Fixed Income HC Policy Benchmark <sup>5</sup>	-0.8	3.9	2.9	2.0		1.7
Barclays Aggregate	0.2	4.1	4.0	2.4		2.6
Barclays U.S. TIPS	-2.0	3.7	1.6	1.3		0.5
Real Assets	-8.7	2.2	1.0	<b>-</b> 4.5	8/1/11	-6.8
Custom Risk Parity Commodity Benchmark <sup>6</sup>	-7.1	3.6	2.0	-1.9		-4.7
Bloomberg Commodity Index	-11.8	-5.6	-6.6	-5.4		-9.5

<sup>&</sup>lt;sup>6</sup> Custom Risk Parity Commodity Benchmark returns provided by Credit Suisse.



Fund Summary

3Q14

<sup>&</sup>lt;sup>1</sup> Fiscal Year begins July 1.

<sup>&</sup>lt;sup>2</sup> Policy Benchmark consists of 26.5% Russell 3000, 26.5% MSCI EAFE, 6% Emerging Markets, 16% Barclays Aggregate Float Adjusted, 12% Barclays U.S. TIPS, and 13% Custom Risk Parity Benchmark.

<sup>&</sup>lt;sup>3</sup> Custom Benchmark consists of the individual benchmarks that comprise the Policy Benchmark weighted accordingly to actual allocations and re-adjusted monthly.

<sup>&</sup>lt;sup>4</sup> Global Equity HC Policy Benchmark consists of 44.9% Russell 3000, 44.9% MSCI EAFE, and 10.2% MSCI Emerging Markets.

<sup>&</sup>lt;sup>5</sup> Fixed Income HC Policy Benchmark consists of 57.1% Barclays Aggregate Float Adjusted, and 42.9% Barclays U.S. TIPS.

## Aggregate Assets Performance as of 9/30/14

	Fiscal YR <sup>1</sup> / 3Q14 (%)	Cal YTD (%)	1 YR (%)	3 YR (%)	Performance Inception Date	Since Inception (%)
Global Equity	-3.3	2.4	9.7	NA	12/1/11	15.2
Vanguard Developed Markets Index <sup>2</sup>	-6.0	<b>-</b> 1.5	4.0	NA	12/1/11	12.5
Spliced Developed Markets Index <sup>3</sup>	-5.8	-1.1	4.3	13.7		12.9
Vanguard Russell 3000	0.0	6.9	17.7	NA	12/1/11	19.9
Russell 3000	0.0	7.0	17.8	23.1		20.0
Vanguard Emerging Markets Stock Index <sup>1</sup>	-2.4	4.5	6.2	NA	12/1/11	4.7
Spliced Emerging Markets Index <sup>4</sup>	-2.3	4.9	6.5	7.4		5.8
Fixed Income	-0.6	4.1	3.0	NA	12/1/11	1.6
Vanguard Total Bond Market Index	0.2	4.1	3.9	NA	12/1/11	2.5
Barclays Aggregate Float Adjusted Index	0.2	4.0	4.0	2.5		2.6
Vanguard Inflation-Protected Securities	-1.9	3.9	1.6	NA	12/1/11	0.5
Barclays U.S. TIPS	-2.0	3.7	1.6	1.3		0.5

<sup>&</sup>lt;sup>4</sup> The Vanguard Spliced Emerging Markets Index reflects performance of the MSCI Emerging Markets Index through January 9, 2013; the FTSE Emerging Transition Index through June 27, 2013; and the FTSE Emerging Index thereafter.



Fund Summary 5

3Q14

<sup>&</sup>lt;sup>1</sup> Fiscal Year begins July 1.

<sup>&</sup>lt;sup>2</sup> Vanguard international equity strategies may temporarily differ from the benchmark due to fair value pricing. Fair value pricing is an adjustment made to prices in the index after the markets close for securities that trade on foreign exchanges.

<sup>&</sup>lt;sup>3</sup> The Vanguard Spliced Developed Markets Index reflects the performance of the MSCI EAFE Index through May 28, 2013 and the FTSE Developed ex. North America Index thereafter.

# Aggregate Assets Performance as of 9/30/14

	Fiscal YR¹/ 3Q14 (%)	Cal YTD (%)	1 YR (%)	3 YR (%)	Performance Inception Date	Since Inception (%)
Real Assets	-8.7	2.2	1.0	-4.5	8/1/11	-6.8
Credit Suisse Compound Risk Parity Commodity Index	-6.8	3.2	1.9	-1.9	8/1/11	-4.5
Custom Risk Parity Commodity Benchmark <sup>2</sup>	-7.1	3.6	2.0	-1.9		-4.7
Bloomberg Commodity Index	-11.8	-5.6	-6.6	-5.4		-9.5
First Quadrant Risk Parity Commodity Index	-11.5	2.1	1.3	-6.5	8/1/11	-8.7
Custom Risk Parity Commodity Benchmark <sup>1</sup>	-7.1	3.6	2.0	-1.9		-4.7
Bloomberg Commodity Index	-11.8	-5.6	-6.6	-5.4		-9.5

Fiscal Year begins July 1.
 Custom Risk Parity Commodity Benchmark returns provided by Credit Suisse.



### **Fund Detail**

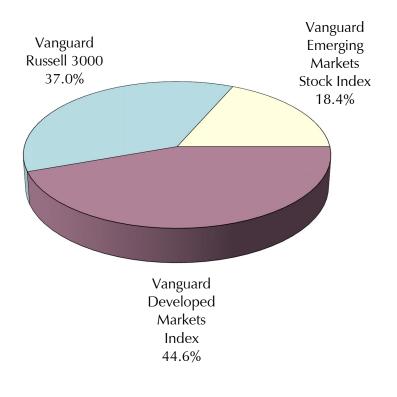
Global Equity Assets as of 9/30/14

Global Equity Assets As of September 30, 2014



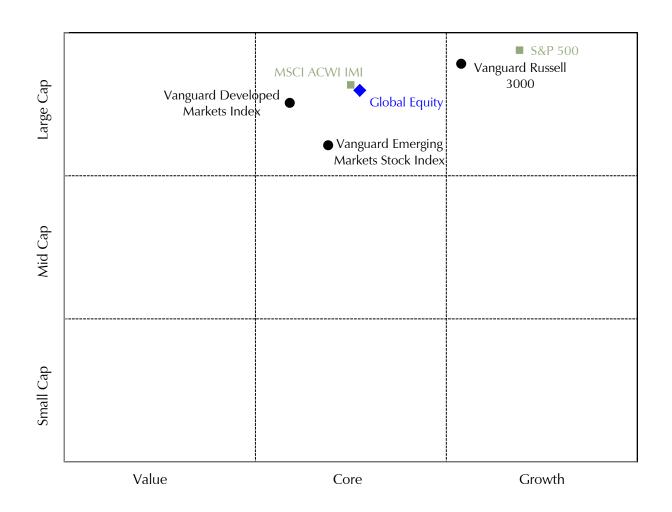
## Global Equity Assets as of 9/30/14







### Global Equity Assets Style as of 9/30/14





### Global Equity Assets Characteristics as of 9/30/14

Capitalization Structure:	Aggregate Global Equity 9/30/14	MSCI ACWI IMI 9/30/14	Aggregate Global Equity 6/30/14
Weighted Average Market Cap. (US\$ billion)	68.6	74.4	73.6
Median Market Cap. (US\$ billion)	3.4	1.4	3.0
Large (% over US\$20 billion)	62	62	64
Medium (% US\$3 billion to US\$20 billion)	32	28	30
Small (% under US\$3 billion)	6	10	6
Fundamental Structure:			
Price-Earnings Ratio	17	18	18
Price-Book Value Ratio	1.9	1.8	2.0
Dividend Yield (%)	2.5	2.4	2.4
Historical Earnings Growth Rate (%)	11	12	12
Projected Earnings Growth Rate (%)	12	12	11



# Global Equity Assets Diversification as of 9/30/14

Diversification:	Aggregate Global Equity 9/30/14	MSCI ACWI IMI 9/30/14	Aggregate Global Equity 6/30/14
Number of Holdings	4,930	8,507	5,311
% in 5 largest holdings	4	5	4
% in 10 largest holdings	7	7	7

Largest Five Holdings:	% of Portfolio	<b>Economic Sector</b>
Apple	1.0	Technology Equipment
Nestle	0.7	Food, Beverage & Tobacco
Novartis	0.7	Pharmaceuticals & Biotech.
ExxonMobil	0.7	Energy
Roche	0.7	Pharmaceuticals & Biotech.



### Global Equity Assets Sector Allocation as of 9/30/14

Sector Allocation (%):	Aggregate Global Equity 9/30/14	MSCI ACWI IMI 9/30/14	Aggregate Global Equity 6/30/14
Financials	23	22	22
Telecommunication Services	4	3	4
Consumer Staples	9	9	9
Materials	7	6	6
Utilities	3	3	4
Industrials	11	11	12
Energy	8	9	9
Consumer Discretionary	11	12	12
Health Care	10	11	11
Information Technology	12	13	12



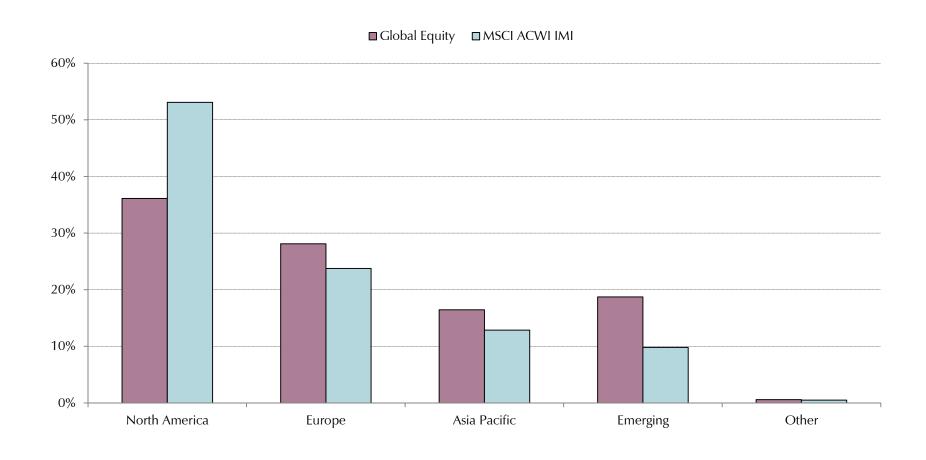
# Global Equity Assets Country & Region Breakdown as of 9/30/14

	Aggregate Global Equity 9/30/14 (%)	MSCI ACWI IMI 9/30/14 (%)
North America	36.1	53.1
United States of America	36.1	49.3
Europe	28.1	23.8
United Kingdom	7.7	6.7
Switzerland	4.2	3.4
France	3.8	3.0
Germany	3.6	2.9
Netherlands	2.1	1.7
Spain	1.5	1.2
Sweden	1.3	1.1
Italy	1.0	0.9
Asia Pacific	16.4	12.9
Japan	9.5	7.6
Australia	3.2	2.6
Hong Kong	3.0	2.0

	Aggregate Global Equity 9/30/14 (%)	MSCI ACWI IMI 9/30/14 (%)
Emerging	18.7	9.8
Taiwan	2.5	1.4
China	2.4	1.1
Brazil	2.3	1.0
India	2.0	0.8
South Korea	1.9	1.6
South Africa	1.7	0.8
Mexico	1.1	0.5
Other	0.6	0.5



### **Global Equity Assets** Region Breakdown as of 9/30/14





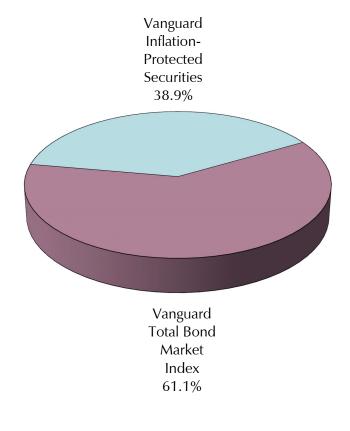
Fixed Income Assets as of 9/30/14

Fixed Income Assets
As of September 30, 2014



## Fixed Income Assets as of 9/30/14

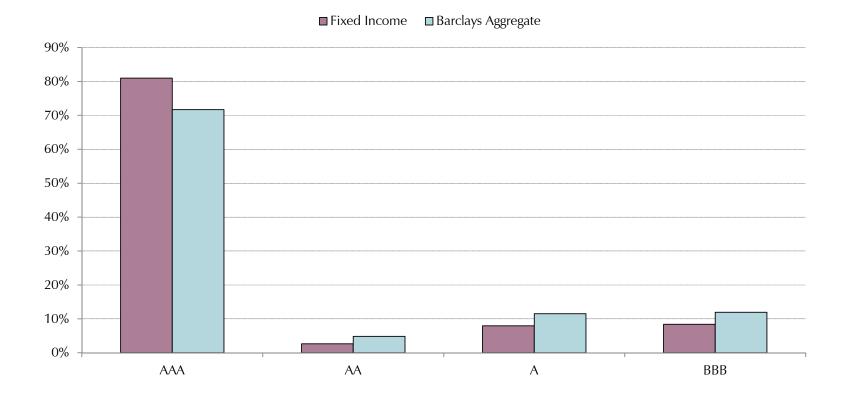






### **Fixed Income Assets** Characteristics as of 9/30/14

	Aggregate		Aggregate	
Duration & Yield:	Fixed Income 9/30/14	Barclays Aggregate 9/30/14	Fixed Income 6/30/14	
Average Effective Duration (years)	6.5	5.6	6.6	
Yield to Maturity (%)	2.3	2.4	2.2	





## Fixed Income Assets Diversification as of 9/30/14

Market Allocation (%):	Aggregate Fixed Income 9/30/14	Barclays Aggregate 9/30/14	Aggregate Fixed Income 6/30/14
United States	95	91	95
Foreign (developed markets)	4	7	3
Foreign (emerging markets)	1	2	2
Currency Allocation (%):			
Non-U.S. Dollar Exposure	0	0	0
Sector Allocation (%):			
U.S. Treasury-Nominal	26	36	20
U.S. Treasury-TIPS	39	0	44
U.S. Agency	2	5	2
Mortgage Backed	10	29	16
Corporate	16	23	13
Bank Loans	0	0	0
Local & Provincial Government	0	1	1
Sovereign & Supranational	4	3	2
Commercial Mortgage Backed	1	2	1
Asset Backed	0	1	0
Cash Equivalent	0	0	0
Other	1	0	0



### Portfolio Reviews As of September 30, 2014

### Global Equity Portfolio Reviews as of 9/30/14

### Global Equity Portfolio Reviews As of September 30, 2014



Large

Medium

Small

#### Vanguard Developed Markets Index Portfolio Detail as of 9/30/14

Mandate: International Equities,
Developed Markets

Active/Passive: Passive

Market Value: \$24.7 million

**Portfolio Manager:** Duane Kelly Michael Perre

**Location:** Valley Forge, Pennsylvania

**Inception Date:** 12/1/2011

Account Type: Mutual Fund (VTMNX)

Fee Schedule:

0.07% on all assets

**Liquidity Constraints:** 

Daily

Strategy:

The Vanguard Developed Markets Index Fund seeks to track the performance of the FTSE Developed (ex. North America) index, which measures the investment return of stocks issued by companies located in the major markets of Europe and the Pacific Region. The fund employs a passive management investment approach by investing all, or substantially all, of its assets in the common stocks included in the index.

Performance (%):	3Q14	1 YR	Since 12/1/11
Vanguard Developed Markets Index	-6.0	4.0	12.5
Spliced Developed Markets Index <sup>1</sup>	-3.4	7.0	13.9

		0/14		/30/14	
Capitalization Structure:	Vanguard Developed Markets	FTSE Dev ex. North America	Vanguard Developed Markets	FTSE Dev ex. North America	
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ billion)	57.3 5.9	57.3 5.9	60.8 6.3	60.8 6.3	
Large (% over US\$20 billion) Medium (% US\$3 billion to US\$20 billion) Small (% under US\$3 billion)	65 32 3	65 32 3	66 31 3	66 31 3	
Fundamental Structure:					
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	17 1.6 2.9 8 10	17 1.6 2.9 8 10	17 1.6 2.9 9 10	17 1.6 2.9 9 10	
Sector Allocation (%):					
Industrials Financials Energy Consumer Discretionary Information Technology Telecommunication Services Consumer Staples Utilities Health Care Materials	13 25 6 12 6 5 11 4 11 8	13 25 6 12 6 5 11 4 11 8	13 24 7 12 6 4 11 4 10 8	13 24 7 12 6 4 11 4 10 8	
Diversification:					
Number of Holdings % in 5 largest holdings % in 10 largest holdings	1,395 7 12	1,380 <i>7</i> 12	1,368 <i>7</i> 12	1,357 7 12	
Region Allocation (%):					
Europe Asia Pacific Emerging Other	62 33 4 1	62 33 4 1	62 32 5 1	62 32 5 1	
Largest Five Holdings:		Industry			
Nestle Novartis Roche HSBC Toyota Motor	1.7 1.6 1.5 1.4 1.1	.6 Pharmaceuticals & Biotech5 Pharmaceuticals & Biotech4 Banks			

 $<sup>{\</sup>color{red}^{1}} \quad \text{MSCI EAFE Index through April 16, 2013; FTSE Developed ex North America Index thereafter.}$ 



Portfolio Detail

3Q14

#### Vanguard Russell 3000 Portfolio Detail as of 9/30/14

Mandate: Domestic Equities

Active/Passive: Passive
Market Value: \$20.5 million
Portfolio Manager: Jeffrey D. Miller

Location: Valley Forge, Pennsylvania

Inception Date: 12/1/2011

**Account Type:** Mutual Fund (VRTTX)

Large
Medium
Small

#### Fee Schedule:

0.08% on all assets

#### **Liquidity Constraints:**

Daily

#### Strategy:

Vanguard Russell 3000 Index Fund seeks to track the investment performance of the Russell 3000 index, an unmanaged benchmark representing the broad U.S. equity market. The fund attempts to replicate the target index by investing all, or substantially all, of its assets in the stocks that make up the index, holding each stock in approximately the same proportion as its weighting within the index. Vanguard's Quantitative Equity Group manages the fund.

Performance (%):	3Q14	1 YR	Since 12/1/11
Vanguard Russell 3000	0.0	17.7	19.9
Russell 3000	0.0	17.8	20.0

	9/3 Vanguard	0/14	6/30/14 Vanguard	
Capitalization Structure:	Russell 3000	Russell 3000	Russell 3000	Russell 3000
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ billion)	100.9 1.8	100.7 1.4	95.9 1.5	95.9 1.5
Large (% over US\$20 billion) Medium (% US\$3 billion to US\$20 billion) Small (% under US\$3 billion)	69 24 7	68 24 8	67 25 8	67 25 8
Fundamental Structure:				
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	19 2.5 1.9 14 12	19 2.5 1.9 14 12	20 2.6 1.8 15	20 2.6 1.8 15 12
Sector Allocation (%):				
Information Technology Industrials Consumer Discretionary Materials Consumer Staples Telecommunication Services Energy Utilities Financials Health Care	19 11 12 4 8 2 9 3 17	19 11 12 4 8 2 9 3 17	18 12 12 4 8 2 10 3 17	18 12 12 4 8 2 10 3 17
Diversification:				
Number of Holdings % in 5 largest holdings % in 10 largest holdings	2,571 9 14	2,983 9 14	3,001 9 14	2,999 9 14
Region Allocation (%):				
North America Europe Asia Pacific Emerging Other	98 2 0 0	98 2 0 0 1	98 2 0 0 1	98 2 0 0 1
Largest Five Holdings:		Industry		
Apple ExxonMobil Microsoft Johnson & Johnson General Electric	2.8 1.9 1.8 1.4	Technology Equ Energy Software & Serv Pharmaceutical Capital Goods	/ices	



#### **Vanguard Emerging Markets Stock Index** Portfolio Detail as of 9/30/14

Mandate: International Equities,

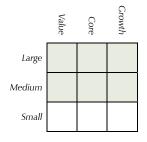
**Emerging Markets** 

Passive Active/Passive: Market Value: \$10.2 million Portfolio Manager: Michael Perre

Location: Valley Forge, Pennsylvania

Inception Date: 12/1/2011

Account Type: Mutual Fund (VEMAX)



Fee Schedule:

0.15% on all assets

**Liquidity Constraints:** 

Daily

Strategy:

The Vanguard Emerging Markets Stock Index strategy seeks to replicate the characteristics and returns of the FTSE Emerging Markets index, a broad index of stocks issued by companies located in emerging markets around

Performance (%):	3Q14	1 YR	Since 12/1/11
Vanguard Emerging Markets Stock Index	-2.4	6.2	4.7
Spliced Emerging Markets Index <sup>1</sup>	-2.3	6.5	5.8

	9/3	0/14	6/30	0/14
Capitalization Structure:	Vanguard EM Index	FTSE Emerging Index	Vanguard EM Index	FTSE Emerging Index
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ billion)	31.0 4.3	31.0 3.9	31.8 4.4	31.7 4.1
Large (% over US\$20 billion) Medium (% US\$3 billion to US\$20 billion) Small (% under US\$3 billion)	44 47 9	44 47 9	44 47 9	44 47 9
Fundamental Structure:				
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	14 1.6 3.0 12 14	14 1.7 3.0 12 14	15 1.6 3.1 13 14	15 1.6 3.1 13 14
Sector Allocation (%):				
Financials Industrials Consumer Discretionary Materials Consumer Staples Information Technology Health Care Telecommunication Services Utilities Energy	29 7 8 9 8 13 2 9 4 12	29 6 7 9 8 13 2 9 4	29 6 7 9 9 13 2 8 4 13	29 6 7 9 9 13 2 8 4
Diversification:				
Number of Holdings % in 5 largest holdings % in 10 largest holdings	964 8 14	904 9 15	942 8 14	892 9 15
Region Allocation (%):				
Asia Pacific Latin America Europe/MidEast/Africa Other	50 21 19 9	50 21 20 9	49 22 20 8	49 22 21 8
Largest Five Holdings:		Industry		
Tencent Holdings China Mobile Taiwan Semiconductor China Construction Bank Industrial and Commercial Bank of China	2.0 1.7 1.5 1.5	Software & Service Telecom Services Semiconductors Banks Banks	es	

<sup>&</sup>lt;sup>1</sup> MSCI Emerging Markets Index through January 9, 2013; FTSE Emerging Transition Index from January 10, 2013 through July 3, 2013; FTSE Emerging Index thereafter.



Portfolio Detail 4

## Fixed Income Portfolio Reviews as of 9/30/14

### Fixed Income Portfolio Reviews As of September 30, 2014



#### Vanguard Total Bond Market Index Portfolio Detail as of 9/30/14

Mandate: Fixed Income Active/Passive: Passive Int. Market Value: \$15.1 million Portfolio Manager: Gregory Davis, CFA High Kenneth Volpert, CFA Valley Forge, Pennsylvania Location: Medium Inception Date: 12/1/2011 Account Type: Mutual Fund (VBTIX) Low

Fee Schedule:

0.07% on all assets

**Liquidity Constraints:** 

Daily

#### Strategy:

The Vanguard Total Bond Market Index portfolio is structured to mirror the Barclays U.S. Aggregate index, a broad basket consisting mainly of U.S. government, mortgage-backed, and investment-grade corporate fixed income securities. Vanguard passively manages the strategy using index sampling to create an intermediate-duration portfolio that provides moderate income while maintaining high credit quality.

Performance (%):	3Q14	1 YR	Since 12/1/11
Vanguard Total Bond Market Index	0.2	3.9	2.5
Barclays Aggregate Float Adjusted Index	0.2	4.0	2.6

	9/30	/14	6/30	/14
	9/30,	Barclays Agg	0/30	Barclays Agg
	Vguard Bond	Float Adjusted	Vguard Bond	Float Adjusted
Duration & Yield:	Mkt Index	Index	Mkt Index	Index
Average Effective Duration (years)	5.6	5.6	5.6	5.6
Yield to Maturity (%)	2.2	2.3	2.2	2.2
Quality Structure (%):				
Average Quality	AA+	AA+	AA+	AA+
AAA (includes Treasuries and Agencies)	69	68	72	68
AA	4	5	5	5
A	13	13	12	13
BBB	14	13	12	13
BB	0	0	0	0
В	0	0	0	0
Below B	0	0	0	0
Non-Rated	0	0	0	0
Sector Allocation (%):				
U.S. Treasury-Nominal	42	40	35	39
U.S. Treasury-TIPS	0	0	0	0
U.S. Agency	4	6	4	6
Mortgage Backed	17	21	29	21
Corporate	27	26	23	26
Bank Loans	0	0	0	0
Local & Provincial Government	0	1	2	1
Sovereign & Supranational	7	3	4	3
Commercial Mortgage Backed	2	2	2	2
Asset Backed	1	1	0	1
Cash Equivalent	0	0	0	0
Other	1	0	0	0
Market Allocation (%):				
United States	92	90	91	90
Foreign (developed markets)	6	8	5	8
Foreign (emerging markets)	2	3	4	3
Currency Allocation (%):				
Non-U.S. Dollar Exposure	0	0	0	0



#### Vanguard Inflation-Protected Securities Portfolio Detail as of 9/30/14

Mandate: Fixed Income Active/Passive: Passive Market Value: \$9.6 million Portfolio Manager: Gemma Wright-Casparius High Location: Valley Forge, Pennsylvania **Inception Date:** 12/1/2011 Medium Account Type: Mutual Fund (VIPIX) Low

Fee Schedule:

0.07% on all assets

**Liquidity Constraints:** 

Daily

#### Strategy:

The Vanguard Inflation-Protected Securities strategy seeks long-term returns that exceed inflation by investing at least 80% of its assets in high-quality inflation-indexed bonds. These securities, primarily issued by the U.S. Treasury, government agencies, and domestic corporations, automatically adjust their principal and interest payments over time in response to changes in inflation.

Performance (%):	3Q14	1 YR	Since 12/1/11
Vanguard Inflation-Protected Securities	-1.9	1.6	0.5
Barclays U.S. TIPS	-2.0	1.6	0.5

	9/30	9/30/14		6/30/14		
Duration & Yield:	Vanguard TIPS Index	Barclays U.S. TIPS	Vanguard TIPS Index	Barclays U.S. TIPS		
Average Effective Duration (years) Yield to Maturity (%) <sup>1</sup>	7.9 2.3	7.2 2.3	7.9 2.1	7.2 2.1		
Quality Structure (%):						
Average Quality AAA (includes Treasuries and Agencies) AA A BBB BB B B B Below B Non-Rated	AAA 100 0 0 0 0 0 0 0	AAA 100 0 0 0 0 0 0	AAA 100 0 0 0 0 0 0	AAA 100 0 0 0 0 0 0 0		
Sector Allocation (%):						
U.S. Treasury-Nominal U.S. Treasury-TIPS U.S. Agency Mortgage Backed Corporate Bank Loans Local & Provincial Government Sovereign & Supranational Commercial Mortgage Backed Asset Backed Cash Equivalent Other	1 99 0 0 0 0 0 0 0 0	0 100 0 0 0 0 0 0 0 0	1 99 0 0 0 0 0 0 0 0	0 100 0 0 0 0 0 0 0 0		
Market Allocation (%):						
United States Foreign (developed markets) Foreign (emerging markets)	100 0 0	100 0 0	100 0 0	100 0 0		
Currency Allocation (%):						
Non-U.S. Dollar Exposure	0	0	0	0		

<sup>1</sup> This figure is an estimated yield-to-maturity (YTM) for the fund. It is calculated by adding the trailing 12-month inflation adjustment to the "real" (i.e., before inflation) YTM of the fund. Adding the 12-month inflation adjustment allows the fund's yield to be more directly comparable to those of other bond funds. Investors should recognize that the actual YTM will depend upon the level of inflation experienced going forward.



Portfolio Detail

## Real Assets Portfolio Reviews as of 9/30/14

Real Assets Portfolio Reviews As of September 30, 2014



#### Credit Suisse Compound Risk Parity Commodity Index Portfolio Detail as of 9/30/14

Mandate: Commodity
Active/Passive: Active

Market Value: \$8.8 million

Portfolio Manager: Christopher Burton

Location: New York, New York

**Inception Date:** 8/1/2011

Account Type: Commingled Fund

Fee Schedule:

0.42% on first \$100 mm; 0.37% thereafter

**Liquidity Constraints:** 

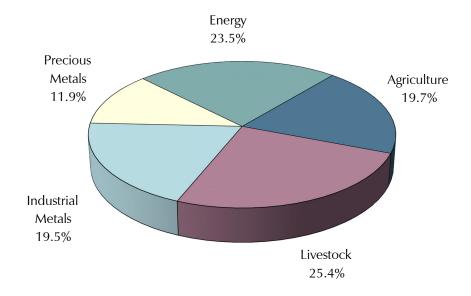
Daily

#### Strategy

Credit Suisse Asset Management (CSAM) seeks to provide a commodity-based investment return with reduced risk, measured by standard deviation, versus traditional commodity indices. The team aims to capture the spot return of commodities while employing active management techniques to exploit commodity market inefficiencies. The commodities team at CSAM utilizes futures to replicate the risk-based index. The portfolio consists of five commodity complexes (energy, industrial metals, precious metals, agriculture, and livestock) and 24 commodities included in the S&P- Goldman Sachs Commodities Index. CSAM allocates 20% of capital to each of the commodity complexes. Within each commodity complex, the strategy equal weights the specific commodities. The portfolio is rebalanced on a monthly basis. Active strategies used by CSAM seek to exploit the time period (roll date) the fund purchases commodities, using a quantitative and qualitative assessment. Collateral for the fund is actively managed and invested in U.S. Treasuries and agency securities.

Performance (%):	3Q14	1 YR	3 YR	Since 8/1/11
Credit Suisse Compound Risk Parity Commodity Index	-6.8	1.9	-1.9	-4.5
Custom Risk Parity Commodity Benchmark <sup>1</sup>	-7.1	2.0	-1.9	-4.7
Bloomberg Commodity Index	-11.8	-6.6	-5.4	<b>-</b> 9.5

#### **Current Allocation:**



Custom Risk Parity Commodity Benchmark returns provided by Credit Suisse.



Portfolio Detail 9

3Q14

# First Quadrant Risk Parity Commodity Index Portfolio Detail as of 9/30/14

Mandate: Commodity
Active/Passive: Active

Market Value: \$5.1 million
Portfolio Manager: Team

Location: Pasadena, California

**Inception Date:** 8/1/2011

Account Type: Commingled Fund

Fee Schedule:

0.35% on all assets

**Liquidity Constraints:** 

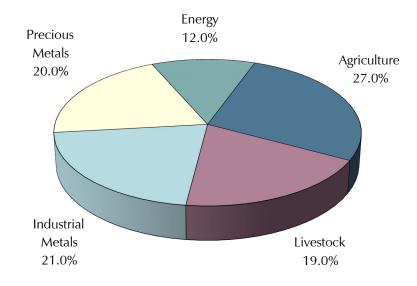
Monthly

#### Strategy:

First Quadrant believes that there are inherent flaws to commodity indices, and they seek to produce a strategy which providing investors a higher correlation to inflation over the long run. First Quadrant utilizes futures and swaps to gain exposure to five commodity complexes, representing twenty specific commodities, and targets 20% risk to each of the commodity complexes. The complexes are energy, industrial metals, precious metals, agriculture, and livestock. The firm employs a quantitative methodology and uses risk as the weighting for each commodity product, making adjustments to the allocations depending upon the perceived volatility environment (high risk, low risk, or moderate risk). The firm will modify the investment exposure based upon the predicted environment ranging from 88% (in a high volatility environment) to 146% (in a low volatility environment). Collateral for the portfolio is actively managed and invested in U.S. Treasuries and agency securities.

Performance (%):	3Q14	1 YR	3 YR	Since 8/1/11
First Quadrant Risk Parity Commodity Index	-11.5	1.3	-6.5	-8.7
Custom Risk Parity Commodity Benchmark <sup>1</sup>	-7.1	2.0	-1.9	-4.7
Bloomberg Commodity Index	-11.8	-6.6	-5.4	-9.5

#### **Current Allocation:**



Custom Risk Parity Commodity Benchmark returns provided by Credit Suisse.



Portfolio Detail

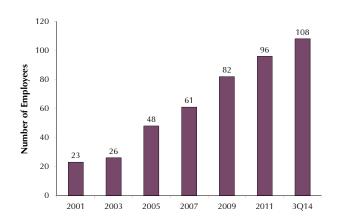
# Meketa Investment Group Corporate Update

# Meketa Investment Group Firm Overview

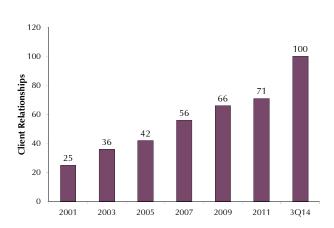
- Staff of 108, including 65 investment professionals and 24 CFA Charterholders
- 100 clients, with over 180 funds throughout the United States
- Significant investment in staff and resources
- Offices in Boston, Miami, Portland (OR), San Diego, and London
- Clients have aggregate assets of over \$700 billion
  - Over \$20 billion in assets committed to alternative investments
    - Private Equity
- Infrastructure
- Natural Resources

- Real Estate
- Hedge Funds
- Commodities

# **Employee Growth**



### **Client Growth**



Meketa Investment Group is proud to work for 4.9 million American families everyday



# Asset Classes Followed Intensively by Meketa Investment Group

Domestic	International	Private	Real	Fixed	Hedge
Equities	Equities	Equity	Assets	Income	Funds
<ul> <li>Passive</li> <li>Enhanced Index</li> <li>Large Cap</li> <li>Midcap</li> <li>Small Cap</li> <li>Microcap</li> <li>130/30</li> </ul>	<ul> <li>Large Cap         Developed</li> <li>Small Cap         Developed</li> <li>Emerging Markets</li> <li>Frontier Markets</li> </ul>	<ul> <li>Buyouts</li> <li>Venture Capital</li> <li>Private Debt</li> <li>Special Situations</li> <li>Secondaries</li> <li>Fund of Funds</li> </ul>	<ul> <li>Public REITs</li> <li>Core Real Estate</li> <li>Value Added Real Estate</li> <li>Opportunistic Real Estate</li> <li>Infrastructure</li> <li>Timber</li> <li>Natural Resources</li> <li>Commodities</li> </ul>	<ul> <li>Short-Term</li> <li>Core</li> <li>Core Plus</li> <li>TIPS</li> <li>High Yield</li> <li>Bank Loans</li> <li>Distressed</li> <li>Global</li> <li>Emerging Markets</li> </ul>	<ul> <li>Long/Short Equity</li> <li>Event Driven</li> <li>Relative Value</li> <li>Fixed Income Arbitrage</li> <li>Multi Strategy</li> <li>Market Neutral</li> <li>Global Macro</li> <li>Fund of Funds</li> <li>Portable Alpha</li> </ul>

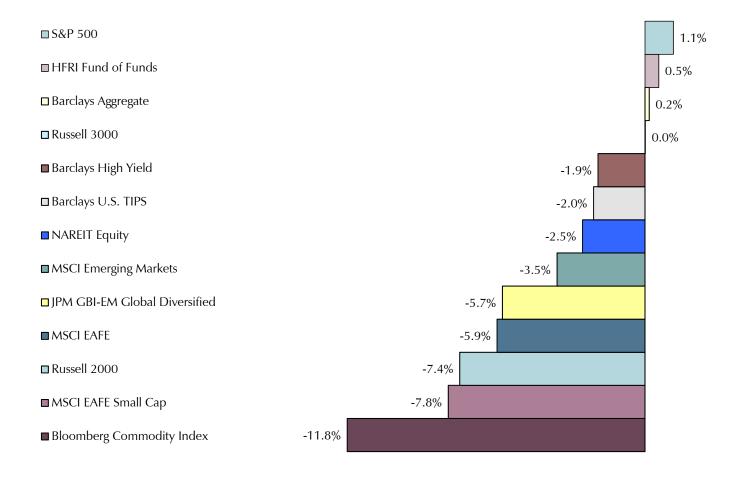
# **Appendices**

The World Markets 3rd Quarter of 2014

The World Markets
Third Quarter of 2014



# The World Markets Third Quarter of 2014





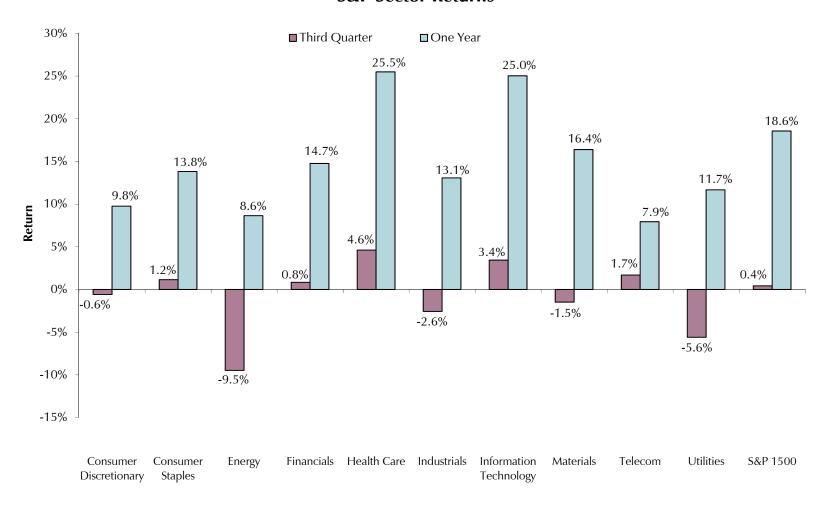
# The World Markets 3rd Quarter of 2014

Index	Returns
-------	---------

		,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	3Q14 (%)	YTD (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
Domestic Equity						
Russell 3000	0.0	7.0	17.8	23.1	15.8	8.4
Russell 1000	0.7	8.0	19.0	23.2	15.9	8.5
Russell 1000 Growth	1.5	7.9	19.1	22.4	16.5	8.9
Russell 1000 Value	-0.2	8.1	18.9	23.9	15.3	7.8
Russell MidCap	-1.7	6.9	15.8	23.8	17.2	10.3
Russell MidCap Growth	-0.7	5.7	14.4	22.7	17.1	10.2
Russell MidCap Value	-2.6	8.2	17.5	24.7	17.2	10.2
Russell 2000	-7.4	-4.4	3.9	21.3	14.3	8.2
Russell 2000 Growth	-6.1	-4.0	3.8	21.9	15.5	9.0
Russell 2000 Value	-8.6	-4.7	4.1	20.6	13.0	7.3
Foreign Equity						
MSCI ACWI (ex. U.S.)	-5.3	0.0	4.8	11.8	6.0	7.1
MSCI EAFE	-5.9	-1.4	4.3	13.6	6.6	6.3
MSCI EAFE (local currency)	0.9	4.1	10.7	17.3	8.1	5.9
MSCI EAFE Small Cap	-7.8	-2.7	3.0	14.5	8.9	8.0
MSCI Emerging Markets	-3.5	2.4	4.3	7.2	4.4	10.7
MSCI Emerging Markets (local currency)	0.6	5.2	8.3	10.1	6.3	10.9
ixed Income						
Barclays Universal	0.0	4.2	4.4	3.2	4.7	4.9
Barclays Aggregate	0.2	4.1	4.0	2.4	4.1	4.6
Barclays U.S. TIPS	-2.0	3.7	1.6	1.3	4.5	4.6
Barclays High Yield	-1.9	3.5	7.2	11.1	10.6	8.3
JPMorgan GBI-EM Global Diversified	-5.7	0.0	-1.5	2.2	4.4	8.8
Other						
NAREIT Equity	-2.5	13.4	13.2	17.2	16.2	8.5
Bloomberg Commodity Index	-11.8	-5.6	-6.6	-5.4	-1.4	-2.1
HFRI Fund of Funds	0.5	2.7	6.4	5.3	3.5	3.5

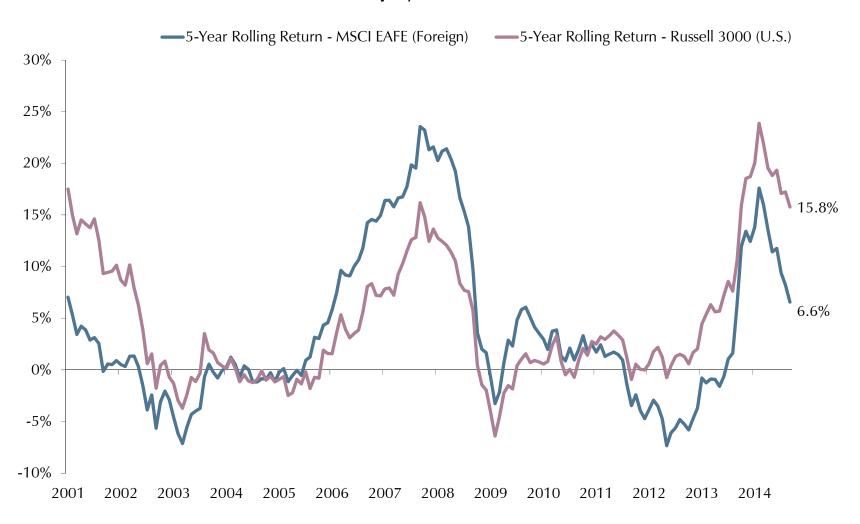


## **S&P Sector Returns**





# **Equity Markets**





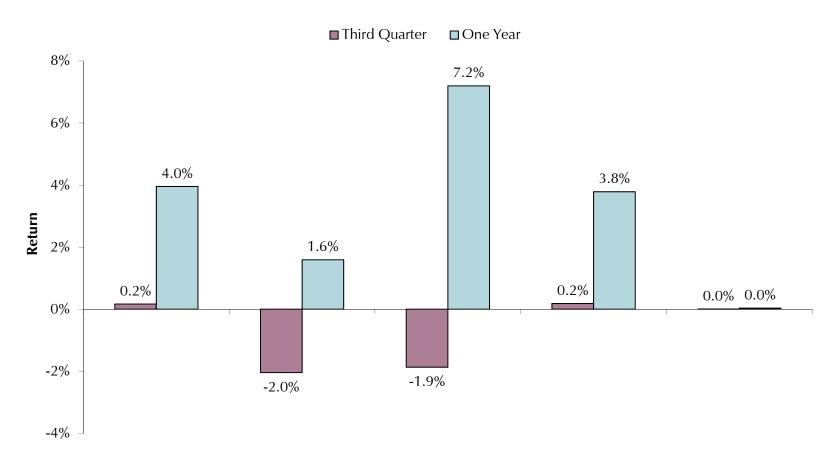
# **Rolling Ten-Year Returns: 65% Stocks and 35% Bonds**

—65% Stocks (Russell 3000) / 35% Bonds (Barclays Aggregate) 10-Year Rolling Return





# **U.S. Fixed Income Markets**





Barclays U.S. TIPS

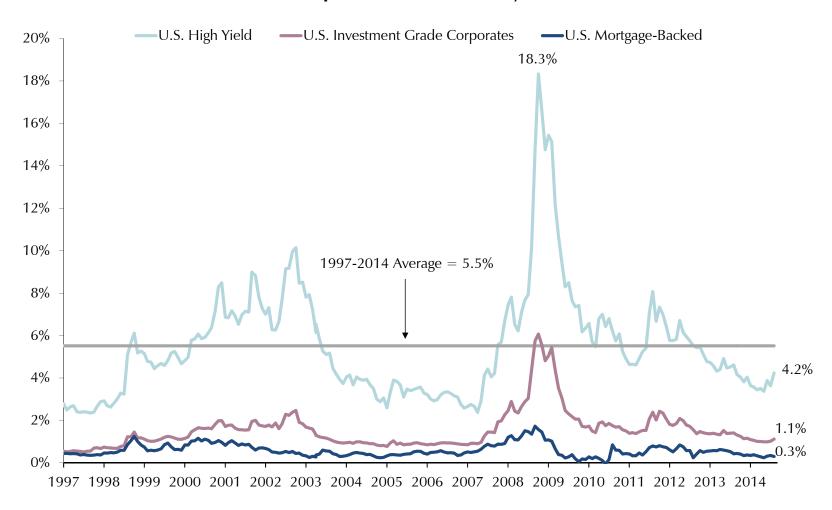
Barclays High Yield

Barclays Mortgage

90-Day T-Bills



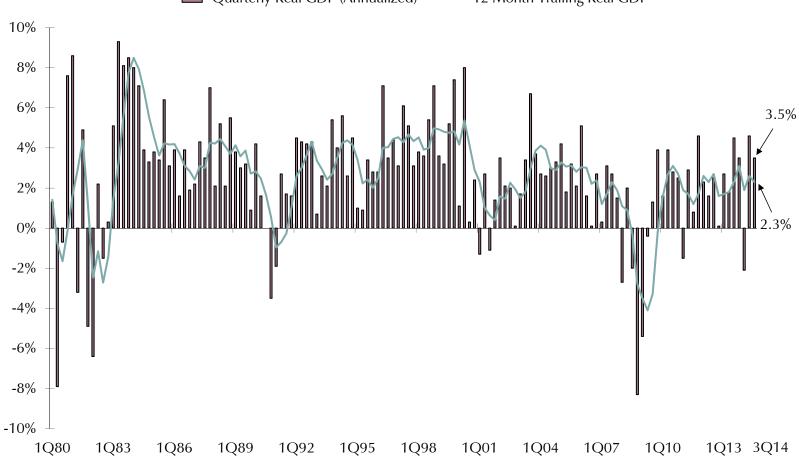
# **Credit Spreads vs. U.S. Treasury Bonds**





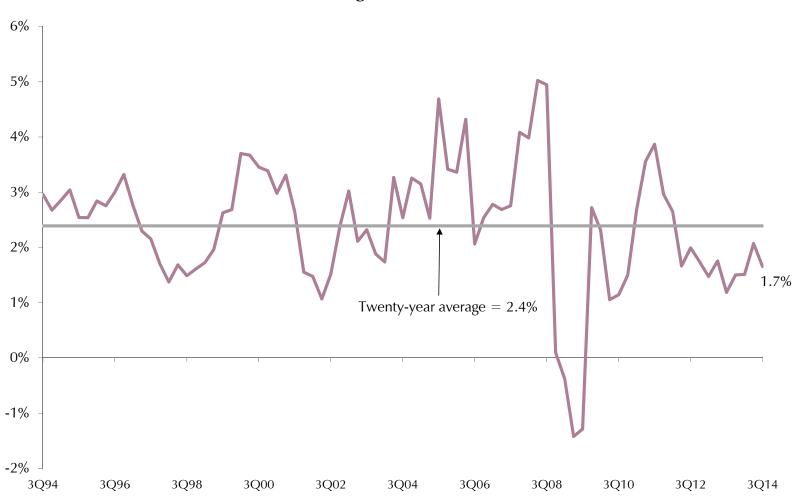
# Real Gross Domestic Product (GDP) Growth

Quarterly Real GDP (Annualized) — 12 Month Trailing Real GDP





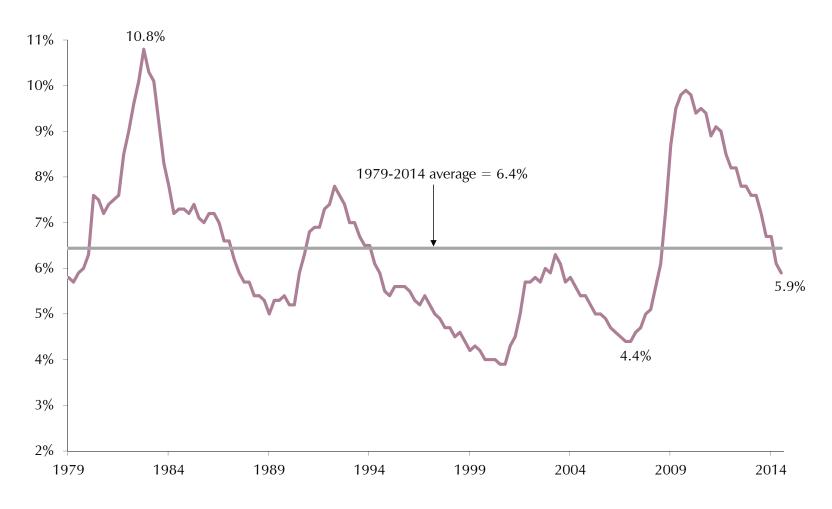
U.S. Inflation (CPI)
Trailing Twelve Months<sup>1</sup>



<sup>&</sup>lt;sup>1</sup> Data is non-seasonally adjusted CPI, which may be volatile in the short-term.



**U.S.** Unemployment





Glossary and Notes as of 9/30/14

Glossary and Notes As of September 30, 2014



# Glossary Investment Terminology

**Credit Risk:** Refers to the risk that the issuer of a fixed income security may default (i.e., the issuer will be unable to make timely principal and/or interest payments on the security.)

**Duration:** Measure of the sensitivity of the price of a bond to a change in its yield to maturity. Duration summarizes, in a single number, the characteristics that cause bond prices to change in response to a change in interest rates. For example, the price of a bond with a duration of three years will rise by approximately 3% for each 1% decrease in its yield to maturity. Conversely, the price will decrease 3% for each 1% increase in the bond's yield. Price changes for two different bonds can be compared using duration. A bond with a duration of six years will exhibit twice the percentage price change of a bond with a three-year duration. The actual calculation of a bond's duration is somewhat complicated, but the idea behind the calculation is straightforward. The first step is to measure the time interval until receipt for each cash flow (coupon and principal payments) from a bond. The second step is to compute a weighted average of these time intervals. Each time interval is measured by the present value of that cash flow. This weighted average is the duration of the bond measured in years.

**Information Ratio:** This statistic is a measure of the consistency of a portfolio's performance relative to a benchmark. It is calculated by subtracting the benchmark return from the portfolio return (excess return), and dividing the resulting excess return by the standard deviation (volatility) of this excess return. A positive information ratio indicates outperformance versus the benchmark, and the higher the information ratio, the more consistent the outperformance.

**Market Capitalization:** For a firm, market capitalization is the total market value of outstanding common stock. For a portfolio, market capitalization is the sum of the capitalization of each company weighted by the ratio of holdings in that company to total portfolio holdings; thus it is a weighted-average capitalization. Meketa Investment Group considers the largest 65% of the broad domestic equity market as large capitalization, the next 25% of the market as medium capitalization, and the smallest 10% of stocks as small capitalization.

**Market Weighted:** Stocks in many indices are weighted based on the total market capitalization of the issue. Thus, the individual returns of higher market-capitalization issues will more heavily influence an index's return than the returns of the smaller market-capitalization issues in the index.

Maturity: The date on which a loan, bond, mortgage or other debt/security becomes due and is to be paid off.

**Prepayment Risk:** The risk that prepayments will increase (homeowners will prepay all or part of their mortgage) when mortgage interest rates decline; hence, investors' monies will be returned to them in a lower interest rate environment. Also, the risk that prepayments will slow down when mortgage interest rates rise; hence, investors will not have as much money as previously anticipated in a higher interest rate environment. A prepayment is any payment in excess of the scheduled mortgage payment.

**Price-Book Value (P/B) Ratio:** The current market price of a stock divided by its book value per share. Meketa Investment Group calculates P/B as the current price divided by Compustat's quarterly common equity. Common equity includes common stock, capital surplus, retained earnings, and treasury stock adjusted for both common and nonredeemable preferred stock. Similar to high P/E stocks, stocks with high P/B's tend to be riskier investments.

**Price-Earnings (P/E) Ratio:** A stock's market price divided by its current or estimated future earnings. Lower P/E ratios often characterize stocks in low growth or mature industries, stocks in groups that have fallen out of favor, or stocks of established blue chip companies with long records of stable earnings and regular dividends. Sometimes a company that has good fundamentals may be viewed unfavorably by the market if it is an industry that is temporarily out of favor. Or a business may have experienced financial problems causing investors to be skeptical about is future. Either of these situations would result in lower relative P/E ratios. Some stocks exhibit



# Glossary Investment Terminology

above-average sales and earnings growth or expectations for above average growth. Consequently, investors are willing to pay more for these companies' earnings, which results in elevated P/E ratios. In other words, investors will pay more for shares of companies whose profits, in their opinion, are expected to increase faster than average. Because future events are in no way assured, high P/E stocks tend to be riskier and more volatile investments. Meketa Investment Group calculates P/E as the current price divided by the I/B/E/S consensus of twelve-month forecast earnings per share.

**Quality Rating:** The rank assigned a security by such rating services as Fitch, Moody's, and Standard & Poor's. The rating may be determined by such factors as (1) the likelihood of fulfillment of dividend, income, and principal payment of obligations; (2) the nature and provisions of the issue; and (3) the security's relative position in the event of liquidation of the company. Bonds assigned the top four grades (AAA, AA, A, BBB) are considered investment grade because they are eligible bank investments as determined by the controller of the currency.

**Sharpe Ratio:** A commonly used measure of risk-adjusted return. It is calculated by subtracting the risk free return (usually three-month Treasury bill) from the portfolio return and dividing the resulting excess return by the portfolio's total risk level (standard deviation). The result is a measure of return per unit of total risk taken. The higher the Sharpe ratio, the better the fund's historical risk adjusted performance.

**Standard Deviation:** A measure of the total risk of an asset or a portfolio. Standard deviation measures the dispersion of a set of numbers around a central point (e.g., the average return). If the standard deviation is small, the distribution is concentrated within a narrow range of values. For a normal distribution, about two thirds of the observations will fall within one standard deviation of the mean, and 95% of the observations will fall within two standard deviations of the mean.

**STIF Account:** Short-term investment fund at a custodian bank that invests in cash-equivalent instruments. It is generally used to safely invest the excess cash held by portfolio managers.

**Style:** The description of the type of approach and strategy utilized by an investment manager to manage funds. For example, the style for equities is determined by portfolio characteristics such as price-to-book value, price-to-earnings ratio, and dividend yield. Equity styles include growth, value, and core.

**Yield to Maturity:** The yield, or return, provided by a bond to its maturity date; determined by a mathematical process, usually requiring the use of a "basis book." For example, a 5% bond pays \$5 a year interest on each \$100 par value. To figure its current yield, divide \$5 by \$95—the market price of the bond—and you get 5.26%. Assume that the same bond is due to mature in five years. On the maturity date, the issuer is pledged to pay \$100 for the bond that can be bought now for \$95. In other words, the bond is selling at a discount of 5% below par value. To figure yield to maturity, a simple and approximate method is to divide 5% by the five years to maturity, which equals 1% pro rata yearly. Add that 1% to the 5.26% current yield, and the yield to maturity is roughly 6.26%.

Sources: <u>Investment Terminology</u>, International Foundation of Employee Benefit Plans, 1999.

The Handbook of Fixed Income Securities, Fabozzi, Frank J., 1991.



## **Notes**

The Russell Indices ®, TM, SM are trademarks/service marks of the Frank Russell Company.

Throughout this report, numbers may not sum due to rounding.

Returns for periods greater than one year are annualized throughout this report.

Values shown are in millions of dollars, unless noted otherwise.

