#### FUND EVALUATION REPORT

# San Jose Federated City Employees' Retirement System

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Quarterly Review June 30, 2013

#### **Agenda**

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- Manager Highlights
- Second Quarter Manager Summary
- 2. Plan Summary
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- 4. Portfolio Reviews
- 5. Global Macroeconomic Outlook
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Executive Summary As of June 30, 2013

#### **Aggregate Plan Overview**

The value of the San Jose Federated City Employee' Retirement System assets was \$1.875 billion on June 30, 2013, an increase of approximately \$106 million over the one-year period, which represents the 2013 fiscal year.

- Second quarter performance was -1.9% net of fees, bringing the fiscal year return to 8.0% net of fees.
- Net outflows for the second quarter were \$39 million. For the fiscal year, net outflows totaled approximately \$46 million.
- During the second quarter, the Fund underperformed the Policy Benchmark by 1.6%.
  - Portfolio allocation detracted from relative performance by approximately 65 basis points.
  - Selection effect, or the value added by managers in an asset class relative to the Policy Benchmark return for that asset class, detracted approximately 98 basis points. The negative selection effect was most pronounced in real assets and hedge funds.



#### **Aggregate Plan Overview (continued)**

- While the Retirement System's fiscal year 2013 return was above the actuarial assumed rate of return of 7.5%, the return fell in the fourth quartile of the InvestMetrics peer universe of Public Plans >\$1 Billion. The underperformance relative to other public pension funds is related to three main factors:
  - Lower allocation to Domestic Equities: Because of the strong performance of domestic equities during the fiscal year period, funds with lower than average allocations to the asset class generally had less robust returns, while funds with higher than average allocations to this asset class exceeded the norm.
  - Higher allocation to Emerging Market Equities: The Retirement System's asset allocation includes a higher-than-average allocation to emerging market stocks. Over the long-term, emerging market equities have significantly outperformed U.S. equities, and are expected to do so over long-term periods in the future. However, for fiscal year 2013, U.S. stocks outperformed emerging market stocks by approximately 19%, creating a significant short-term drag on portfolios with higher emerging market allocations. This difference was particularly acute during the two most recent quarters.
  - Higher Allocation to Inflation-Protected Assets: The Retirement System's asset allocation policy includes a 20% allocation to real assets that are designed to protect the Plan from periods of rising inflation. The Plan's allocation to these areas is somewhat higher than most other public funds. During fiscal year 2013, U.S. inflation and inflationary expectations remained low, so inflation-protected assets underperformed assets like U.S. equities, which can be expected to perform better during periods of low inflation.
- The Retirement System's asset allocation was designed by Staff and Trustees with the primary objective of maximizing the probability of achieving a 7.5% return over long periods of time, while minimizing a wide variety of risks. For fiscal year 2013, the Retirement System achieved its objective. The Trustees have chosen an asset allocation that differs from that of other public pension funds, so it can be expected to underperform or outperform peer funds over any short-term time period.
- Vontobel Emerging Markets Equity was funded at the end of the second quarter. Four new hedge funds were also funded during the quarter.



#### **Manager Highlights**

#### **Manager Highlights**

- Artisan Global Value, which manages the largest active allocation in the Fund, posted a return of 3.6% net of fees compared to 0.2% for the MSCI ACWI Value Index in the second quarter. Over the trailing one year period, Artisan returned 27.7% net of fees compared with 17.8% for the benchmark. The three largest contributors to the portfolio's return this quarter were Microsoft, Lloyds Banking Group, and TE Connectivity. The portfolio's worst performing stocks this quarter included Tesco, Diageo, and Oracle. Signet Jewelers and Wal-Mart were sold during the quarter and the proceeds were used to fund new investments in AstraZeneca and Vivendi. Since the Retirement System invested in Artisan's global value portfolio in early 2011, the strategy has outperformed the benchmark by an average of 10.6% annually, net of fees, and has ranked in the 2<sup>nd</sup> percentile of the global equity peer group.
- RS Investments Small Cap Value outperformed the Russell 2000 Value Index during the second quarter, up 5.6% net of fees compared with 2.5% for the benchmark. Stock selection in Financial Services and Producer Durables were the largest positive relative contributors during the quarter.
- Eagle Small Cap Growth slightly underperformed the Russell 2000 Growth Index during the first quarter. Eagle's return was 2.9% net of fees, compared to 3.7% for the benchmark. The underperformance can be attributed to weak performers in energy and materials.
- Credit Suisse virtually matched the custom risk parity benchmark and outperformed the Dow Jones-UBS Commodity Index (which can be used as a proxy for the broad commodities market) by 210 basis points during the second quarter. First Quadrant underperformed the risk parity benchmark by 420 basis points and the Dow Jones-UBS Commodity Index by 220 basis points.



#### **Second Quarter Manager Summary**

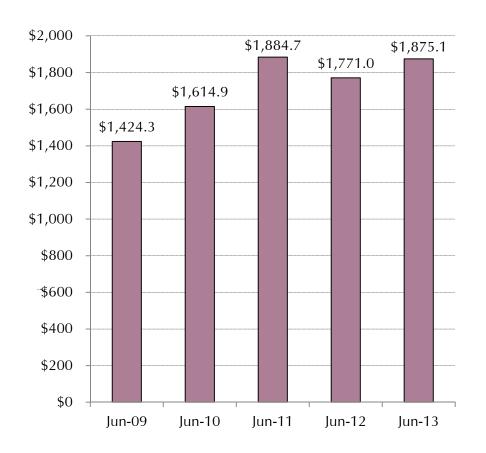
Investment Manager	Asset Class	Changes/ Announcements	Performance Concerns	Meketa Recommendation	Comments
RS Investments	U.S. Small Cap Value	Yes		Hold	Personnel changes
Artisan	Global Equity				
Eagle	U.S. Small Cap Growth				
First Quadrant	Commodities				
Credit Suisse	Commodities				
Medley	Private Debt				
White Oak	Private Debt				
GSO	Private Debt				

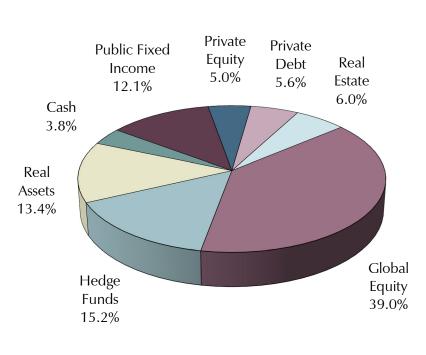
#### **RS** Investments

• As expected, Andrew Pilara Jr., transitioned to a new role as senior advisor, effective May 1, 2013. In his new position, Andy will mentor and counsel investment team members. The portfolio will continue to be managed by the team that Andy built – and transitioned responsibly to – over the last decade.



Plan Summary As of June 30, 2013





The diversification pie chart does not include the impact of the overlay.

# Aggregate Assets Asset Summary as of 6/30/13

	Market Value 6/30/13 (\$ mm)	% of Retirement System	Russell Overlay Net Position <sup>1</sup> (%)	Adopted Sub-Asset Allocation (%)	Target Allocation (%)	Target Range (%)	Market Value 3/31/13 (\$ mm)
Total Fund Aggregate	1,875.1	100.0	100.0	100	NA	NA	1,949.7
Equity and Real Estate Assets	938.4	50.0	46.3	40	45	38-52	983.2
Global Equity	731.3	39.0	35.8	26	NA	NA	782.9
Real Estate	113.4	6.0	5.8	5	NA	NA	107.7
Private Equity	93.8	5.0	4.6	9	NA	NA	92.7
Hedge Funds Assets	284.3	15.2	16.6	25	25	20-30	201.3
Real Assets	250.5	13.4	19.7	20	20	15-25	277.8
Fixed Income Assets	331.3	17.7	17.6	15	10	5-20	348.2
Public Fixed Income	226.0	12.1	12.5	10	NA	NA	231.4
Private Debt	105.3	5.6	5.2	5	NA	NA	116.8
Cash <sup>2</sup>	70.6	3.8	-0.2	0	NA	NA	139.1

<sup>&</sup>lt;sup>2</sup> Cash includes the cash account, cash equitized in the Russell Investments Overlay program, cash from private manager distributions, and residuals from the Terminated Manager Account. As of 6/30/13, Russell Investments Overlay equitized \$100.7 million in cash.



Plan Summary

<sup>&</sup>lt;sup>1</sup> Data in the column titled "Russell Overlay Net Position" is provided by Russell Investments, and is based on the data from the custodian. Russell includes transfers completed in July related to the City's Annual Required Contribution.

# Aggregate Assets Portfolio Roster as of 6/30/13

	Market Value 6/30/13 (\$ mm)	% of Asset Class	% of Retirement System	Target Allocation (%)	Target Range (%)	Market Value 3/31/13 (\$ mm)
Total Fund Aggregate	1,875.1	NA	100.0	NA	NA	1,949.7
<b>Equity and Real Estate Assets</b>	938.4	100.0	50.0	45	38-52	983.2
Global Equity <sup>1</sup>	731.3	100.0	39.0	NA	NA	782.9
Northern Trust Russell 3000 Index <sup>2</sup>	190.4	26.0	10.2			205.3
Northern Trust MSCI Emerging Markets Index <sup>2</sup>	124.8	17.1	6.7			140.7
Artisan Global Value	114.3	15.6	6.1			110.1
Vontobel Emerging Markets Equity	100.0	13.7	5.3			0.0
RS Investments Small Cap Value	61.0	8.3	3.3			57.7
Eagle Small Cap Growth	56.6	7.7	3.0			55.0
Northern Trust EAFE Small Cap <sup>2</sup>	50.7	6.9	2.7			76.4
Northern Trust MSCI EAFE Index <sup>2</sup>	33.0	4.5	1.8			33.3
Northern Trust ACWI IMI Index	0.0	0.0	0.0			103.9

<sup>&</sup>lt;sup>2</sup> Market Value based on manager reported data, less transfers that settled in July, because custodian reported NAV was not current.



<sup>&</sup>lt;sup>1</sup> Global Equity includes \$0.4 million of residuals from terminated managers or previous transitions.

# Aggregate Assets Portfolio Roster as of 6/30/13

	Market Value 6/30/13 (\$ mm)	% of Asset Class	% of Retirement System	Target Allocation (%)	Target Range (%)	Market Value 3/31/13 (\$ mm)
uity and Real Estate Assets (continued)						
Real Estate	113.4	100.0	6.0	NA	NA	107.7
Core Real Estate	60.6	53.4	3.2			57.1
PRISA I	32.7	28.8	1.7			31.7
American Core Realty Fund, LLC	27.9	24.6	1.5			25.4
Private Real Estate <sup>1</sup>	52.8	46.6	2.8			50.6
DRA Growth & Income Fund V	17.6	15.5	0.9			17.9
Fidelity Real Estate Growth Fund III, L.P.	13.3	11.7	0.7			13.0
DRA Growth & Income Fund VII	10.4	9.2	0.6			8.5
DRA Growth & Income Fund VI	9.5	8.3	0.5			9.2
GEAM Value Add Realty Partners, L.P.	2.1	1.8	0.1			2.1
Private Equity <sup>1</sup>	93.8	100.0	5.0	NA	NA	92.7
Pantheon USA Fund VII	31.5	33.6	1.7			30.7
Pathway Private Equity Fund VIII	24.9	26.6	1.3			24.8
Pantheon Global Secondary Fund III	21.4	22.8	1.1			22.5
Partners Group Secondary 2008	8.6	9.2	0.5			9.1
Partners Group Secondary 2011	4.8	5.1	0.3			3.3
Great Hill Equity Partners IV	2.6	2.7	0.1			2.3

<sup>&</sup>lt;sup>1</sup> Fair values are based on manager reported value as of 3/31/13, adjusted for cash flows through 6/30/13.



# Aggregate Assets Portfolio Roster as of 6/30/13

	Market Value 6/30/13 (\$ mm)	% of Asset Class	% of Retirement System	Target Allocation (%)	Target Range (%)	Market Value 3/31/13 (\$ mm)
Hedge Funds Assets <sup>1</sup>	284.3	100.0	15.2	25	20-30	201.3
Arrowgrass International Fund Ltd	32.2	11.3	1.7			31.6
Pine River Fund Ltd	32.1	11.3	1.7			31.9
Davidson Kempner Institutional Partners, L.P.	31.2	11.0	1.7			30.5
DE Shaw	31.2	11.0	1.7			0.0
Brevan Howard Multi-Strategy Fund Ltd	30.7	10.8	1.6			31.0
Senator Global Opportunity Offshore Fund	20.7	7.3	1.1			0.0
Global Ascent Ltd	19.9	7.0	1.1			20.4
Sandler Plus Offshore Fund Ltd	19.7	6.9	1.1			0.0
Amici Offshore, Ltd.	19.5	6.9	1.0			20.3
BlueCrest	17.1	6.0	0.9			0.0
CCP Quantitative Fund	16.5	5.8	0.9			20.0
Kepos Alpha Fund	13.5	4.8	0.7			15.4

<sup>&</sup>lt;sup>1</sup> Market value based on manager reported data because custodian reported NAV was not current.



2Q13

# Aggregate Assets Portfolio Roster as of 6/30/13

	Market Value 6/30/13 (\$ mm)	% of Asset Class	% of Retirement System	Target Allocation (%)	Target Range (%)	Market Value 3/31/13 (\$ mm)
Real Assets	250.5	100.0	13.4	20	15-25	277.8
Commodities <sup>1</sup>	170.2	67.9	9.1			187.8
CS Risk Parity Commodity Index	93.8	37.4	5.0			101.3
First Quadrant Risk Parity Commodity Index	76.4	30.5	4.1			86.5
Natural Resources	80.3	32.1	4.3			90.0
Northern Trust Global LargeMid NR	80.3	32.1	4.3			90.0
Fixed Income Assets	331.3	100.0	17.7	10	5-20	348.2
Public Fixed Income	226.0	100.0	12.1	NA	NA	231.4
Northern Trust Intermediate Gov't 1-10 Year <sup>1</sup>	113.6	50.3	6.1			115.2
Russell Investments Barclays U.S. TIPS	112.3	49.7	6.0			116.2
Private Debt <sup>2</sup>	105.3	100.0	5.6	NA	NA	116.8
White Oak Direct Lending Account	41.5	39.4	2.2			46.5
GSO Direct Lending Account	32.6	31.0	1.7			35.5
Medley Opportunity Fund II	31.1	29.6	1.7			34.7
Cash <sup>3</sup>	70.6	100.0	3.8	NA	NA	139.1
Russell Investments Overlay Equitized Cash						81.5

<sup>1</sup> Market value based on manager reported data because custodian reported NAV was not current.

Cash includes the cash account, cash equitized in the Russell Investments Overlay program, cash from private manager distributions, and residuals from the Terminated Manager Account. As of 6/30/13, Russell Investments Overlay equitized \$100.7 million in cash.



Plan Summary

<sup>&</sup>lt;sup>2</sup> Fair values are based on manager reported value as of 3/31/13, adjusted for cash flows through 6/30/13.

	2Q13 (%)	Cal YTD (%)	Fiscal YR <sup>1</sup> / 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inception (%)
Total Fund Aggregate <sup>2</sup>	-1.9	1.2	8.1	7.6	3.4	6.4	1/1/94	7.4
Net of Fees <sup>3</sup>	-1.9	1.1	8.0	7.5	3.2	6.2		7.1
Total Fund Aggregate ex Overlay	-1.8	1.0	7.2	7.6	3.4	6.4	1/1/94	7.4
Net of Fees ex Overlay	-1.8	1.0	7.1	7.4	3.2	6.2		7.1
CPI (inflation)	0.3	1.7	1.8	2.3	1.3	2.4		2.4
San Jose FCERS Policy Benchmark⁴	-0.2	3.1	8.8	9.0	4.2	6.5		7.3
San Jose FCERS Custom Benchmark⁵	-0.9	2.2	8.9	7.7	NA	NA		NA
Public Plans > \$1 Billion Universe (Median) <sup>6</sup>	0.0	5.0	12.4	11.6	5.2	7.5		NA

<sup>&</sup>lt;sup>6</sup> Universe data provided by InvestMetrics. Returns are gross of fees.



Plan Summary

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<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.

<sup>&</sup>lt;sup>2</sup> Represents performance which is gross of fees for public market managers and net of fees for private market managers.

<sup>&</sup>lt;sup>3</sup> Beginning in July 2012, fees are accounted for on a cash basis. Previously, fees were accounted for on an accrual basis.

<sup>&</sup>lt;sup>4</sup> Please see page 34 of the Plan Summary for composition of the Policy Benchmark.

<sup>&</sup>lt;sup>5</sup> Custom Benchmark consists of the individual benchmarks that comprise the Policy Benchmark weighted accordingly to actual allocations and re-adjusted monthly.

	2Q13 (%)	Cal YTD (%)	Fiscal YR <sup>1</sup> / 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inception (%)
Total Fund Aggregate								
<b>Equity and Real Estate Assets</b>	0.3	6.6	16.5	NA	NA	NA	1/1/12	14.4
Global Equity	-0.5	6.6	17.8	13.0	NA	NA	5/1/10	8.0
MSCI ACWI IMI	-0.5	6.4	17.1	12.6	2.8	8.0		7.3
Real Estate <sup>2</sup>	2.8	5.6	9.7	12.4	-3.8	6.5	1/1/94	8.2
NCREIF Property (lagged one qtr.)	2.9	5.5	10.7	13.1	2.8	8.6		9.3
Private Equity <sup>3</sup>	3.6	6.4	9.6	12.2	3.9	NA	1/1/06	4.4
Venture Economics PE Composite (lagged one qtr.)	4.9	8.8	13.2	13.9	7.0	13.4		10.4
Hedge Fund Assets	-2.3	2.0	NA	NA	NA	NA	11/1/12	3.6
HFRI Fund of Funds Composite	0.1	3.5	7.4	3.0	-0.6	3.5		5.1
Real Assets	-9.8	-13.3	-10.1	0.8	NA	NA	5/1/10	-2.2
Custom Risk Parity Benchmark <sup>4</sup>	-7.5	-11.4	-7.8	NA	NA	NA		NA
S&P Global Infrastructure Index	-2.8	2.3	8.9	11.3	0.1	NA		6.5
Dow Jones-UBS Commodity U.S. Index	-9.5	-10.5	-8.1	-0.3	-11.8	1.2		-2.5
CPI (inflation) + 5%	1.5	4.2	6.8	7.4	6.4	7.6		7.3

<sup>&</sup>lt;sup>4</sup> Risk Parity Benchmark returns provided by Credit Suisse.



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<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.

<sup>&</sup>lt;sup>2</sup> All manager returns are presented one quarter lagged with the exception of the American Core Realty Fund and PRISA, which are not lagged.

<sup>&</sup>lt;sup>3</sup> All manager returns are presented one quarter lagged.

	2Q13 (%)	Cal YTD (%)	Fiscal YR¹/ 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inception (%)
Total Fund Aggregate (continued)								
Fixed Income	-0.9	-0.2	3.6	NA	NA	NA	1/1/12	4.5
Public Fixed Income	-2.3	-2.2	0.0	4.6	6.3	5.5	1/1/94	6.2
Barclays U.S. TIPS	-7.1	-7.4	-4.8	4.6	4.4	5.2		NA
Barclays U.S. TIPS 1-5 Years	-2.8	-2.4	-0.9	2.3	2.4	NA		NA
Barclays Intermediate Gov't Bond Index	-1.4	-1.2	-0.6	2.3	3.8	3.7		5.2
Private Debt <sup>2</sup>	2.2	4.1	11.5	NA	NA	NA	12/1/10	6.8
3 Month Libor + 5%	1.3	2.6	5.4	5.4	5.8	NA		5.4
Russell Investments Overlay <sup>3</sup>	-0.1	0.2	0.8	NA	NA	NA	11/1/11	0.1



<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.

All manager returns are presented one quarter lagged.
 Overlay returns provided by Russell Investments.

# Aggregate Assets Performance as of 6/30/13

	2Q13 (%)	Cal YTD (%)	Fiscal YR¹/ 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inception (%)
juity and Real Estate Assets	0.3	6.6	16.5	NA	NA	NA	1/1/12	14.4
Global Equity	-0.5	6.6	17.8	13.0	NA	NA	5/1/10	8.0
Northern Trust Russell 3000 Index	2.7	14.1	21.6	18.7	7.4	7.9	9/1/99	4.2
Net of Fees	2.7	14.1	21.5	18.7	7.4	7.9		4.2
Russell 3000	2.7	14.1	21.5	18.6	7.2	7.8		4.1
Northern Trust MSCI Emerging Markets Index	-8.1	-9.7	2.9	3.2	NA	NA	5/1/10	-0.2
Net of Fees	-8.1	-9.7	2.8	3.1	NA	NA		-0.3
MSCI Emerging Markets	-8.1	-9.6	2.9	3.4	-0.4	13.7		0.0
Artisan Global Value	3.8	13.6	28.3	NA	NA	NA	3/1/11	14.5
Net of Fees	3.6	13.3	27.7	NA	NA	NA		13.8
MSCI ACWI Value	0.2	6.6	17.8	11.7	2.3	7.7		3.2
Peer Global Equity	1.0	8.9	20.9	14.9	4.4	9.7		6.4
Peer Ranking (percentile)	13	11	5	NA	NA	NA		2
RS Investments Small Cap Value	5.7	19.7	36.2	NA	NA	NA	8/1/10	19.2
Net of Fees	5.6	19.5	35.7	NA	NA	NA		18.4
Russell 2000 Value	2.5	14.4	24.8	17.3	8.6	9.3		15.1
Peer Small Cap Value	3.4	16.9	27.2	19.2	10.4	11.6		17.1
Peer Ranking (percentile)	7	9	6	NA	NA	NA		12

<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.



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	2Q13 (%)	Cal YTD (%)	Fiscal YR <sup>1</sup> / 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inception (%)
Equity and Real Estate Assets (continued)								
Eagle Small Cap Growth	3.0	16.9	27.7	21.2	11.6	13.3	6/1/98	7.9
Net of Fees	2.9	16.4	27.1	20.5	11.0	12.6		7.3
Russell 2000 Growth	3.7	17.4	23.7	20.0	8.9	9.6		4.8
Peer Small Cap Growth	3.5	16.7	24.6	20.9	10.2	10.9		NA
Peer Ranking (percentile)	60	43	21	43	31	2		NA
Northern Trust EAFE Small Cap	-2.3	5.8	NA	NA	NA	NA	11/1/12	11.3
Net of Fees	-2.3	5.8	NA	NA	NA	NA		11.3
MSCI EAFE Small Cap	-2.5	5.7	20.9	11.9	2.5	10.4		11.1
Northern Trust MSCI EAFE Index	-0.8	4.4	NA	NA	NA	NA	11/1/12	10.3
Net of Fees	-0.8	4.4	NA	NA	NA	NA		10.3
MSCI EAFE	-1.0	4.1	18.6	10.0	-0.6	7.7		10.0
Northern Trust ACWI IMI Index	2.7	9.8	NA	NA	NA	NA	11/1/12	14.0
Net of Fees	2.7	9.8	NA	NA	NA	NA		14.0
MSCI ACWI IMI	-0.5	6.4	17.1	12.6	2.8	8.0		10.3

<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.



	2Q13 (%)	Cal YTD (%)	Fiscal YR <sup>1</sup> / 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inception (%)
<b>Equity and Real Estate Assets (continued)</b>								
Real Estate <sup>2</sup>	2.8	5.6	9.7	12.4	-3.8	6.5	1/1/94	8.2
Core Real Estate	3.1	5.9	9.9	13.5	NA	NA	7/1/09	7.8
PRISA I	3.4	6.8	10.7	15.3	-1.4	NA	7/1/04	6.0
Net of Fees	3.1	6.3	9.7	14.2	-2.4	NA		5.0
NCREIF ODCE Equal Weighted	3.7	6.3	11.8	14.8	-0.6	6.5		6.1
American Core Realty Fund, LLC	3.4	5.9	11.4	13.7	-0.5	NA	1/1/07	2.5
Net of Fees	3.1	5.4	10.3	12.6	-1.6	NA		1.4
NCREIF ODCE Equal Weighted	3.7	6.3	11.8	14.8	-0.6	6.5		2.1

<sup>&</sup>lt;sup>2</sup> All manager returns are presented one quarter lagged with the exception of the American Core Realty Fund and PRISA, which are not lagged.



<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.

	2Q13 (%)	Cal YTD (%)	Fiscal YR¹/ 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inceptior (%)
Equity and Real Estate Assets (continued)								
Private Real Estate <sup>2, 3</sup>	2.5	5.2	9.4	11.2	NA	NA	7/1/09	-2.7
DRA Growth & Income Fund V	0.6	1.9	3.7	5.5	-3.4	NA	1/1/06	1.3
NCREIF Property (lagged one qtr.)	2.9	5.5	10.7	13.1	2.8	8.6		6.3
Fidelity Real Estate Growth Fund III, L.P.	3.3	6.7	13.6	20.2	-17.8	NA	1/1/08	-20.6
NCREIF Property (lagged one qtr.)	2.9	5.5	10.7	13.1	2.8	8.6		2.9
DRA Growth & Income Fund VII	4.3	7.0	16.6	NA	NA	NA	4/1/12	15.1
NCREIF Property (lagged one qtr.)	2.9	5.5	10.7	13.1	2.8	8.6		10.8
DRA Growth & Income Fund VI	4.3	4.2	5.1	14.6	3.2	NA	1/1/08	3.7
NCREIF Property (lagged one qtr.)	2.9	5.5	10.7	13.1	2.8	8.6		2.9
GEAM Value Add Realty Partners, L.P.	0.0	14.4	28.2	19.4	-16.6	NA	1/1/07	-13.3
NCREIF Property (lagged one qtr.)	2.9	5.5	10.7	13.1	2.8	8.6		4.8

<sup>&</sup>lt;sup>3</sup> Performance is net of fees.



<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.

<sup>&</sup>lt;sup>2</sup> Returns are time-weighted and lagged. Meketa Investment Group recommends that the Trustees use dollar-weighted (IRR) returns as shown in the quarterly Private Markets report in order to evaluate private markets managers.

	2Q13 (%)	Cal YTD (%)	Fiscal YR <sup>1</sup> / 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inception (%)
Equity and Real Estate Assets (continued)								
Private Equity <sup>2, 3</sup>	3.6	6.4	9.6	12.2	3.9	NA	1/1/06	4.4
Pantheon USA Fund VII	4.6	7.2	10.2	11.8	NA	NA	1/1/07	NA
Venture Economics PE Composite (lagged one qtr.)	4.9	8.8	13.2	13.9	7.0	13.4		9.2
Pathway Private Equity Fund VIII	5.7	9.9	10.9	15.3	NA	NA	8/1/04	NA
Venture Economics PE Composite (lagged one qtr.)	4.9	8.8	13.2	13.9	7.0	13.4		12.6
Pantheon Global Secondary Fund III	0.5	1.2	2.0	5.1	NA	NA	1/1/07	NA
Venture Economics PE Composite (lagged one qtr.)	4.9	8.8	13.2	13.9	7.0	13.4		9.2
Partners Group Secondary 2008	0.5	4.0	7.5	16.8	NA	NA	12/1/08	NA
Venture Economics PE Composite (lagged one qtr.)	4.9	8.8	13.2	13.9	7.0	13.4		7.6
Partners Group Secondary 2011	6.9	4.9	NA	NA	NA	NA	11/1/12	49.5
Venture Economics PE Composite (lagged one qtr.)	4.9	8.8	13.2	13.9	7.0	13.4		12.9
Great Hill Equity Partners IV	4.5	19.6	29.0	25.1	NA	NA	10/1/08	NA
Venture Economics PE Composite (lagged one qtr.)	4.9	8.8	13.2	13.9	7.0	13.4		7.3

<sup>&</sup>lt;sup>3</sup> Returns are time-weighted and are shown beginning in July 2009. Meketa Investment Group recommends that the Trustees use dollar-weighted (IRR) returns as shown in the quarterly Private Markets report in order to evaluate private markets managers.



<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.

<sup>&</sup>lt;sup>2</sup> All manager returns are presented one quarter lagged.

	2Q13 (%)	Cal YTD (%)	Fiscal YR¹/ 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inception (%)
Hedge Fund Assets	-2.3	2.0	NA	NA	NA	NA	11/1/12	3.6
Arrowgrass International Fund Ltd	2.0	5.4	NA	NA	NA	NA	11/1/12	7.5
HFRI Relative Value Index	-0.1	3.0	9.3	7.0	5.9	6.5		4.8
Pine River Fund Ltd	0.6	7.0	NA	NA	NA	NA	1/1/13	7.0
HFRI Relative Value Index	-0.1	3.0	9.3	7.0	5.9	6.5		3.0
Davidson Kempner Institutional Partners, L.P.	2.2	NA	NA	NA	NA	NA	2/1/13	4.0
HFRI Event Driven Index	1.6	5.4	12.2	6.6	4.5	7.5		3.0
DE Shaw	3.9	NA	NA	NA	NA	NA	4/1/13	3.9
HFRI Fund Weighted Composite Index	-0.3	3.3	8.0	4.8	2.5	6.2		-0.3
Brevan Howard Multi-Strategy Fund Ltd	-1.0	1.1	NA	NA	NA	NA	12/1/12	2.4
HFRI Macro Index	-2.1	-0.9	0.0	1.3	1.1	5.2		0.2
Senator Global Opportunity Offshore Fund	3.5	NA	NA	NA	NA	NA	4/1/13	3.5
HFRI Event Driven Index	1.6	5.4	12.2	6.6	4.5	7.5		1.6
Global Ascent Ltd	-2.8	NA	NA	NA	NA	NA	3/1/13	-0.6
HFRI Macro Systematic Diversified	-2.2	-0.9	-2.5	1.2	1.2	7.3		-1.3

<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.



	2Q13 (%)	Cal YTD (%)	Fiscal YR¹/ 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inception (%)
Hedge Funds (continued)								
Sandler Plus Offshore Fund Ltd	NA	NA	NA	NA	NA	NA	5/1/13	-1.3
HFRI Equity Hedge (Long/Short Equity)	0.1	5.1	10.7	5.3	1.6	5.6		-0.3
Amici Offshore, Ltd.	-3.6	NA	NA	NA	NA	NA	3/1/13	-1.9
HFRI Equity Hedge (Long/Short Equity)	0.1	5.1	10.7	5.3	1.6	5.6		1.3
BlueCrest	-14.7	NA	NA	NA	NA	NA	4/1/13	-14.7
Barclay BTOP50 Index	-1.4	0.5	-1.1	0.6	0.0	3.1		-1.4
CCP Quantitative Fund	-17.7	NA	NA	NA	NA	NA	4/1/13	-17.7
Barclay BTOP50 Index	-1.4	0.5	-1.1	0.6	0.0	3.1		-1.4
Kepos Alpha Fund	-12.4	NA	NA	NA	NA	NA	3/1/13	<b>-</b> 9.9
HFRI Macro Systematic Diversified	-2.2	-0.9	-2.5	1.2	1.2	7.3		-1.3

<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.



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	2Q13 (%)	Cal YTD (%)	Fiscal YR¹/ 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inceptio (%)
eal Assets	-9.8	-13.3	-10.1	8.0	NA	NA	5/1/10	-2.2
Commodities	-9.4	-13.8	-10.9	0.0	NA	NA	5/1/10	-2.1
CS Risk Parity Commodity Index <sup>2</sup>	-7.4	-11.4	-7.4	NA	NA	NA	4/1/11	-9.8
Custom Risk Parity Benchmark <sup>3</sup>	-7.5	-11.4	-7.8	NA	NA	NA		-9.9
Dow Jones-UBS Commodity U.S. Index	-9.5	-10.5	-8.1	-0.3	-11.8	1.2		-12.8
First Quadrant Risk Parity Commodity Index <sup>2</sup>	-11.7	-16.5	-15.1	NA	NA	NA	4/1/11	-14.5
Custom Risk Parity Benchmark <sup>3</sup>	-7.5	-11.4	-7.8	NA	NA	NA		-9.9
Dow Jones-UBS Commodity U.S. Index	-9.5	-10.5	-8.1	-0.3	-11.8	1.2		-12.8
Natural Resources	-10.8	-12.3	NA	NA	NA	NA	11/1/12	-11.4
Northern Trust Global LargeMid NR	-10.8	-12.8	NA	NA	NA	NA	11/1/12	-11.8
Net of Fees	-10.8	-12.8	NA	NA	NA	NA		-11.8
S&P Global LargeMid Cap Commodities and Resources	-10.8	-13.0	-5.5	5.3	-6.3	NA		-11.9

<sup>&</sup>lt;sup>3</sup> Risk Parity Benchmark returns provided by Credit Suisse.



<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.

<sup>&</sup>lt;sup>2</sup> Performance is net of fees.

	2Q13 (%)	Cal YTD (%)	Fiscal YR¹/ 1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Performance Inception Date	Since Inception (%)
ixed Income	-0.9	-0.2	3.6	NA	NA	NA	1/1/12	4.5
Public Fixed Income	-2.3	-2.2	0.0	4.6	6.3	5.5	1/1/94	6.2
Northern Trust Intermediate Gov't 1-10 Year	-1.4	-1.3	NA	NA	NA	NA	10/1/12	-1.2
Net of Fees	-1.4	-1.3	NA	NA	NA	NA		-1.2
Barclays Intermediate Gov't Bond Index	-1.4	-1.2	-0.6	2.3	3.8	3.7		-1.2
Russell Investments Barclays U.S. TIPS	-3.3	-3.1	-1.4	4.4	NA	NA	5/1/10	4.6
Net of Fees	-3.3	-3.1	-1.4	4.3	NA	NA		4.5
TIPS Blended Benchmark <sup>2</sup>	-4.9	-4.9	-2.8	4.2	NA	NA		4.4
Barclays U.S. TIPS	-7.1	-7.4	-4.8	4.6	4.4	5.2		4.9
Barclays U.S. TIPS 1-5 Years	-2.8	-2.4	-0.9	2.3	2.4	NA		2.2
Private Debt <sup>3</sup>	2.2	4.1	11.5	NA	NA	NA	12/1/10	6.8
White Oak Direct Lending Account	2.3	3.9	15.0	NA	NA	NA	2/1/11	3.8
3 Month Libor + 5%	1.3	2.6	5.4	5.4	5.8	NA		5.4
GSO Direct Lending Account	1.9	4.0	14.0	NA	NA	NA	3/1/11	18.3
3 Month Libor + 5%	1.3	2.6	5.4	5.4	5.8	NA		5.4
Medley Opportunity Fund II	1.9	3.8	9.7	NA	NA	NA	6/1/11	6.9
3 Month Libor + 5%	1.3	2.6	5.4	5.4	5.8	NA		5.4

<sup>&</sup>lt;sup>1</sup> Fiscal Year ends June 30.

<sup>&</sup>lt;sup>3</sup> All manager returns are presented one quarter lagged.



<sup>&</sup>lt;sup>2</sup> The TIPS Blended Benchmark consists of 50% Barclays U.S. TIPS & 50% Barclays U.S. TIPS 1-5 years. Prior to January 1, 2012, it was comprised of 100% Russell Investments Barclays U.S. TIPS.

### Aggregate Assets Calendar Year Performance

	2012 (%)	2011 (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	2003 (%)
Total Fund Aggregate <sup>1</sup>	9.7	-1.5	13.0	19.4	-23.8	8.8	13.0	6.7	11.4	24.4
Net of Fees <sup>1</sup>	9.6	-1.6	12.8	19.1	-24.0	8.5	12.7	6.4	11.1	24.0
Total Fund Aggregate ex Overlay <sup>1</sup>	9.7	-1.4	13.0	19.4	-23.8	8.8	13.0	6.7	11.4	24.4
Net of Fees ex Overlay	9.6	-1.6	12.8	19.1	-24.0	8.5	12.7	6.4	11.1	24.0
CPI (inflation)	1.7	3.0	1.5	2.7	0.1	4.1	2.5	3.4	3.3	1.9
San Jose FCERS Policy Benchmark <sup>2</sup>	9.4	-1.7	14.4	19.0	-22.8	8.2	13.5	6.7	10.8	20.6
San Jose FCERS Custom Benchmark <sup>3</sup>	10.2	-2.6	NA							
Public Plans > \$1 Billion Universe (Median)⁴	13.4	0.7	12.5	19.4	-24.2	7.9	NA	NA	NA	NA

<sup>&</sup>lt;sup>4</sup> Universe data provided by InvestMetrics.



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<sup>&</sup>lt;sup>1</sup> Represents performance which is gross of fees for public market managers and net of fees for private market managers.

<sup>&</sup>lt;sup>2</sup> Please see page 34 of the Plan Summary for composition of the Policy 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.

### Aggregate Assets Calendar Year Performance

	2012 (%)	2011 (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	2003 (%)
Total Fund Aggregate										
<b>Equity and Real Estate Assets</b>	14.8	NA								
Global Equity	16.0	-6.9	NA							
MSCI ACWI IMI	16.4	-7.9	14.3	36.4	-42.3	11.2	20.9	11.5	16.4	35.5
Real Estate <sup>1</sup>	8.9	14.9	7.7	-37.7	-5.4	23.4	13.2	22.9	10.3	28.7
NCREIF Property (lagged one qtr.)	10.5	14.3	13.1	-16.9	-6.5	15.8	16.6	20.1	14.5	9.0
Private Equity <sup>2</sup>	9.5	15.6	10.9	-13.5	-4.0	15.5	-3.5	NA	NA	NA
Venture Economics PE Composite (lagged one qtr.)	14.5	12.0	15.7	-6.6	-7.1	26.6	18.6	30.4	15.9	7.3
Hedge Funds	NA									
HFRI Fund of Funds Composite	4.8	-5.7	5.7	11.5	-21.4	10.3	10.4	7.5	6.9	11.6
Real Assets	0.2	-6.5	NA							
Custom Risk Parity Benchmark <sup>3</sup>	1.3	NA								
S&P Global Infrastructure Index	11.1	-0.4	5.8	25.3	-39.0	23.2	NA	NA	NA	NA
Dow Jones-UBS Commodity U.S. Index	-1.1	-13.4	16.7	18.7	-36.6	11.1	-2.7	21.4	9.1	23.9
CPI (inflation) + 5%	6.8	8.1	6.6	7.8	5.1	9.3	7.7	8.7	8.5	7.1

<sup>&</sup>lt;sup>3</sup> Risk Parity Benchmark returns provided by Credit Suisse.



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<sup>&</sup>lt;sup>1</sup> All manager returns are presented one quarter lagged with the exception of the American Core Realty Fund and PRISA, which are not lagged.

<sup>&</sup>lt;sup>2</sup> Returns are time-weighted and lagged. Meketa Investment Group recommends that the Trustees use dollar-weighted (IRR) returns as shown in the quarterly Private Markets report in order to evaluate private markets managers.

	2012 (%)	2011 (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	2003 (%)
Total Fund Aggregate (continued)										
Fixed Income	7.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Public Fixed Income	5.4	8.7	7.2	15.9	<b>-1</b> .3	6.7	5.8	0.8	6.3	9.0
Barclays U.S. TIPS	7.0	13.6	6.3	11.4	-2.4	11.6	0.4	2.8	8.5	8.4
Barclays U.S. TIPS 1-5 Years	2.7	4.9	3.9	11.5	-2.5	10.3	2.4	1.6	NA	NA
Barclays Intermediate Gov't Bond Index	1.7	6.1	5.0	-0.3	10.4	8.5	3.8	1.7	2.3	2.3
Private Debt <sup>1</sup>	10.8	2.8	NA	NA	NA	NA	NA	NA	NA	NA
3 Month Libor + 5%	5.5	5.4	5.3	5.9	8.7	10.7	10.5	8.6	NA	NA

Returns are time-weighted and lagged. Meketa Investment Group recommends that the Trustees use dollar-weighted (IRR) returns as shown in the quarterly Private Markets report in order to evaluate private markets managers.



	2012 (%)	2011 (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	2003 (%)
Equity and Real Estate Assets	14.8	NA								
Global Equity	16.0	-6.9	NA							
Northern Trust Russell 3000 Index	16.5	1.1	17.2	28.9	-37.3	5.3	15.8	6.2	12.0	31.2
Net of Fees	16.5	1.1	17.2	28.9	-37.3	5.2	15.8	6.2	12.0	31.1
Russell 3000	16.4	1.0	16.9	28.3	-37.3	5.1	15.7	6.1	11.9	31.1
Northern Trust MSCI Emerging Markets Index	18.3	-18.7	NA							
Net of Fees	18.2	-18.8	NA							
MSCI Emerging Markets	18.2	-18.4	18.9	78.5	-53.3	39.4	32.2	34.0	25.6	55.8
Artisan Global Value	20.8	NA								
Net of Fees	20.2	NA								
MSCI ACWI Value	15.6	-7.3	10.2	31.7	-41.5	6.7	25.6	10.8	19.1	39.0
RS Investments Small Cap Value	21.6	-7.1	NA							
Net of Fees	20.9	-7.9	NA							
Russell 2000 Value	18.1	-5.5	24.5	20.6	-28.9	-9.8	23.5	4.7	22.2	46.0
Eagle Small Cap Growth	17.7	-2.3	34.4	40.3	-35.8	12.7	21.4	4.2	20.8	44.7
Net of Fees	17.3	-2.9	33.7	39.5	-36.1	12.0	20.7	3.6	20.0	43.8
Russell 2000 Growth	14.6	-2.9	29.1	34.5	-38.5	7.0	13.3	4.2	14.3	48.5



	2012 (%)	2011 (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	2003 (%)
Equity and Real Estate Assets (continued)										
Northern Trust EAFE Small Cap	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Net of Fees	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MSCI EAFE Small Cap	20.0	-15.9	22.0	46.8	-47.0	1.4	19.3	26.2	30.8	61.3
Northern Trust MSCI EAFE Index	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Net of Fees	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MSCI EAFE	17.3	-12.1	7.7	31.8	-43.4	11.2	26.3	13.5	20.2	38.6
Real Estate <sup>1</sup>	8.9	14.9	7.7	-37.7	-5.4	23.4	13.2	22.9	10.3	28.7
Core Real Estate	9.3	16.3	14.2	NA	NA	NA	NA	NA	NA	NA
PRISA I	9.7	19.1	18.4	-34.2	<b>-</b> 13.0	17.5	16.2	23.3	NA	NA
Net of Fees	8.7	17.9	17.0	<b>-</b> 34.9	-13.7	16.5	15.1	22.1	NA	NA
NCREIF ODCE Equal Weighted	11.0	16.0	16.1	-30.7	-10.4	16.1	16.1	20.2	12.6	9.1
American Core Realty Fund, LLC	11.3	15.1	11.2	-30.0	-5.3	17.3	NA	NA	NA	NA
Net of Fees	10.2	13.8	10.1	-30.7	-6.3	16.2	NA	NA	NA	NA
NCREIF ODCE Equal Weighted	11.0	16.0	16.1	-30.7	-10.4	16.1	16.1	20.2	12.6	9.1

<sup>&</sup>lt;sup>1</sup> All manager returns are presented one quarter lagged with the exception of the American Core Realty Fund and PRISA, which are not lagged.



# Aggregate Assets Calendar Year Performance

	2012 (%)	2011 (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	2003 (%)
<b>Equity and Real Estate Assets (continued)</b>										
Private Real Estate	8.6	13.7	1.8	NA						
DRA Growth & Income Fund V <sup>1</sup>	4.8	7.2	-1.0	-24.3	2.8	18.7	5.3	NA	NA	NA
NCREIF Property (lagged one qtr.)	10.5	14.3	13.1	-16.9	-6.5	15.8	16.6	20.1	14.5	9.0
Fidelity Real Estate Growth Fund III, L.P. <sup>1</sup>	14.7	9.6	38.3	-77.5	-32.6	NA	NA	NA	NA	NA
NCREIF Property (lagged one qtr.)	10.5	14.3	13.1	-16.9	-6.5	15.8	16.6	20.1	14.5	9.0
DRA Growth & Income Fund VII	NA									
NCREIF Property (lagged one qtr.)	10.5	14.3	13.1	-16.9	-6.5	15.8	16.6	20.1	14.5	9.0
DRA Growth & Income Fund VI <sup>1</sup>	3.2	29.8	-0.1	-19.8	9.0	NA	NA	NA	NA	NA
NCREIF Property (lagged one qtr.)	10.5	14.3	13.1	-16.9	-6.5	15.8	16.6	20.1	14.5	9.0
GEAM Value Add Realty Partners, L.P.	15.2	10.6	5.0	-66.3	-22.2	-1.6	NA	NA	NA	NA
NCREIF Property (lagged one qtr.)	10.5	14.3	13.1	-16.9	-6.5	15.8	16.6	20.1	14.5	9.0

<sup>&</sup>lt;sup>1</sup> Performance is net of fees.



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	2012 (%)	<b>2011</b> (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	<b>2003</b> (%)
<b>Equity and Real Estate Assets (continued)</b>										
Private Equity <sup>1</sup>	9.5	15.6	10.9	-13.5	-4.0	15.5	-3.5	NA	NA	NA
Pantheon USA Fund VII	11.1	14.5	7.1	NA						
Venture Economics PE Composite (lagged one qtr.)	14.5	12.0	15.7	-6.6	-7.1	26.6	18.6	30.4	15.9	7.3
Pathway Private Equity Fund VIII	12.0	15.8	16.8	NA						
Venture Economics PE Composite (lagged one qtr.)	14.5	12.0	15.7	-6.6	-7.1	26.6	18.6	30.4	15.9	7.3
Pantheon Global Secondary Fund III	0.9	11.6	5.4	NA						
Venture Economics PE Composite (lagged one qtr.)	14.5	12.0	15.7	-6.6	-7.1	26.6	18.6	30.4	15.9	7.3
Partners Group Secondary 2008	6.0	24.5	20.1	NA						
Venture Economics PE Composite (lagged one qtr.)	14.5	12.0	15.7	-6.6	-7.1	26.6	18.6	30.4	15.9	7.3
Partners Group Secondary 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Venture Economics PE Composite (lagged one qtr.)	14.5	12.0	15.7	-6.6	-7.1	26.6	18.6	30.4	15.9	7.3
Great Hill Equity Partners IV	17.8	43.3	7.4	NA						
Venture Economics PE Composite (lagged one qtr.)	14.5	12.0	15.7	-6.6	-7.1	26.6	18.6	30.4	15.9	7.3

Returns are time-weighted. Meketa Investment Group recommends that the Trustees use dollar-weighted (IRR) returns as shown in the quarterly Private Markets report in order to evaluate private markets managers.



	2012 (%)	2011 (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	2003 (%)
ledge Funds										
Arrowgrass International Fund Ltd	NA									
HFRI Relative Value Index	10.6	0.2	11.4	25.8	-18.0	8.9	12.3	6.0	5.6	9.7
Pine River Fund Ltd	NA									
HFRI Relative Value Index	10.6	0.2	11.4	25.8	-18.0	8.9	12.3	6.0	5.6	9.7
Davidson Kempner Institutional Partners, L.P.	NA									
HFRI Event Driven Index	8.9	-3.3	11.9	25.1	-21.8	6.6	15.3	7.3	15.0	25.3
DE Shaw	NA									
HFRI Fund Weighted Composite Index	6.4	-5.2	10.2	20.0	-19.0	10.0	12.9	9.3	9.0	19.6
Brevan Howard Multi-Strategy Fund Ltd	NA									
HFRI Macro Index	-0.1	-4.1	8.1	4.3	4.8	11.1	8.2	6.8	4.6	21.4
Senator Global Opportunity Offshore Fund	NA									
HFRI Event Driven Index	8.9	-3.3	11.9	25.1	-21.8	6.6	15.3	7.3	15.0	25.3
Global Ascent Ltd	NA									
HFRI Macro Systematic Diversified	-2.5	-3.5	9.8	-1.7	18.1	10.4	16.9	14.4	6.4	15.4
Sandler Plus Offshore Fund Ltd	NA									
HFRI Equity Hedge (Long/Short Equity)	7.4	-8.4	10.5	24.6	-26.6	10.5	11.7	10.6	7.7	20.5



	2012 (%)	2011 (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	2003 (%)
Hedge Funds (continued)										
Amici Offshore, Ltd.	NA									
HFRI Equity Hedge (Long/Short Equity)	7.4	-8.4	10.5	24.6	-26.6	10.5	11.7	10.6	7.7	20.5
BlueCrest	NA									
Barclay BTOP50 Index	-1.8	-4.2	6.4	-4.8	13.6	7.6	5.6	2.8	0.9	15.5
CCP Quantitative Fund	NA									
Barclay BTOP50 Index	-1.8	-4.2	6.4	-4.8	13.6	7.6	5.6	2.8	0.9	15.5
Kepos Alpha Fund	NA									
HFRI Macro Systematic Diversified	-2.5	-3.5	9.8	-1.7	18.1	10.4	16.9	14.4	6.4	15.4
Real Assets	0.2	-6.5	NA							
Commodities	-1.3	-9.0	NA							
Credit Suisse Compound Risk Parity Commodity Index <sup>1</sup>	1.6	NA								
Custom Risk Parity Benchmark <sup>2</sup>	1.3	NA								
Dow Jones-UBS Commodity U.S. Index	-1.1	-13.4	16.7	18.7	-36.6	11.1	-2.7	21.4	9.1	23.9
First Quadrant Risk Parity Commodity Index <sup>1</sup>	-4.7	NA								
Custom Risk Parity Benchmark <sup>2</sup>	1.3	NA								
Dow Jones-UBS Commodity U.S. Index	-1.1	-13.4	16.7	18.7	-36.6	11.1	-2.7	21.4	9.1	23.9

<sup>&</sup>lt;sup>1</sup> Performance is net of fees.

<sup>&</sup>lt;sup>2</sup> Risk Parity Benchmark returns provided by Credit Suisse.



	2012 (%)	2011 (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	2003 (%)
Real Assets (continued)										
Natural Resources	NA									
Northern Trust Global LargeMid NR	NA									
Net of Fees	NA									
S&P Global LargeMid Cap Commodities and Resources	7.1	-12.9	19.5	57.8	-46.1	59.3	30.5	29.1	NA	NA
Fixed Income	7.1	NA								
Public Fixed Income	5.4	8.7	7.2	15.9	-1.3	6.7	5.8	8.0	6.3	9.0
Northern Trust Intermediate Gov't 1-10 Year	NA									
Net of Fees	NA									
Barclays Intermediate Gov't Bond Index	1.7	6.1	5.0	-0.3	10.4	8.5	3.8	1.7	2.3	2.3
Russell Investments Barclays U.S. TIPS	3.4	11.2	NA							
Net of Fees	3.4	11.2	NA							
TIPS Blended Benchmark <sup>1</sup>	4.8	11.2	NA							
Barclays U.S. TIPS	7.0	13.6	6.3	11.4	-2.4	11.6	0.4	2.8	8.5	8.4
Barclays U.S. TIPS 1-5 Years	2.7	4.9	3.9	11.5	-2.5	10.3	2.4	1.6	NA	NA

<sup>&</sup>lt;sup>1</sup> The TIPS Blended Benchmark Consists of 50% Barclays U.S. TIPS & 50% Barclays U.S. TIPS 1-5 years. Prior to January 1, 2012, it was comprised of 100% Russell Investments Barclays U.S. TIPS.



## Aggregate Assets Calendar Year Performance

	2012 (%)	2011 (%)	2010 (%)	2009 (%)	2008 (%)	2007 (%)	2006 (%)	2005 (%)	2004 (%)	2003 (%)
Fixed Income (continued)										
Private Debt <sup>1</sup>	10.8	2.8	NA							
White Oak Direct Lending Account	2.7	NA								
3 Month Libor + 5%	5.5	5.4	5.3	5.9	8.7	10.7	10.5	8.6	NA	NA
GSO Direct Lending Account	16.2	NA								
3 Month Libor + 5%	5.5	5.4	5.3	5.9	8.7	10.7	10.5	8.6	NA	NA
Medley Opportunity Fund II	11.0	NA								
3 Month Libor + 5%	5.5	5.4	5.3	5.9	8.7	10.7	10.5	8.6	NA	NA

Returns are time-weighted and lagged. Meketa Investment Group recommends that the Trustees use dollar-weighted (IRR) returns as shown in the quarterly Private Markets report in order to evaluate private markets managers.

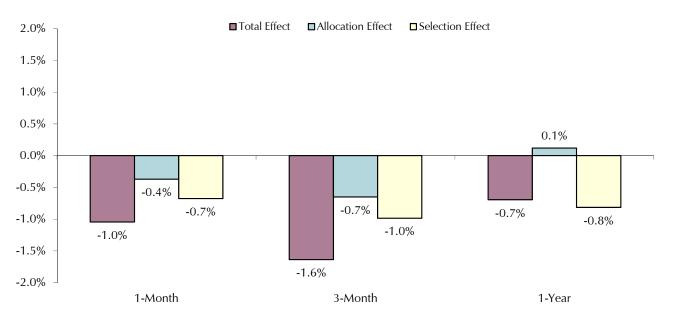


Plan Summary 29

## Aggregate Assets Performance as of 6/30/13

### **Performance Attribution: Total Fund vs. Policy Benchmark**

as of 6/30/13



Total Effect: The total effect is the difference between the performance of the total fund and the return for the policy benchmark. The total effect is calculated by adding the allocation effect and the selection effect.

**Allocation Effect:** The allocation effect measures the impact of over- and under-weighting the fund allocations compared to the target allocations. The allocation effect is calculated by subtracting the Policy Benchmark return from the Custom Benchmark return.

**Selection Effect:** The selection effect measures the contribution of active management. For this analysis, the interaction effect, which measures the combined impact of selection and allocation, is included in the selection effect. Therefore, the selection effect is calculated by subtracting the Custom Benchmark return from the Total Fund return.



## Aggregate Assets Performance as of 6/30/13

## Performance Attribution (Total Fund): Asset Class vs. Policy Benchmark as of 6/30/13

2Q13 Fiscal Year (1-Year)



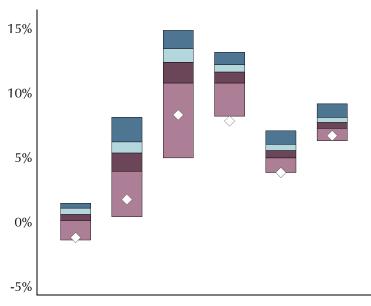
**Allocation Effect:** The allocation effect measures the impact of over- and under-weighting the fund allocations compared to the target allocations at the Total Fund level. The allocation effect is calculated by subtracting the asset class benchmark return from the asset class custom benchmark return.

**Selection Effect:** The selection effect measures the contribution of active management at the Total Fund level. For this analysis, the interaction effect, which measures the combined impact of selection and allocation, is included in the selection effect. Therefore, the selection effect is calculated by subtracting the asset class custom benchmark return from the asset class contribution to the Total Fund return.



## Aggregate Assets Universe Comparison as of 6/30/13

### Total Fund Aggregate vs. Public Plans > \$1 Billion Universe<sup>1</sup>



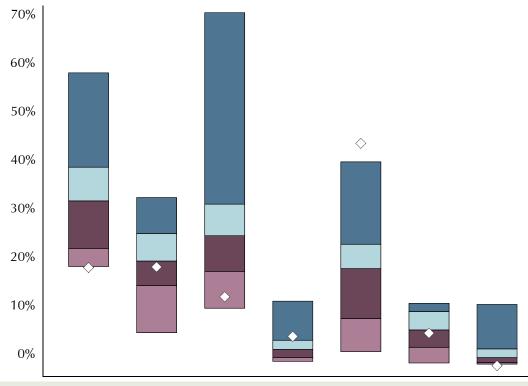
	2Q13 (%)	YTD (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
<b>Total Fund Aggregate (Gross of Fees)</b> <sup>1</sup>	-1.9	1.2	8.1	7.6	3.4	6.4
25th percentile	0.5	5.9	13.5	12.2	5.7	7.9
Median	0.0	5.0	12.4	11.6	5.2	7.5
75 Percentile	-0.5	3.5	10.7	10.7	4.6	7.0

<sup>&</sup>lt;sup>1</sup> Universe data provided by InvestMetrics. Returns are gross of fees.



## Aggregate Assets Universe Comparison as of 6/30/13

### Peer Asset Allocation Comparison vs. Public Plans > \$1 Billion Universe<sup>1,2</sup>



	US Equity	Intl. Equity	US Fixed Income	Intl. Fixed Income	Alternative Inv.	Real Estate	Cash
San Jose Allocation (Russell Overlay Net Position)	17.9	18.0	12.5	5.2	40.8	5.8	-0.2
1 <sup>st</sup> Quartile	36.4	24.2	29.6	4.5	22.2	9.8	2.9
Median	30.2	19.1	23.8	2.8	17.7	6.4	1.3
3 <sup>rd</sup> Quartile	21.4	14.6	17.2	1.3	8.5	3.2	0.4
Population	39	38	42	22	28	26	21

<sup>&</sup>lt;sup>1</sup> Universe data provided by InvestMetrics.

<sup>&</sup>lt;sup>2</sup> Based on Russell Investments overlay net positions as of 6/30/13.



## Policy Benchmark Description as of 6/30/13

Time Period		Composition
1/1/2012-Present	31%	MSCI ACWI IMI
	9	Venture Economics Private Equity
	5	NCREIF Property
	2.5	Barclays Intermediate Government
	1.25	Barclays U.S. TIPS
	1.25	Barclays U.S. TIPS 1-5 Years
	5	3-Month LIBOR + 5%
	10	Risk Parity Commodities
	10	CPI-U + 5%
	25	HFRI Fund of Funds Composite
4/1/2011-12/31/2011	16%	MSCI ACWI
	9	MSCI ACWI Value
	5	MSCI Emerging Markets
	5	MSCI EAFE Small Cap
	3	MSCI EAFE Growth
	3	Russell 3000
	2.5	Russell 2000 Growth
	2.5	Russell 2000 Value
	7.5	Russell Investments Barclays U.S. TIPS
	5	Barclays Intermediate Government
	2.5	Barclays Long U.S. Credit
	2.5	Merrill Lynch High Yield BB/B
	2.5	CSFB Leveraged Loan
	3	ML 300 Global Convertibles
	5	HFRI Weighted Composite
	5	NCREIF Property
	6	Venture Economics Private Equity
	8	Custom Risk Parity Benchmark
	2	S&P Global Infrastructure
	5	3-Month LIBOR + 5%

Time Period		Composition
4/1/2010-3/31/2011	16%	MSCI ACWI
	9	MSCI ACWI Value
	5	MSCI Emerging Markets
	5	MSCI EAFE Small Cap
	3	MSCI EAFE Growth
	3	Russell 3000
	2.5	Russell 2000 Growth
	2.5	Russell 2000 Value
	7.5	Russell Investments Barclays U.S. TIPS
	5	Barclays Intermediate Government
	2.5	Barclays Long U.S. Credit
	2.5	Merrill Lynch High Yield BB/B
	2.5	CSFB Leveraged Loan
	3	ML 300 Global Convertibles
	5	HFRI Weighted Composite
	5	NCREIF Property
	6	Venture Economics Private Equity
	8	Dow-Jones UBS Commodities
	2	S&P Global Infrastructure
	5	3-Month LIBOR + 5%
7/1/09 – 3/31/2010	34%	Russell 1000
	9	Russell 2000
	29	Barclays Aggregate
	7	S&P Citigroup WGBI
	15	MSCI ACWI ex U.S.
	6	NCREIF Property



## **Plan Detail**

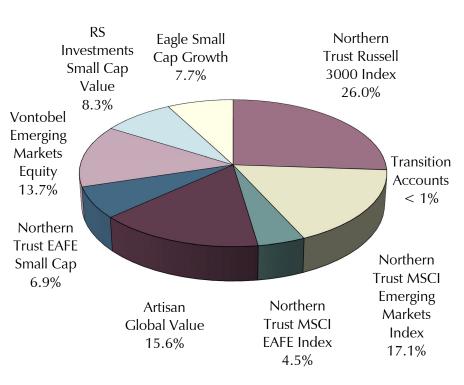
## Global Equity Assets as of 6/30/13

Global Equity Assets As of June 30, 2013



## Global Equity Assets as of 6/30/13



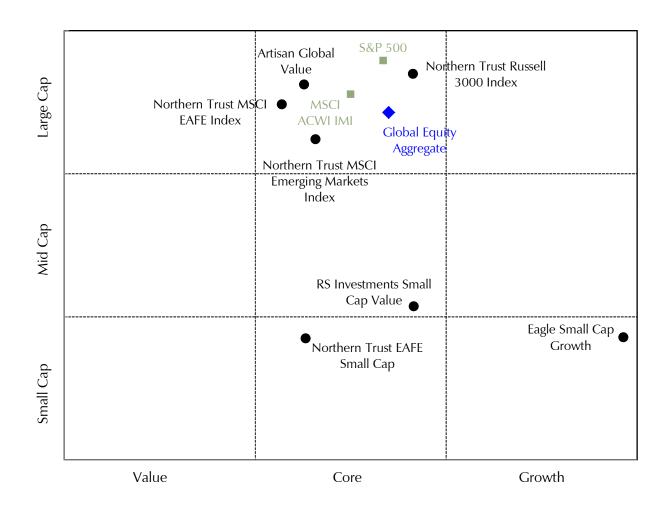




## Global Equity Assets Risk as of 6/30/13

Risk: (thirty-eight months)	Aggregate Global Equity 6/30/13	MSCI ACWI IMI 6/30/13
Annualized Return (%)	8.0	7.3
Standard Deviation (%)	17.3	18.4
Best Monthly Return (%)	10.5	10.8
Worst Monthly Return (%)	-9.4	-9.8
Beta	0.93	1.00
Correlation (R <sup>2</sup> ) to Index	0.99	1.00
Correlation to Total Fund Return	0.98	NA
Sharpe Measure (risk-adjusted return)	0.46	0.39
Information Ratio	0.32	NA







## Global Equity Assets Characteristics as of 6/30/13

Capitalization Structure:	Aggregate Global Equity 6/30/13	MSCI ACWI IMI 6/30/13	Aggregate Global Equity 3/31/13
Weighted Average Market Cap. (US\$ billion)	48.4	63.1	49.6
Median Market Cap. (US\$ billion)	1.7	1.2	1.1
Large (% over US\$10 billion)	56	72	57
Medium (% US\$2 billion to US\$10 billion)	28	20	27
Small (% under US\$2 billion)	16	8	16
Fundamental Structure:			
Price-Earnings Ratio	22	21	22
Price-Book Value Ratio	3.6	3.5	3.6
Dividend Yield (%)	2.2	2.6	2.2
Historical Earnings Growth Rate (%)	10	9	9
Projected Earnings Growth Rate (%)	12	11	12



## Global Equity Assets Diversification as of 6/30/13

Diversification:	Aggregate Global Equity 6/30/13	MSCI ACWI IMI 6/30/13	Aggregate Global Equity 3/31/13
Number of Holdings	6,570	8,446	8,789
% in 5 largest holdings	5	4	4
% in 10 largest holdings	8	7	7

Largest Five Holdings:	% of Portfolio	<b>Economic Sector</b>
Microsoft	1.1	Software & Services
Google	1.1	Software & Services
Johnson & Johnson	1.0	Pharmaceuticals & Biotech.
Oracle	0.8	Software & Services
TE Connectivity	0.8	Technology Equipment



## Global Equity Assets Sector Allocation as of 6/30/13

Sector Allocation (%):	Aggregate Global Equity 6/30/13	MSCI ACWI IMI 6/30/13	Aggregate Global Equity 3/31/13
Information Technology	18	12	16
Financials	22	22	22
Industrials	11	11	11
Consumer Discretionary	12	12	12
Health Care	10	10	9
Utilities	3	3	3
Materials	6	6	6
Telecommunication Services	3	4	3
Consumer Staples	8	10	9
Energy	8	9	9



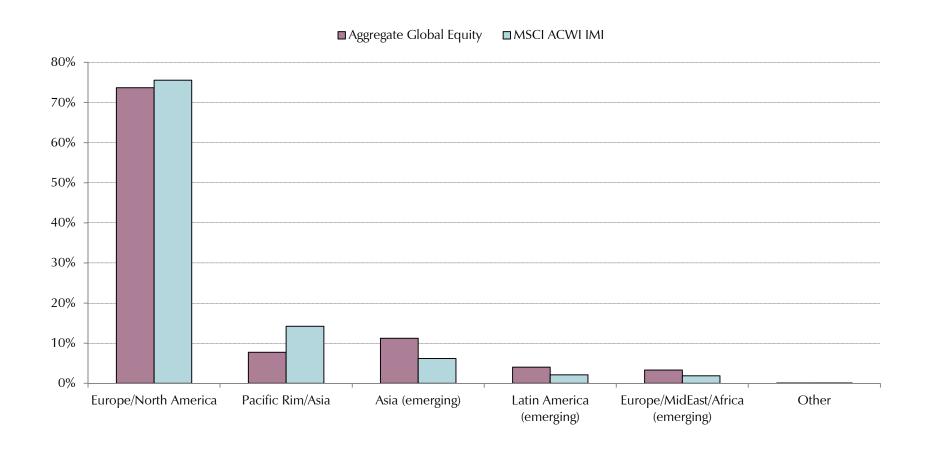
## Global Equity Assets Country & Region Breakdown as of 6/30/13

	Aggregate Global Equity 6/30/13 (%)	MSCI ACWI IMI 6/30/13 (%)
Europe/North America	73.7	75.6
United States	59.2	49.2
Switzerland	1.7	3.0
United Kingdom	5.8	7.5
Germany	1.2	3.0
France	1.0	3.0
Canada	1.0	3.8
Pacific Rim/Asia	7.7	14.2
Hong Kong	2.1	2.1
Australia	1.0	2.8
Japan	4.1	8.3
Asia (emerging)	11.2	6.2
South Korea	3.3	1.7
China	2.0	1.0
Taiwan	2.4	1.4
India	1.4	0.7

	Aggregate Global Equity 6/30/13 (%)	MSCI ACWI IMI 6/30/13 (%)
Latin America (emerging)	4.0	2.1
Brazil	2.3	1.2
Mexico	1.1	0.6
Europe/MidEast/Africa (emerging)	3.3	1.9
South Africa	1.4	0.8
Russia	1.0	0.6
Other	0.0	0.1



## Global Equity Assets Region Breakdown as of 6/30/13



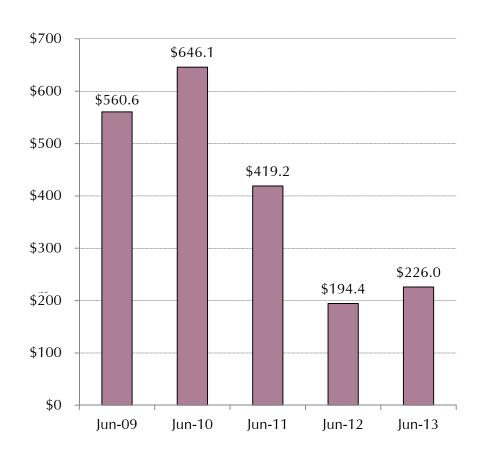


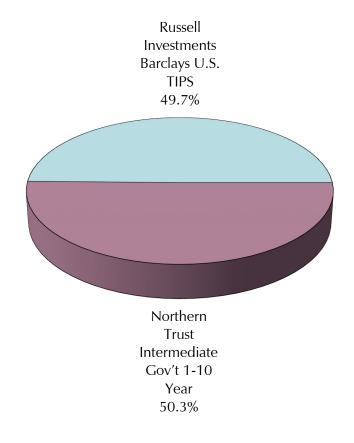
## Fixed Income Assets as of 6/30/13

Fixed Income Assets As of June 30, 2013



## Fixed Income Assets as of 6/30/13







## Fixed Income Assets Risk as of 6/30/13

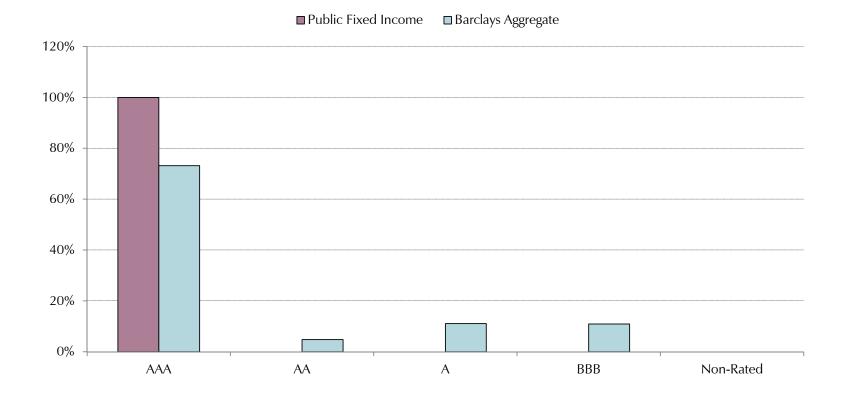
Risk: (sixty months)	Aggregate Fixed Income 6/30/13	Barclays Aggregate 6/30/13
Annualized Return (%)	6.3	5.2
Standard Deviation (%)	5.0	3.9
Best Monthly Return (%)	4.8	3.7
Worst Monthly Return (%)	-3.8	-2.4
Beta	1.01	1.00
Correlation (R <sup>2</sup> ) to Index	0.79	1.00
Correlation to Total Fund Return	0.63	NA
Sharpe Measure (risk-adjusted return)	1.22	1.26
Information Ratio	0.39	NA



2Q13

### **Fixed Income Assets** Characteristics as of 6/30/13

	Aggregate		Aggregate	
Duration & Yield:	Fixed Income 6/30/13	Barclays Aggregate 6/30/13	Fixed Income 3/31/13	
Average Effective Duration (years)	3.5	5.5	3.8	
Yield to Maturity (%)	1.0	2.4	0.6	





## Fixed Income Assets Diversification as of 6/30/13

Market Allocation (%):	Aggregate Fixed Income 6/30/13	Barclays Aggregate 6/30/13	Aggregate Fixed Income 3/31/13
United States	100	91	100
Foreign (developed markets)	0	5	0
Foreign (emerging markets)	0	4	0
Currency Allocation (%):			
Non-U.S. Dollar Exposure	0	0	0
Sector Allocation (%):			
U.S. Treasury-Nominal	44	37	44
U.S. Treasury-TIPS	50	0	50
U.S. Agency	6	6	6
Mortgage Backed	0	29	0
Corporate	0	21	0
Bank Loans	0	0	0
Local & Provincial Government	0	1	0
Sovereign & Supranational	0	3	0
Commercial Mortgage Backed	0	2	0
Asset Backed	0	0	0
Cash Equivalent	0	0	0
Other	0	0	0



## Portfolio Reviews As of June 30, 2013

## Global Equity Portfolio Reviews As of June 30, 2013



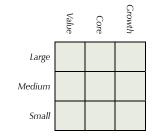
### Northern Trust Russell 3000 Index Portfolio Detail as of 6/30/13

Mandate: Domestic Equities

Active/Passive: Passive
Market Value: \$190.4 million
Portfolio Manager: Team

**Location:** Chicago, Illinois **Inception Date:** 9/1/1999

Account Type: Commingled Fund



#### Fee Schedule:

0.03% on all assets

#### **Liquidity Constraints:**

Daily

#### Strategy:

The Northern Trust strategy seeks to replicate the return of the Russell 3000 Index. Northern Trust employs a proprietary process in combination with low-cost trade execution to accomplish this objective. To efficiently manage cash flows, Northern Trust seeks to maximize the liquidity of trade lists and match the relevant benchmark's systemic risk. The result is a portfolio that tightly tracks the index while incurring lower transaction costs.

Performance (%):	2Q13	1 YR	3 YR	5 YR	Since 9/1/99
Northern Trust Russell 3000 Index Net of Fees	2.7 2.7	21.6 21.5	18.7 18.7	7.4 7.4	4.2 4.2
Russell 3000	2.7	21.5	18.6	7.2	4.1
Risk: (sixty months)	Standard Deviation	Beta	Sharpe Measure	Info. Ratio	Correlation to Index
Risk: (sixty months)  Northern Trust Russell 3000 Index		Beta 1.00	•		

		0/13		1/13
Capitalization Structure:	NT Russell 3000	Russell 3000	NT Russell 3000	Russell 3000
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ billion)	84.7 1.5	84.6 1.2	84.6 1.4	84.5 1.1
Large (% over US\$10 billion) Medium (% US\$2 billion to US\$10 billion) Small (% under US\$2 billion)	77 17 6	76 17 6	77 17 6	77 17 6
Fundamental Structure:				
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	22 4.1 2.1 12 12	22 4.1 2.1 12 11	22 4.0 2.0 11 11	22 4.0 2.0 11 11
Sector Allocation (%):				
Information Technology Consumer Discretionary Materials Industrials Energy Health Care Consumer Staples Telecommunication Services Utilities Financials	17 13 4 11 10 12 9 3 3 18	17 13 4 11 10 12 9 3 3 3	17 13 4 11 10 12 10 3 4 17	17 13 4 11 10 12 10 3 4 17
Diversification:				
Number of Holdings % in 5 largest holdings % in 10 largest holdings	2,625 9 15	2,923 9 15	2,632 9 15	2,942 9 15
Largest Ten Holdings:		Industry		
ExxonMobil Apple Microsoft General Electric Johnson & Johnson Chevron Google Procter & Gamble IBM Wells Fargo & Company	2.4 2.1 1.5 1.4 1.3 1.3 1.3 1.2 1.2	Energy Technology Equ Software & Sen Capital Goods Pharmaceutical Energy Software & Sen Household Pro Software & Sen Banks	vices s & Biotech. vices clucts	

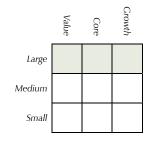


### Northern Trust MSCI Emerging Markets Index Portfolio Detail as of 6/30/13

Mandate:Global EquitiesActive/Passive:PassiveMarket Value:\$124.8 millionPortfolio Manager:Team

Location: Chicago, Illinois Inception Date: 5/1/2010

Account Type: Commingled Fund



#### Fee Schedule:

0.05% on all assets

#### **Liquidity Constraints:**

Daily

#### Strategy:

The Northern Trust strategy seeks to replicate the return of the MSCI Emerging Markets index. Northern Trust employs a proprietary process in combination with low-cost trade execution to accomplish this objective. To efficiently manage cash flows, Northern Trust seeks to maximize the liquidity of trade lists and match the benchmark's risk profile. The result is a diversified portfolio that tightly tracks the index while incurring lower transaction costs.

Performance (%):	2Q13	1 YR	3 YR	Since 5/1/10
Northern Trust MSCI Emerging Markets Index Net of Fees	-8.1 -8.1	2.9 2.8	3.2 3.1	-0.2 -0.3
MSCI Emerging Markets	-8.1	2.9	3.4	0.0

Risk: (thirty-eight months)	Standard Deviation	Beta	Sharpe Measure <sup>1</sup>	Info. Ratio	Correlation to Index
Northern Trust MSCI Emerging Markets Index	21.5%	1.00	Neg.	NA	1.00
MSCI Emerging Markets	21.6	1.00	Neg.	NA	1.00

	6/3	0/13	3/31	/12
	0/30	MSCI	3/31	MSCI
Capitalization Structure:	NT MSCI EM	Emerging Markets	NT MSCI EM	Emerging Markets
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ billion)	32.9 4.5	32.7 4.2	36.2 4.9	36.2 4.6
Large (% over US\$10 billion) Medium (% US\$2 billion to US\$10 billion) Small (% under US\$2 billion)	64 32 4	63 32 4	65 31 4	65 31 4
Fundamental Structure:				
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	18 3.1 2.9 14 12	18 3.1 2.9 14 12	20 3.2 2.7 13 12	19 3.2 2.7 13 12
Sector Allocation (%):				
Financials Information Technology Consumer Discretionary Consumer Staples Industrials Health Care Telecommunication Services Utilities Materials Energy	28 15 8 10 6 1 8 3 9	28 15 8 9 6 1 8 3 10	28 14 8 9 7 1 7 3 11	28 14 8 9 6 1 7 4 11
Diversification:				
Number of Holdings % in 5 largest holdings % in 10 largest holdings	851 11 16	820 11 16	850 11 16	823 11 16
Region Allocation (%):				
Asia Latin America Europe, Middle East and Africa Other	54 20 16 10	54 20 17 9	53 22 17 8	53 22 17 8
Largest Five Holdings:		Industry		
Samsung Taiwan Semiconductor China Mobile China Con.Bank Industrial & Com. Bank Of China	3.7 2.6 1.8 1.5 1.3	Semiconductors Semiconductors Telecom Service Banks Banks	S	

<sup>&</sup>lt;sup>1</sup> A negative Sharpe ratio indicates that the portfolio underperformed the risk-free rate during the sample period.



Portfolio Detail

2Q13

### Artisan Global Value Portfolio Detail as of 6/30/13

Mandate: International Equities, Developed Markets Active/Passive: Active Market Value: \$114.3 million Large Portfolio Manager: David Samra Dan O'Keefe Medium Location: San Francisco, California 3/1/2011 Inception Date: Small Account Type: Separately Managed

#### Fee Schedule:

0.80% on first \$50 mm; 0.60% on next \$50 mm; 0.50% thereafter

#### **Liquidity Constraints:**

Daily

#### Strategy:

Artisan employs a bottom-up investment approach seeking to identify undervalued quality businesses that offer the potential for superior risk/reward outcomes. Artisan runs a somewhat concentrated portfolio of 40 to 60 stocks. They are benchmark-agnostic, and willing to have exposures that are materially different than the benchmark.

#### **Guidelines:**

Benchmark = MSCI ACWI; Max. % per country other than U.S. = 35%; Max. % per industry = 25%; Max. % in debt securities = 10%; Max % outside developed markets = 10% above benchmark weighting

Performance (%):	2Q13	1 YR	Since 3/1/11
Artisan Global Value	3.8	28.3	14.5
Net of Fees	3.6	27.7	13.8
MSCI ACWI Value	0.2	17.8	3.2
Peer Global Equity	1.0	20.9	6.4
Peer Ranking (percentile)	13	5	2

	6/30	-,	3/31	
Capitalization Structure:	Artisan Global Value	MSCI ACWI Value	Artisan Global Value	MSCI ACWI Value
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ billion)	72.6 28.7	79.9 7.0	69.2 27.2	80.1 7.2
Large (% over US\$10 billion) Medium (% US\$2 billion to US\$10 billion) Small (% under US\$2 billion)	89 11 0	85 15 1	87 13 0	84 15 1
Fundamental Structure:				
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	20 3.4 2.3 8 10	18 2.2 3.6 5 7	18 3.2 2.1 7 11	18 2.0 3.4 3 7
Sector Allocation (%):				
Information Technology Consumer Staples Consumer Discretionary Health Care Financials Industrials Telecommunication Services Materials Utilities Energy	24 12 11 11 29 7 2 1 0 3	7 6 6 9 30 10 6 7 6	22 14 12 10 28 7 2 2 0 3	7 6 6 8 32 9 6 6 6
Diversification:				
Number of Holdings % in 5 largest holdings % in 10 largest holdings	44 20 39	1,328 9 15	43 20 38	1,298 9 15
Region Allocation (%):				
Americas Europe Pacific Rim Other	64 31 3 2	53 23 14 11	67 30 3 0	52 23 14 11
Largest Five Holdings:		Industry		
TE Connectivity AON Google Compass Group Oracle	4.6 4.1 4.0 3.8 3.8	Technology Equ Insurance Software & Serv Consumer Servi Software & Serv	rices ices	



2Q13

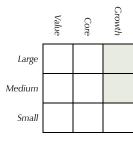
### **Vontobel Emerging Markets Equity** Portfolio Detail as of 6/30/13

Mandate: International Equities, **Emerging Markets** 

Active

Active/Passive: Market Value: \$100.0 million Portfolio Manager: Rajiv Jain Location: New York, NY **Inception Date:** 7/1/2013

**Account Type:** Commingled Fund



Fee Schedule:

0.95% on first \$150 mm; 0.85% thereafter

**Liquidity Constraints:** 

Daily

#### Strategy:

Vontobel believes that long-term, stable, and superior earnings growth drives investment returns and risk-adjusted outperformance. Thus they seek to invest in businesses that are predictable (strong franchise, low capital intensity, shareholder oriented management, etc.), sustainable (ability to replicate or exceed past success in terms of growth, operating margins, ROE, ROA etc.), and are trading at an attractive margin of safety (to at least a 25% discount to their assessment of intrinsic value). They believe in building concentrated portfolios (50 to 90 stocks) of high conviction positions with little attention paid to the benchmark.



## RS Investments Small Cap Value Portfolio Detail as of 6/30/13

**Mandate:** Domestic Equities

Active/Passive: Active

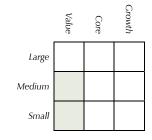
Market Value: \$61.0 million

Portfolio Manager: Team

**Location:** San Francisco, California

**Inception Date:** 8/1/2010

Account Type: Separately Managed



#### Fee Schedule:

1.00% on first \$30 mm; 0.80% on next \$20 mm; 0.60% thereafter

#### **Liquidity Constraints:**

Daily

#### Strategy:

RS employs a bottom-up, fundamental stock picking approach to portfolio management. The investment team seeks to optimize risk-adjusted returns through deep company-specific fundamental research. When evaluating investments for the strategy, RS Investments employs a return-on-capital analysis, combining balance sheet and cash flow analysis. RS believes that stock price performance is more highly correlated to improving returns on capital than it is to traditional valuation measurements like price-to-earnings, price-to-sales or price to book value. The strategy typically invests most of its assets in securities of U.S. companies but may also invest up to 15% of its assets in foreign securities.

#### **Guidelines:**

Position size <9%, industry exposure <25%, maximum 10% non U.S.

Performance (%):	2Q13	1 YR	Since 8/1/10
RS Investments Small Cap Value	5.7	36.2	19.2
Net of Fees	5.6	35.7	18.4
Russell 2000 Value	2.5	24.8	15.1
Peer Small Cap Value	3.4	27.2	17.1
Peer Ranking (percentile)	7	6	12

Capitalization Structure:	6/3 RS SCV	80/13 Russell 2000 Value	3/3 RS SCV	31/13 Russell 2000 Value
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ billion)	2.9 2.6	1.4 0.5	3.0 2.6	1.3 0.5
Large (% over US\$10 billion) Medium (% US\$2 billion to US\$10 billion) Small (% under US\$2 billion)	0 71 29	0 22 78	0 72 28	0 22 78
Fundamental Structure:				
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	28 2.8 1.1 0 12	24 1.9 2.1 3 12	26 2.9 1.5 -6 12	24 1.8 2.0 2 11
Sector Allocation (%):				
Information Technology Energy Materials Utilities Health Care Consumer Staples Telecommunication Services Industrials Consumer Discretionary Financials	25 11 7 7 6 3 0 12 5	12 6 5 6 5 3 1 13 13	26 11 7 8 7 3 0 11 6 21	12 7 6 6 4 2 0 13 12 38
Diversification:				
Number of Holdings % in 5 largest holdings % in 10 largest holdings	52 19 36	1,392 3 4	51 20 37	1,403 2 4
Largest Ten Holdings:		Industry		
IDT Acxiom Calpine Euronet Worldwide First Horizon National AOL Questar StanCorp Financial Peyto Compass Minerals	4.3 4.2 3.7 3.6 3.4 3.4 3.3 3.2 3.1	Semiconductors Software & Serv Utilities Software & Serv Banks Software & Serv Utilities Insurance Energy Materials	ices	



### Eagle Small Cap Growth Portfolio Detail as of 6/30/13

Mandate: Domestic Equities

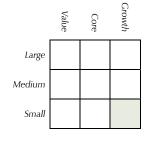
Active/Passive: Active

Market Value: \$56.6 million

Portfolio Manager: Bert L. Boksen, CFA

Location: St. Petersburg, Florida
Inception Date: 6/1/1998

Account Type: Separately Managed



#### Fee Schedule:

0.75% on first \$3 mm; 0.70% on next \$7 mm; 0.60% on next \$40 mm; 0.50% thereafter

#### **Liquidity Constraints:**

Daily

#### Strategy:

Eagle Asset Management seeks to capture the significant long-term capital appreciation potential of small, rapidly growing, under-researched companies. The market capitalization of these companies falls within the market cap range of the Russell 2000 Index at the time of purchase. Since the small company sector historically has been less efficient than the large capitalization sector, they believe that conducting extensive proprietary research on companies that are not widely followed or owned institutionally should enable Eagle to capitalize on market inefficiencies and thus outperform the Russell 2000 Growth Index.

#### Guidelines:

Maximum of 5% in one issuer, and maximum of 5% preferred stock.

Performance (%):	2Q13	1 YR	3 YR	5 YR	Since 6/1/98
Eagle Small Cap Growth	3.0	27.7	21.2	11.6	7.9
Net of Fees	2.9	27.1	20.5	11.0	7.3
Russell 2000 Growth	3.7	23.7	20.0	8.9	4.8
Peer Small Cap Growth	3.5	24.6	20.9	10.2	NA
Peer Ranking (percentile)	60	21	43	31	NA
Risk: (sixty months)	Standard Deviation	Beta	Sharpe Measure	Info. Ratio	Correlation to Index
<b>Eagle Small Cap Growth</b>	27.6%	0.98	0.41	0.65	0.99
Russell 2000 Growth	27.3	1.00	0.32	NA	1.00

Capitalization Structure:	6/ Eagle	30/13 Russell 2000 Growth	3/ Eagle	31/13 Russell 2000 Growth
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ billion)	1.9 1.5	1.8 0.7	1.8 1.5	1.7 0.7
Large (% over US\$10 billion) Medium (% US\$2 billion to US\$10 billion) Small (% under US\$2 billion)	0 40 60	0 38 62	0 37 63	0 35 65
Fundamental Structure:				
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	33 5.5 0.6 16 19	31 6.2 0.7 19 18	34 5.6 0.5 14 16	32 6.5 0.7 18 17
Sector Allocation (%):				
Materials Financials Consumer Discretionary Information Technology Health Care Utilities Industrials Consumer Staples Telecommunication Services Energy	6 9 17 22 21 0 17 4 0 5	5 8 16 21 21 0 18 5 1	7 10 16 19 22 0 16 3 0	5 8 16 21 20 0 18 5 1
Diversification:				
Number of Holdings % in 5 largest holdings % in 10 largest holdings	98 10 19	1,101 3 5	99 13 21	1,104 3 6
Largest Ten Holdings:		Industry		
Genesco Centene Geospace Technologies Texas Industries Quaker Chemical Multimedia Games Sirona Dental Systems Portfolio Recovery Assoc. Theravance Huron Consulting Group	2.7 1.9 1.9 1.9 1.9 1.9 1.9 1.8 1.7	Retailing Health Care Serv Energy Materials Materials Consumer Servic Health Care Serv Diversified Finar Pharmaceuticals Commercial Serv	ces vices cials & Biotech.	



### Northern Trust EAFE Small Cap Portfolio Detail as of 6/30/13

 Mandate:
 International Equities, Developed Markets
 Developed Markets

 Active/Passive:
 Active

 Market Value:
 \$50.7 million

 Portfolio Manager:
 Team

 Location:
 Chicago, Illinois

 Inception Date:
 11/1/2012

Fee Schedule:

Account Type:

0.05% on all assets

**Liquidity Constraints:** 

Commingled Fund

Daily

Strategy:

This Northern Trust EAFE Small Cap Index strategy seeks to replicate the returns of the MSCI EAFE Small Cap index, a proxy for developed market small cap equity performance (excluding the U.S. and Canada). The strategy provides broad diversification (there are 21 developed country indices within the index) at minimal expense.

Small

Performance (%):	2Q13	Fiscal YTD	Since 11/1/12
Northern Trust EAFE Small Cap	-2.3	NA	11.3
Net of Fees	-2.3	NA	11.3
MSCLEAFE Small Cap	-2 5	20.9	11.1

	6/30/13			1/13
Capitalization Structure:	Northern Trust EAFE Small Cap	MSCI EAFE Small Cap	Northern Trust EAFE Small Cap	MSCI EAFE Small Cap
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ million)	1.8 735.0	1.8 737.8	1.9 775.3	1.9 776.3
Large (% over US\$10 billion) Medium (% US\$2 billion to US\$10 billion) Small (% under US\$2 billion)	0 37 63	0 37 63	0 39 61	0 39 61
Fundamental Structure:				
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	20 2.8 2.7 6 12	20 2.8 2.7 6 12	20 2.8 2.6 4 9	20 2.8 2.6 4 9
Sector Allocation (%):				
Materials Consumer Discretionary Consumer Staples Energy Telecommunication Services Information Technology Utilities Industrials Health Care Financials	10 20 6 4 1 9 2 21 6 21	10 20 6 4 1 9 2 21 6 21	10 19 6 5 1 9 2 21 6	10 19 6 5 1 9 2 21 6
Diversification:				
Number of Holdings % in 5 largest holdings % in 10 largest holdings	2,163 2 3	2,155 2 3	2,168 2 3	2,164 2 3
Region Allocation (%):				
Europe Pacific Rim Other	56 44 0	56 44 0	55 45 0	55 44 0
Largest Five Holdings:		Industry		
MTU Aero Engines Ashtead Group Taylor Wimpey Barratt Developments Mondi	0.3 0.3 0.3 0.3	Capital Goods Capital Goods Consumer Dura Consumer Dura Materials		



2Q13

### Northern Trust MSCI EAFE Index Portfolio Detail as of 6/30/13

Mandate: International Equities, Developed Markets Active/Passive: Active Market Value: \$33.0 million Large Portfolio Manager: Team Location: Chicago, Illinois Medium Inception Date: 11/1/2012 Account Type: Commingled Fund Small

Fee Schedule:

0.05% on all assets

**Liquidity Constraints:** 

Daily

Strategy:

The Northern Trust MSCI EAFE Index strategy seeks to replicate the return of the MSCI EAFE index. Northern Trust employs a proprietary process in combination with low-cost trade execution to accomplish this objective. To efficiently manage cash flows, Northern Trust seeks to maximize the liquidity of trade lists and match the relevant benchmark's systemic risk. The result is a portfolio that tightly tracks the index while incurring lower transaction costs.

Performance (%):	2Q13	Fiscal YTD	Since 11/1/12
Northern Trust MSCI EAFE Index Net of Fees	-0.8 -0.8	NA NA	10.3 10.3
MSCI EAFE	-1.0	18.6	10.0

		0/13		1/13
Capitalization Structure:	Northern Trust EAFE	MSCI EAFE	Northern Trust EAFE	MSCI EAFE
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ billion)	54.5 7.7	54.5 7.6	55.7 7.8	55.6 7.8
Large (% over US\$10 billion) Medium (% US\$2 billion to US\$10 billion) Small (% under US\$2 billion)	81 19 0	81 19 0	81 19 0	81 19 0
Fundamental Structure:				
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	19 2.9 3.3 5 11	19 2.9 3.3 5 11	19 3.0 3.3 3 10	19 3.0 3.3 3 10
Sector Allocation (%):				
Consumer Discretionary Financials Health Care Consumer Staples Materials Telecommunication Services Utilities Industrials Energy Information Technology	12 25 11 12 8 5 4 12 7	12 25 11 12 8 5 4 12 7	11 25 10 12 9 5 4 13 7	11 25 10 12 9 5 4 13 7
Diversification:				
Number of Holdings % in 5 largest holdings % in 10 largest holdings	915 8 14	907 8 14	910 8 13	909 8 13
Region Allocation (%):				
Americas Europe Pacific Rim Other	0 64 36 0	0 64 36 0	0 64 36 0	0 64 36 0
Largest Five Holdings:		Industry		
Nestle HSBC Roche Holding Toyota Motor Novartis	1.9 1.7 1.5 1.5 1.4	Food, Beverage Banks Pharmaceutical: Automobiles & Pharmaceutical:	s & Biotech. Components	



## Real Assets Portfolio Reviews as of 6/30/13

## Real Assets Portfolio Reviews As of June 30, 2013



## CS Risk Parity Commodity Index Portfolio Detail as of 6/30/13

Mandate: Commodity
Active/Passive: Active

Market Value: \$93.8 million

Portfolio Manager: Christopher Burton

Location: New York, New York

**Inception Date:** 4/1/2011

Account Type: Commingled Fund

Fee Schedule:

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

**Liquidity Constraints:** 

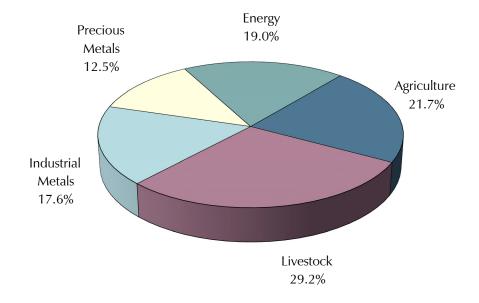
Daily

#### 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 (%):	2Q13	1 YR	Since 4/1/11
CS Risk Parity Commodity Index <sup>1</sup>	-7.4	-7.4	-9.8
Custom Risk Parity Benchmark <sup>2</sup>	-7.5	-7.8	-9.9
Dow Jones-UBS Commodity U.S. Index	<b>-</b> 9.5	-8.1	-12.8

#### **Current Allocation:**



<sup>&</sup>lt;sup>2</sup> Risk Parity benchmark returns provided by staff.



<sup>&</sup>lt;sup>1</sup> Performance is net of fees.

### First Quadrant Risk Parity Commodity Index Portfolio Detail as of 6/30/13

Mandate: Commodity (net of fees)

Active/Passive: Active

Market Value: \$76.4 million

Portfolio Manager: Team

**Location:** Pasadena, California

**Inception Date:** 4/1/2011

Account Type: Commingled Fund

#### Fee Schedule:

0.35% on all assets

#### **Liquidity Constraints:**

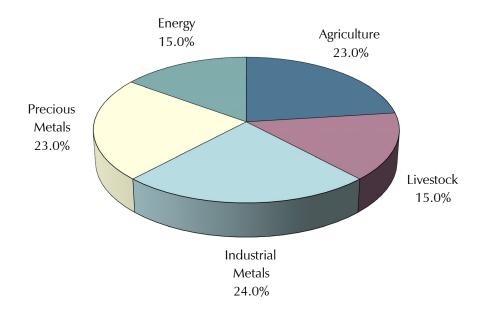
Daily

#### 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 (%):	2Q13	1 YR	Since 4/1/11
First Quadrant Risk Parity Commodity Index <sup>1</sup>	-11.7	-15.1	-14.5
Custom Risk Parity Benchmark <sup>2</sup>	-7.5	-7.8	-9.9
Dow Jones-UBS Commodity U.S. Index	-9.5	-8.1	-12.8

#### **Current Allocation:**



<sup>&</sup>lt;sup>2</sup> Risk Parity benchmark returns provided by staff.



Performance is net of fees.

### Northern Trust Global LargeMid NR Portfolio Detail as of 6/30/13

Mandate: Natural Resources

Active/Passive: Passive
Market Value: \$80.3 million

Portfolio Manager: Team

**Location:** Chicago, Illinois **Inception Date:** 11/1/2012

Account Type: Separately Managed

Fee Schedule: 0.05% on all assets

**Liquidity Constraints:** 

Daily

Strategy:

This Northern Trust Global Large MidCap Natural Resources Index seeks an investment return that approximates the performance of the S&P Global LargeMidCap Commodity and Resources Index. The index has equal exposure to three major natural resources industries: energy, materials, and agriculture.

Performance (%):	2Q13	Fiscal YTD	Since 11/1/12
Northern Trust Global LargeMid NR Net of Fees	-10.8 -10.8	NA NA	-11.8 -11.8
S&P Global LargeMid Cap Commodities and Resources	-10.8	-5.5	-11.9

Capitalization Structure:	6/3 Northern Trust Global NR	60/13 S&P Global LargeMid Cap Comm & Res	3/3 Northern Trust Global NR	1/13 S&P Global LargeMid Cap Comm & Res
Weighted Average Market Cap. (US\$ billion) Median Market Cap. (US\$ billion)	65.0 8.1	66.4 7.3	67.1 9.1	66.8 9.0
Large (% over US\$10 billion) Medium (% US\$2 billion to US\$10 billion) Small (% under US\$2 billion)	84 15 1	85 14 1	84 15 1	84 15 1
Fundamental Structure:				
Price-Earnings Ratio Price-Book Value Ratio Dividend Yield (%) Historical Earnings Growth Rate (%) Projected Earnings Growth Rate (%)	17 2.2 3.1 6 7	17 2.2 3.1 6 7	18 2.4 2.8 6 6	18 2.4 2.8 5 6
Sector Allocation (%):				
Energy Materials Consumer Discretionary Financials Health Care Industrials Information Technology Telecommunication Services Utilities Consumer Staples	35 57 0 0 0 0 0 0 0	34 57 0 0 0 0 0 0 0	34 59 0 0 0 0 0 0	34 59 0 0 0 0 0 0 0
Diversification:				
Number of Holdings % in 5 largest holdings % in 10 largest holdings	217 27 42	225 27 42	217 26 39	229 26 39
Region Allocation (%):				
Europe/North America Pacific Rim/Asia Asia (emerging) Latin America (emerging) Europe/MidEast/Africa (emerging)	78 11 5 2 4	76 12 5 3 5	75 12 4 3 5	74 12 5 3 6
Largest Five Holdings:		Industry		
Monsanto ExxonMobil Potash Corporation BHP Billiton Syngenta	6.8 5.6 5.3 5.0 4.7	Materials Energy Materials Materials Materials		



## Fixed Income Portfolio Reviews as of 6/30/13

# Fixed Income Portfolio Reviews As of June 30, 2013



## San Jose Federated City Employees' Retirement System

## Northern Trust Intermediate Gov't 1-10 Year Portfolio Detail as of 6/30/13

Mandate:	Fixed Income				
Active/Passive:	Passive		Short	Int.	Long
Market Value:	\$113.6 million	_	'n	ıt.	ક
Portfolio Manager:	Team	High			
Location:	Chicago, Illinois	7 11511			
Inception Date:	10/1/2012	Medium			
Account Type:	Commingled Fund				
		Low			

Fee Schedule:

0.05% on all assets

**Liquidity Constraints:** 

Daily

Strategy:

The Northern Trust 1-10 Year Intermediate Government Bond Index Fund seeks to hold a portfolio representative of the intermediate government securities sector of the United States bond and debt market, as characterized by the Barclays Capital Intermediate Government Bond Index.

Performance (%):	2Q13	Fiscal YTD	Since 10/1/12
Northern Trust Intermediate Gov't 1-10 Year	-1.4	NA	-1.2
Net of Fees	-1.4	NA	-1.2
Barclays Intermediate Cov/t Bond Index	-1 4	-0.6	-1.2

	6/30	, -	3/31/13		
Duration & Yield:	NTGI Int Gov't 1-10 yr	Barclays IT Gov't	NTGI Int Gov't 1-10 yr	Barclays IT Gov't	
Average Effective Duration (years) Yield to Maturity (%)	3.5 1.0	3.6 1.0	3.8 0.6	3.6 0.6	
Quality Structure (%):					
Average Quality AAA (includes Treasuries and Agencies) AA A BBB BB BB B Below B Non-Rated	AAA 100 0 0 0 0 0 0 0	AAA 97 3 0 0 0 0 0	AAA 100 0 0 0 0 0 0 0	AAA 97 3 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	88 0 12 0 0 0 0 0 0 0 0	88 0 12 0 0 0 0 0 0 0 0	88 0 12 0 0 0 0 0 0 0 0	88 0 12 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	



2Q13

## San Jose Federated City Employees' Retirement System

# Russell Investments Barclays U.S. TIPS Portfolio Detail as of 6/30/13

Mandate: Fixed Income Active/Passive: Passive Market Value: \$112.3 million Portfolio Manager: Russell Investments (Transition Manager) High Location: Seattle, Washington Inception Date: 5/1/2010 Medium Account Type: Separately Managed Low

Fee Schedule:

0.05% on first \$200 mm; 0.03% on next \$200 mm; 0.015% thereafter

**Liquidity Constraints:** 

Daily

Strategy:

Russell Investments seeks to construct a portfolio of U.S. TIPS securities subject to Staff's guidelines.

Performance (%):	2Q13	1 YR	3 YR	Since 5/1/10
Russell Investments Barclays U.S. TIPS	-3.3	-1.4	4.4	4.6
Net of Fees	-3.3	-1.4	4.3	4.5
TIPS Blended Benchmark <sup>1</sup>	-4.9	-2.8	4.2	4.4
Barclays U.S. TIPS	-7.1	-4.8	4.6	4.9

Risk: (thirty-eight months)	Standard Deviation	Beta	Sharpe Measure	Info. Ratio	Correlation to Index
Russell Investments Barclays U.S. TIPS	3.8%	0.85	1.17	NA	0.97
TIPS Blended Benchmark <sup>1</sup>	4.4	1.00	0.98	NA	1.00

		30/13	3/31/13	
Quality Structure (%):	Barclays U.S. TIPS	Barclays TIPS	Barclays U.S. TIPS	Barclays TIPS
Average Quality	AAA	AAA	AAA	AAA
AAA (includes Treasuries and Agencies)	100	100	100	100
AA	0	0	0	0
A	0	0	0	0
BBB	0	0	0	0
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	0	0	0	0
U.S. Treasury-TIPS	100	100	100	100
U.S. Agency	0	0	0	0
Mortgage Backed	0	0	0	0
Corporate	0	0	0	0
Bank Loans	0	0	0	0
Local & Provincial Government	0	0	0	0
Sovereign & Supranational	0	0	0	0
Commercial Mortgage Backed	0	0	0	0
Asset Backed	0	0	0	0
Cash Equivalent	0	0	0	0
Other	0	0	0	0
Market Allocation (%):				
United States	100	100	100	100
Foreign (developed markets)	0	0	0	0
Foreign (emerging markets)	0	0	0	0
Currency Allocation (%):				
Non-U.S. Dollar Exposure	0	0	0	0

The TIPS Blended Benchmark Consists of 50% Barclays U.S. TIPS & 50% Barclays U.S. TIPS 1-5 years. Prior to January 1, 2012, it was comprised of 100% Russell Investments Barclays U.S. TIPS.



Portfolio Detail 16

2Q13

#### **Global Economic Outlook**

For the remainder of 2013, we believe economic growth will continue to be slow for developed economies, while emerging economies will experience higher, but volatile economic growth.

- The recent increase in real interest rates and reduction in global liquidity will likely weigh on growth in emerging markets, while improvements in developed market growth should help export demand. In China, growth has slowed to levels below expectations as they struggle to rein in a credit-fueled expansion. Slower growth in China could reduce export demand for other emerging economies.
- Although growth recently improved in developed economies, it should remain subdued due to an increase in yields, government austerity, and high unemployment.
- Thus far in 2013, GDP growth levels have come in below consensus projections, with the exception of Japan. In the European Union, growth was forecasted to be slow, but positive, in 2013, but has actually declined. In China, actual growth has been 1.6% below what was projected.

	IMF 2013 Real GDP Forecast (%)	1Q 2013 Actual Real GDP (%)
U.S.	2.1	1.8
European Union	0.5	-0.4
Japan	1.2	4.1
China	8.2	6.6

Source: "IMF 2013 Real GDP Forecast" represents the IMF's October 2012 projections. The source for the "2013 Actual Real GDP" is Thomson Reuters and is through March 31, 2013.

• Subdued growth in developed economies and slowing growth in developing economies coupled with higher interest rates should keep inflation at moderate levels. If central banks begin to reduce their historic monetary stimulus, inflationary pressures will further decline, while if they continue their current course the risk remains for inflation to pick up. A small risk of deflation exists in developed economies.



#### Global Economic Outlook, Continued

Since May, global real interest rates increased markedly despite continued monetary stimulus, creating deflationary pressure in the global economy. For the remainder of 2013, additional fiscal stimulus looks unlikely in developed economies, with the exception of Japan.

- In June, the U.S. Federal Reserve suggested that if economic conditions continued to improve they would begin tapering their bond purchase program later this year. Despite highlighting that the policy was not pre-determined and that they would not be increasing interest rates soon, equity markets fell, while the U.S. dollar and Treasury yields rose.
- Shinzo Abe, Japan's new Prime Minister, announced in June the "third arrow" (structural reforms) of his three pronged plan to fight the country's long-term economic stagnation. The first and second arrows came in the form of unprecedented monetary and fiscal stimulus. The announcement left many disappointed, as it did not address the central issues of business deregulation and labor market and agriculture reforms.



#### Global Economic Outlook, Continued

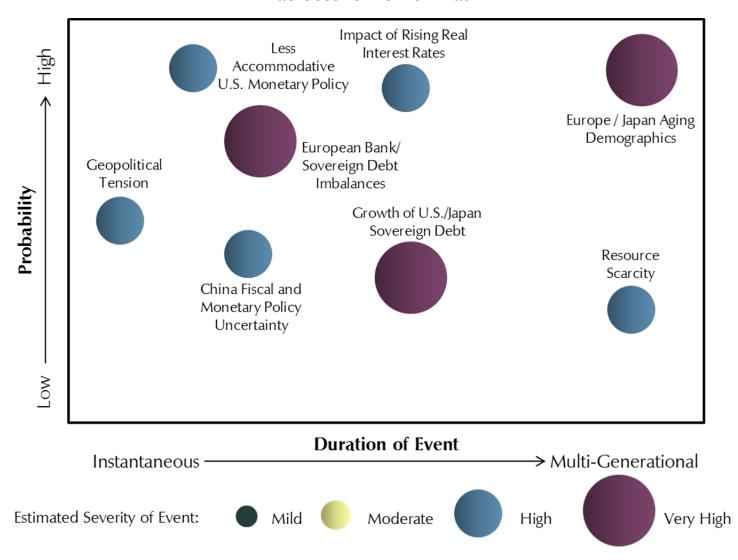
Social unrest recently flared up globally, while political uncertainty and sovereign debt issues continue to persist in Europe.

- In Turkey, protests began in May to fight the development of a park in Istanbul, but subsequently spread across the country as the protesters were forcibly evicted and the focus of the protests expanded to other social concerns. In June, protesters in Brazil flocked to the streets initially due to protest over increasing bus fares, but the list of concerns spread to encompass other issues including corruption, high taxes, and spending on the upcoming Olympics and World Cup.
- Greece returned to the spotlight as they announced a shortfall in their rescue program totaling 3 to 4 billion euro.
   In early July, the Eurozone and IMF pledged additional support of 6.8 billion euro to be paid in several installments. The additional aid was contingent on Greece following through on promises to sell state assets and cut public sector jobs.

Several issues remain of primary concern: 1) continued economic sluggishness and financial risk in Europe; 2) increasing real interest rates globally; 3) the potential for a rapid slowdown in China impacting other emerging economies; and 4) increased geopolitical tensions around the world.



#### **Macroeconomic Risk Matrix**





Outlook

4

#### **Macroeconomic Risk Overviews**

European Bank/Sovereign Debt Imbalances	The crisis is rooted in structural issues in the Euro-zone related to the combination of a single currency (euro) combined with 17 fiscal authorities. Several negative outcomes are possible from the sovereign debt crisis, including sequential sovereign default, a break-up of the euro, bank failures, political regime change, and rapid de-leveraging/deflation.
Growth of U.S./Japan Sovereign Debt	Similar to the sovereign debt crisis in Europe, the potential crises in Japan and the U.S. are founded on very large and growing fiscal debt burdens, combined with slow growth. However, unlike Europe, Japan and the U.S. both have single fiscal and monetary authorities. Thus, central banks can (and did) print money to avoid the risk of default. Recently, Japan's central bank announced a very aggressive strategy to fight deflation that aims to double the monetary base and target a 2% inflation rate.
Europe/Japan Aging Demographics	In Japan and Europe birth rates have declined, resulting in populations becoming older and smaller relative to the rest of the world. These demographic trends will have a negative long-term impact on GDP growth and fiscal budgets, amplifying debt problems.
<b>Geopolitical Tension</b>	Recently, social unrest has increased most notably in Brazil, Turkey, and Egypt. The use of social media has dramatically enhanced the ability to quickly disseminate information and to mobilize people. In Brazil and Turkey the protest initially started over a single issue, but eventually expanded to cover a wide range of grievances. In Egypt, the protest were focused on discontent with the recently elected president (Mohammed Morsi) who replaced the country's long-term dictator (Hosni Mubarak). It is likely that social unrest in emerging economies will continue going forward as many people transition into the middle class and begin to demand more from their governments.
China Fiscal and Monetary Policy Uncertainty	A lot of China's recent growth was fueled by debt. One of the focuses of the new leadership regime in China has been to transition the country from a model of debt-fuelled growth to a model of consumption based growth. This transition process could prove to be difficult in the short-term, as the targeted rate of debt growth could weigh heavily on economic growth.



June

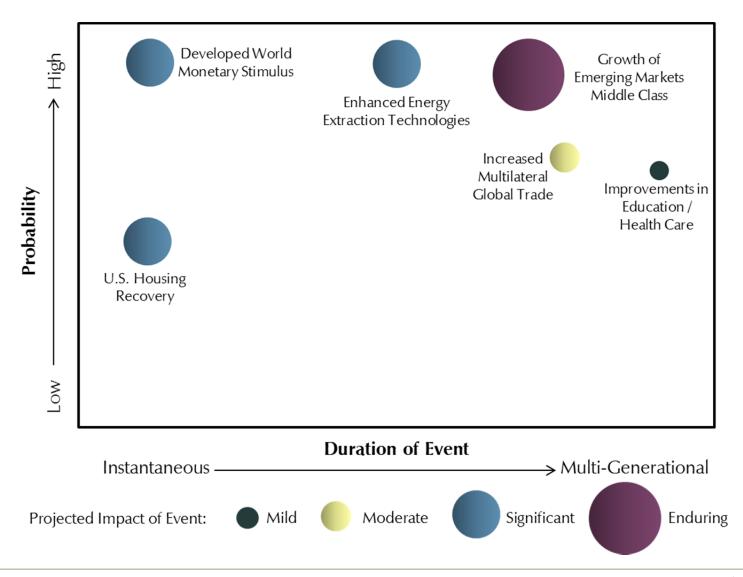
2013

## Macroeconomic Risk Overviews, Continued

Less Accommodative U.S. Monetary Policy / Impact of Rising Real Interest Rates	After the Global Financial Crisis, the developed world, particularly the U.S., injected massive amounts of liquidity into the system in an effort to prevent depression-like declines in growth. Recently, the Federal Reserve hinted that it may begin reducing its bond purchase program later this year if economic growth continued to improve. The initial reaction to the announcement was a dramatic increase in global yields. If monetary stimulus is removed too quickly, the fragile recovery from the Global Financial Crisis may be derailed.
Resource Scarcity	The increasing world population, urbanization, and a growing middle class, particularly in emerging economies, could all lead to a scarcity of resources going forward, including food, water, land, energy, and minerals. As demand continues to grow and supply declines, it is possible that commodity prices will skyrocket, hurting the living standards of many and increasing the risk of geopolitical conflicts.



#### **Positive Macroeconomic Trends Matrix**



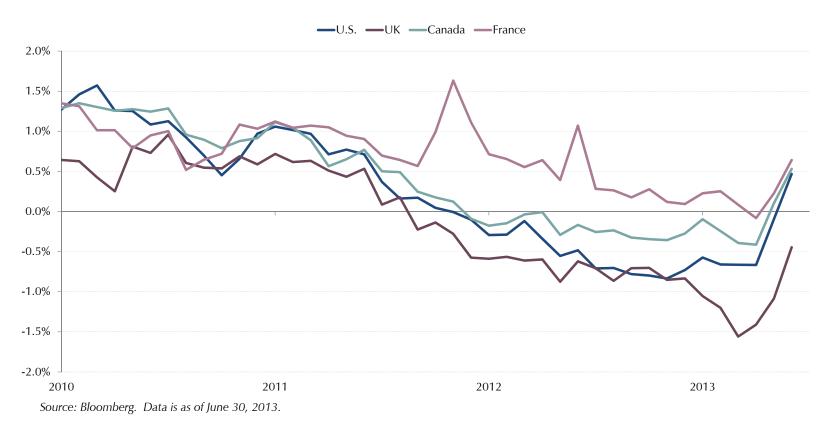


## **Positive Macroeconomic Trends Overviews**

Growth of Emerging Markets Middle Class	In emerging economies, the size of the middle class is projected to grow significantly over the next twenty years. The growing middle class in the emerging economies should increase consumption globally, which in turn will drive GDP growth and create jobs.
Increased Multilateral Global Trade	The pace of globalization has accelerated, particularly in emerging economies. Increased trade and investment, as well as access to foreign capital and export markets for corporations, should lead to lower costs, higher efficiencies, and higher global growth.
Improvements in Education/Healthcare	Literacy rates and average life spans have increased globally, particularly in the emerging economies. Higher literacy rates will likely be a driver of future growth, as the ability to read helps people learn new skills and improve existing skills. When people live longer it increases incentives to make long-term investments in human capital (i.e., education and training), resulting in a more productive work force and ultimately more growth.
Enhanced Energy Extraction Technologies	Hydraulic fracturing (i.e., fracking) technologies have allowed large new supplies of natural gas and oil to be extracted from shale rocks, predominantly in the U.S. The large new supply of natural gas has decreased U.S. prices to levels considerably below the rest of the world. Going forward, it is likely that other countries will work to improve their fracking technologies, further increasing the supply of oil and gas globally.
U.S. Housing Recovery	The U.S. housing market continues to show signs of recovery as building permits, housing starts, and prices have all increased recently. A recovery in the U.S. housing market should create jobs both in the construction and financial services industries, potentially decreasing the unemployment rate and ultimately increasing growth. One potential major headwind to a continued U.S. housing recovery is the recent increase in mortgage rates related to fears that the Federal Reserve might begin winding down its bond purchase program.
Developed World Monetary Stimulus	Developed market central banks have embarked on a massive monetary stimulus campaign in the aftermath of the Global Financial Crisis. The U.S., European, and Japanese central banks continue to maintain interest rates at record lows. Japan has recently embarked on an unprecedented asset purchase program (quantitative easing), while the U.S. is much further along in its stimulative efforts. Going forward, if central banks continue to increase liquidity and keep interest low this should stimulate growth.



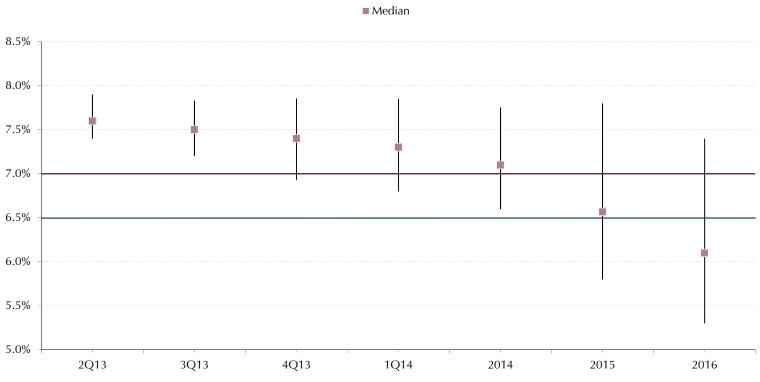
#### **Ten-Year Inflation-Linked Bonds Real Yields**



- Anticipation of the U.S. Federal Reserve starting to tighten monetary policy coupled with declining inflation expectations caused markets to readjust real yields globally.
- The real yields for ten-year inflation-linked bonds in the U.S., Canada, and France turned positive for the first time since 2011.



## **U.S.** Unemployment Forecast

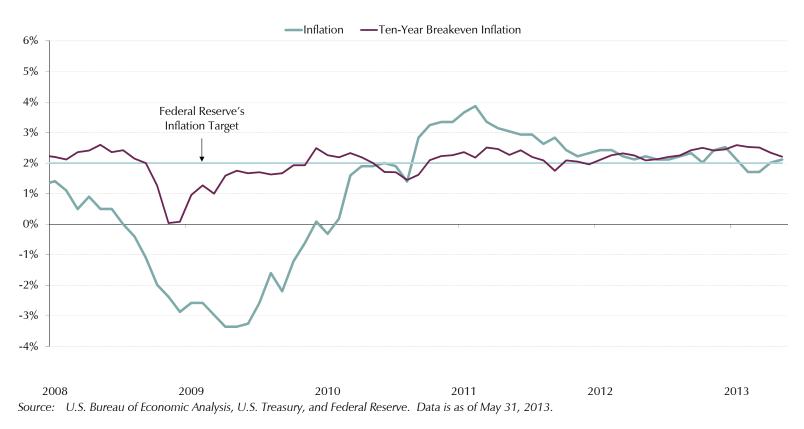


Source: Philadelphia Federal Reserve Survey of Professional Forecasters.

- The U.S. Federal Reserve announced that it would connect its interest rate policy and bond purchase program (i.e., quantitative easing) with the unemployment rate.
- Specifically, they plan to continue purchasing bonds until unemployment reaches 7.0% and to keep interest rates low as long as unemployment remains above 6.5%.
- Economists forecast that unemployment will decline below these levels over the next several years.



#### U.S. Inflation



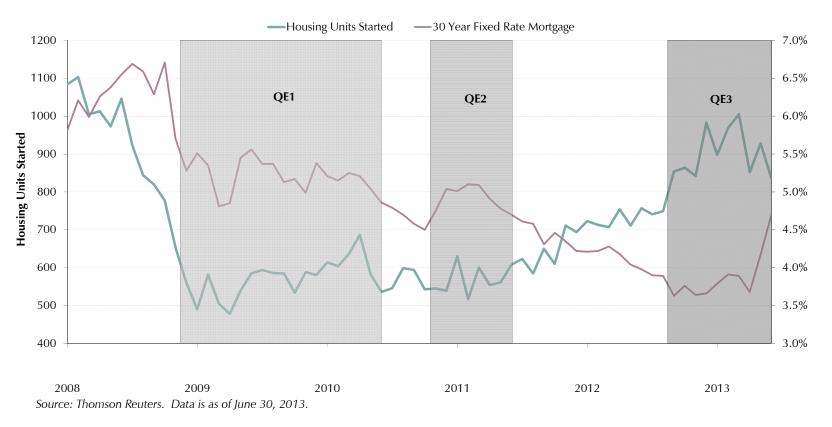
- Trailing twelve month U.S. inflation, as well as future inflation expectations, are well within the Federal Reserve's tolerance level.
- Low inflation provides the Federal Reserve with more flexibility in their monetary policy allowing for continuing their bond purchase program, or potentially even increasing it in the future.



June

2013

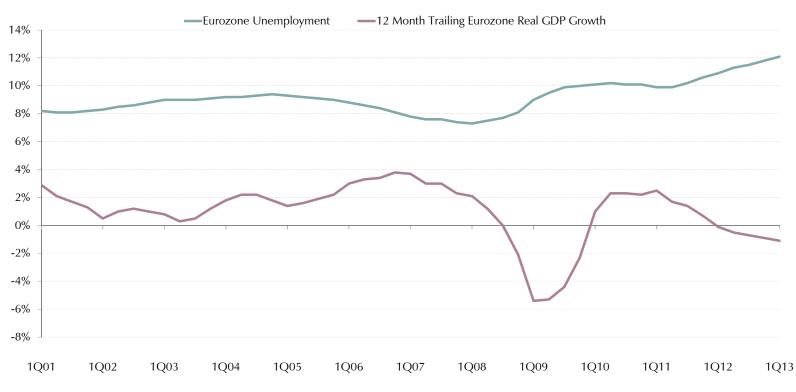
### **U.S.** Housing



- In the midst of sluggish economic growth in the U.S., the housing market remains a bright spot.
- Housing prices, particularly in more distressed markets, and construction of new homes have begun to shift from stabilization to recovery.
- The recent increase in mortgage rates could slow the U.S. housing recovery going forward. Already, massive declines in mortgage and refinance applications have been observed.



#### **Eurozone Economic Conditions**

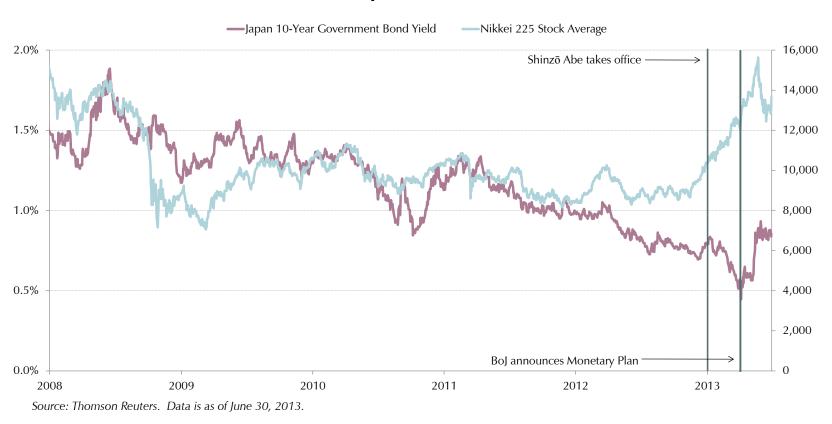


Source: Thomson Reuters. Data is as of March 31, 2013.

- Conditions in the Eurozone continue to deteriorate, with the region's economy slipping back into recession and unemployment reaching record highs.
- Efforts to further reduce deficits through tax increases and spending cuts could weigh heavily on the region's already fragile economy.



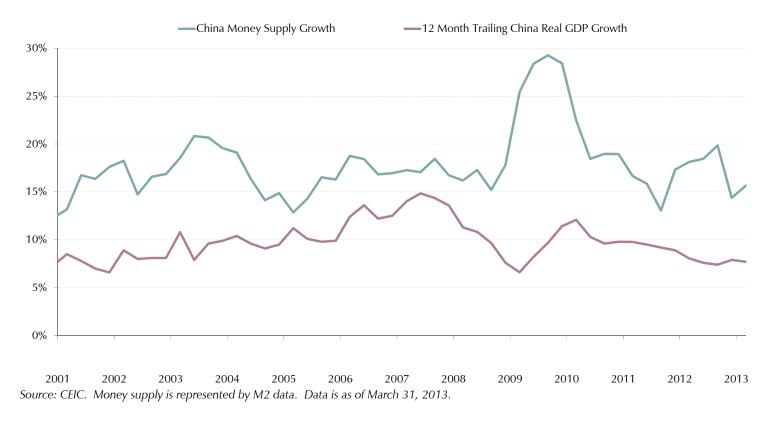
### **Japan Stimulus**



- To fight decades of deflation and economic malaise Japan's new Prime Minister Shinzo Abe introduced bold new policies consisting of monetary stimulus, fiscal stimulus, and structural reforms (i.e., "three arrows").
- After Mr. Abe's election in December 2012, both the Japanese stock and bond markets increased dramatically, but subsequently declined partly due to concerns over the country's unprecedented economic turnaround plan.

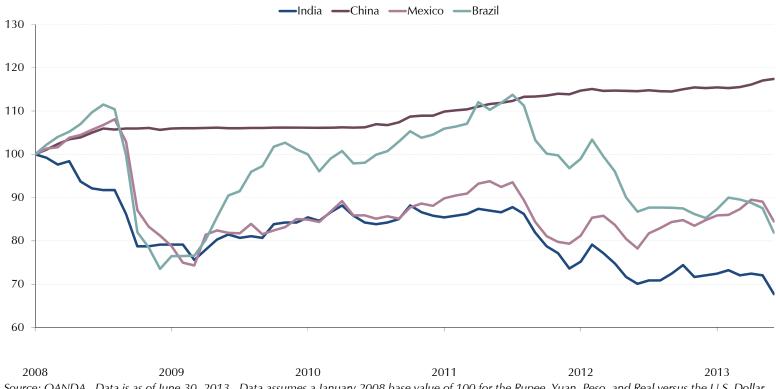


#### **China Economic Conditions**



- Credit growth in China has declined since its peak in 2009, but remains above economic growth.
- The new regime in China has made it a priority to curb the country's debt-fuelled growth. Although this should prove beneficial to the Chinese economy in the long-term, the transition could be painful in the short-term.

## **Emerging Market Currencies** Value versus the U.S. Dollar

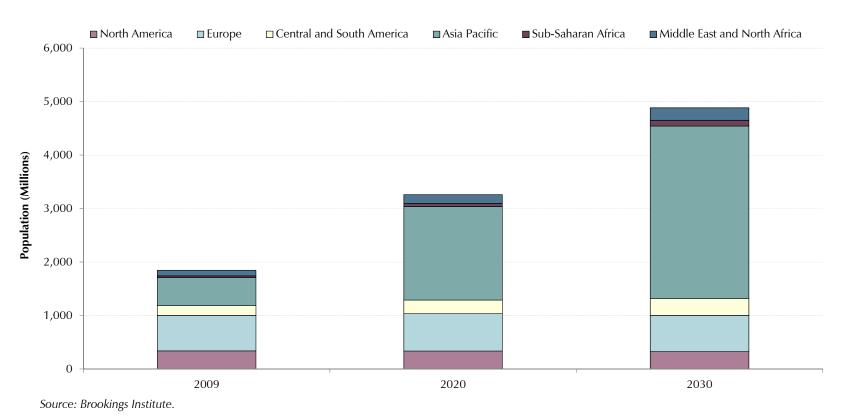


- Source: OANDA. Data is as of June 30, 2013. Data assumes a January 2008 base value of 100 for the Rupee, Yuan, Peso, and Real versus the U.S. Dollar.
- Emerging market currencies recently declined against the U.S. dollar as positions in "carry trades<sup>1</sup>" were unwound in light of rising U.S. interest rates.
- One exception was China, whose currency appreciated against the U.S. dollar, fueling speculation that the People's Bank of China may be moving toward a more flexible exchange rate policy.

A carry trade typically includes borrowing money in a low yielding currency and investing in the currencies or bonds of higher yielding currencies.



## Size of the Middle Class by Region: 2009 - 2030



- The size of the middle class is projected to grow by over 250% globally by the year 2030, with the largest growth forecast for emerging market countries.
- It is projected that close to 60% of the world's population will be middle class by 2030.
- As recently seen in Brazil, Turkey, and Egypt the growth of the emerging market middle class does not come without growing pains, as many begin to pay taxes and consequently demand more from their governments.



#### **Summary**

Four primary concerns face the global economy: 1) continued economic sluggishness and financial risk in Europe; 2) increasing real interest rates globally; 3) the potential for a rapid slowdown in China hurting other emerging economies; and 4) increased geopolitical tensions around the world.

- In the developed economies, we expect GDP growth to remain sluggish in 2013 due to increasing real interest rates, high unemployment, and fiscal austerity.
- Growth in emerging economies should remain higher than developed economies, but could be volatile in light of rising real interest rates and uncertainty related to China's public policy. Continued improvements in developed market growth should help export demand.
- Slow growth globally and an increase in interest rates should keep inflation subdued in the near-term. If central banks begin to reduce their historic monetary stimulus, inflationary pressures will further decline. The risk of deflation exists in developed economies, although small.
- Continued monetary stimulus in Europe, the emerging economies, the U.S., and Japan is likely going forward. If economic conditions continue to improve in the U.S. it is likely that the Federal Reserve will begin to decrease their bond purchase program.
- Further fiscal stimulus looks unlikely in 2013 in developed economies, as the political will declines in the face of high government debt levels. The exception is Japan, which pledged to increase fiscal spending to fight deflation.



June

2013

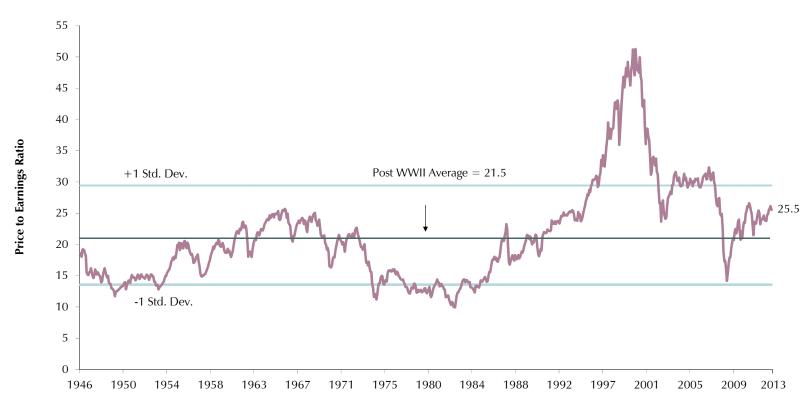
## **Capital Markets Outlook**

## Capital Markets Outlook<sup>1</sup>

- Investors are faced with three primary issues in the near-term: 1) historically low bond yields, 2) the potential for a transition into a rising rate environment, and 3) the potential for deteriorating earnings.
  - The price of the U.S. stock market relative to ten-year average earnings increased slightly from the beginning of the year, remaining above its historical average (25.5x versus 21.5x).
    - Small cap domestic stocks remain richly priced relative to large cap stocks.
  - Developed international and emerging market stocks are trading at lower valuations than U.S. stocks.
    - Sovereign debt issues and weak economic growth in Europe, and a cyclical slowdown in emerging economies, are weighing down valuations.
  - Uncertainties around global demand (particularly from emerging markets), stimulative monetary policy, and geopolitical tensions (e.g., Egypt) will likely cause heightened volatility.
  - At the end of June, the yield spreads on both high yield corporate bonds (4.9% versus 5.6%) and investment grade bonds (1.5% versus 1.6%) were slightly below their long-term averages.
  - At 2.5%, the yield on the ten-year Treasury remains far below its post-WWII average of 5.7%.
  - Low yields on fixed income instruments are likely to push long-term investors further out on the risk spectrum as they seek to achieve their target returns, while short-term investors may look to cash for safety.





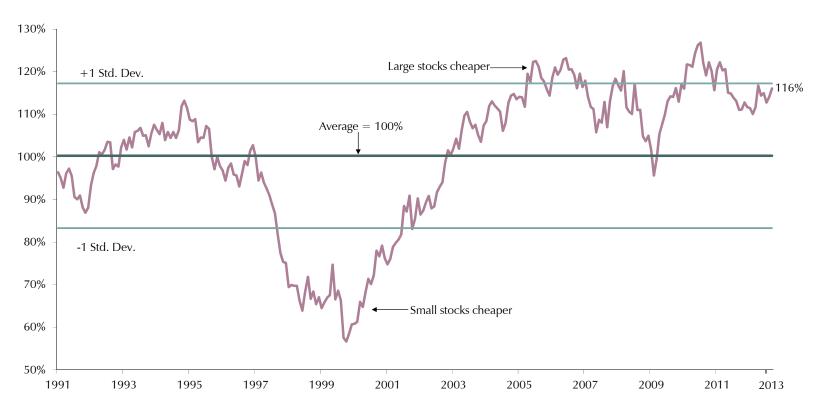


- The cyclically adjusted P/E ratio for the S&P 500 finished June at 25.5x, above its post-WWII average of 21.5x.
- Going forward, slowing revenue growth, rising interest rates, and a sluggish economic recovery could create headwinds for U.S. equities.

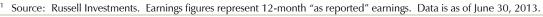
Source: Standard & Poor's. Earnings figures represent the average of monthly "as reported" earnings over the previous ten years. Data is as of June 30, 2013.



## Small Cap P/E vs. Large Cap P/E<sup>1</sup>

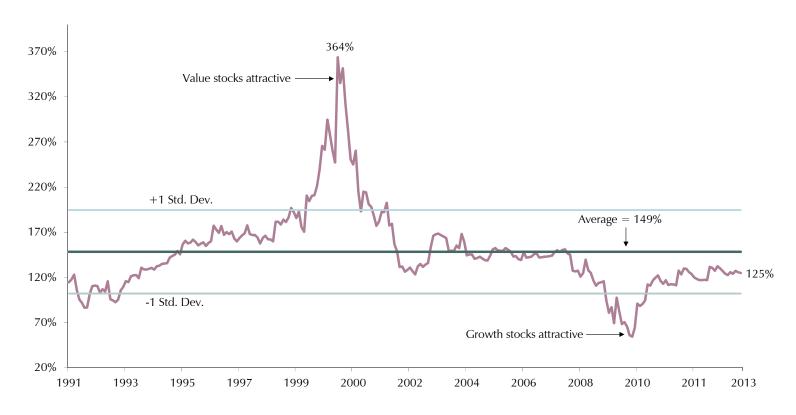


• The P/E ratio of small cap stocks (Russell 2000) relative to large cap stocks (Russell 1000) has declined from its early 2011 peak, but still remains above its long-term average, signaling potential underperformance of small cap stocks relative to large cap stocks.





#### Growth P/E vs. Value P/E<sup>1</sup>



- The P/E ratio of growth stocks (Russell 3000 Growth) relative to value stocks (Russell 3000 Value) finished June at 125%, well above its level three years prior, but still below its long-term average.
- Of note, the long-term average was sharply influenced by the technology bubble of the late 1990s.



## Developed International Equity Cyclically Adjusted P/E<sup>1</sup>

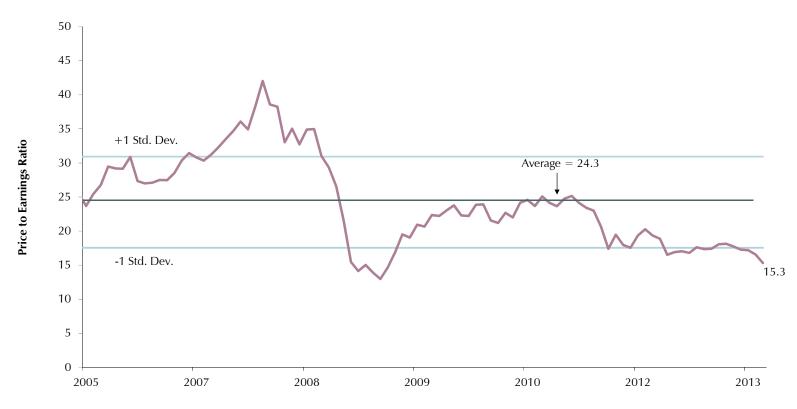


- Valuations (for the MSCI EAFE ex-Japan) remain more than one standard deviation cheaper than their historical average.
- Sovereign debt concerns and the slow to negative pace of economic growth in Europe likely account for the low valuation levels.

Source: MSCI and FactSet. Earnings figures represent the average of monthly "as reported" earnings over the previous ten years. Data is as of June 30, 2013.



## **Emerging Market Equity Cyclically Adjusted P/E<sup>1</sup>**



- Emerging market equities (MSCI Emerging Markets) are priced one standard deviation below their (brief) historical average.
- Emerging market equities are trading at lower valuations than U.S. equities, but at higher valuations than non-U.S. developed market equities.

Source: MSCI and FactSet. Earnings figures represent the average of monthly "as reported" earnings over the previous ten years. Data is as of June 30, 2013.







- Ten-year Treasury yields were 2.5% at the end of June, meaningfully above their level at the end of 2012 but well below their post-WWII average.
- Discussion from the Federal Reserve about "tapering" off U.S. quantitative easing was one of the causes of the increase in rates during the quarter.

#### Ten-Year Breakeven Inflation<sup>1</sup>



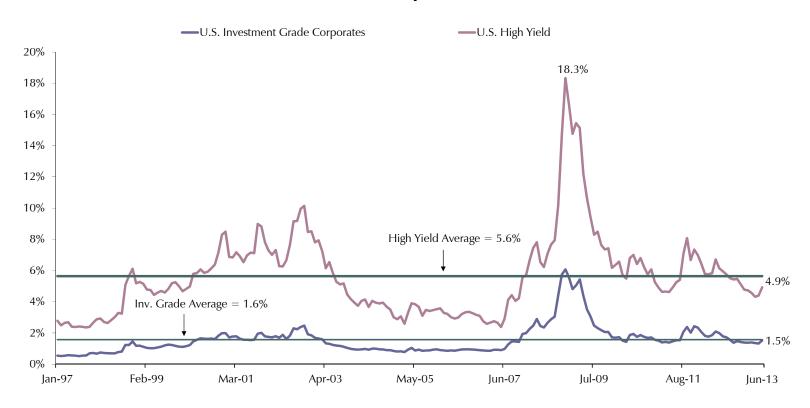
- Breakeven (or expected) inflation, the difference between the nominal yield on a ten-year Treasury and the real yield on a ten-year TIPS, was close to its historical average at the end of June.
- The inflation rate year over year was 1.3% at the end of May, as measured by the Consumer Price Index (CPI). This means actual inflation was 0.7% below the ten-year breakeven inflation rate.



Outlook

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### Credit Spreads<sup>1</sup>

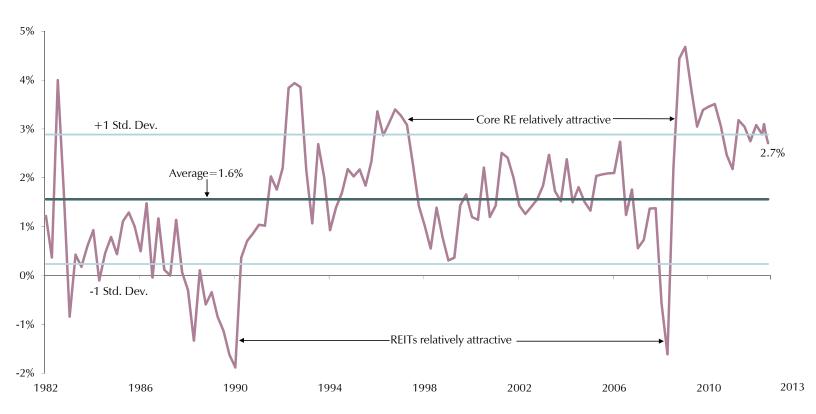


- Credit spreads (versus U.S. Treasury bonds) for both high yield and investment grade corporate bonds finished June below but closer to their respective historical averages when compared to the previous quarter.
- As markets anticipate diminished Quantitative Easing, bond yields may drift closer to their long term averages.

Source: Barclays Capital. High Yield is proxied by the Barclays High Yield index and Investment Grade Corporates are proxied by the Barclays U.S. Corporate Investment Grade index. Data is as of June 30, 2013.



#### Core Real Estate vs. REITs<sup>1</sup>

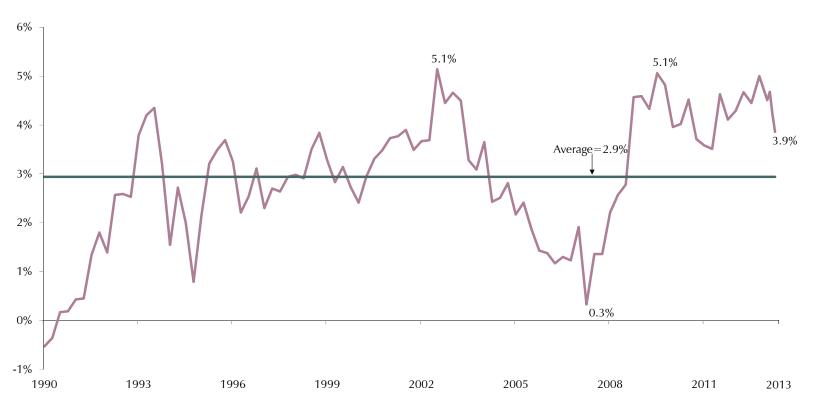


- At the end of June, the spread between core real estate cap rates and REIT yields was 2.7%, which is approximately one standard deviation above its long-term average.
- REITs were yielding 3.7% at the end of June, well below the 10.1% level of early 2009.

<sup>&</sup>lt;sup>1</sup> Sources: FactSet and NCREIF. Core Real Estate is proxied by the transaction-based cap rate for the NCREIF NPI index and REITs are proxied by the yield for the NAREIT Equity index. NPI transactional capitalization rates are calculated on a quarterly basis. June 30, 2013NCREIF NPI data is not yet available. Data is as of May 31, 2013, for the NCREIF NPI and June 30, 2013, for the NAREIT Equity index.



## Core Real Estate Spread vs. Ten-Year Treasury<sup>1</sup>

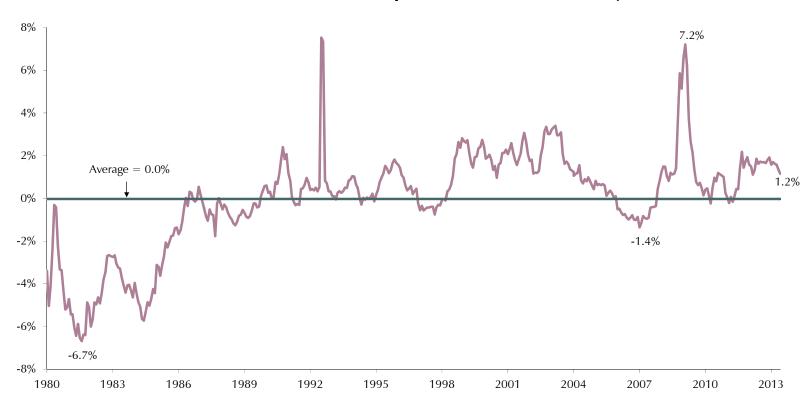


- At 3.9%, the difference between the 6.4% cap rate for core real estate and the 2.5% yield for the ten-year Treasury is above the historical average.
- Still, the absolute level of core real estate cap rates is near a historical low.

Source: NCREIF, U.S. Treasury. NPI transactional capitalization rates are calculated on a quarterly basis. The June 30, 2013 NCREIF NPI data is not yet available. Data is as of May 31, 2013, for the NCREIF NPI and June 30, 2013, for the ten-year Treasury.



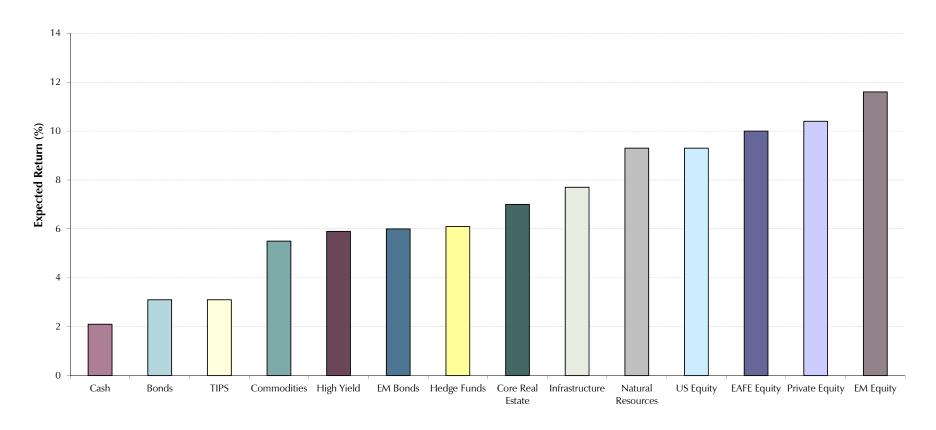
## **REITs Dividend Yield Spread vs. Ten-Year Treasury**<sup>1</sup>



- REIT yield spreads were 1.2% at the end of June as both rates continue to rise but recently the U.S. Treasury has risen at a faster pace.
- As with core real estate, the absolute level of REIT dividend yields is near a historical low.



## Long-Term Outlook<sup>1</sup>



• Based on Meketa Investment Group's long term expectations, only a handful of asset classes are priced to produce returns above 8% per year. All of these asset classes incorporate a high degree of volatility.

<sup>&</sup>lt;sup>1</sup> Twenty-year expected returns based upon Meketa Investment Group's 2013 Annual Asset Study.



## **Break Even Point for Changes in Interest Rates**<sup>1</sup>

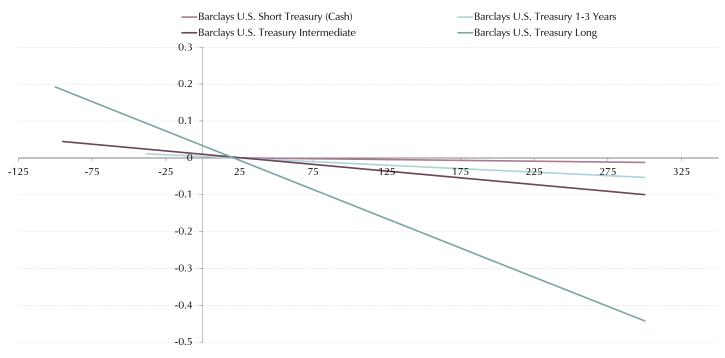
	Barclays Agg.	Barclays U.S. TIPS	Barclays U.S. Short Treasury	Barclays U.S. Treasury 1-3 Years	Barclays U.S. Treasury Intermediate	Barclays U.S. Treasury Long	Barclays U.S. Agg. Corp AA Long	Barclays U.S. Agg. Corp AA Intermediate
Barclays Agg.	NA	75	45	55	76	9	21	37
Barclays U.S. TIPS	75	NA	54	63	75	-10	2	62
Barclays U.S. Short Treasury	45	54	NA	19	27	21	NA	47
Barclays U.S. Treasury 1-3 Years	55	63	19	NA	34	21	31	65
Barclays U.S. Treasury Intermediate	76	75	27	34	NA	19	30	158
Barclays U.S. Treasury Long	9	-10	21	21	19	NA	-80	12
Barclays U.S. Agg. Corp AA Long	21	2	NA	31	30	-80	NA	23
Barclays U.S. Agg. Corp AA Intermediate	37	62	47	65	158	12	23	NA

Break even points represent the change in interest rates (in basis points) over a 12-month period for which the total return is equivalent assuming identical rate movements in both securities. Data is as of June 30, 2013 via Barclay's and Thomson Reuters.



#### **Capital Markets Outlook**

## **Total Return Given Changes in Interest Rates (bps)**<sup>1</sup>



	Total Return for Given Changes in Interest Rates (bps)							Statistics			
	-100	-50	0	50	100	150	200	250	300	Duration	YTW
Barclays U.S. Short Treasury (Cash)	NA	NA	0.10%	-0.12%	-0.35%	-0.57%	-0.80%	-1.02%	-1.25%	0.45	0.10
Barclays U.S. Treasury 1-3 Yr.	NA	NA	0.37%	-0.57%	-1.52%	-2.46%	-3.41%	-4.35%	-5.30%	1.89	1.50
Barclays U.S. Treasury Intermediate	NA	2.79%	0.96%	-0.86%	-2.69%	-4.51%	-6.34%	-8.16%	-9.98%	3.65	1.84
Barclays U.S. Treasury Long	19.22%	11.25%	3.30%	-4.65%	-12.58%	-20.51%	-28.43%	-36.34%	-44.23%	15.9	4.12

<sup>&</sup>lt;sup>1</sup> Data represents the expected total return from a given change in interest rates (shown in basis points) over a 12-month period assuming a parallel shift in rates. Data as of June 30, 2013 via Barclays and Thomson Reuters.



June

Outlook

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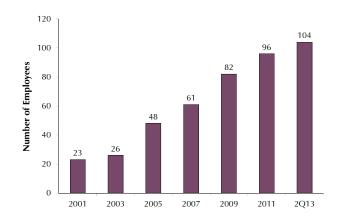
# Meketa Investment Group Corporate Update

#### **Meketa Investment Group** Firm Overview

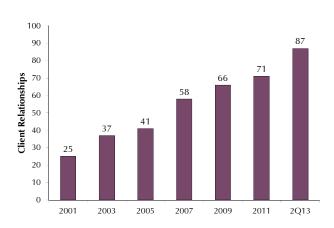
- Staff of 104, including 63 investment professionals and 20 CFA Charterholders
- 87 clients, with over 175 funds throughout the United States
- Significant investment in staff and resources
- Offices in Boston, Miami, and San Diego
- Clients have aggregate assets of over \$575 billion
  - Over \$20 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 3.2 million American families everyday



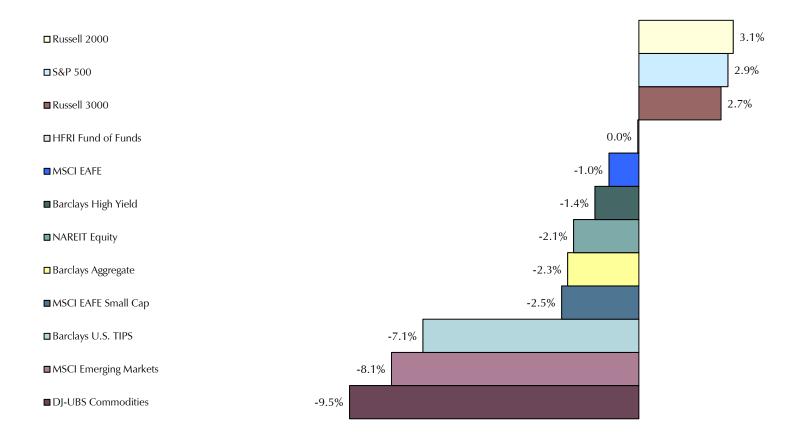
## Asset Classes Followed Intensively by Meketa Investment Group

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 As of March 31, 2013



### The World Markets Second Quarter of 2013



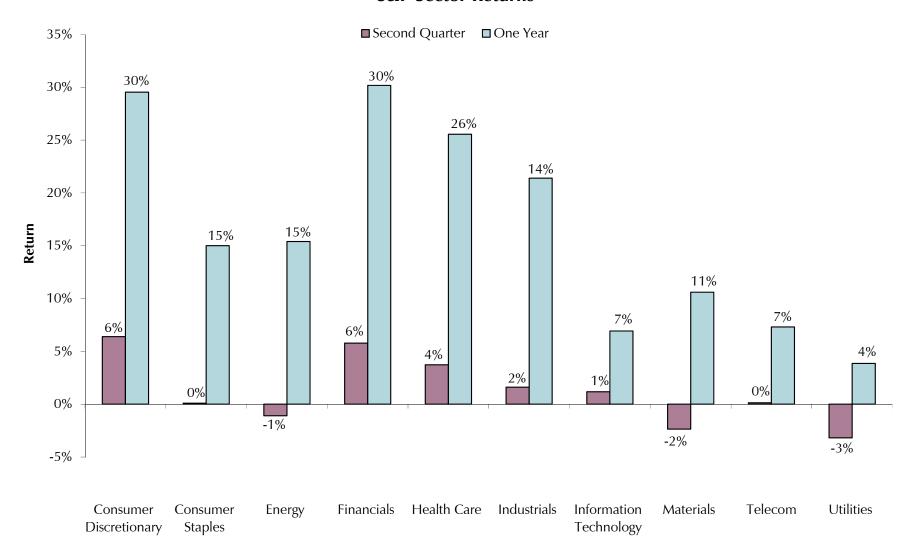


#### **Index Returns**

	2Q13 (%)	YTD (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
Domestic Equity						
Russell 3000	2.7	14.1	21.5	18.6	7.2	7.8
Russell 1000	2.7	13.9	21.2	18.6	7.1	7.7
Russell 1000 Growth	2.1	11.8	17.1	18.7	7.5	7.4
Russell 1000 Value	3.2	15.9	25.3	18.5	6.7	7.8
Russell MidCap	2.2	15.5	25.4	19.5	8.3	10.6
Russell MidCap Growth	2.9	14.7	22.9	19.5	7.6	9.9
Russell MidCap Value	1.7	16.1	27.7	19.5	8.9	10.9
Russell 2000	3.1	15.9	24.2	18.7	8.8	9.5
Russell 2000 Growth	3.7	17.4	23.7	20.0	8.9	9.6
Russell 2000 Value	2.5	14.4	24.8	17.3	8.6	9.3
Foreign Equity						
MSCI ACWI (ex. U.S.)	-3.1	0.0	13.6	8.0	-0.8	8.6
MSCI EAFE	-1.0	4.1	18.6	10.0	-0.6	7.7
MSCI EAFE (local currency)	1.2	11.0	24.9	9.0	1.2	6.1
MSCI EAFE Small Cap	-2.5	5.7	20.9	11.9	2.5	10.4
MSCI Emerging Markets	-8.1	-9.6	2.9	3.4	-0.4	13.7
MSCI Emerging Markets (local currency)	-4.4	-4.9	6.1	5.0	2.1	13.2
Fixed Income						
Barclays Universal	-2.4	-2.3	0.2	4.1	5.5	4.8
Barclays Aggregate	-2.3	-2.4	-0.7	3.5	5.2	4.5
Barclays U.S. TIPS	-7.1	-7.4	-4.8	4.6	4.4	5.2
Barclays High Yield	-1.4	1.4	9.5	10.7	10.9	8.9
JPMorgan GBI-EM Global Diversified	-7.0	-7.2	1.3	6.0	6.7	10.3
Other						
NAREIT Equity	-2.1	5.8	10.2	18.5	7.7	11.0
DJ-UBS Commodities	-9.5	-10.5	-8.1	-0.3	-11.8	1.2
HFRI Fund of Funds	0.0	3.3	7.2	3.0	-0.6	3.4



#### **S&P Sector Returns**





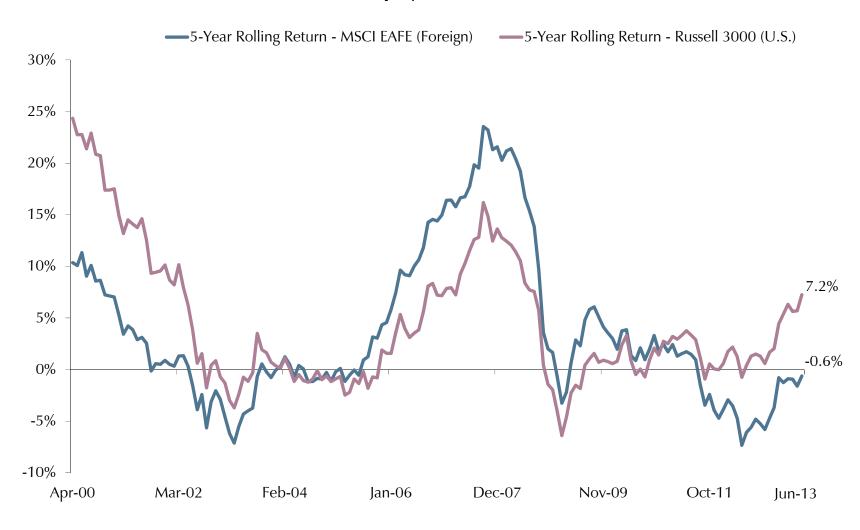
## **S&P 500 Earnings Per Share**<sup>1</sup>



<sup>&</sup>lt;sup>1</sup> The June 30, 2013 number is based on the approximately 91% of S&P 500 companies that reported earnings to date.



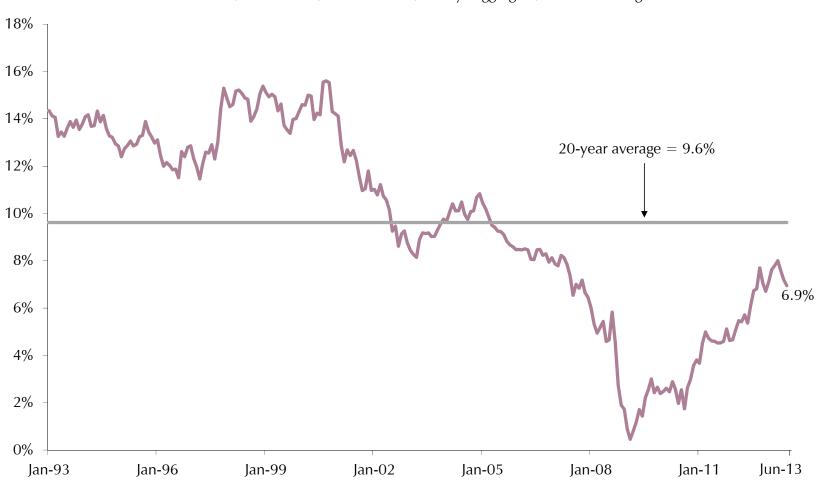
#### **Equity Markets**





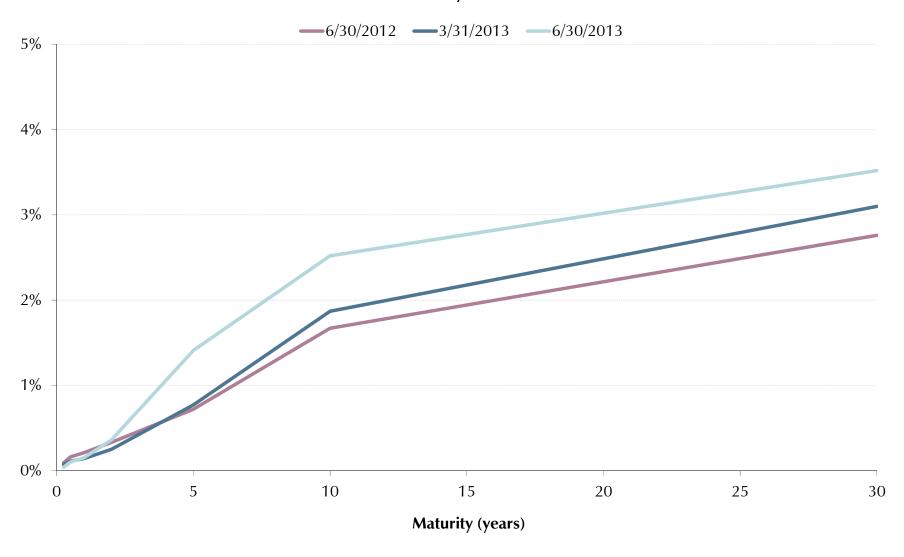
#### **Rolling Ten-Year Returns: 65% Stocks and 35% Bonds**

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





## **Treasury Yields**





Barclays Aggregate

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





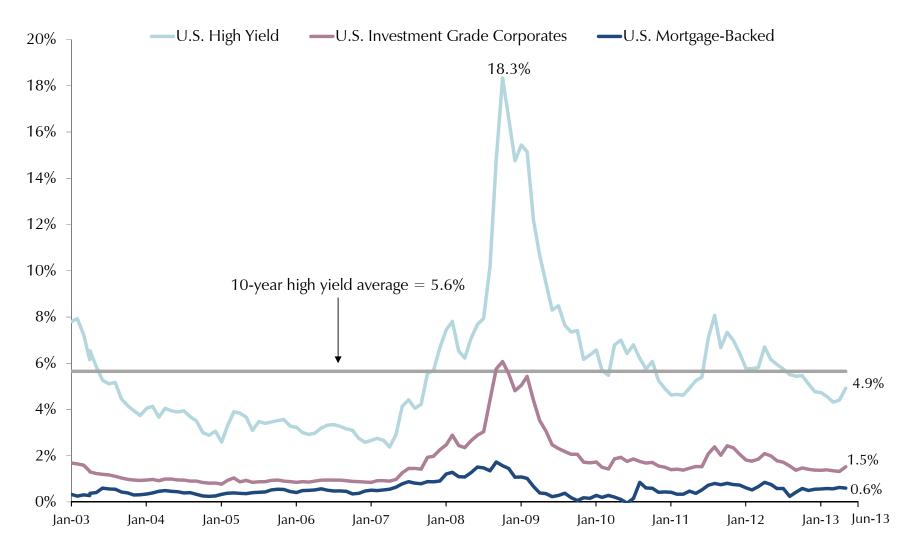
Barclays High Yield

Barclays Mortgage

Barclays U.S. TIPS

90-Day T-Bills

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





#### Real Gross Domestic Product (GDP) Growth

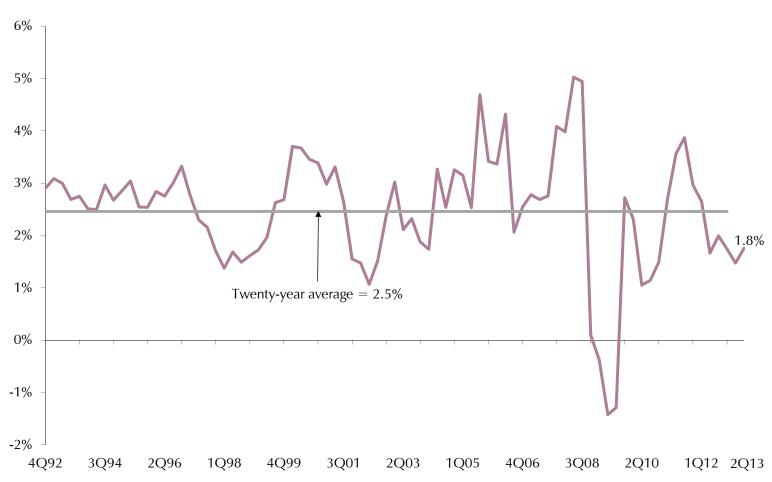
Quarterly Real GDP (Annualized) — 12 Month Trailing Real GDP 10% 8% 6% 4% 2% 0% -2% -4% -6% -8% -10%



2Q13

1Q80 2Q82 3Q84 4Q86 1Q89 2Q91 3Q93 4Q95 1Q98 2Q00 3Q02 4Q04 1Q07 2Q09 3Q11 2Q13

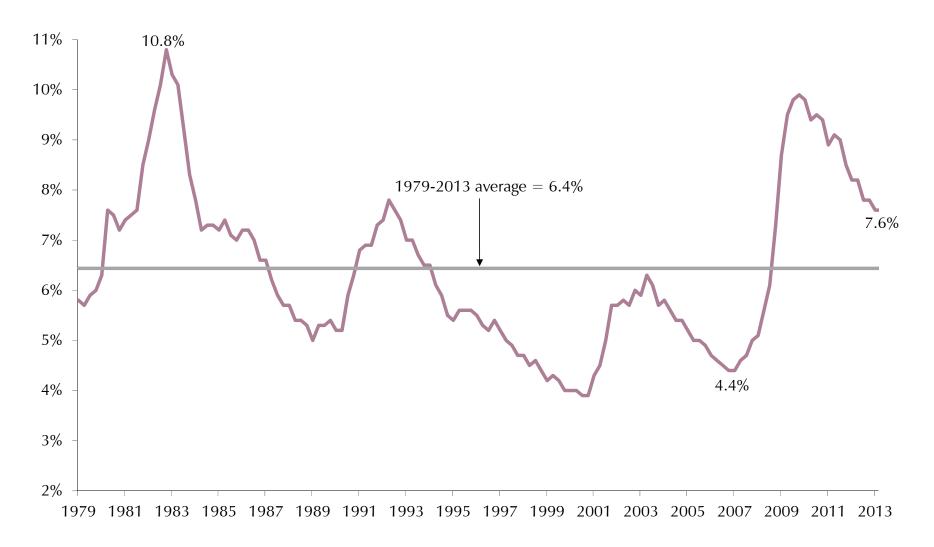
U.S. Inflation (CPI)
Trailing Twelve Months<sup>1</sup>



<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 6/30/13

Glossary and Notes As of June 30, 2013



#### San Jose Federated City Employees' Retirement System

### 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



#### San Jose Federated City Employees' Retirement System

#### 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.



## San Jose Federated City Employees' Retirement System

#### **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.

