TEACHERS' RETIREMENT SYSTEM OF OKLAHOMA
Investment Committee Meeting
Tuesday, May 20, 2014 – 3:00 PM
TRS Administration Board Room
2500 N. Lincoln Blvd., 5th Floor, Oklahoma City, OK

AGENDA

1. **CALL TO ORDER**

2. **DISCUSSION AND POSSIBLE ACTION ON INVESTMENT CONSULTANT MONTHLY REPORT**

3. **DISCUSSION AND POSSIBLE ACTION ON MANAGER STATUS REPORT**

4. **DISCUSSION AND POSSIBLE ACTION ON INVESTMENT CONSULTANT QUARTERLY REPORT**

5. **DISCUSSION AND POSSIBLE ACTION ON REAL ESTATE SEARCHES**

6. **DISCUSSION AND POSSIBLE ACTION ON L&B NON-CORE PORTFOLIO**

7. **DISCUSSION AND POSSIBLE ACTION ON ING 403(b) CONTRACT**

8. **QUESTIONS AND COMMENTS FROM TRUSTEES**

9. **ADJOURNMENT**

ALL BOARD MEMBERS ARE ENCOURAGED TO ATTEND INVESTMENT COMMITTEE MEETINGS

INVESTMENT COMMITTEE:
Chair: Bill Peacher
Members: James Dickson, Roger Gaddis, Jill Geiger, Vernon Florence, Gary Trennepohl

April 2014 - Market Performance Update

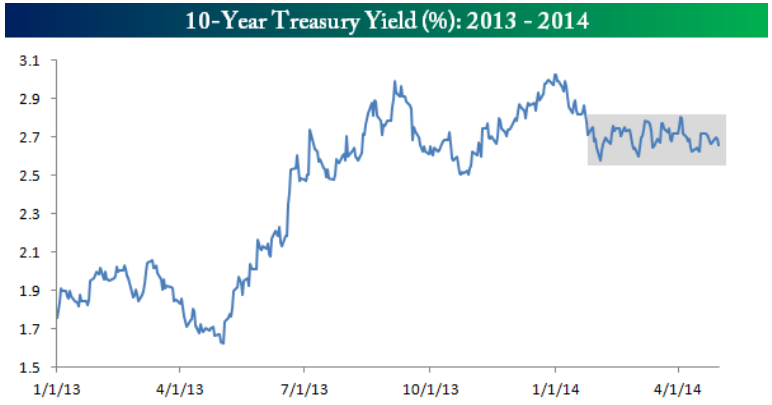
Mixed Returns During April

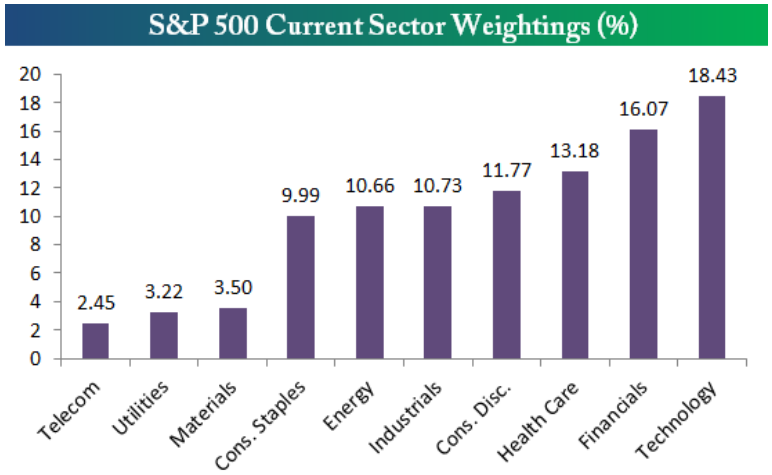
Equity Total Returns

Index	Last Month	Last Year	Last 3 Years	Last 5 Years
Dow Jones Industrial Average	0.9	14.4	11.9	18.3
NASDAQ (prc chg only)	-2.0	23.6	12.7	19.1
S&P 500 cap weighted	0.7	20.4	13.8	19.1
S&P 500 equal weighted	0.4	23.1	14.3	22.4
S&P Mid Cap	-1.6	18.6	11.8	21.1
S&P Small Cap	-2.8	24.6	13.9	21.5
S&P REIT	3.4	0.9	9.8	22.7
Alerian MLP	4.3	12.1	13.9	25.7
Russell 1000 Growth	0.0	20.7	13.4	19.5
Russell 1000 Value	1.0	20.9	14.2	19.5
Russell Mid Cap Growth	-1.5	20.6	11.6	21.1
Russell Mid Cap Value	0.4	22.1	14.4	22.6
Russell 2000 Growth	-5.1	21.5	10.3	20.5
Russell 2000 Value	-2.6	19.6	11.2	19.1
Russell Top 200	0.9	20.6	14.1	18.6
Russell 1000	0.5	20.8	13.8	19.5
Russell Mid Cap	-0.6	21.3	13.1	21.9
Russell 2500	-2.3	20.8	12.0	21.2
Russell 2000	-3.9	20.5	10.7	19.8
MSCI World Ex US	1.6	13.1	5.0	13.5
MSCI World Ex US Growth	0.9	11.0	4.4	13.6
MSCI World Ex US Value	2.3	15.3	5.5	13.3
MSCI EAFE	1.5	13.4	5.7	13.6
MSCI Emerging Markets	0.3	-1.8	-3.7	11.1

Bond Total Returns

Index	Last Month	Last Year	Last 3 Years	Last 5 Years
BC T-Bills	0.0	0.0	0.1	0.1
BC Long Treasury	2.0	-6.0	8.4	6.4
BC US Agg	0.8	-0.3	3.6	4.9





The instability in Ukraine plus uncertain economics kept investors on their toes during April. Share price volatility remained elevated as first quarter earnings reporting season grabbed headlines. Slowing growth in China's economy also worried investors. The domestic equity market was mixed. International equities provided positive returns. Developed markets outperformed emerging markets.

Domestic stock index returns varied widely during the month. Larger was definitely better while value outperformed growth. High momentum stocks, which led the market during 2013, suffered punishing losses.

Long dated Treasuries outperformed the core bond market again during April. Investors remained interested in long-term Treasury bonds due to heightened uncertainty in equity markets and international economics. Short term interest rates remain locked near zero.

Gregory W Group

Manager Profile - Frontier Capital Management

Oklahoma Teachers Retirement System

Asset Class:	Small Cap Value Equity
Status:	In Compliance
Portfolio Size:	$157,138,449
Inception Date:	6/1/2013
Location:	Boston, Massachusetts
Structure:	Affilliate of AMG, remainder employee owned
Portfolio Management Team:	Thomas (T.J.) W. Duncan, Jr

Notes:

Frontier Capital Management Company, LLC is a Boston-based investment management firm. Founded in 1980, the firm manages $13.3 billion in client assets in small, small/mid, mid and all cap U.S. equity strategies. Nearly all of the assets at Frontier are managed for institutional clients. They do not manage any hedge funds or proprietary mutual funds.

Represented by: Thomas (T.J.) W. Duncan, Jr
Christopher W. Premock

Total Firm AUM: $13.3 Billion
Small Cap AUM: $1.9 Billion

Return Profile	Since Inception	Last 5 Years	Last 3 Years	Last Year	Last Quarter	Last Month
Frontier	17.5	-	-	-	5.1	-1.5
Russell 2000 Value	16.1	19.1	11.2	19.6	3.2	-2.6

Risk Characteristics	Number of Holdings	Average Mkt Cap	Dividend Yield	P/E Ratio	P/B Ratio
Frontier	79	2100	1.1%	17.4	2.1
Russell 2000 Value	-	1270	2.2%	17.8	1.5

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Manager Profile - Geneva Capital Management

Oklahoma Teachers Retirement System

Asset Class:	Small Cap Growth Equity
Status:	In Compliance
Portfolio Size:	$181,793,146
Inception Date:	6/1/2013
Location:	Milwaukee, Wisconsin
Structure:	100% employee owned
Portfolio Management Team:	Amy S. Croen William A. Priebe Michelle J. Picard W. Scott Priebe
Represented by:	Michelle J. Picard Amy S. Croen

Notes:

Geneva Capital Management Ltd. is an investment advisory firm offering portfolio management services to institutions and high-net worth individuals. Founded more than 25 years ago Geneva is 100% employee owned and is located in Milwaukee, Wisconsin. Geneva specializes in Midcap and Smallcap Growth equity investments.

Total Firm AUM: $6.3 Billion
Total Small Cap AUM: $1.1 Billion

Return Profile	Since Inception	Last 5 Years	Last 3 Years	Last Year	Last Quarter	Last Month
Geneva	14.2	-	-	-	-6.1	-4.8
Russell 2000 Growth	15.6	20.5	10.3	21.5	-3.0	-5.1

Risk Characteristics	Number of Holdings	Average Mkt Cap	Dividend Yield	P/E Ratio	P/B Ratio
Geneva	53	2700	0.4%	32.3	4.0
Russell 2000 Growth	-	1622	0.7%	32.6	3.7

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Monthly Asset Allocation Review

Oklahoma Teachers Retirement System

Asset Class	Total Market Value	Current Percentage	New Target Percentage	Difference	Notes
All Cap/Large Cap	2,845,937,023	21.0%	17.0%	4.0%	Excess allocation bound for Private Equity and Real Estate
Mid Cap	1,945,328,689	14.3%	13.0%	**1.3%**	
Small Cap	1,381,303,322	10.2%	10.0%	0.2%	
Total Domestic Equity	**6,172,569,034**	**45.4%**	**40.0%**	**5.4%**	
Large Cap International Equity	1,453,864,754	10.7%	**11.5%**	-0.8%	
Small Cap International Equity	834,193,335	6.1%	**6.0%**	0.1%	
Total International Equity	**2,288,058,089**	**16.8%**	**17.5%**	-0.7%	
Core Fixed Income	**2,072,940,907**	**15.3%**	**17.5%**	**-2.2%**	
High Yield Bonds	767,362,720	5.7%	6.0%	-0.3%	
MLPs	1,077,157,799	7.9%	7.0%	0.9%	
Private Equity	345,007,380	2.5%	5.0%	-2.5%	
Real Estate	576,546,442	4.2%	7.0%	-2.8%	Two searches underway
Opportunistic Assets	175,862,221	1.3%	0.0%	1.3%	
Total Non-Core Assets	**2,941,936,562**	**21.7%**	**25.0%**	**-3.3%**	
Cash	**105,492,168**	**0.8%**	**0.0%**	0.8%	
Composite	**13,581,061,534**	**100.0%**	**100.0%**	**0.0%**	

Total Fund + Class Composite Summary

As of April 30, 2014

Oklahoma Teachers Retirement System

	Market Value	Inception Date	Time Since Inception (Years)	Since Inception	10 Years	5 Years	3 Years	1 Year	Fiscal YTD	Last Quarter	Last Month
Total Fund (Gross of Fees)	**13,581,061,534**	**12/1/1991**	**22.4**	**9.8**	**8.8**	**16.2**	**11.3**	**16.5**	**17.2**	**4.9**	**0.5**
Total Fund (Net of Fees)				**9.4**	**8.4**	**15.8**	**10.9**	**16.1**	**16.8**	**4.8**	**0.4**
Allocation Index				*9.5*	*7.6*	*14.8*	*9.5*	*12.6*	*13.7*	*3.9*	*0.3*
Actuarial Assumption				*8.0*	*8.0*	*8.0*	*8.0*	*8.0*	*6.6*	*1.9*	*0.6*
Total Domestic Equity	**6,172,569,034**	**4/1/1990**	**24.1**	**11.0**	**9.1**	**20.4**	**13.6**	**24.6**	**21.3**	**5.3**	**-0.5**
S&P 500	***45.4%***			*9.7*	*7.7*	*19.1*	*13.8*	*20.4*	*19.3*	*6.2*	*0.7*
Total All Cap Equity	**886,946,547**	**9/1/2006**	**7.7**	**7.3**	**-**	**18.7**	**11.8**	**20.0**	**17.3**	**5.5**	**-0.6**
Russell 3000	***6.5%***			*7.5*	*-*	*19.5*	*13.5*	*20.8*	*19.5*	*5.4*	*0.1*
Total Large Cap Active Equity	**1,078,084,387**	**1/1/1995**	**19.3**	**10.6**	**8.0**	**19.8**	**16.8**	**24.3**	**22.4**	**7.2**	**0.5**
S&P 500	***7.9%***			*9.6*	*7.7*	*19.1*	*13.8*	*20.4*	*19.3*	*6.2*	*0.7*
Total Mid Cap Equity	**1,945,328,689**	**11/1/1998**	**15.5**	**10.6**	**11.4**	**23.1**	**13.8**	**27.6**	**23.3**	**5.4**	**-1.0**
Russell Mid Cap	***14.3%***			*9.8*	*10.4*	*21.9*	*13.1*	*21.3*	*20.2*	*5.0*	*-0.6*
Total Small Cap Equity	**1,381,303,322**	**2/1/1998**	**16.3**	**9.6**	**9.5**	**19.7**	**11.0**	**28.0**	**21.5**	**2.7**	**-1.3**
Russell 2000	***10.2%***			*7.5*	*8.7*	*19.8*	*10.7*	*20.5*	*16.5*	*0.0*	*-3.9*
Total International Equity	**2,288,058,089**	**2/1/1998**	**16.3**	**9.3**	**7.7**	**13.9**	**5.8**	**13.1**	**17.6**	**3.5**	**-0.2**
MSCI ACWI ex-US	***16.8%***			*-*	*8.1*	*13.4*	*3.4*	*10.2*	*17.8*	*6.9*	*1.4*
Core Fixed Income *(ex- High Yield)*	**2,072,940,907**	**4/1/1990**	**24.1**	**7.3**	**6.7**	**8.1**	**6.8**	**1.0**	**5.9**	**2.8**	**1.1**
Barclays Aggregate	***15.3%***			*-*	*4.8*	*4.9*	*3.6*	*-0.3*	*3.1*	*1.2*	*0.8*
Master Limited Partnerships	**1,077,157,799**	**2/28/2011**	**3.2**	**21.8**	**-**	**-**	**21.5**	**26.1**	**23.1**	**10.4**	**3.6**
Alerian MLP Index	***7.9%***			*14.9*	*-*	*-*	*13.9*	*12.1*	*11.0*	*5.6*	*4.3*
High Yield Bonds	**767,362,720**	**2/1/2009**	**5.2**	**16.0**	**-**	**15.0**	**8.5**	**6.4**	**10.0**	**3.4**	**0.8**
ML High Yield II	***5.7%***			*17.3*	*-*	*15.8*	*8.4*	*6.3*	*9.8*	*2.9*	*0.7*
Core Real Estate	**576,546,442**	**4/1/2011**	**3.1**	-	-	-	-	-	-	-	-
NCREIF	***4.2%***			*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
Cash	**105,492,168**	**4/1/1990**	**24.1**	-	-	-	-	-	-	-	-
91 Day T-bill	***0.8%***			*-*	*1.6*	*0.1*	*0.1*	*0.1*	*0.0*	*0.0*	*0.0*

Equity Portfolios Summary
As of April 30, 2014

Oklahoma Teachers Retirement System

	Market Value	Inception Date	Time Since Inception (Years)	Since Inception	10 Years	5 Years	3 Years	1 Year	Fiscal YTD	Last Quarter	Last Month
All Cap / Large Cap Domestic											
Hotchkis & Wiley Large Cap	**569,914,399**	**4/1/1990**	**24.1**	11.3	7.8	23.1	17.2	27.2	23.6	9.8	0.7
Russell 1000 Value	**4.2%**			*10.3*	*8.0*	*19.5*	*14.2*	*20.9*	*18.9*	*7.8*	*1.0*
Sawgrass	**508,169,988**	**7/1/2006**	**7.8**	8.7	-	19.2	15.8	21.2	21.0	4.4	0.2
Russell 1000 Growth	**3.7%**			*8.8*	*-*	*19.5*	*13.4*	*20.7*	*20.7*	*4.1*	*0.0*
ARI All Cap	**444,338,813**	**9/1/2006**	**7.7**	6.5	-	18.4	11.9	19.3	16.5	6.1	-0.2
Russell 3000 Value	**3.3%**			*7.5*	*-*	*19.5*	*13.5*	*20.8*	*19.5*	*5.4*	*0.1*
EPOCH All Cap	**442,607,735**	**9/1/2006**	**7.7**	7.9	-	18.9	11.7	20.7	18.1	4.9	-0.9
Russell 3000 Value	**3.3%**			*7.5*	*-*	*19.5*	*13.5*	*20.8*	*19.5*	*5.4*	*0.1*
Passive Domestic Equity											
NT Cap Weighted Passive	**429,296,130**	**4/1/2012**	**2.1**	17.9	-	-	-	20.1	19.0	6.3	0.8
S&P 500 Cap Weighted	**3.2%**			*17.5*	*7.7*	*19.1*	*13.8*	*20.4*	*19.3*	*6.2*	*0.7*
SSGA Eq Weighted Passive	**451,609,958**	**4/1/2012**	**2.1**	21.1	-	-	-	23.0	21.0	6.6	0.5
S&P 500 Equal Weighted	**3.3%**			*-*	*10.1*	*22.4*	*14.3*	*23.1*	*-*	*6.5*	*0.4*
Mid Cap Domestic Equity											
Frontier Capital	**491,876,209**	**6/1/2002**	**11.9**	10.6	11.6	19.9	12.1	22.5	21.8	3.0	-2.2
Russell Mid Cap Growth	**3.6%**			*9.4*	*9.6*	*21.1*	*11.6*	*20.6*	*19.0*	*2.8*	*-1.5*
Wellington Management	**450,638,008**	**9/1/1998**	**15.7**	10.9	10.3	20.6	9.1	32.8	25.9	4.3	-0.9
Russell Mid Cap Growth	**3.3%**			*9.0*	*9.6*	*21.1*	*11.6*	*20.6*	*19.0*	*2.8*	*-1.5*
AJO Partners	**507,868,871**	**8/1/1998**	**15.8**	11.3	11.1	23.3	15.3	26.9	24.0	6.0	-0.3
Russell MidCap	**3.7%**			*9.4*	*10.4*	*21.9*	*13.1*	*21.3*	*20.2*	*5.0*	*-0.6*
Hotchkis & Wiley Mid Cap	**494,945,601**	**8/1/2002**	**11.8**	14.9	12.1	29.0	18.7	28.6	21.9	8.3	-0.7
Russell MidCap Value	**3.6%**			*12.0*	*10.8*	*22.6*	*14.4*	*22.1*	*21.5*	*7.5*	*0.4*
Small Cap Domestic Equity											
Shapiro Capital Management	**652,715,975**	**2/1/1998**	**16.3**	11.0	12.9	24.7	14.9	35.1	28.2	5.6	0.8
Russell 2000	**4.8%**			*-*	*8.7*	*19.8*	*10.7*	*20.5*	*16.5*	*0.0*	*-3.9*
Geneva Capital	**181,793,146**	**6/1/2013**	**0.9**	14.2	-	-	-	-	14.0	-6.1	-4.8
Russell 2000 Growth	**1.3%**			*15.6*	*-*	*-*	*-*	*21.5*	*16.3*	*-3.0*	*-5.1*
Wasatch Advisors	**178,359,938**	**6/1/2013**	**0.9**	10.4	-	-	-	-	13.1	2.0	-2.7
Russell 2000 Growth	**1.3%**			*15.6*	*-*	*-*	*-*	*21.5*	*16.3*	*-3.0*	*-5.1*
Cove Street Capital	**102,177,968**	**6/1/2013**	**0.9**	12.8	-	-	-	-	14.4	0.4	-3.1
Russell 2000 Value	**0.8%**			*16.1*	*-*	*-*	*-*	*19.6*	*16.6*	*-2.6*	*-0.8*
Frontier Capital	**157,138,449**	**6/1/2013**	**0.9**	17.5	-	-	-	-	22.0	5.1	-1.5
Russell 2000 Value	**1.2%**			*16.1*	*-*	*-*	*-*	*19.6*	*16.6*	*-2.6*	*-0.8*
Neumeier Poma	**109,117,846**	**6/1/2013**	**0.9**	18.1	-	-	-	-	17.3	1.6	-3.6
Russell 2000 Value	**0.8%**			*16.1*	*-*	*-*	*-*	*19.6*	*16.6*	*-2.6*	*-0.8*
International Large Cap Equity											
Causeway Capital	**545,687,717**	**5/1/2003**	**11.0**	11.1	8.2	15.8	6.5	15.7	19.2	5.7	0.6
MSCI ACWI Ex US	**4.0%**			*10.3*	*7.6*	*12.9*	*3.0*	*9.8*	*17.5*	*6.7*	*1.3*
International Transition Account	***7,901***	**-**	**-**	-	-	-	-	-	-	-	-
MSCI ACWI Ex US	***0.0%***			*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
Northern Trust Passive	**435,584,179**	**9/1/2013**	**0.7**	8.7	-	-	-	-	-	6.7	1.5
MSCI EAFE	**3.2%**			*15.9*	*6.9*	*13.6*	*5.7*	*13.4*	*20.4*	*6.4*	*1.5*
Thornburg	**472,578,319**	**12/1/2005**	**8.4**	6.8	-	12.5	1.3	5.5	10.5	2.5	0.2
MSCI ACWI Ex US	**3.5%**			*5.5*	*7.6*	*12.9*	*3.0*	*9.8*	*17.5*	*6.7*	*1.3*
International Small Cap Equity											
ARI Small Cap International	**213,651,147**	**12/1/2011**	**2.4**	20.8	-	-	-	19.9	23.1	6.4	0.7
MSCI EAFE Small Cap	**1.6%**			*20.2*	*8.8*	*18.1*	*7.3*	*18.0*	*25.4*	*4.1*	*-0.8*
Epoch Small Cap International	**213,898,953**	**12/1/2011**	**2.4**	20.2	-	-	-	22.2	26.3	4.7	-1.7
MSCI EAFE Small Cap	**1.6%**			*20.2*	*8.8*	*18.1*	*7.3*	*18.0*	*25.4*	*4.1*	*-0.8*
Wasatch Small Cap International	**195,772,598**	**12/1/2011**	**2.4**	23.7	-	-	-	7.5	13.5	0.8	-1.6
MSCI EAFE Small Cap	**1.4%**			*20.2*	*8.8*	*18.1*	*7.3*	*18.0*	*25.4*	*4.1*	*-0.8*
Wellington Small Cap International	**210,870,638**	**12/1/2011**	**2.4**	25.1	-	-	-	19.7	23.5	2.0	-1.6
MSCI EAFE Small Cap	**1.6%**			*20.2*	*8.8*	*18.1*	*7.3*	*18.0*	*25.4*	*4.1*	*-0.8*

Fixed Income Portfolios Summary

As of April 30, 2014

Oklahoma Teachers Retirement System

	Market Value	Inception Date	Time Since Inception (Years)	Since Inception	10 Years	5 Years	3 Years	1 Year	Fiscal YTD	Last Quarter	Last Month
Core Fixed Income											
Loomis Sayles	**603,573,269**	**8/1/1999**	**14.8**	7.2	7.9	10.3	7.0	2.0	7.3	3.4	1.1
Barclays Aggregate	***4.4%***			*5.6*	*4.8*	*4.9*	*3.6*	*-0.3*	*3.1*	*1.2*	*0.8*
Lord Abbett	**593,722,849**	**11/1/2004**	**9.5**	6.2	-	7.8	5.6	1.0	4.8	2.1	1.0
Barclays Aggregate	***4.4%***			*4.6*	*-*	*4.9*	*3.6*	*-0.3*	*3.1*	*1.2*	*0.8*
Mackay Shields	**600,696,123**	**11/1/2004**	**9.5**	6.5	-	8.3	6.2	2.1	5.5	2.0	0.7
Barclays Aggregate	***4.4%***			*4.6*	*-*	*4.9*	*3.6*	*-0.3*	*3.1*	*1.2*	*0.8*
Active Duration Fixed Income											
Hoisington	**274,948,666**	**11/1/2004**	**9.5**	7.7	-	7.3	11.0	-7.6	4.3	4.7	2.5
Barclays Aggregate	***2.0%***			*4.6*	*-*	*4.9*	*3.6*	*-0.3*	*3.1*	*1.2*	*0.8*
High Yield Fixed Income											
Loomis Sayles High Yield	**254,949,432**	**2/1/2009**	**5.2**	16.1	-	14.8	6.9	4.5	9.5	3.9	0.8
Merrill Lynch High Yield II	***1.9%***			*17.3*	*-*	*15.8*	*8.4*	*6.3*	*9.8*	*2.9*	*0.7*
Lord Abbett High Yield	**256,381,987**	**2/1/2009**	**5.2**	17.0	-	16.3	9.8	8.2	11.4	3.5	0.9
Merrill Lynch High Yield II	***1.9%***			*17.3*	*-*	*15.8*	*8.4*	*6.3*	*9.8*	*2.9*	*0.7*
Mackay Shields High Yield	**256,031,301**	**2/1/2009**	**5.2**	15.0	-	13.7	8.8	6.4	9.0	2.9	0.6
Merrill Lynch High Yield II	***1.9%***			*17.3*	*-*	*15.8*	*8.4*	*6.3*	*9.8*	*2.9*	*0.7*

Non-Traditional Portfolios Summary

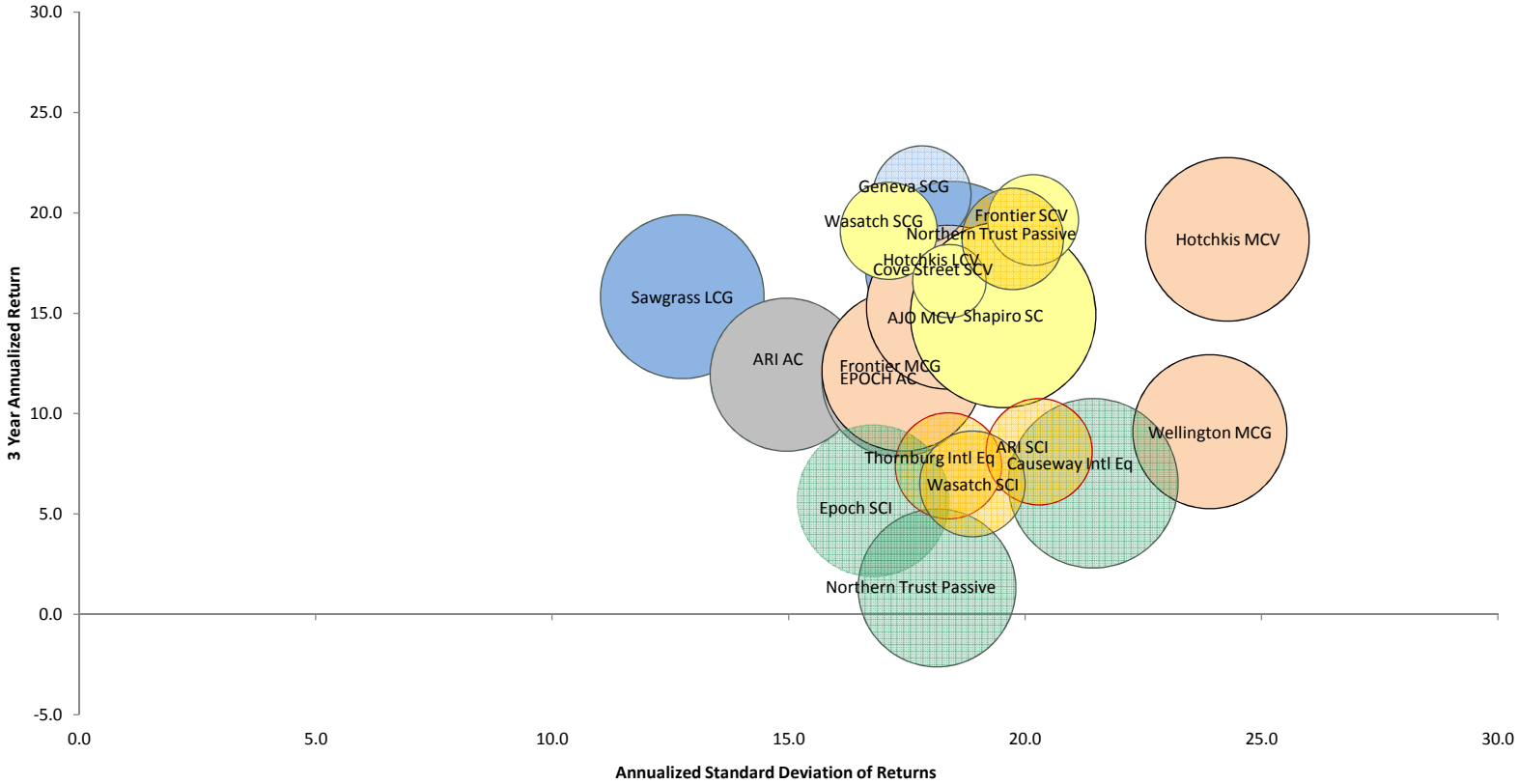
As of April 30, 2014

Oklahoma Teachers Retirement System

	Market Value	Inception Date	Time Since Inception (Years)	Since Inception	10 Years	5 Years	3 Years	1 Year	Fiscal YTD	Last Quarter	Last Month
Master Limited Partnerships											
Chickasaw Capital MLP	**367,298,938**	**2/28/2011**	**3.2**	29.9	-	-	30.2	35.0	32.3	11.9	4.0
Alerian MLP Index	***2.7%***			*14.9*	-	-	*13.9*	*12.1*	*11.0*	*5.6*	*4.3*
Cushing MLP Management	**361,105,883**	**2/28/2011**	**3.2**	23.0	-	-	22.6	31.4	27.8	11.5	3.7
Alerian MLP Index	***2.7%***			*14.9*	-	-	*13.9*	*12.1*	*11.0*	*5.6*	*4.3*
FAMCO MLP	**348,752,977**	**2/28/2011**	**3.2**	15.7	-	-	15.4	16.3	13.5	7.7	3.1
Alerian MLP Index	***2.6%***			*14.9*	-	-	*13.9*	*12.1*	*11.0*	*5.6*	*4.3*
Private Equity											
Legacy Private Equity Portfolio	**69,352,611**	**10/1/2008**	**5.6**	-	-	-	-	-	-	-	-
Franklin Park Private Equity	**275,654,769**	**4/1/2010**	**4.1**	-	-	-	-	-	-	-	-
	2.5%			-	-	-	-	-	-	-	-
Real Estate											
AEW Real Estate	**192,034,573**	**5/1/2011**	**3.0**	-	-	-	-	-	-	-	-
NCREIF - OEDCE	***1.4%***			-	-	-	-	-	-	-	-
Heitman Real Estate	**202,938,892**	**5/1/2011**	**3.0**	-	-	-	-	-	-	-	-
NCREIF - OEDCE	***1.5%***			-	-	-	-	-	-	-	-
L&B Real Estate	**181,572,977**	**4/1/2011**	**3.1**	-	-	-	-	-	-	-	-
NCREIF - OEDCE	***1.3%***			-	-	-	-	-	-	-	-
Opportunistic Fixed Income											
PIMCO BRAVO	**147,272,472**	**3/31/2011**	**3.1**	-	-	-	-	-	-	-	-
Barclays Aggregate	***1.1%***			-	-	-	-	-	-	-	-
PIMCO BRAVO II	**28,589,749**	**3/31/2013**	**1.1**	-	-	-	-	-	-	-	-
Barclays Aggregate	***0.2%***			-	-	-	-	-	-	-	-

Three Year Risk/Return Review - Equity Portfolios

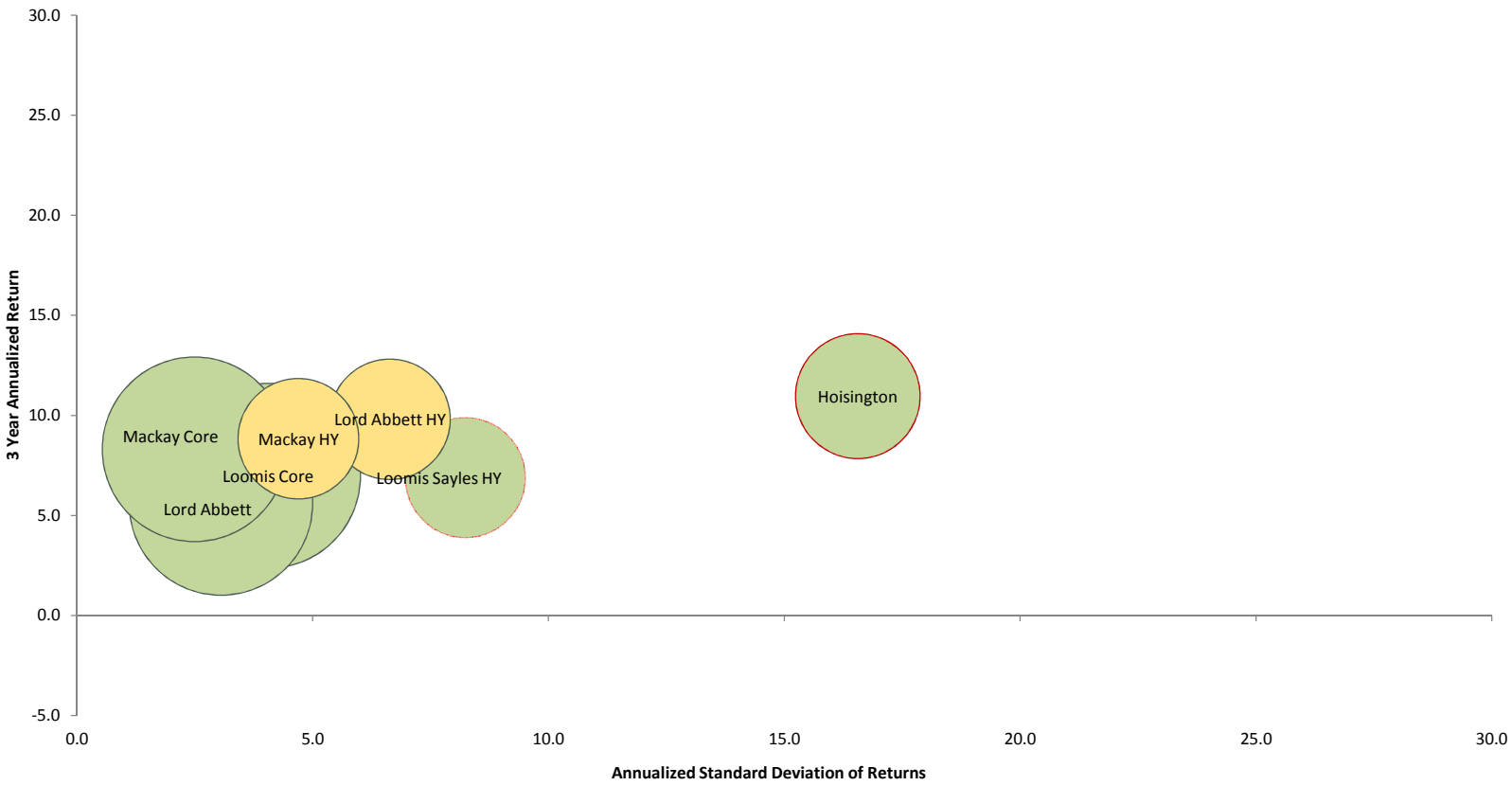
Oklahoma Teachers Retirement System



[1]Actual OTRS results used when available, composite when necessary.

Three Year Risk/Return Review - Fixed Income Portfolios

Oklahoma Teachers Retirement System



[1]Actual OTRS results used when available, composite when necessary.

May Manager Status Report

Manager	Mandate	Strategy	AUM	% of Portfolio	Current Status	Reason for Status Change	Status Change Effective Date	Date of Last Review	Date of Next Review	Expectations
Thornburg Investment Management	International Equity	All Cap	471,386,644	3.49%	**On Alert**	Performance Issues	November 2013	November 2013	June 2014	Improvement in performance compared to peers and benchmark.

All other managers currently rated In Compliance

Oklahoma Teachers Retirement System

executive summary report
first quarter, 2014

Gregory W Group

March 2014 - Market Performance Update

Mixed Month for Investors

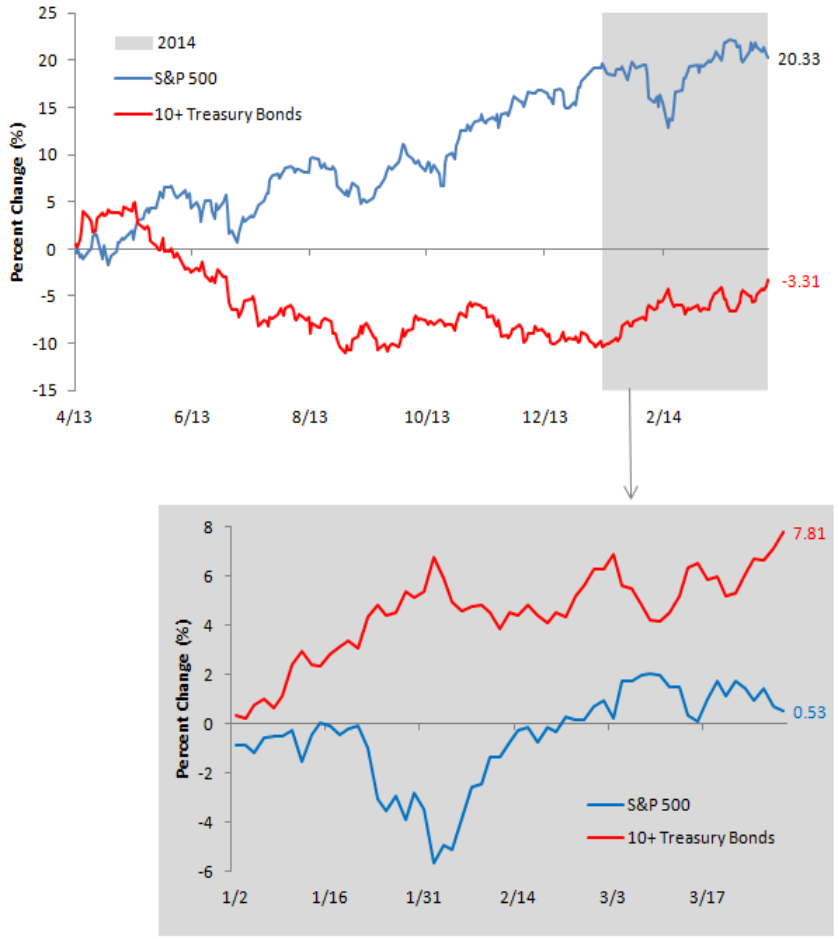
Equity Total Returns

Index	Last Month	Last Year	Last 3 Years	Last 5 Years
Dow Jones Industrial Average	0.9	15.7	13.1	19.9
NASDAQ (prc chg only)	-2.5	28.5	14.7	22.4
S&P 500 cap weighted	0.8	21.9	14.7	21.2
S&P 500 equal weighted	0.7	24.6	15.4	26.6
S&P Mid Cap	0.4	21.2	13.4	24.9
S&P Small Cap	0.7	27.8	16.0	26.2
S&P REIT	0.5	4.2	10.6	28.7
Alerian MLP	1.5	8.5	13.5	27.3
Russell 1000 Growth	-1.0	23.2	14.6	21.7
Russell 1000 Value	2.4	21.6	14.8	21.8
Russell Mid Cap Growth	-1.9	24.2	13.5	24.7
Russell Mid Cap Value	1.5	23.0	15.2	26.4
Russell 2000 Growth	-2.5	27.2	13.6	25.2
Russell 2000 Value	1.2	22.7	12.7	23.3
Russell Top 200	1.1	21.9	14.9	20.3
Russell 1000	0.6	22.4	14.8	21.7
Russell Mid Cap	-0.3	23.5	14.4	25.6
Russell 2500	-0.4	24.0	14.0	25.3
Russell 2000	-0.7	24.9	13.2	24.3
MSCI World Ex US	-0.5	16.5	6.3	15.9
MSCI World Ex US Growth	-0.5	13.9	5.9	15.3
MSCI World Ex US Value	-0.5	19.1	6.6	16.4
MSCI EAFE	-0.6	17.6	7.2	16.0
MSCI Emerging Markets	3.1	-1.4	-2.9	14.5

Bond Total Returns

Index	Last Month	Last Year	Last 3 Years	Last 5 Years
BC T-Bills	0.0	0.0	0.1	0.1
BC Long Treasury	0.7	-4.2	8.3	4.8
BC US Agg	-0.2	-0.1	3.8	4.8

Total Return of Stocks vs Treasuries: Last 12 Months



Tension in eastern Europe and Fed Chair Janet Yellen's first press conference were performance drivers during March. Share price volatility rose during the month from reasonably placid levels. Some segments of the domestic equity market suffered losses on the month. International shares were down in U.S. Dollar terms while Emerging Markets rebounded.

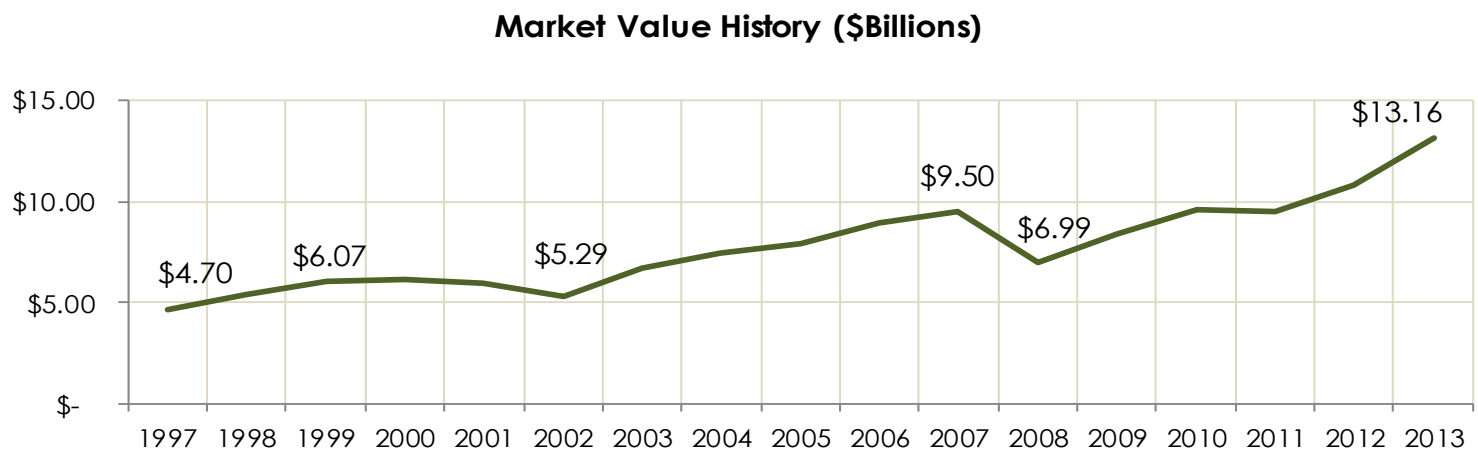
Domestic stock index returns were modest for the month. Large cap stocks outperformed mid caps and small caps during March as investors sought stability. Value outperformed growth across the market during the month but trailed over the past year.

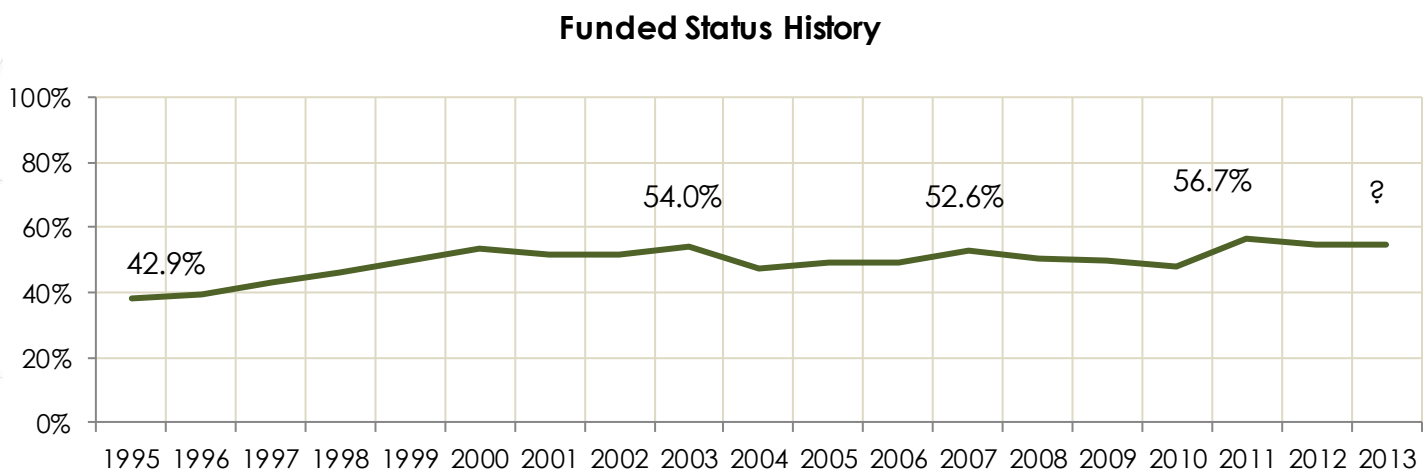
Long dated Treasuries outperformed the core bond market during March. Investor interest in long-term Treasury bonds was steady increased due to heightened equity market volatility and international tensions. Short term interest rates stayed near zero.

Trailing Year Total Fund Return

+18.2%

Plan History





Observations – first quarter, 2014

- **INVESTMENT PERFORMANCE:** Total fund returns were positive during the quarter. The total fund earned a 2.8% return. Domestic equity results were modestly positive. Core and High Yield fixed income results were also positive. The total fund's trailing returns were exceptional. The trailing year return was well above the actuarial assumption, above the allocation index and ranked in the top 1 percent among peer Pension Funds. **The total fund ranked in the top decile of public funds for all observation periods.** The ten year return (+8.5%) ranked in the 4th percentile of all public funds.

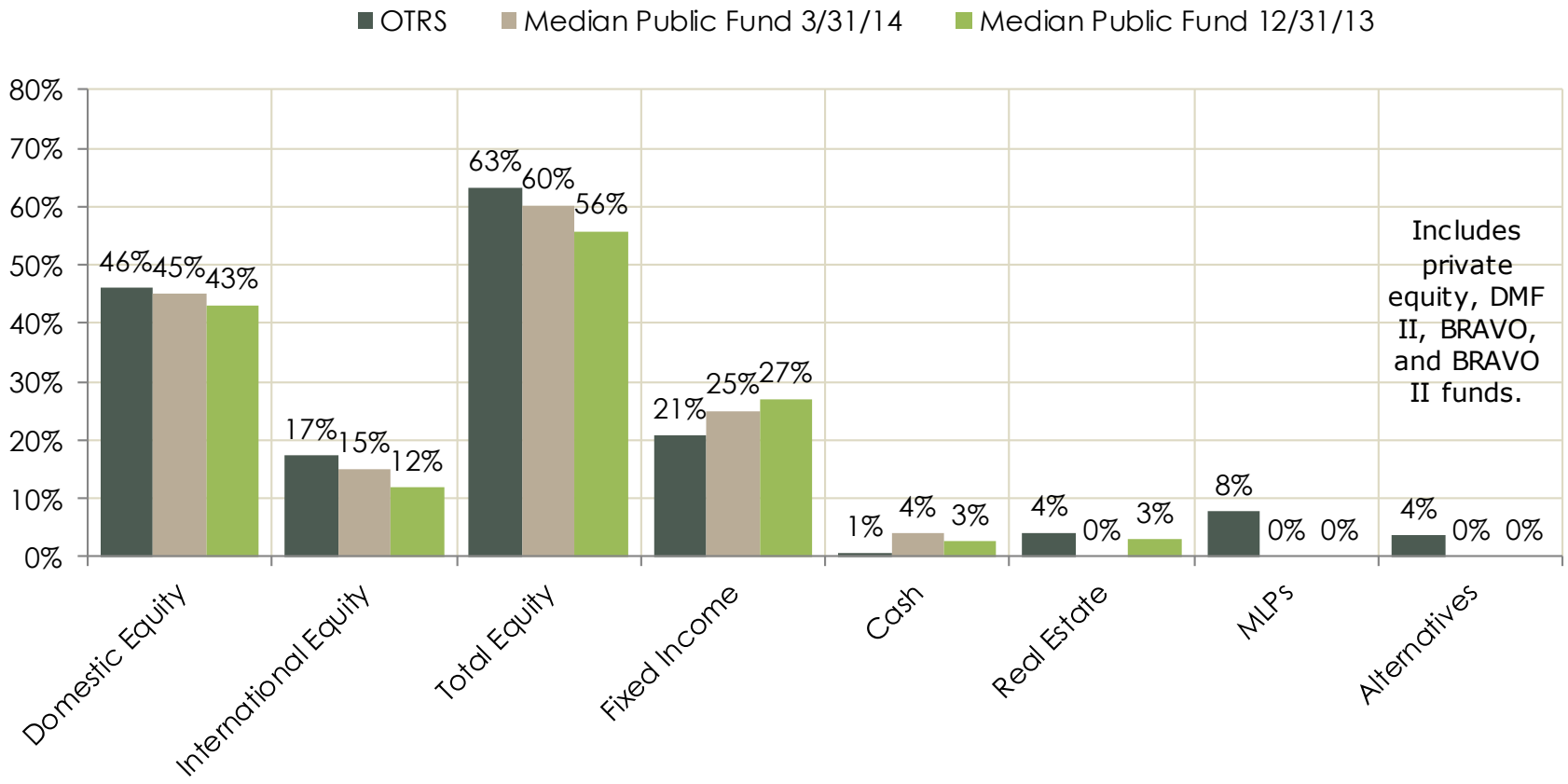
- **INVESTMENT MANAGEMENT:** Two large cap index fund portfolios were added in 2012. The new international small cap equity allocation added returns during the quarter. The MLP allocation is performing well above expectation. Five new domestic small cap managers were funded during the second quarter of 2013. An international equity index fund was added during early 2013.

- **ASSET ALLOCATION:** The total fund's aggregate asset allocations are in the process of moving to new long-term targets. No additional allocations were made to the Opportunistic Portfolio although several investments are under consideration. The private equity portfolio called significantly more capital over the past year compared to previous years. The three real estate managers are fully invested, at their previous target level. A full review of real estate options is currently underway.

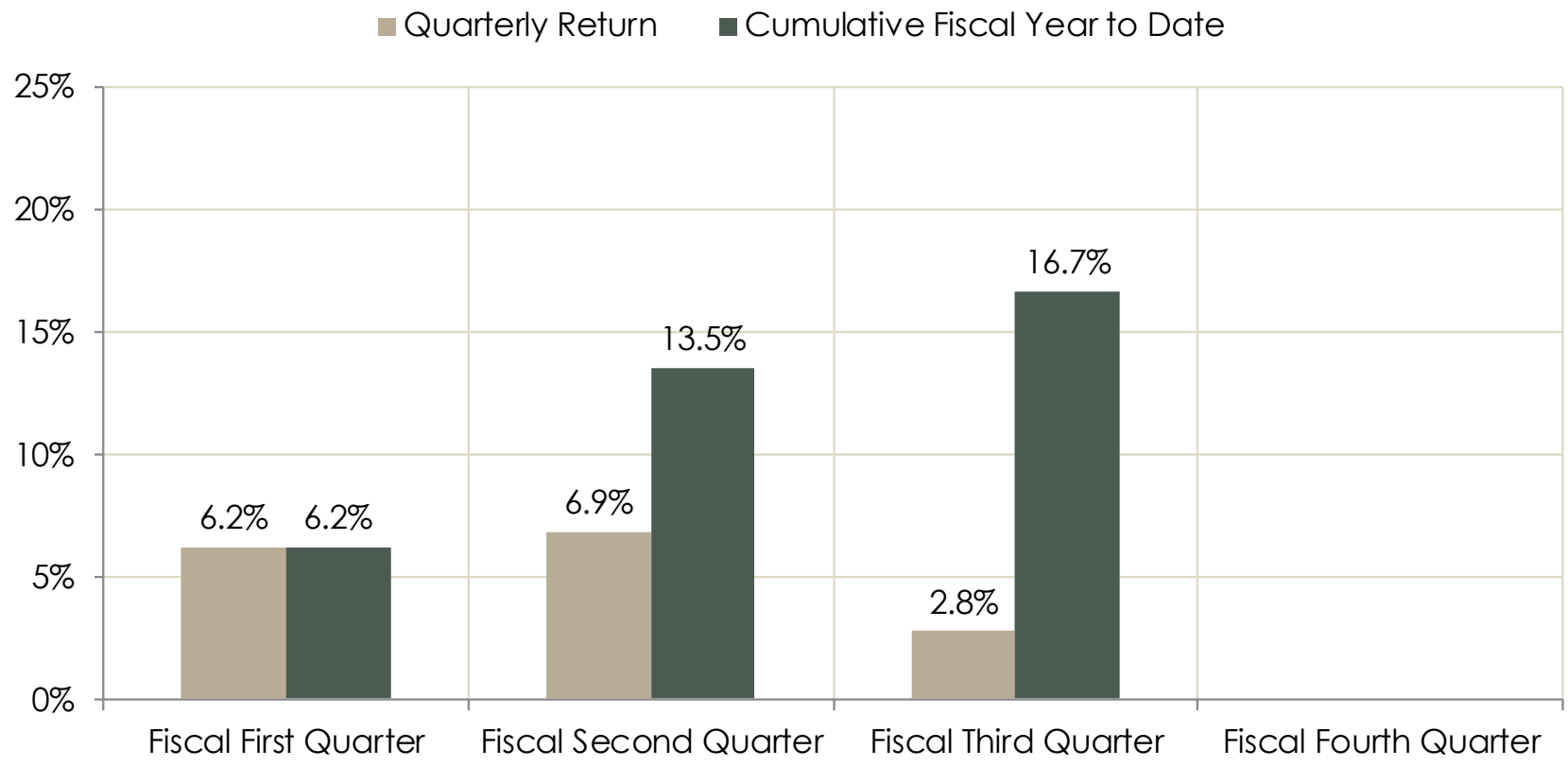
Asset Allocation Summary – **Total Fund**

	Current Allocation	New Target Allocation	Difference
Domestic Equity	45.94%	40.00%	5.94%
International Equity	**17.20%**	**17.50%**	-0.30%
Core Fixed Income	15.13%	17.50%	-2.37%
Opportunistic Assets	**1.29%**	**0.00%**	1.29%
High Yield Fixed Income	5.62%	6.00%	-0.38%
Real Estate	**4.16%**	**7.00%**	-2.84%
Private Equity	2.42%	5.00%	-2.58%
MLPs	**7.67%**	**7.00%**	0.67%
Cash	0.56%	0.00%	0.56%
Total	**100.00%**	**100.00%**	**0.00%**

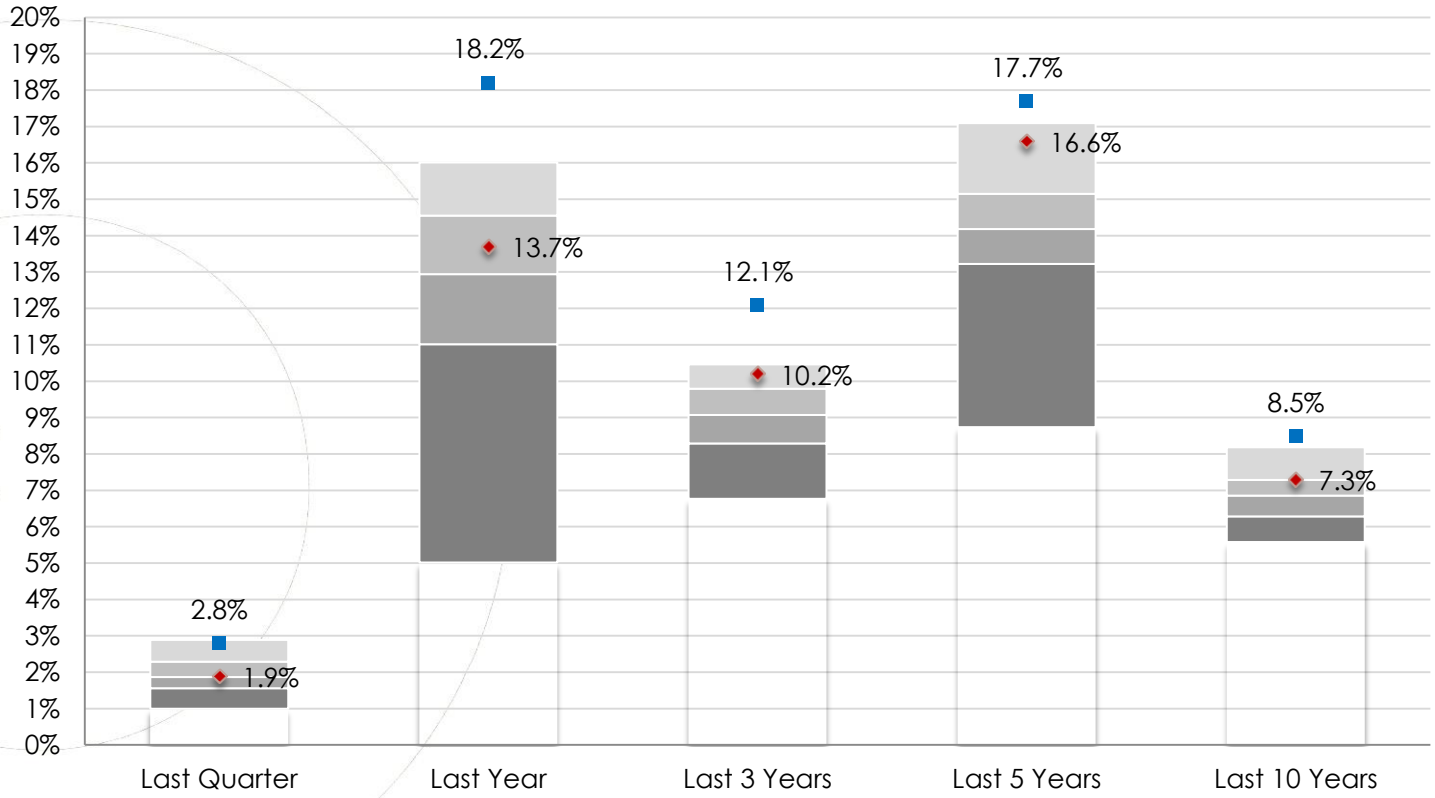
Total Fund Allocation vs. Median Public Fund



Composite Performance Summary as of **March 31, 2014**

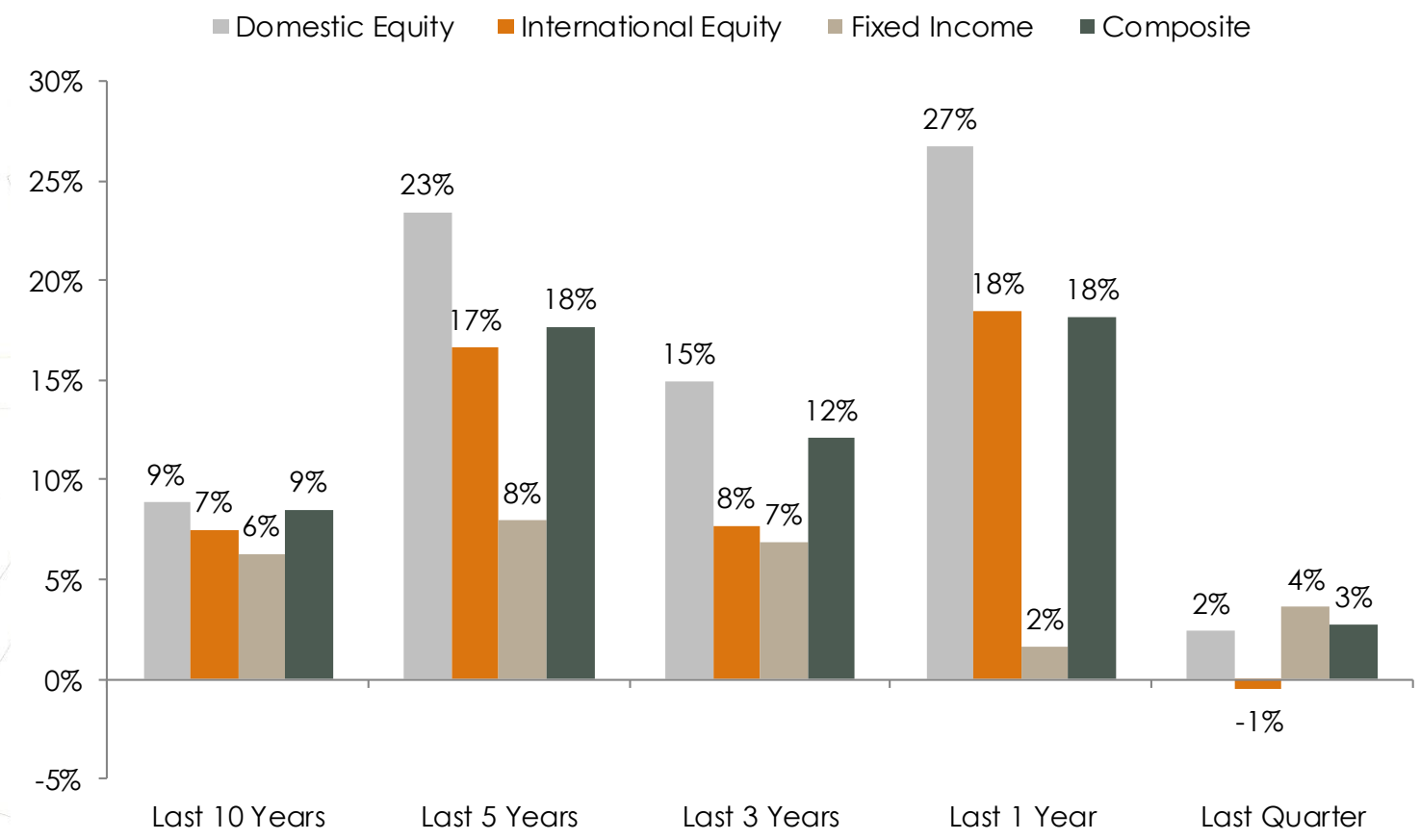


Total Fund vs. Public Fund Peer Universe

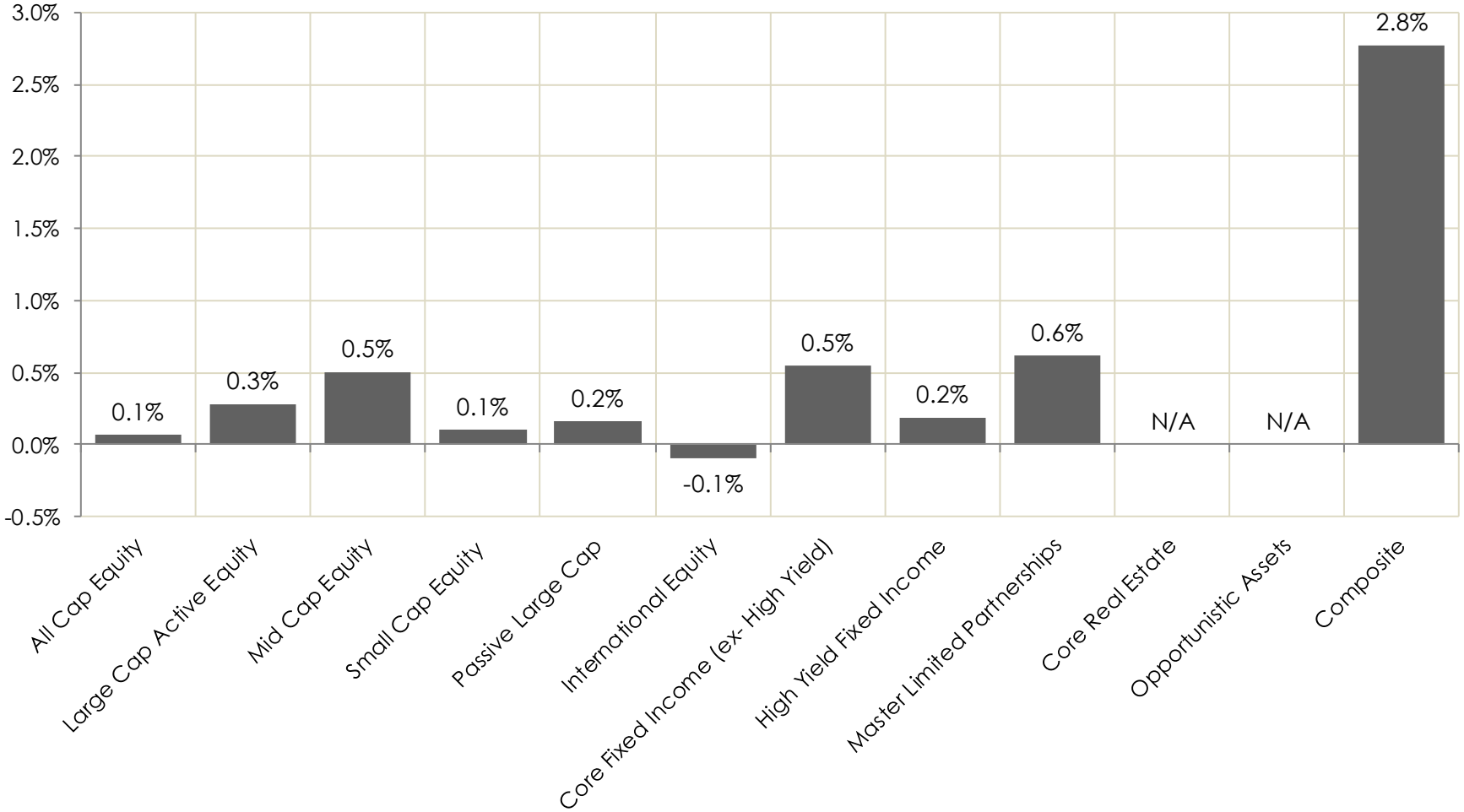


	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 10 Years
OTRS Composite	**2.8%**	**18.2%**	**12.1%**	**17.7%**	**8.5%**
Allocation Index	1.9%	13.7%	10.2%	16.6%	7.4%

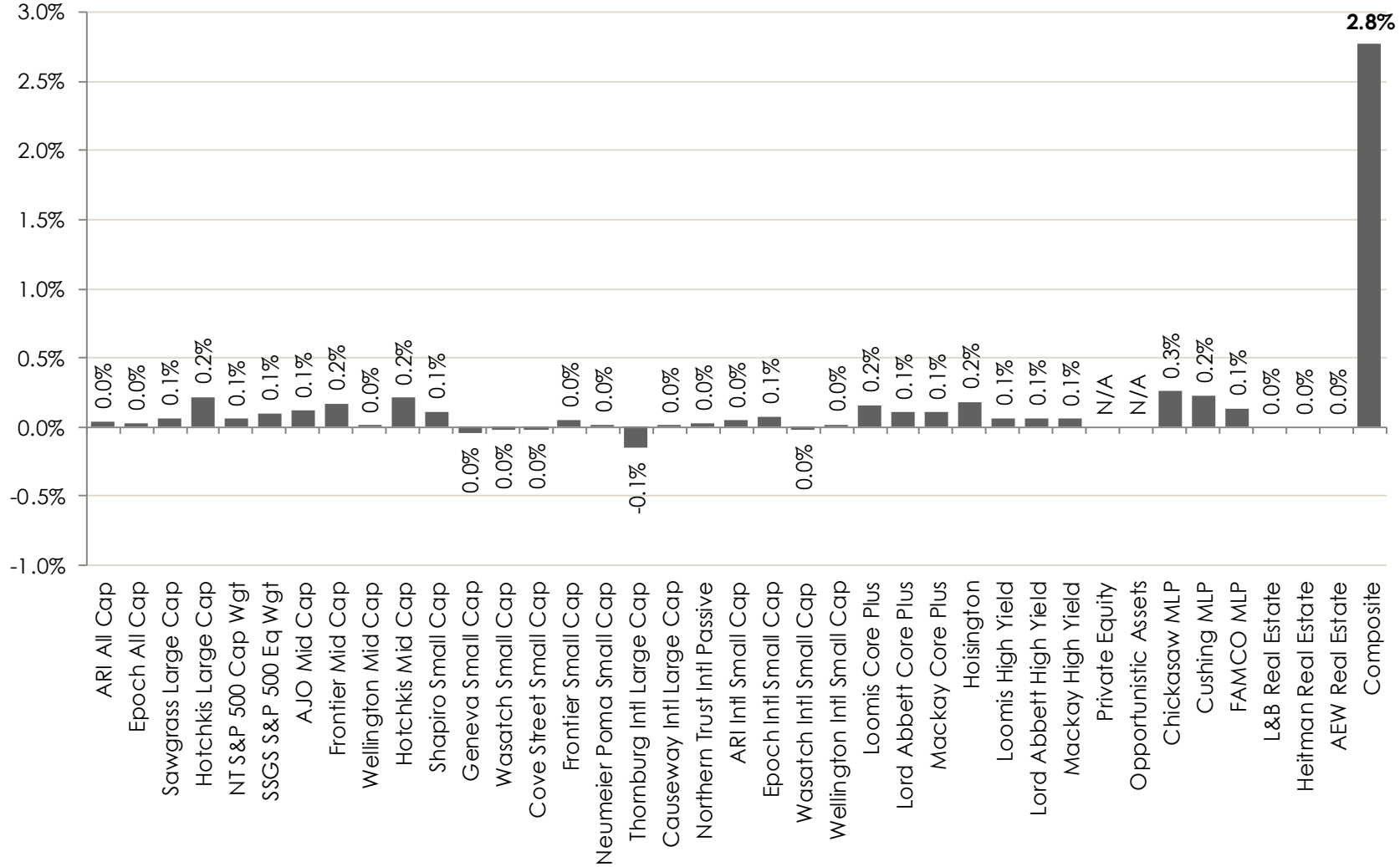
Composite Performance Summary as of **March 31, 2014**



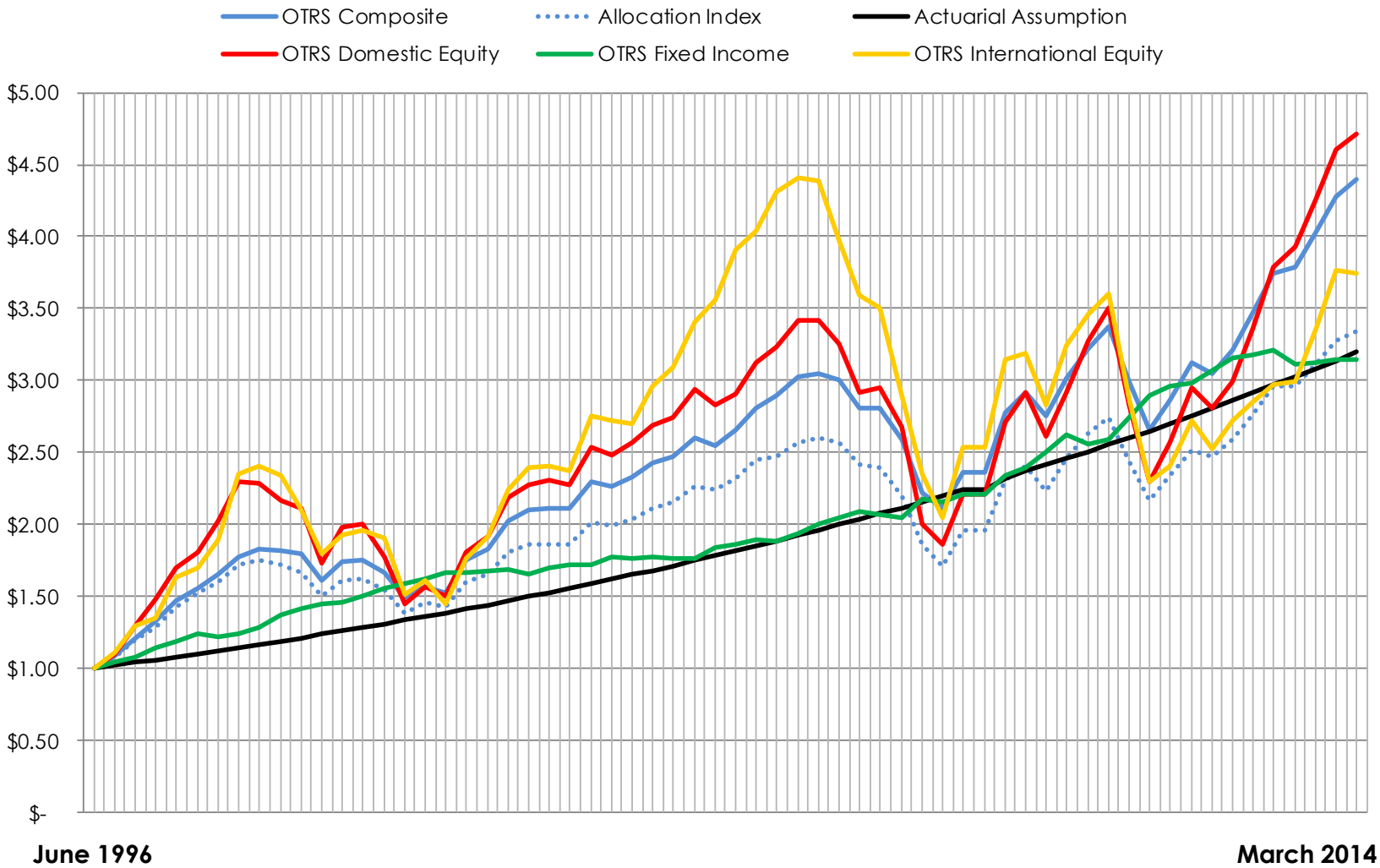
Composition of Quarterly Return by Asset Class



Composition of Quarterly Return by Portfolio



Growth of a Dollar Over Time: Period Ended **March 31, 2014**



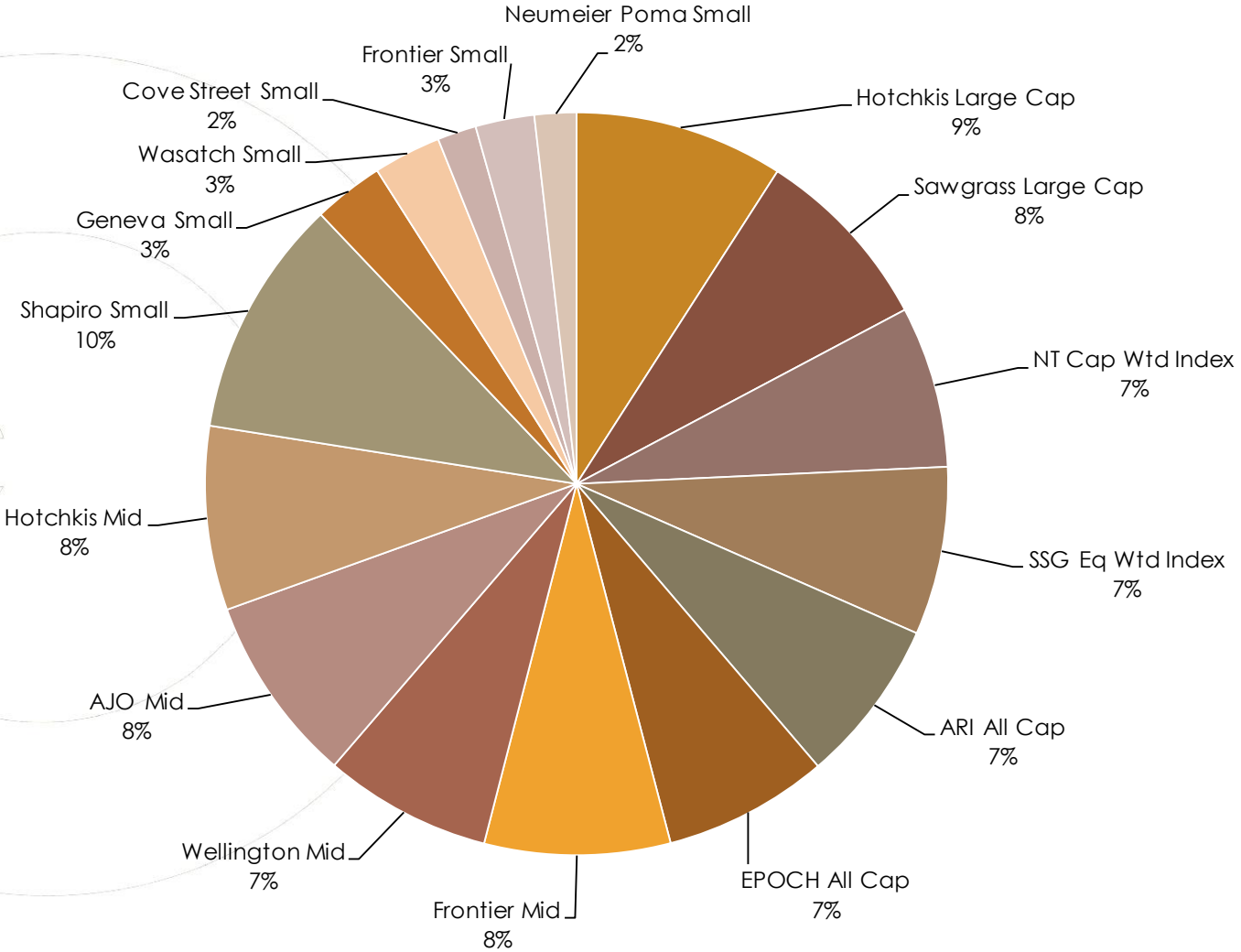
Performance – **Total Fund**

	Last 10 Years	% Rank	Last 5 Years	% Rank	Last 3 Years	% Rank	Last 1 Years	% Rank	Last Quarter	% Rank
Total Fund	**8.5**	**4**	**17.7**	**3**	**12.1**	**1**	**18.2**	**1**	**2.8**	**7**
Allocation Index	*7.3*		*16.6*		*10.2*		*13.7*		*1.9*	
Actuarial Assumption	*8.0*		*8.0*		*8.0*		*8.0*		*1.9*	
Total Domestic Equity	**8.9**	**21**	**23.4**	**20**	**14.9**	**24**	**26.7**	**11**	**2.4**	**25**
S&P 500	*7.4*		*21.2*		*14.7*		*21.9*		*1.8*	
Total International Equity	**7.5**	**50**	**16.6**	**52**	**7.7**	**33**	**18.4**	**22**	**-0.5**	**77**
MSCI ACWI ex-US	*7.6*		*16.0*		*4.6*		*12.8*		*0.6*	
Total Core Fixed Income	**6.3**	**6**	**8.0**	**24**	**6.9**	**11**	**1.6**	**9**	**3.6**	**14**
Barclays Aggregate	*4.5*		*4.8*		*3.7*		*-0.1*		*1.8*	

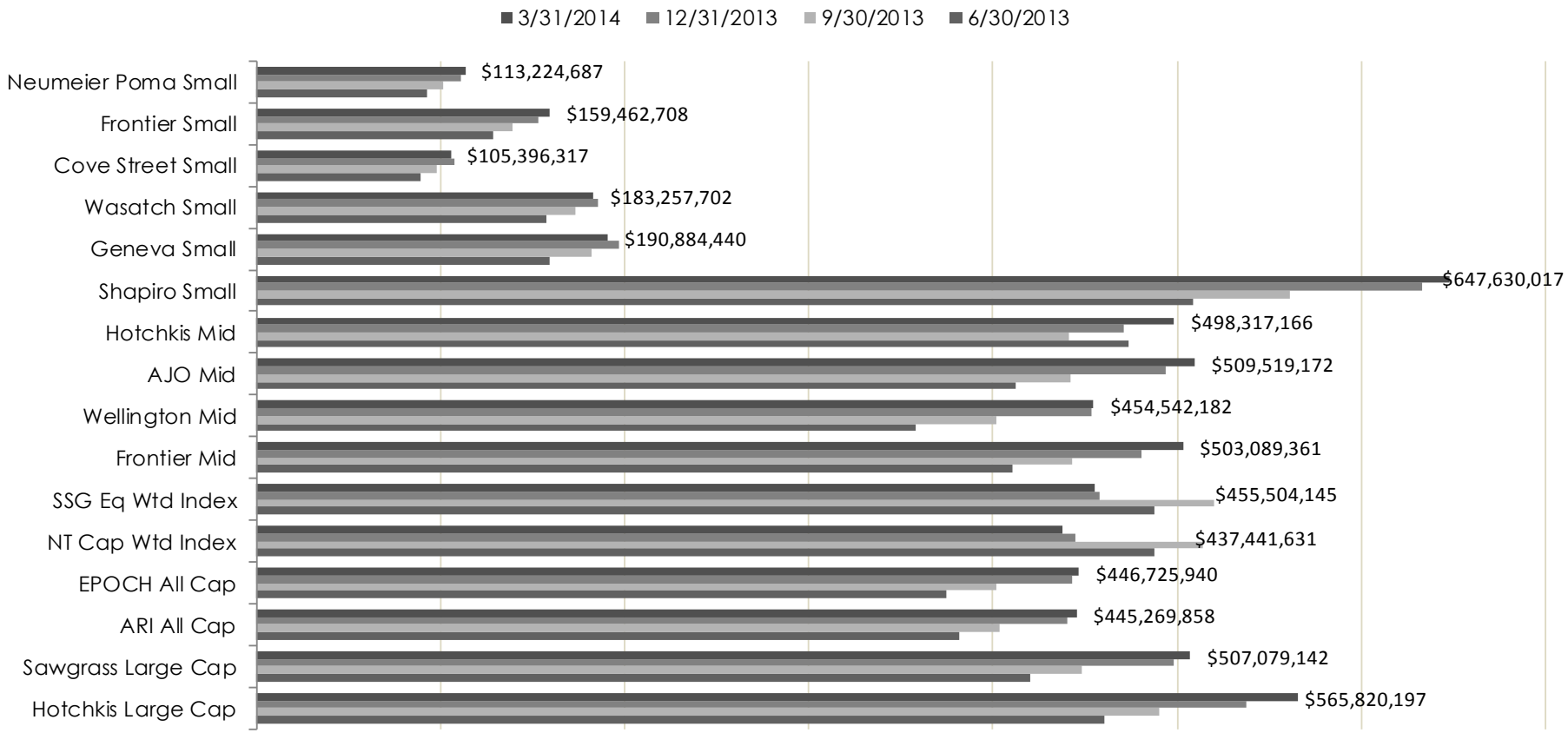
Composite Peer Ranking History

Periods Ended	Trailing 5 Years	Trailing 3 Years	Trailing Year	Last Quarter
1q2014	3	1	1	7
4q2013	1	1	1	2
3q2013	2	3	1	14
2q2013	1	3	1	11
1q2013	3	4	4	3
4q2012	15	3	11	24
3q2012	21	13	8	10
2q2012	24	4	33	75
1q2012	22	13	25	14
4q2011	36	14	52	8
3q2011	31	23	95	89
2q2011	20	13	23	93
1q2011	9	21	5	17
4q2010	21	29	15	29
3q2010	30	38	10	18
2q2010	35	46	11	62
1q2010	24	25	70	44
4q2009	36	43	15	25
3q2009	26	42	32	13
2q2009	46	50	44	28
1q2009	23	24	18	28
4q2008	47	61	62	64
3q2008	24	59	67	48
2q2008	25	52	83	17
1q2008	19	49	83	79
4q2007	19	46	62	78
3q2007	18	36	37	87
2q 2007	10	29	18	34
1q 2007	15	27	38	19
4q 2006	23	44	59	36
3q 2006	15	24	69	57
Average Rank	21	27	34	37
% of Observations in Top Quartile	74%	52%	52%	48%
% of Observations Above Median	**100%**	**90%**	**68%**	**71%**

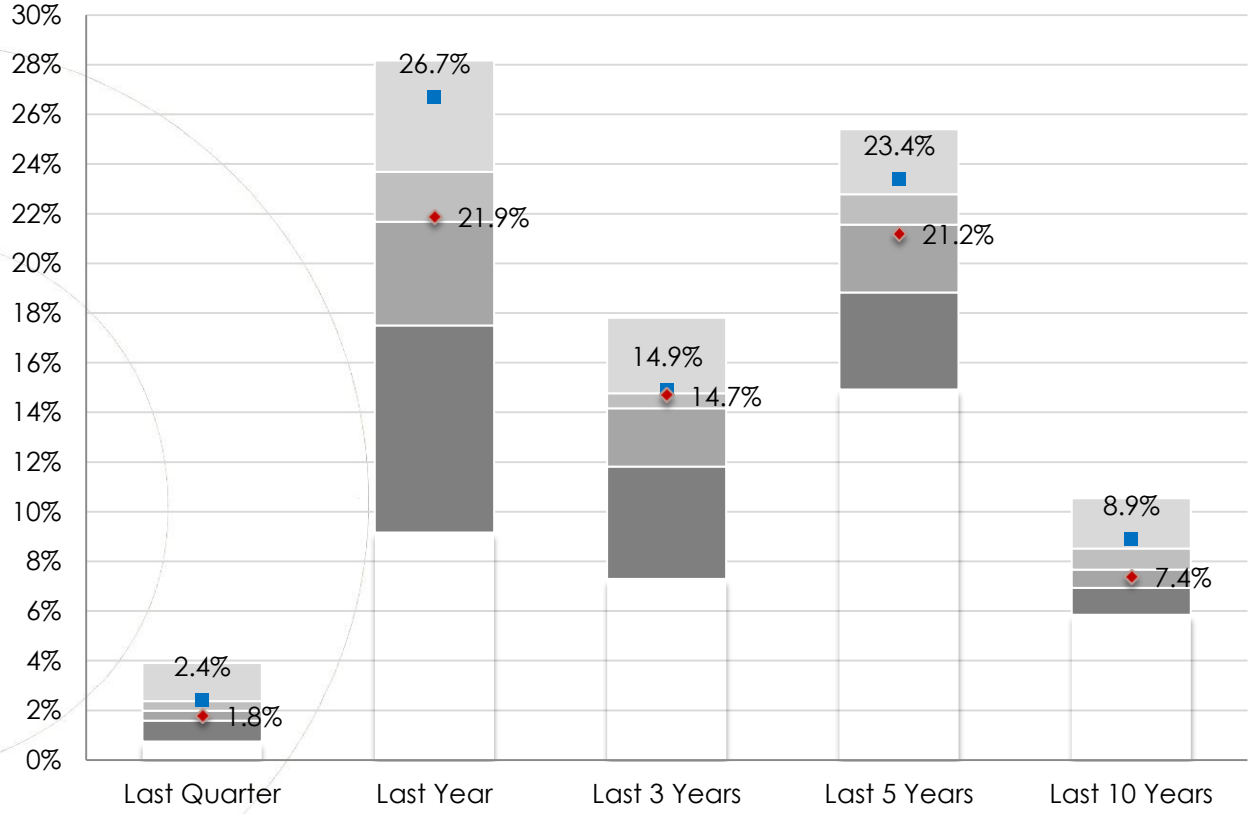
Asset Allocation Summary – **Domestic Equity Allocation**



Asset Allocation Summary – **Domestic Equity Allocation**

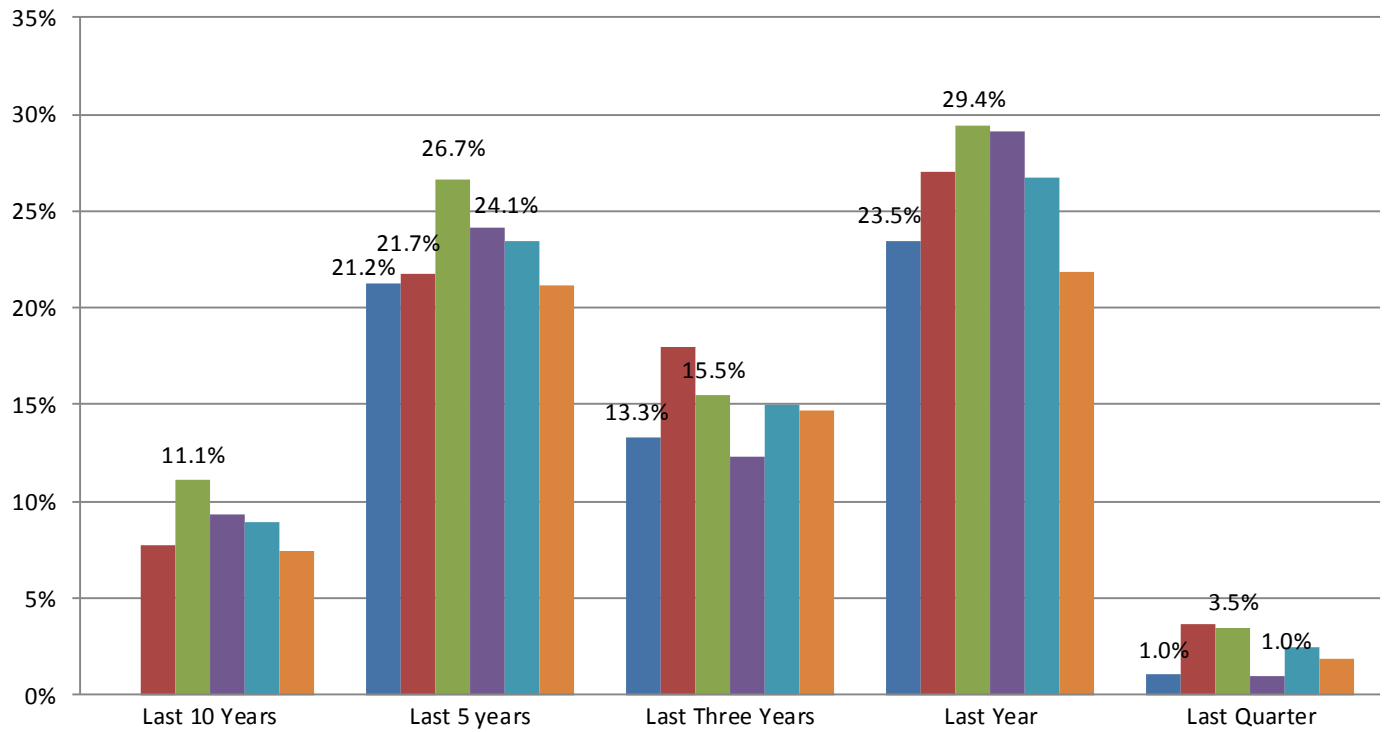


Domestic Equity Composite vs. U.S. Equity Allocation Peer Universe



	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 10 Years
OTRS Equity Composite	2.4%	26.7%	14.9%	23.4%	8.9%
S&P 500	1.8%	21.9%	14.7%	21.2%	7.4%

Domestic Equity Performance: Capitalization Composites



	Last 10 Years	Last 5 years	Last Three Years	Last Year	Last Quarter
All Cap		21.2%	13.3%	23.5%	1.0%
Large Cap Active	7.7%	21.7%	17.9%	27.1%	3.6%
Mid Cap	11.1%	26.7%	15.5%	29.4%	3.5%
Small Cap	9.3%	24.1%	12.3%	29.2%	1.0%
All Domestic Equity	8.9%	23.4%	14.9%	26.7%	2.4%
S&P 500 (Cap Weighted)	7.4%	21.2%	14.7%	21.9%	1.8%

Performance – All Cap and Large Cap Equity Managers

	Last 10 Years	% Rank	Last 5 Year	% Rank	Last 3 Years	% Rank	Last 1 Year	% Rank	Last Quarter	% Rank
Advisory Research	-	-	**21.3**	**48**	**13.2**	**80**	**21.5**	**75**	**1.2**	**85**
EPOCH	-	-	**21.1**	**55**	**13.4**	**79**	**25.5**	**13**	**0.9**	**91**
Russell 3000 Value	*19.5*		*21.9*		*14.6*		*22.6*		*2.0*	
Russell 3000	*19.5*		*21.9*		*14.7*		*22.6*		*2.0*	
Hotchkis LCV	**7.5**	**N/A**	**26.7**	**3**	**17.8**	**6**	**30.6**	**4**	**5.3**	**18**
Sawgrass LCG	-		**20.7**	**65**	**17.2**	**21**	**23.3**	**52**	**1.8**	**22**
S&P 500	*7.4*		*21.2*		*14.7*		*21.9*		*1.8*	
Russell 1000 Value	*7.6*		*21.8*		*14.8*		*21.6*		*3.0*	
Russell 1000 Growth	*19.5*		*21.7*		*14.6*		*23.2*		*1.1*	
NT Cap Weighted	-	-	-	-	-	-	**21.5**	**75**	**1.8**	**54**
SSGA Equal Weighted	-	-	-	-	-	-	**24.3**	**19**	**3.0**	**16**
S&P 500 Cap Weighted	*7.4*		*21.2*		*14.7*		*21.9*		*1.8*	
S&P 500 Equal Weighted	*9.8*		*26.6*		*15.4*		*24.6*		*3.0*	

Performance – Mid Cap and Small Cap Equity Managers

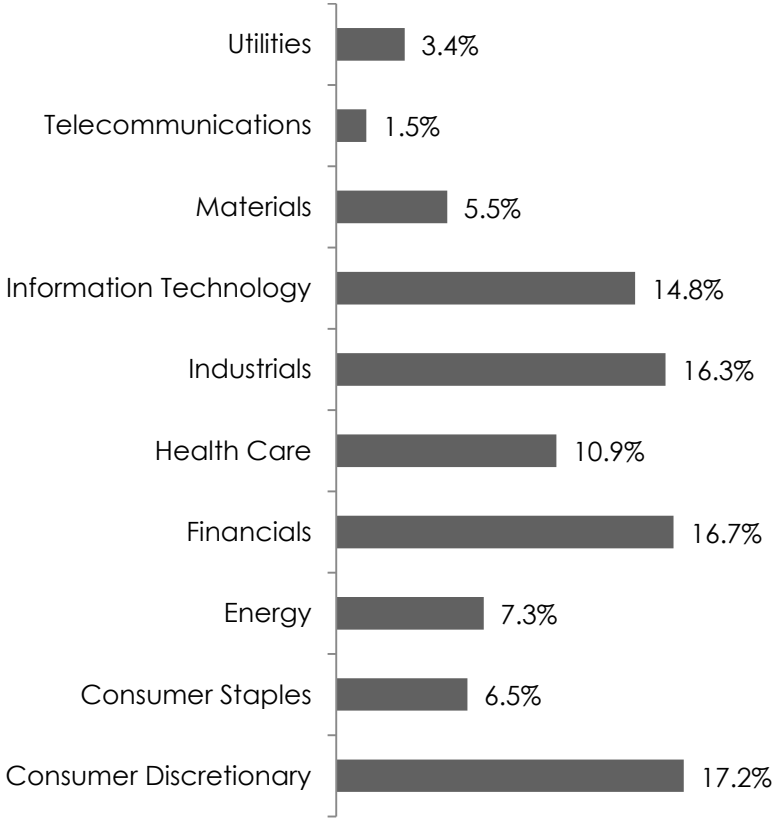
	Last 10 Years	% Rank	Last 5 Years	% Rank	Last 3 Years	% Rank	Last 1 Year	% Rank	Last Quarter	% Rank
AJO MCC	**10.6**	**65**	**26.3**	**35**	**16.9**	**12**	**28.2**	**20**	**3.1**	**38**
Frontier MCG	**11.6**	**56**	**22.2**	**88**	**13.9**	**47**	**25.7**	**52**	**4.7**	**3**
Hotchkis MCV	**11.9**	**N/A**	**33.7**	**N/A**	**20.2**	**2**	**29.6**	**3**	**5.7**	**28**
Wellington MCG	**10.0**	**75**	**25.7**	**38**	**10.8**	**83**	**35.0**	**2**	**0.3**	**78**
Russell MC	*10.1*		*25.6*		*14.4*		*23.5*		*3.5*	
Russell MC Growth	*9.5*		*24.7*		*13.5*		*24.2*		*2.0*	
Russell MC Value	*10.2*		*26.4*		*15.2*		*23.0*		*5.2*	
Shapiro SCC	**12.6**	**4**	**29.2**	**12**	**15.9**	**20**	**33.2**	**2**	**2.3**	**26**
Geneva SCG	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-3.0**	**91**
Wasatch SCG	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-1.1**	**77**
Cove Street SCV	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-2.1**	**96**
Frontier SCV	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4.1**	**13**
Neumeier Poma SCV	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2.1**	**42**
Russell 2000	*8.5*		*24.3*		*13.2*		*24.9*		*1.1*	
Russell 2000 Value	*8.5*		*24.3*		*13.2*		*24.9*		*1.1*	

Total Equity Portfolio Holdings Review

Largest Equity Positions

Position	% of Total Equity Allocation
Lindsay Corp	0.45%
Axiall	0.44%
WPX Energy	0.43%
ADT	0.42%
Cablevision	0.41%
Compass Minerals	0.41%
Dynegy	0.40%
Live Nation Entertainment	0.39%
General Electric	0.39%
Entergris	0.38%
Top Ten Total Weight	**4.12%**

Sector Weightings



Composite Equity Portfolio Characteristics – Trailing Five Years

	Average Market Cap	Dividend Yield	Tracking Error	Alpha	R^2	Sharpe Ratio	Standard Deviation
Active All Cap/Large Cap Equity	$113.42 billion	1.96%	4.33%	2.84	0.95	1.58	14.52
Mid Cap Equity	$9.89 billion	1.05%	5.65%	-0.86	0.94	1.37	18.98
Small Cap Equity	$11.71 billion	1.01%	2.90%	3.17	0.41	0.66	8.93
International Equity	$38.18 billion	2.26%	2.34%	0.31	0.51	0.49	10.09
Total Equity	**$44.99 billion**	**1.61%**	**3.32%**	**0.75**	**0.65**	**0.93**	**0.93**

Active Domestic Equity Characteristics – Trailing Five Years

	Asset Class	Upside Capture Ratio %	Downside Capture Ratio %	Trailing Five Year Return	Correlation vs. S&P 500	Correlation vs. BC Aggregate
Hotchkis & Wiley	Large Cap Value	138.2	106.3	26.7%	0.96	-0.32
Sawgrass	Large Cap Growth	90.5	85.7	20.7%	0.98	-0.18
Advisory Research	All Cap	98.7	95.6	21.3%	0.98	-0.05
EPOCH	All Cap	110.3	121.0	21.1%	0.98	-0.13
AJO	Mid Cap Core	141.1	115.2	26.3%	0.96	-0.13
Frontier	Mid Cap Growth	107.5	101.1	22.2%	0.92	-0.18
Hotchkis & Wiley	Mid Cap Value	216.9	129.5	33.7%	0.93	-0.08
Wellington	Mid Cap Growth	174.0	160.9	25.7%	0.93	-0.33
Shapiro	Small Cap Value/Core	180.3	123.5	29.2%	0.91	-0.35
Cove Street	Small Cap Value	148.4	90.6	24.1%	0.94	-0.24
Neumeier Poma	Small Cap Value	136.1	98.7	27.0%	0.90	-0.28
Frontier	Small Cap Value	155.6	89.6	30.5%	0.94	-0.28
Geneva	Small Cap Growth	131.0	121.4	24.2%	0.82	-0.37
Wasatch	Small Cap Growth	125.1	87.3	26.3%	0.88	-0.37

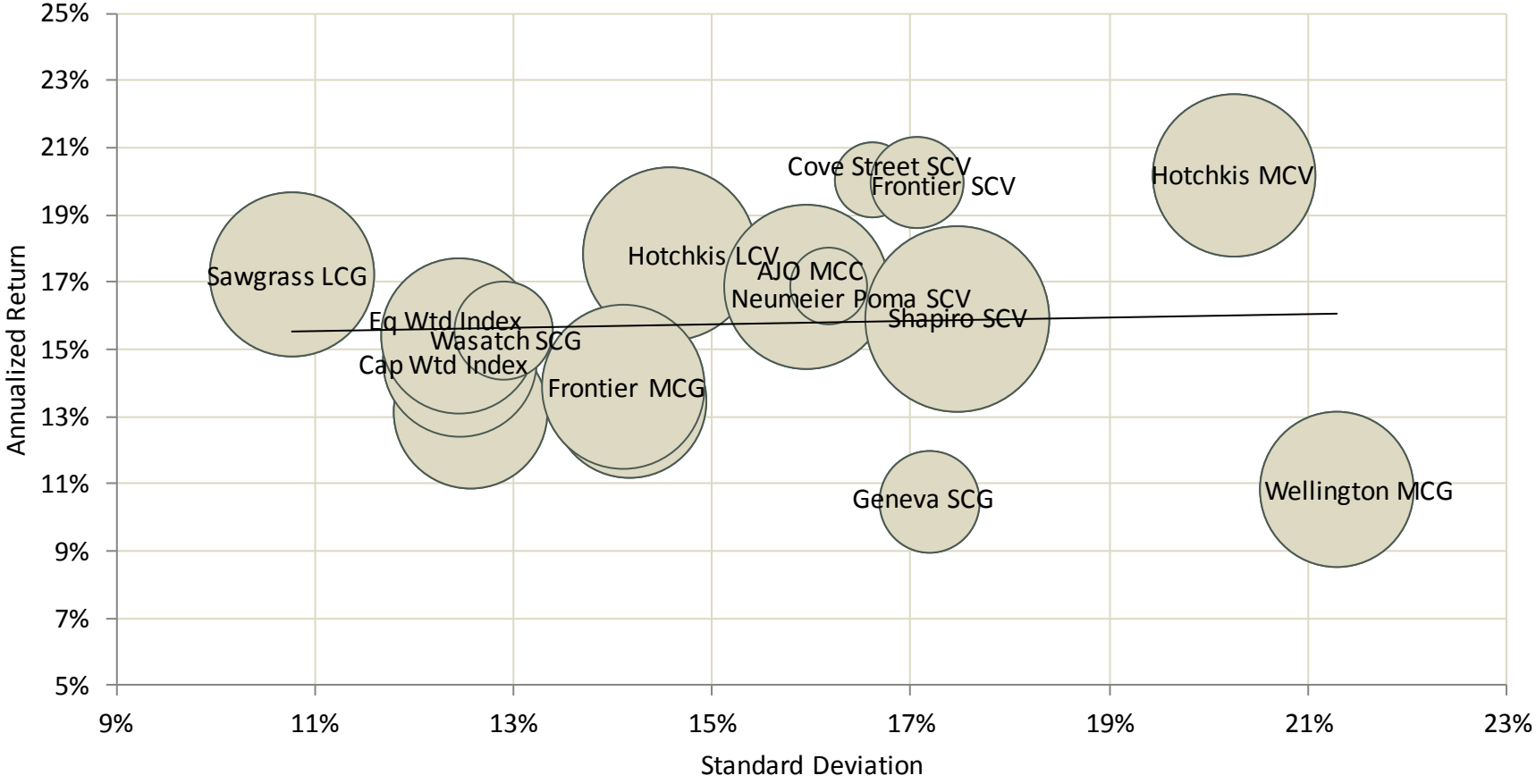
Upside and downside capture ratios measured against the S&P 500 index.

Domestic Equity Portfolios: 5 Year Correlation Matrix

Trailing Five Years	AJO MCC	ARI AC	Cove Street SCV	Epoch AC	Frontier MCG	Frontier SCV	Geneva SCG	Hotchkis LCV	Hotchkis MCV	Neumeier Poma SCV	Sawgrass LCG	Shapiro SCC	Wasatch SCG	Welling-ton MCG
AJO MCC	-													
ARI AC	0.96	-												
Cove Street SCV	0.94	0.92	-											
Epoch AC	0.97	0.95	0.90	-										
Frontier MCG	0.97	0.92	0.89	0.95	-									
Frontier SCV	0.98	0.96	0.95	0.96	0.95	-								
Geneva SCG	0.94	0.93	0.90	0.91	0.93	0.95	-							
Hotchkis LCV	0.93	0.93	0.89	0.94	0.91	0.93	0.90	-						
Hotchkis MCV	0.92	0.95	0.95	0.95	0.94	0.96	0.92	0.96	-					
Neumeier Poma SCV	0.96	0.94	0.91	0.95	0.93	0.95	0.92	0.88	0.91	-				
Sawgrass LCG	0.97	0.96	0.91	0.96	0.94	0.94	0.91	0.94	0.92	0.91	-			
Shapiro SCC	0.95	0.94	0.94	0.93	0.94	0.96	0.92	-	-	0.94	0.92	-		
Wasatch SCG	0.94	0.90	0.92	0.93	0.95	0.95	0.96	0.89	0.94	0.92	0.91	0.94	-	
Wellington MCG	0.97	0.94	0.93	0.94	0.95	0.94	0.92	0.93	0.95	0.94	0.92	0.97	0.94	-

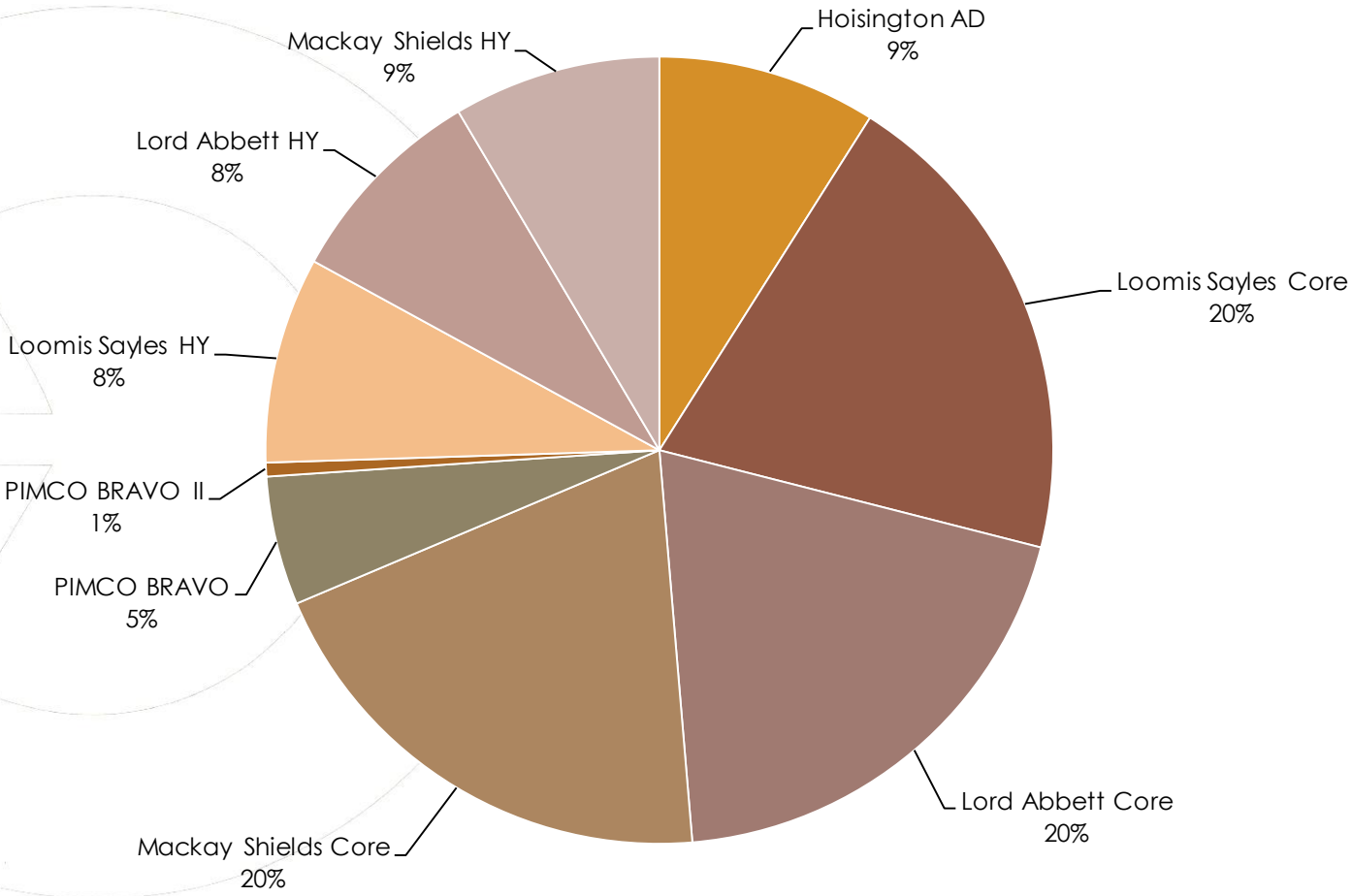
Domestic Equity Risk Return Comparison

Composite Data Used – Three Years Ended March 31, 2014

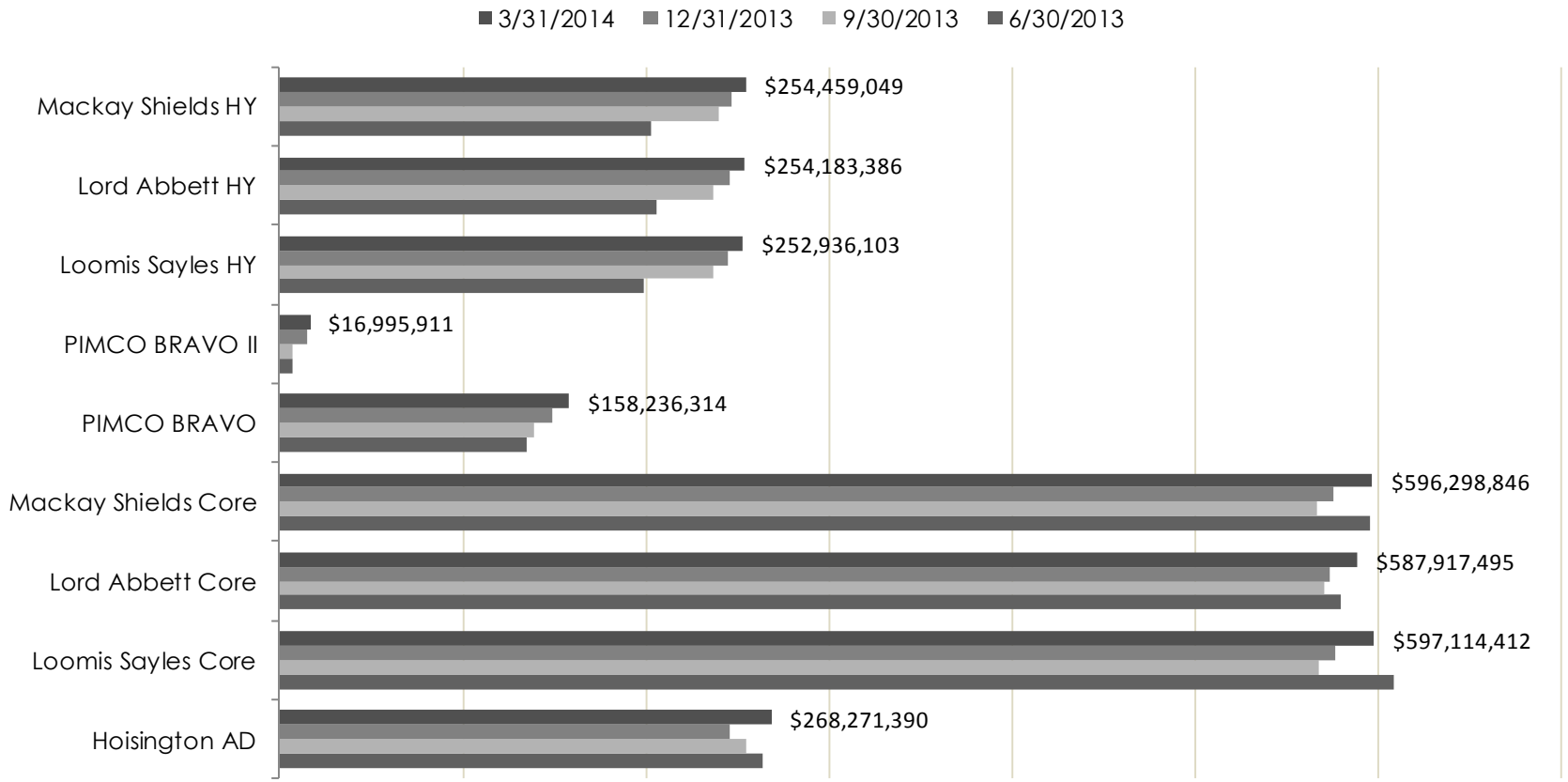


*Composite performance used when necessary.

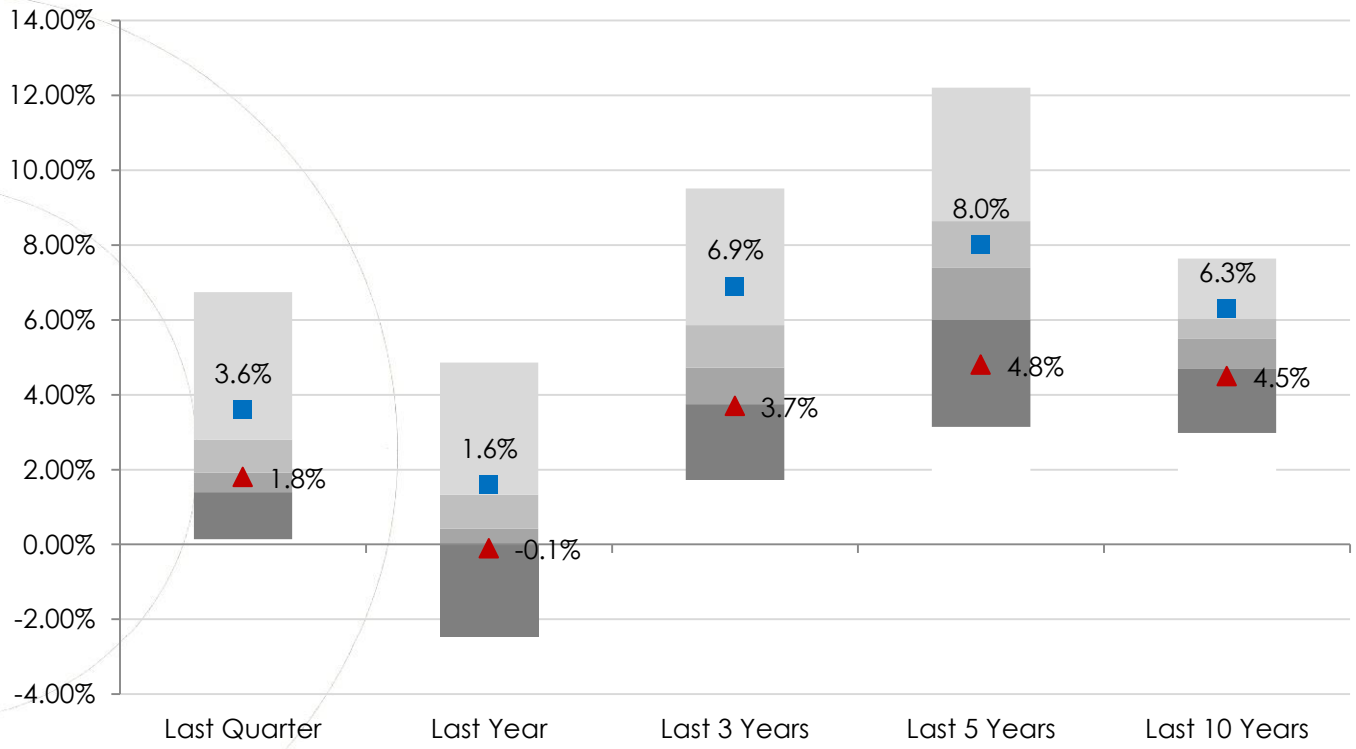
Asset Allocation Summary – **Fixed Income Allocation**



Asset Allocation Summary – **Fixed Income Allocation**



Fixed Income Composite vs. Core Fixed Income Peer Universe



	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 10 Years
OTRS Fixed Income Composite	3.6%	1.6%	6.9%	8.0%	6.3%
Barclays Capital Aggregate	1.8%	-0.1%	3.7%	4.8%	4.5%

Performance – Fixed Income Managers

	Last 10 Years	% Rank	Last 5 Years	% Rank	Last 3 Years	% Rank	Last Year	% Rank	Last Quarter	% Rank
Loomis Sayles	**7.5**	**2**	**10.7**	**12**	**7.2**	**8**	**2.8**	**3**	**3.6**	**14**
Lord Abbett	**-**	-	**8.1**	**24**	**5.7**	**20**	**1.2**	**16**	**2.5**	**24**
Mackay Shields	**-**	-	**8.3**	**23**	**6.5**	**14**	**2.7**	**5**	**2.4**	**25**
Hoisington	**-**	**-**	**5.1**	**72**	**10.9**	**2**	**-5.0**	**89**	**9.3**	**1**
BC Aggregate	*4.5*		*4.8*		*3.7*		*-0.1*		*1.8*	
Loomis HY	**-**	**-**	**16.9**	**40**	**7.5**	**84**	**5.0**	**83**	**3.5**	**22**
Lord Abbett HY	**-**	-	**17.9**	**28**	**10.1**	**7**	**9.4**	**19**	**3.4**	**24**
Mackay HY	**-**	-	**15.4**	**68**	**9.0**	**40**	**7.3**	**49**	**3.1**	**42**
ML High Yield II	*-*		*18.2*		*8.7*		*7.5*		*3.0*	

Fixed Income Portfolio Characteristics – Trailing Five Years

	Asset Class	Credit Quality	Modified Duration	Maturity	Yield to Maturity
Loomis Sayles	Core Plus	A-	5.5	8.1	3.6%
Lord Abbett	Core Plus	AA	5.3	7.3	3.1%
Mackay Shields	Core Plus	A+	2.9	8.3	2.9%
Hoisington	Active Duration	AAA	19.3	23.6	3.5%
Core Fixed Income Composite	**Core Plus**	**A**	**6.5**	**10.0**	**3.2%**
Loomis Sayles	High Yield	B	4.8	8.5	5.1%
Lord Abbett	High Yield	N/A	5.3	6.9	N/A
Mackay Shields	High Yield	B+	3.4	6.2	5.2%
High Yield Composite	**High Yield**	**B**	**4.5**	**7.5**	**5.2%**

Fixed Income Performance Characteristics – Trailing Five Years

	Asset Class	Upside Capture Ratio %	Downside Capture Ratio %	Trailing Five Year Return	Correlation vs. BC Aggregate	Correlation vs. S&P 500
Loomis Sayles	Core Plus	214.70%	42.05%	10.7%	0.64	0.62
Lord Abbett	Core Plus	161.36%	53.11%	8.1%	0.82	0.43
Mackay Shields	Core Plus	146.84%	28.38%	8.3%	0.89	0.36
Hoisington	Active Duration	208.36%	593.70%	51%	0.75	-0.33
Loomis Sayles	High Yield	395.39%	-260.32%	16.9%	0.24	0.75
Lord Abbett	High Yield	106.95%	-305.04%	17.9%	0.22	0.71
Mackay Shields	High Yield	93.59%	-297.74%	15.4%	0.23	0.69

Upside and downside capture ratios measured against the Barclays Capital Aggregate index.
*Composite performance used when necessary.

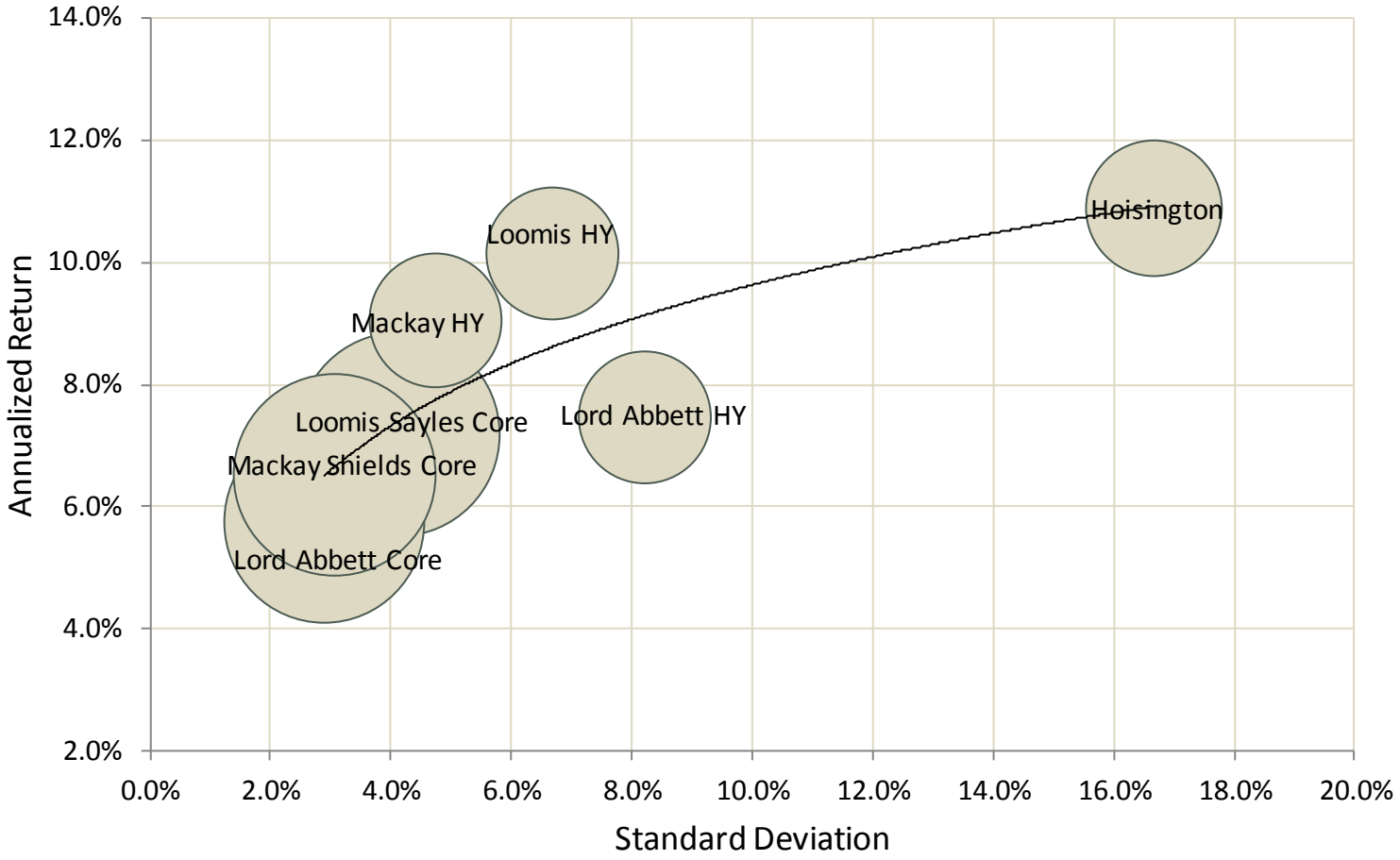
Fixed Income Portfolios: 5 Year Correlation Matrix

Trailing Five Years	Hoisington	Loomis Core	Loomis High Yield	Lord Abbett Core	Lord Abbett High Yield	Mackay Shields Core	Mackay Shields High Yield
Hoisington	-						
Loomis Core	0.17	-					
Loomis High Yield	-0.49	0.72	-				
Lord Abbett Core	0.31	0.91	0.59	-			
Lord Abbett High Yield	-0.53	0.66	0.97	0.53	-		
Mackay Shields Core	0.38	0.91	0.51	0.88	0.46	-	
Mackay Shields High Yield	-0.43	0.73	0.96	0.63	0.97	0.52	-

*Composite performance used when necessary.

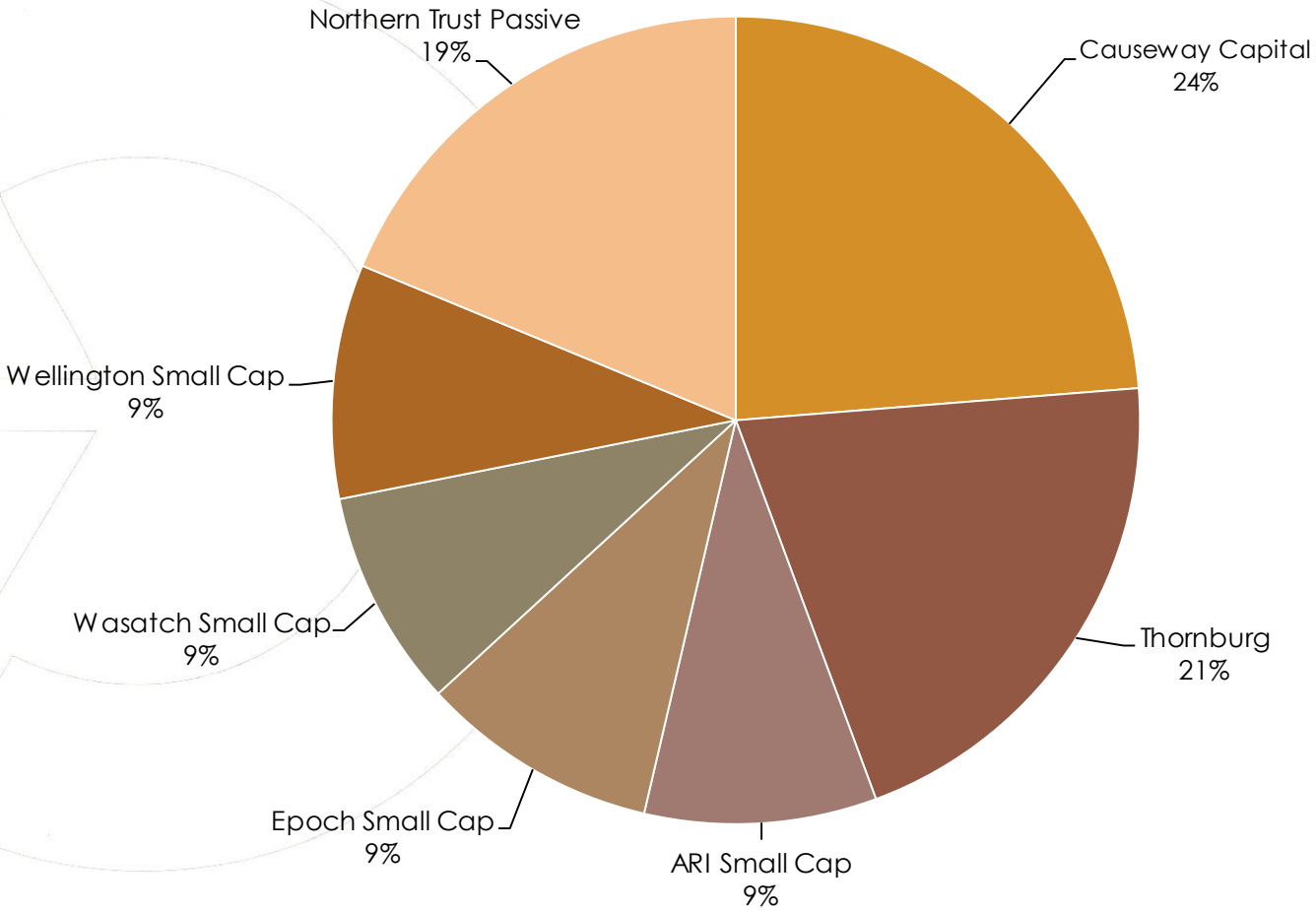
Fixed Income Risk Return Comparison

Composite Data Used – Three Years Ended March 31, 2014

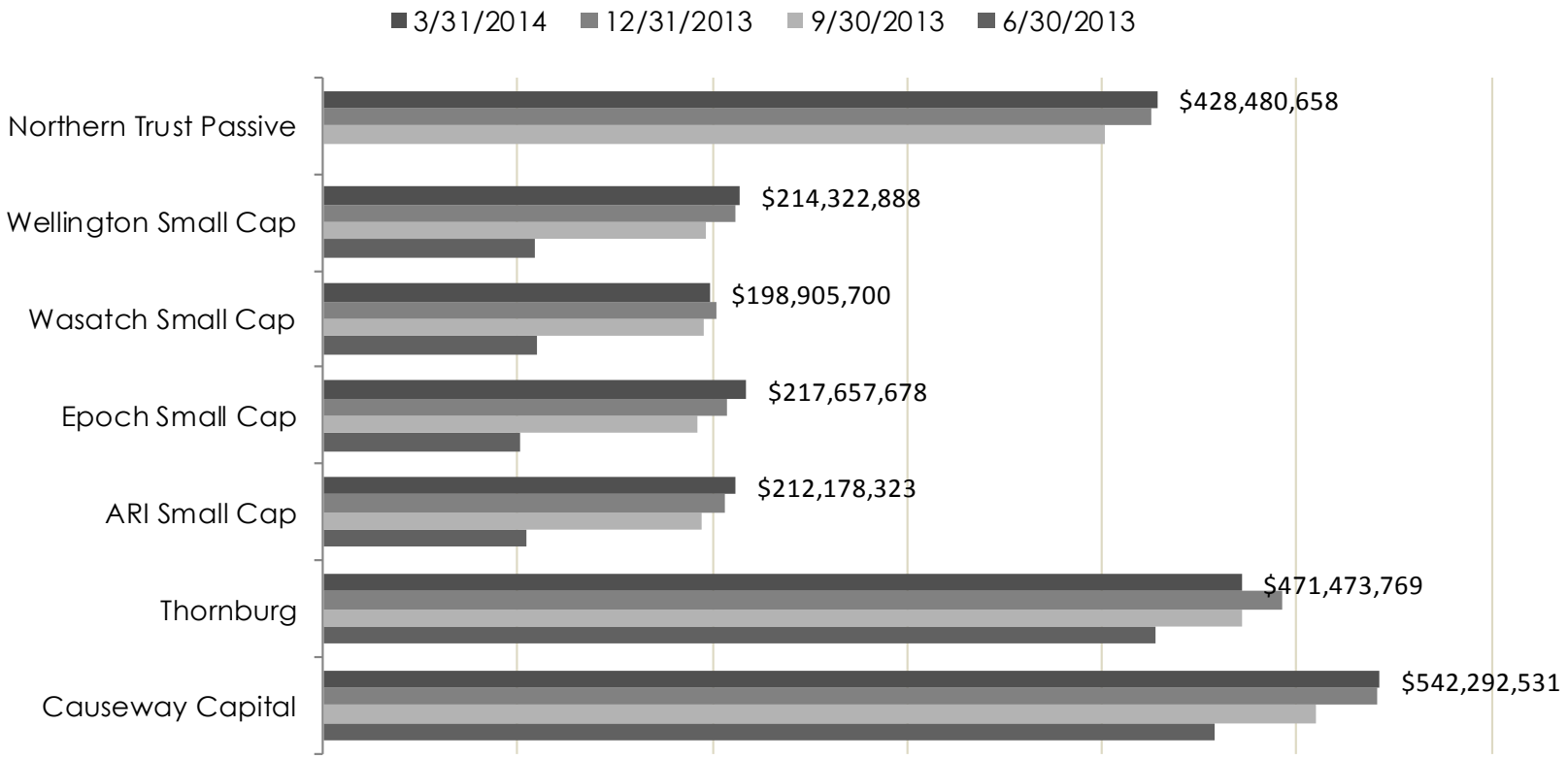


*Composite performance used when necessary to calculate figures.

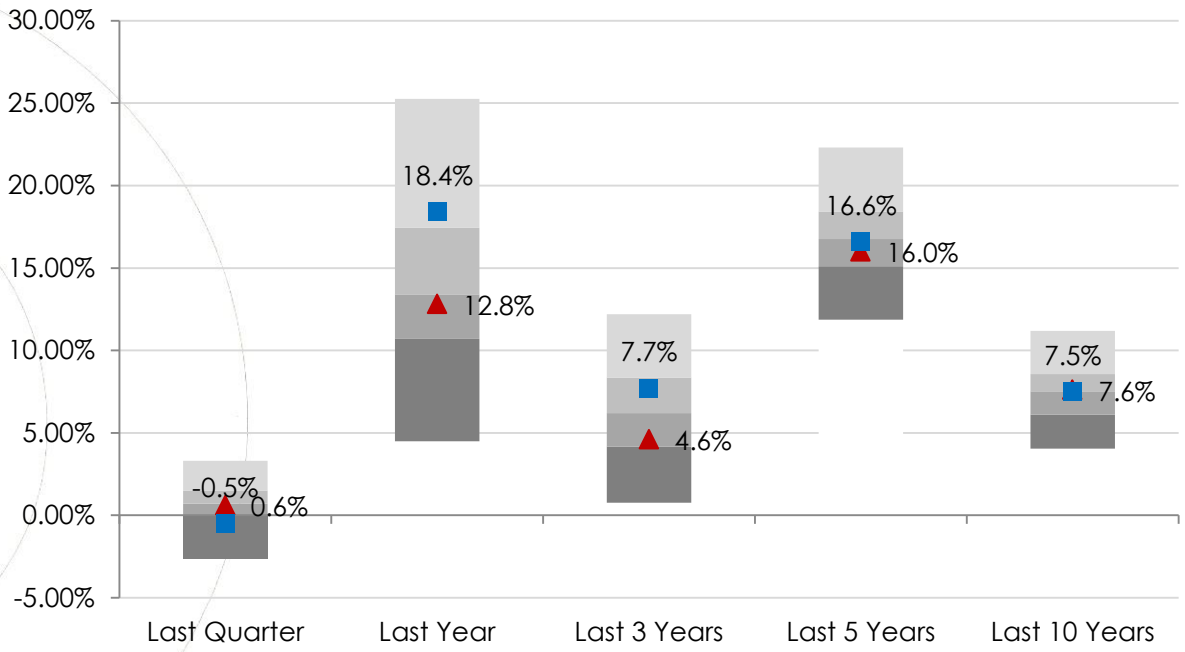
Asset Allocation Summary – **International Equity Allocation**



Asset Allocation Summary – **International Equity Allocation**



International Equity Composite vs. Non-US Equity Allocation Peer Universe



	Last Quarter	Last Year	Last 3 Years	Last 5 Years	Last 10 Years
OTRS International Equity Composite	-0.5%	18.4%	7.7%	16.6%	7.5%
MSCI ACWI Ex-US	0.6%	12.8%	4.6%	16.0%	7.6%

Performance – International Equity Managers

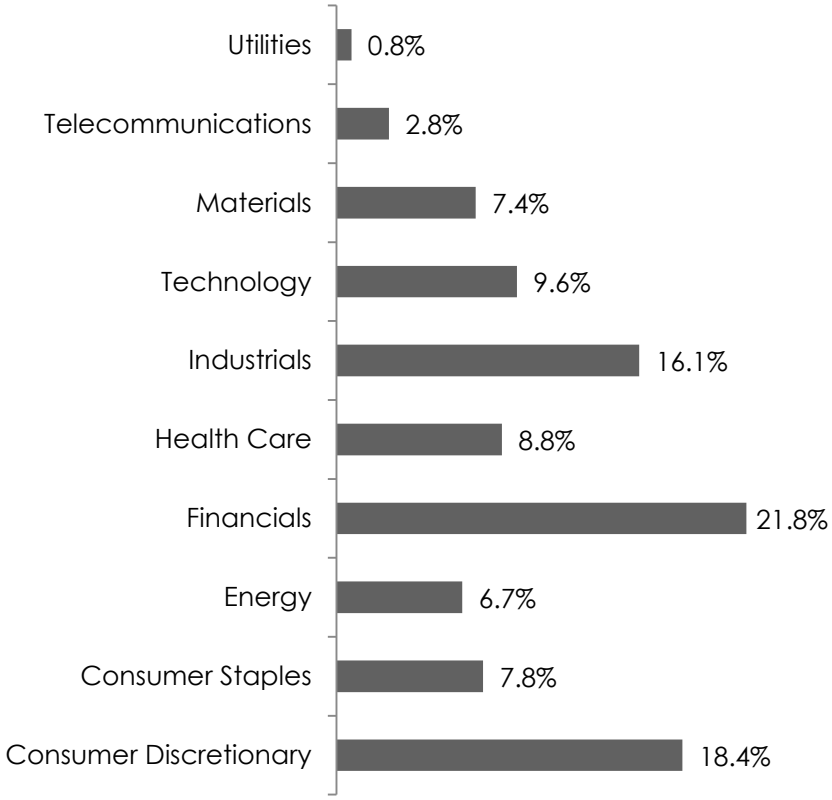
	Last 10 Years	% Rank	Last 5 Years	% Rank	Last 3 Years	% Rank	Last 1 Year	% Rank	Last Quarter	% Rank
Causeway	**8.0**	**38**	**19.2**	**21**	**8.5**	**24**	**19.1**	**21**	**0.2**	**63**
Northern Trust Passive	**-**		**-**		**-**		**-**		**0.9**	**79**
Thornburg	**-**		**14.8**	**77**	**3.1**	**82**	**9.0**	**81**	**-4.2**	**98**
MSCI ACWI Ex US	*6.5*		*-*		*-*		*-*		*-*	
ARI	**-**	**-**	**-**	**-**	**-**	**-**	***22.8***	**12**	***3.0***	**8**
EPOCH	**-**	**-**	**-**	**-**	**-**	**-**	***28.1***	**2**	***4.7***	**1**
Wasatch	**-**	**-**	**-**	**-**	**-**	**-**	***13.9***	**47**	***-1.5***	**87**
Wellington	**-**	**-**	**-**	**-**	**-**	**-**	***29.3***	***1***	***1.3***	***31***
MSCI EAFE Small Cap	*8.6*		*21.7*		*9.4*		*23.3*		*3.4*	

Total International Equity Portfolio Holdings Review

Largest Equity Positions

Position	% of Total Equity Allocation
Reed Elsevier	1.01%
AKZO Nobel	0.87%
Novo Nordisk	0.81%
Novartis AG	0.79%
Daimler AG	0.78%
Sanofi	0.76%
Siemens AG	0.74%
UBS AG	0.70%
Roche Holding AG	0.69%
KDDI	0.69%
Top Ten Total Weight	**7.84%**

Sector Weightings



Active International Equity Characteristics – Trailing Five Years

	Asset Class	Upside Capture Ratio %	Downside Capture Ratio %	Trailing Five Year Return	Correlation vs. S&P 500	Correlation vs. MSCI ACWI ex US
Causeway	Large Cap Value	128.14%	91.30%	19.2%	0.92	0.97
Northern Trust	Passive Index	100.0%	100.0%	16.0%	0.88	0.99
Thornburg	Large Cap Core	86.31%	90.5%	14.8%	0.92	0.99
Advisory Research	Small Cap Value	115.03%	70.32%	21.7%	0.85	0.95
EPOCH	Small Cal Value	143.82%	95.60%	22.5%	0.89	0.97
Wasatch	Small Cap Growth	175.10%	65.30%	26.3%	0.86	0.95
Wellington	Small Cap Growth	105.12%	88.50%	25.7%	0.92	0.99

Upside and downside capture ratios measured against the MSCI ACWI ex-US index.
*Composite performance used when necessary.

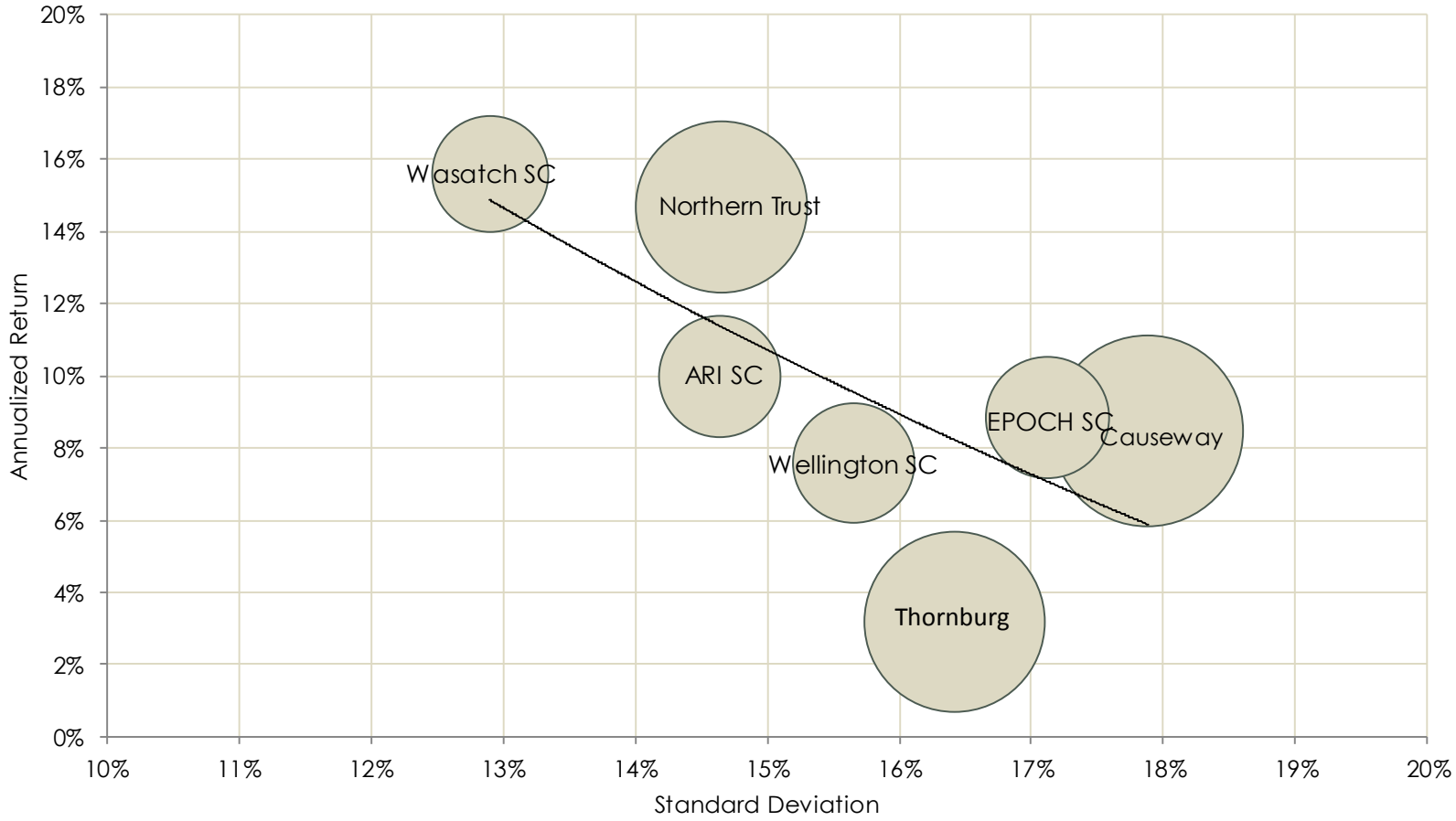
International Equity Portfolios: 5 Year Correlation Matrix

Trailing Five Years	ARI SCI	Causeway LCI	EPOCH SCI	Northern Trust	Thornburg LCI	Wasatch SCI	Wellington SCI
ARI SCI	-						
Causeway LCI	0.92	-					
EPOCH SCI	0.93	0.94	-				
Northern Trust Passive	0.93	0.97	0.96	-			
Thornburg LCI	0.90	0.96	0.95	0.98	-		
Wasatch SCI	0.87	0.88	0.94	0.94	0.93	-	
Wellington SCI	0.92	0.98	0.96	0.99	0.98	0.93	-

*Composite performance used when necessary.

International Equity Risk Return Comparison

Composite Data Used – Three Years Ended March 31, 2014



Performance – MLPs

	Last 5 Years	% Rank	Last 3 Years	% Rank	Last 1 Year	% Rank	Last Quarter	% Rank
Chickasaw	-	-	-	-	**31.1**	-	**9.9**	-
FAMCO	-	-	-	-	**14.4**	-	**5.4**	-
Swank	-	-	-	-	**28.1**	-	**8.7**	-
Alerian MLP	-		*13.5*		*8.5*		*1.9*	