

Board of Trustees 15 Estabrooke Drive Orono, ME 04469

June 4, 2018

Tel: 207-581-5840 Fax: 207-581-9212 www.maine.edu

TO: Members of the Investment Committee

FR: Ellen N. Doughty, Clerk of the Board

The University of Maine RE: June 14, 2018 Investment Committee Meeting

University of Maine at Augusta

The Investment Committee will meet from 9:00 am to 11:00 am on June 14,

2018. The following Polycom sites and conference call connection will be available:

University of Maine at Farmington

at Fort Kent

Polvcom:

University of Maine UMS – 253 Estabrooke Hall, 15 Estabrooke Drive, Orono

UMA – 125 Robinson Hall

USM – 211/211A Wishcamper

University of Maine at Machias UMFK – Alumni Conference Room

PHONE: 1-800-605-5167 code - 743544#

University of Maine at Presque Isle

University of Southern Maine The meeting materials have been posted to the Diligent Board Portal under Investment Committee section. Also these materials will be posted on the Board of Trustees website (http://www.maine.edu/about-the-system/board-of-trustees/meeting-agendas/investment-committee/). If you have questions about the meeting arrangements or accessing the meeting materials please call me at 581-5840.

Ellen Dongstot

If you have any questions or desire additional information about the agenda items, please call Tracy Elliott at 581-5492.

cc: Chancellor James Page

Trustees who are not members of the Committee

Presidents

Ryan Low

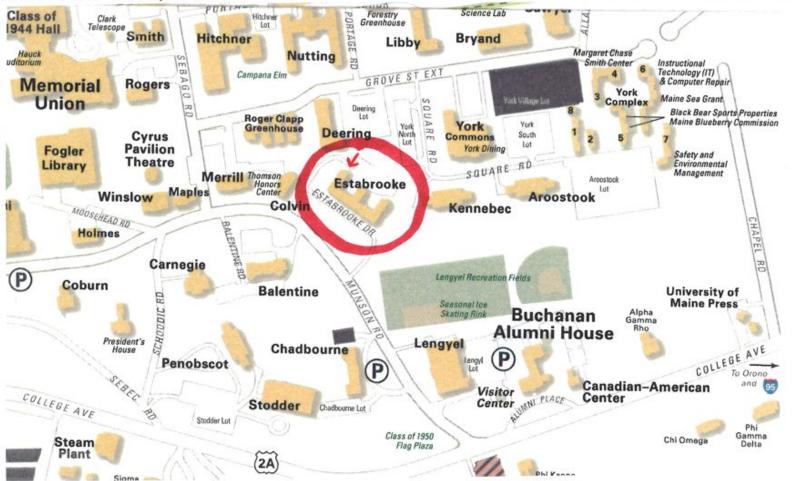
Robert Neely

Tracy Elliott

University of Maine System

15 Estabrooke Drive, Orono

Rudman Conference Room 253 Estabrooke Hall, 2nd Floor 15 Estabrooke Drive, Orono



Directions to the UMS located on the UMaine Campus

From the South on I-95: take exit 191 to Kelly Road and turn right. Continue on Kelly Road for 1 mile until you reach the traffic light, then turn left onto Route 2 and go through downtown Orono. Cross the river. Turn left at the lights onto College Avenue. Buchanan Alumni House will be the first campus-related building on your right. Right after the Buchanan Alumni House, take a right onto Muson Road. Estabrooke Hall is the building on the right after Lengyel.

From the North on I-95: take exit 191 to Kelly Road and turn left. Continue on Kelly Road for 1 mile until you reach the traffic light, then turn left onto Route 2 and go through downtown Orono. Cross the river. Turn left at the lights onto College Avenue. Buchanan Alumni House will be the first campus-related building on your right. Right after the Buchanan Alumni House, take a right onto Muson Road. Estabrooke Hall is the building on the right after Lengyel.

The UMS is located on the 2nd floor of Estabrooke Hall. Enter Estabrooke Hall from the back of the building, the entrance closes to Deering Hall.

Board of Trustees

Investment Committee

June 14, 2018 9:00 am to 11:00 am Rudman Conference Room, 253 Estabrooke Hall, Orono

AGENDA

Performance	Reviews:
TAB 1	Executive Summary
TAB 2	Managed Investment Pool (MIP)
TAB 3	Defined Benefit Pension Fund
TAB 4	Operating Cash Fund
9:30 am – 9:	45 am
TAB 5	Investment Policy Statements Updates
	 Managed Investment Pool
	Defined Benefit Pension Func
9:45 am – 10):45 am
TAB 6	Bank Loan Recommendation
10:45 am – 1	1:00 am

9:00 am - 9:30 am

TAB 7

Action items within the Committee purview are noted in green.

Items for Committee decisions and recommendations are noted in red.

Defined Contribution Plan Review

Note: Times are estimated based upon the anticipated length for presentation or discussion of a particular topic. An item may be brought up earlier or the order of items changed for effective deliberation of matters before the Committee.



AGENDA ITEM SUMMARY

1. NAME OF ITEM: Performance Review Executive Summary – Managed Investment Pool, Pension Fund and Operating Fund

2. INITIATED BY: Kelly Martin, Chair

3. BOARD INFORMATION: X BOARD ACTION:

4. OUTCOME: BOARD POLICY: Primary Outcomes: Section 709 - Investments

Enhance fiscal positioning

5. BACKGROUND:

Enclosed for your information is the executive summary performance report for all three portfolios for the quarter that ended March 31, 2018 along with April results.

Kelly Regan and Jay Roney of NEPC will provide a brief review at the June 14, 2018 Investment Committee meeting.

FIRST QUARTER 2018 INVESTMENT PERFORMANCE SUMMARY



UNIVERSITY OF MAINE SYSTEM

June 14, 2018

Jay E. Roney, Partner Kelly Regan, Senior Consultant



BOSTON | ATLANTA | CHARLOTTE | CHICAGO | DETROIT | LAS VEGAS | PORTLAND | SAN FRANCISCO

MARKET REVIEW

NEPC, LLC —

PERFORMANCE SUMMARY AS OF MARCH 31, 2018

Domestic Equity Benchmarks		Qtr.	<u>1 Yr.</u>	3 Yr.	<u>5 Yr.</u>	10 Yr.
Large Core	S&P 500	-0.8%	14.0%	10.8%	13.3%	9.5%
Small Core	Russell 2000	-0.1%	11.8%	8.4%	11.5%	9.8%
Small Growth	Russell 2000 Growth	2.3%	18.6%	8.8%	12.9%	11.0%
Small Value	Russell 2000 Value	-2.6%	5.1%	7.9%	10.0%	8.6%
Large Core	Russell 1000	-0.7%	14.0%	10.4%	13.2%	9.6%
Large Growth	Russell 1000 Growth	1.4%	21.3%	12.9%	15.5%	11.3%
Large Value	Russell 1000 Value	-2.8%	6.9%	7.9%	10.8%	7.8%
Mid Core	S&P Mid Cap 400	-0.8%	11.0%	9.0%	12.0%	10.9%
REIT	NAREIT Composite	-6.5%	-0.8%	3.2%	6.4%	6.9%
Int'l Equity Benchmarks		Qtr.	<u>1 Yr.</u>	<u>3 Yr.</u>	<u>5 Yr.</u>	10 Yr.
International Developed	MSCI EAFE	-1.5%	14.8%	5.6%	6.5%	2.7%
Emerging Equity	MSCI EM	1.4%	24.9%	8.8%	5.0%	3.0%
Small Cap Int'l	S&P EPAC SmallCap	-0.2%	23.6%	12.0%	11.4%	6.3%
World ex-US	MSCI ACWI ex-US	-1.2%	16.5%	6.2%	5.9%	2.7%
Domestic FI Benchmarks		Qtr.	<u>1 Yr.</u>	<u>3 Yr.</u>	<u>5 Yr.</u>	<u> 10 Yr.</u>
Core Bonds	Barclays Aggregate	-1.5%	1.2%	1.2%	1.8%	3.6%
Municipal Bond	Barclays Municipal	-1.1%	2.7%	2.3%	2.7%	4.4%
High Yield	Barclays US High Yield	-0.9%	3.8%	5.2%	5.0%	8.3%
Intermediate Gov/Cred	Barclays Interm. Gov/Credit	-1.0%	0.4%	0.9%	1.2%	2.9%
Long Gov/Credit	Barclays Long Gov/Credit	-3.6%	5.1%	2.1%	4.1%	6.8%
Long Credit	Barclays Long Credit	-3.8%	6.2%	3.3%	4.7%	7.5%
Long Treasuries	Barclays US 20+ Yr Treas	-3.4%	3.9%	0.3%	3.5%	5.9%
Cash	BofA ML US 3-Month T-Bill	0.4%	1.1%	0.5%	0.3%	0.3%
Inflation	Barclays US TIPS 1-10 Yr	-0.4%	0.4%	1.2%	-0.1%	2.2%
Global Inflation	Barclays Global ILB	1.6%	9.0%	3.4%	2.0%	2.8%
STRIPS	Barclays 20+ Yr STRIPS	-4.6%	6.6%	0.1%	5.3%	8.2%
Global FI Benchmarks		Qtr.	<u>1 Yr.</u>	3 Yr.	<u>5 Yr.</u>	<u> 10 Yr.</u>
World Gov. Bonds	Citigroup WGBI	2.5%	8.5%	3.5%	1.2%	2.0%
Em. Mkt. Bonds (Local)	JPM GBI-EM Glob. Div.	4.4%	13.0%	5.4%	-0.7%	3.8%
Diversified Benchmark		Qtr.	<u>1 Yr.</u>	<u>3 Yr.</u>	<u>5 Yr.</u>	<u> 10 Yr.</u>
Diversified	Diversified*	-1.1%	9.3%	6.3%	7.8%	6.5%
Alternative Benchmarks		Qtr.	<u>1 Yr.</u>	<u>3 Yr.</u>	<u>5 Yr.</u>	<u> 10 Yr.</u>
Commodities	Bloomberg Commodity Index	-0.4%	3.7%	-3.2%	-8.3%	-7.7%
Real Estate	NCREIF Property Index**	1.8%	7.0%	9.4%	10.2%	6.1%

* 35% LC, 10% SC, 12% Int'l, 3% Emerging, 25% FI, 5% HY, 5% Global FI, 5% REITS

**As of 12/31/2017



PERFORMANCE OVERVIEW

Q1 Market Summary

	Macro	ro Equity					Credit		Real Assets			
US Dollar	VIX	US 10-Yr	S&P 500	MSCI EAFE	MSCI EM	US Agg.	High Yield	Dollar EMD	Oil	Gold	REITS	
-2.3%	8.9	33 bps	-0.8%	-1.5%	1.4%	-1.5%	-0.9%	-1.8%	7.5%	1.7%	-6.5%	

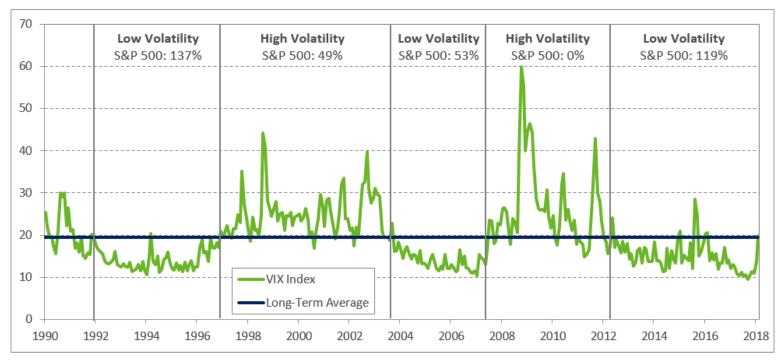
- After a strong year for equity markets in 2017, the first quarter of the year saw a spike in volatility – in part due to concerns over a potential trade war between the US and China
- After ending 2017 down over 10%, the US dollar continued to decline in Q1 relative to a basket of major currencies
 - As a result, emerging market equities fared well throughout the quarter and are still supported by strong earnings and GDP growth
- The US yield curve flattened as the Fed rate hike pushed short-term interest rates higher while long-term rates rose more modestly

Market segment (index representation) as follows: US Dollar (DXY Index), VIX (CBOE Volatility Index), US 10-Year (US 10-Year Treasury Yield), S&P 500 (US Equity), MSCI EAFE Index (International Developed Equity), MSCI Emerging Markets (Emerging Markets Equity), US Agg (Barclays US Aggregate Bond Index), High Yield (Barclays US High Yield Index), Dollar EMD (JPM Emerging Market Bond Index), Crude Oil (WTI Crude Oil Spot), Gold (Gold Price Spot), and REITs (NAREIT Composite Index).



THE RETURN OF VOLATILITY

- 2017 was one of the least-volatile markets in over half a century
 - The S&P 500 experienced only four greater than 1% moves in 2017, while in 2018 it has already seen 15 of that magnitude through the beginning of April
- Generally, a more volatile market environment was expected for 2018, but few expected the severity and consistency of swings we have already experienced this year in equity markets





Source: CBOE, Bloomberg

2018 THEMES AND OPPORTUNITIES

Key Market Themes

Extended US Economic Cycle

Synchronized Economic Resurgence

Federal Reserve Gradualism

China Transitions

Globalization Backlash

Current Opportunities

Trim US Equity Gains

Overweight Non-US Developed Market Equities

Maintain a Market Overweight to Emerging Market Equities

Allocate to TIPS

Reduce Return Seeking Credit Exposure

Fund Emerging Local Debt

Fund MLP Exposure From Risk Assets

Add Macro Hedge Funds

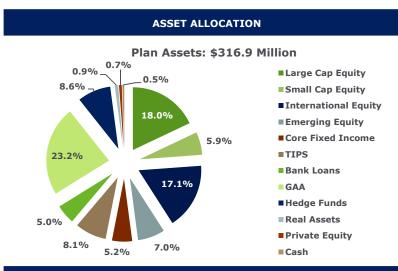
Add Long Volatility Exposure



MANAGED INVESTMENT POOL (MIP)

NEPC, LLC -

EXECUTIVE SUMMARY



MIP PERFORMANCE: NET OF FEES												
	QTR (%)	FYTD (%)	3 YR (%)	5 YR (%)	10 YR (%)							
COMPOSITE	-0.2	6.5	5.1	5.7	5.5							
ALLOC. INDEX	-0.3	7.5	5.8	6.3	5.3							
POLICY INDEX	-0.1	7.8	6.4	6.7	5.8							
RANK (E&F \$100-500M)	60	70	78	88	68							

PLAN COMMENTS

Asset Allocation

MIP assets were \$316.9 million as of March 31, 2018, a \$174 thousand decrease over the quarter. During the 1st quarter there was a \$300 thousand cash inflow from the Pool and investment losses of \$126 thousand. All asset classes are within policy ranges.

Performance (Net of Fees)

The Plan returned -0.2% in the 1^{st} quarter and 6.5% fiscal-year-to-date, ranking in the 60^{th} and 70^{th} , respectively.

Bank loan, equity long/short hedge fund, small cap growth equity, and international small cap equity managers were the top contributors to overall performance during the quarter. Emerging market equity, credit hedge fund and select global asset allocation managers detracted form overall performance during the quarter.

RECENT ACTIONS/RECOMMENDATIONS

Recent Actions

At the last meeting, Committee approved the asset allocation mix titled "Alternative Mix".

Rebalancing was provided to cover disbursements.

Recommendations

NEPC has provided information surrounding Bank Loans under separate cover.

NEPC has provided a revised Investment Policy Statement to reflect the new policy targets under separate cover.

Investment Manager Updates

Aberdeen, Guggenheim and Lighthouse had announcements during the $1^{\rm st}$ quarter; Client Review is recommended for Guggenheim.



	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
MIP Composite	316,899,080	100.0	100.0	-0.2	6.5	-0.2	9.7	9.7	5.1	5.7	5.9	5.5
Allocation Index				-0.3	7.5	-0.3	10.7	10.2	5.8	6.3	6.1	5.3
Policy Index				-0.1	7.8	-0.1	11.5	10.9	6.4	6.7	6.3	5.8
Total Domestic Large Cap	57,011,279	18.0	16.0	-0.8	10.5	-0.8	13.9	15.5	10.7	13.0	12.3	10.0
S&P 500				-0.8	10.6	-0.8	14.0	15.6	10.8	13.3	12.7	9.5
SSgA S&P 500	57,011,279	18.0	16.0	-0.8	10.5	-0.8	13.9	15.5	10.7	13.2	12.6	9.5
S&P 500				-0.8	10.6	-0.8	14.0	15.6	10.8	13.3	12.7	9.5
Total Domestic Small/Mid Cap	18,812,138	5.9	6.0	1.4	13.9	1.4	15.7	19.8	8.9	12.2	11.3	11.0
Russell 2500				-0.2	10.0	-0.2	12.3	16.8	8.2	11.5	10.9	10.3
Westfield Capital	9,501,593	3.0	3.0	4.3	19.2	4.3	23.5	22.7	9.2	12.6	11.7	11.5
Russell 2500 Growth				2.4	15.2	2.4	19.9	19.8	9.1	13.4	11.8	11.2
DFA	9,310,545	2.9	3.0	-2.2	7.6	-2.2	6.9	15.2	7.3	10.6	10.0	_
Russell 2000 Value				-2.6	4.4	-2.6	5.1	16.6	7.9	10.0	9.4	8.6
Total International Equity (including emerging markets)	76,200,112	24.0	23.0	-0.3	9.2	-0.3	16.0	12.9	6.1	5.2	5.0	3.1
MSCI EAFE				-1.5	8.2	-1.5	14.8	13.2	5.6	6.5	5.3	2.7
Morgan Stanley	20,464,423	6.5	6.3	-1.6	5.6	-1.6	13.7	11.3	4.9	5.3	5.6	3.4
Globeflex	21,144,839	6.7	6.3	0.1	12.2	0.1	19.1	14.2	8.4	8.2	6.4	2.5
MSCI EAFE				-1.5	8.2	-1.5	14.8	13.2	5.6	6.5	5.3	2.7
Kabouter International Opportunities Offshore Fund II	12,558,913	4.0	3.5	1.1		1.1	-		-	-		
MSCI EAFE Small Cap				0.2	14.2	0.2	23.5	17.1	12.3	11.1	8.7	6.5
Emerging Markets Equity	22,031,937	7.0	7.0	-0.3	8.3	-0.3	13.6	12.2	4.1	1.1	2.5	-
MSCI Emerging Markets				1.4	17.6	1.4	24.9	21.0	8.8	5.0	2.5	3.0
Aberdeen Emerging Mrkts	10,924,262	3.4	3.5	0.1	9.5	0.1	16.3	16.1	6.9	2.6	3.6	-
MSCI Emerging Markets				1.4	17.6	1.4	24.9	21.0	8.8	5.0	2.5	3.0
Mondrian EM Small Cap	11,107,675	3.5	3.5	-0.6	6.9	-0.6	10.6	8.0	1.3	_	_	_
MSCI Emerging Markets Small Cap				0.2	15.6	0.2	18.6	16.5	7.2	4.6	2.5	4.4
Total Fixed Income	57,774,596	18.2	18.0	-0.3	1.6	-0.3	2.8	3.5	2.4	2.8	4.5	4.6
BBgBarc US Aggregate TR				-1.5	-0.2	-1.5	1.2	0.8	1.2	1.8	2.9	3.6
Commonfund	16,451,408	5.2	5.0	-0.7	0.9	-0.7	2.7	2.5	2.0	2.6	3.9	4.3
BBgBarc US Aggregate TR				-1.5	-0.2	-1.5	1.2	0.8	1.2	1.8	2.9	3.6
Vanguard Inflation-Protected Securities	25,576,053	8.1	8.0	-0.9	1.1	-0.9	0.6	1.0	_	-	_	_
BBgBarc US TIPS TR				-0.8	1.3	-0.8	0.9	1.2	1.3	0.0	2.5	2.9
Guggenheim US Bank Loans	15,747,135	5.0	5.0	1.1	3.2	1.1	_		_	_	_	_
Credit Suisse Leveraged Loans				1.6	3.9	1.6	4.6	7.2	4.3	4.2	4.5	5.4



	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Total GAA	73,532,087	23.2	23.0	-0.4	3.7	-0.4	6.8	6.9	3.0	3.3	3.4	-
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				-0.1	8.1	-0.1	12.1	10.5	6.5	6.6	6.0	4.8
GMO Global Absolute Return	24,777,686	7.8	7.7	0.8	6.1	0.8	9.3	8.7	4.2	4.1	5.3	5.0
Blended Index				-1.0	1.3	-1.0	2.6	3.6	3.0	2.9	4.2	4.7
Wellington	24,757,459	7.8	7.7	-0.8	5.7	-0.8	10.3	11.4	5.9	6.2	3.9	-
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				-0.1	8.1	-0.1	12.1	10.5	6.5	6.6	6.0	4.8
Newton Global Real Return	23,996,942	7.6	7.7	-1.3	-0.7	-1.3	0.8	-	-	-	-	-
60% MSCI ACWI (Net)/ 40% BBgBarc Global Agg				0.0	7.8	0.0	11.7	9.9	6.2	6.2	5.7	4.6
Total Hedge Funds	27,101,448	8.6	9.0	0.6	4.7	0.6	4.9	6.1	1.7	2.4	1.5	2.0
HFRI Fund of Funds Composite Index				0.3	4.7	0.3	5.6	5.9	1.9	3.4	2.6	1.6
EntrustPermal	8,470,926	2.7	3.0	-2.6	-0.4	-2.6	0.8	3.7	-0.5	1.7	2.2	3.6
HFRI Fund of Funds Composite Index				0.3	4.7	0.3	5.6	5.9	1.9	3.4	2.6	1.6
Lighthouse	18,630,523	5.9	6.0	2.1	7.1	2.1	6.5	7.3	-	-	-	-
Credit Suisse Long Shrt Eqt USD				1.0	7.4	1.0	10.7	7.3	4.0	6.3	4.9	4.5
Total Real Assets	2,726,494	0.9	3.0	-0.2	1.9	-0.2	1.8	-1.6	0.2	2.8	3.9	-
NCREIF Timberland Index				0.9	3.1	0.9	3.8	3.8	3.5	6.1	5.8	4.1
John Hancock Timber Fund	2,726,494	0.9	3.0	-0.2	1.9	-0.2	1.8	-1.6	0.2	2.8	4.0	-0.1
NCREIF Timberland Index				0.9	3.1	0.9	3.8	3.8	3.5	6.1	5.8	4.1
Private Equity	2,115,274	0.7	2.0	0.0	9.6	0.0	14.3	13.1	10.5	-	-	-
Landmark Equity Partners XV	2,115,274	0.7	2.0	0.0	9.6	0.0	14.3	13.1	10.5	-	-	
Cambridge Associates US All PE (1 Qtr Lag)				5.3	13.2	5.3	17.6	15.4	12.0	13.6	13.3	9.8
Total Cash	1,625,653	0.5	0.0									
Distribution Account	1,625,653	0.5	0.0	0.3	0.7	0.3	0.8	0.4	0.3	0.2	0.2	0.4
91 Day T-Bills				0.4	0.9	0.4	1.2	0.8	0.5	0.3	0.3	0.3

Notes:

Fiscal YTD begins 7/1

Blended Index: 40% BC Aggregate, 30% BC U.S. TIPS 1-10YR, 10% S&P 500, 10% BC High Yield, 10% JPM EMBI+

Returns are net of manager fees

John Hancock Timber market value as of 03/31/18

Landmark market value as of 03/31/18



	Market Value (\$)	% of Portfolio	Policy %	1 Mo (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
MIP Composite	318,280,990	100.0	100.0	0.5	0.2	7.0	8.8	9.2	4.7	5.5	5.5	5.2
Allocation Index				0.4	0.1	7.9	9.8	9.8	5.4	6.0	5.7	5.0
Policy Index				0.5	0.4	8.3	10.6	10.6	6.0	6.4	6.0	5.5
Total Domestic Large Cap	57,232,088	18.0	16.0	0.4	-0.4	10.9	13.2	15.5	10.5	12.8	11.9	9.5
S&P 500				0.4	-0.4	11.0	13.3	15.6	10.6	13.0	12.3	9.0
SSgA S&P 500	57,232,088	18.0	16.0	0.4	-0.4	10.9	13.2	15.5	10.5	12.9	12.2	9.0
S&P 500				0.4	-0.4	11.0	13.3	15.6	10.6	13.0	12.3	9.0
Total Domestic Small/Mid Cap	20,324,095	6.4	6.0	0.9	2.3	15.0	15.9	18.9	9.8	12.5	10.9	10.4
Russell 2500				0.2	0.0	10.2	11.7	16.1	8.9	11.5	10.5	9.7
Westfield Capital	9,581,088	3.0	3.0	0.9	5.3	20.3	22.2	21.6	10.2	12.7	11.2	10.5
Russell 2500 Growth				-0.6	1.7	14.4	17.1	18.9	9.6	13.1	11.2	10.5
DFA	10,743,007	3.4	3.0	1.0	-1.3	8.6	8.5	14.5	8.0	11.1	9.9	
Russell 2000 Value				1.7	-1.0	6.2	6.5	16.4	9.3	10.4	9.4	8.5
Total International Equity (including emerging markets)	77,054,165	24.2	23.0	1.1	0.8	10.4	14.1	12.6	5.1	4.7	4.3	2.6
MSCI EAFE				2.3	0.7	10.7	14.5	12.9	4.9	5.9	4.8	2.4
Morgan Stanley	20,799,716	6.5	6.3	1.6	0.1	7.3	12.3	11.2	3.9	4.8	4.9	3.0
Globeflex	21,739,200	6.8	6.3	2.8	3.0	15.4	18.8	15.1	7.8	7.9	5.8	2.3
MSCI EAFE				2.3	0.7	10.7	14.5	12.9	4.9	5.9	4.8	2.4
Kabouter International Opportunities Offshore Fund II	12,638,310	4.0	3.5	0.6	1.7				_	_	_	
MSCI EAFE Small Cap				1.4	1.6	15.8	20.0	16.5	11.1	10.6	8.2	6.4
Emerging Markets Equity	21,876,939	6.9	7.0	-0.8	-1.0	7.5	10.2	10.5	2.8	0.7	1.9	-
MSCI Emerging Markets				-0.4	1.0	17.0	21.7	20.4	6.0	4.7	2.0	2.2
Aberdeen Emerging Mrkts	10,680,749	3.4	3.5	-2.2	-2.2	7.0	11.3	13.8	5.0	1.8	2.8	
MSCI Emerging Markets				-0.4	1.0	17.0	21.7	20.4	6.0	4.7	2.0	2.2
Mondrian EM Small Cap	11,196,190	3.5	3.5	0.7	0.0	7.6	8.7	7.0	0.6	-	-	
MSCI Emerging Markets Small Cap				-0.1	0.1	15.5	17.2	15.6	4.1	4.1	1.9	3.8
Total Fixed Income	57,706,858	18.1	18.0	-0.1	-0.4	1.5	1.9	2.8	2.1	2.5	4.2	4.6
BBgBarc US Aggregate TR				-0.7	-2.2	-1.0	-0.3	0.3	1.1	1.5	2.6	3.6
Commonfund	16,350,237	5.1	5.0	-0.6	-1.3	0.3	1.1	1.7	1.8	2.2	3.6	4.2
BBgBarc US Aggregate TR				-0.7	-2.2	-1.0	-0.3	0.3	1.1	1.5	2.6	3.6
Vanguard Inflation-Protected Securities	25,551,222	8.0	8.0	-0.1	-1.0	1.0	0.1	0.9	_	_	_	_
BBgBarc US TIPS TR				-0.1	-0.8	1.3	0.3	1.0	1.0	-0.1	2.1	3.1
Guggenheim US Bank Loans	15,805,399	5.0	5.0	0.4	1.5	3.6		-		-	-	
Credit Suisse Leveraged Loans				0.5	2.1	4.4	4.7	6.4	4.2	4.1	4.5	5.1



April 30, 2018

	Market Value (\$)	% of Portfolio	Policy %	1 Mo (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Total GAA	73,692,722	23.2	23.0	0.2	-0.3	3.9	5.7	6.0	2.4	3.0	3.1	-
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				0.1	-0.1	8.2	10.6	9.7	5.7	6.1	5.4	4.5
GMO Global Absolute Return	24,671,124	7.8	7.7	-0.5	0.2	5.6	7.7	8.0	3.5	3.6	4.9	4.9
Blended Index				-0.4	-1.4	1.0	1.3	2.9	2.7	2.6	3.9	4.6
Wellington	24,737,369	7.8	7.7	-0.2	-1.0	5.5	8.1	10.0	5.0	5.8	3.4	
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				0.1	-0.1	8.2	10.6	9.7	5.7	6.1	5.4	4.5
Newton Global Real Return	24,284,229	7.6	7.7	1.2	-0.1	0.5	1.3	-	-	-	-	
60% MSCI ACWI (Net)/ 40% BBgBarc Global Agg				-0.1	-0.1	7.7	10.1	9.0	5.5	5.7	5.1	4.4
Total Hedge Funds	27,268,982	8.6	9.0	0.6	1.2	5.3	5.3	6.0	2.0	2.4	1.4	1.9
HFRI Fund of Funds Composite Index				0.2	0.5	4.9	5.2	5.7	1.8	3.3	2.4	1.5
EntrustPermal	8,422,658	2.6	3.0	-0.6	-3.2	-1.0	-0.6	2.7	-0.6	1.4	2.0	3.5
HFRI Fund of Funds Composite Index				0.2	0.5	4.9	5.2	5.7	1.8	3.3	2.4	1.5
Lighthouse	18,846,323	5.9	6.0	1.2	3.3	8.4	8.2	7.7	-	-	-	-
Credit Suisse Long Shrt Eqt USD				0.3	1.3	7.7	9.4	7.8	4.1	6.0	4.7	4.3
Total Real Assets	2,726,494	0.9	3.0	0.0	-0.2	1.9	1.8	-1.6	0.2	2.8	3.9	-
NCREIF Timberland Index				0.0	0.9	3.1	3.8	3.8	3.5	6.1	5.8	4.1
John Hancock Timber Fund	2,726,494	0.9	3.0	0.0	-0.2	1.9	1.8	-1.6	0.2	2.8	4.0	-0.1
NCREIF Timberland Index				0.0	0.9	3.1	3.8	3.8	3.5	6.1	5.8	4.1
Private Equity	2,091,876	0.7	2.0	0.0	0.0	9.6	14.3	13.1	10.5	-	-	_
Landmark Equity Partners XV	2,091,876	0.7	2.0	0.0	0.0	9.6	14.3	13.1	10.5	-	-	
Cambridge Associates US All PE (1 Qtr Lag)				0.0	5.3	13.2	17.6	15.4	12.0	13.6	13.3	9.8
Total Cash	183,709	0.1	0.0									
Distribution Account	183,709	0.1	0.0	0.1	0.4	0.8	0.9	0.5	0.3	0.2	0.2	0.4
91 Day T-Bills				0.1	0.5	1.1	1.2	0.8	0.6	0.4	0.3	0.3

Notes:

Fiscal YTD begins 7/1

Blended Index: 40% BC Aggregate, 30% BC U.S. TIPS 1-10YR, 10% S&P 500, 10% BC High Yield, 10% JPM EMBI+

Returns are net of manager fees

John Hancock Timber market value estimated as of 04/30/18

Landmark market value estimated as of 04/30/18

Cash account includes \$1,043 currently being held in the MetWest account and \$1,108 being held in the TCW account

Guggenheim is preliminary while we await final manager statement.



April 30, 2018

PRIVATE MARKETS UPDATE

 The System invests in a number of private markets assets, committing capital for longer time periods to obtain illiquidity premiums and exposure to alternative markets

Landmark Equity Partners XV

- Secondary Private Equity fund, purchasing interests in venture capital, growth equity and buyout funds, and to a lesser extent, special situation and energy funds
- Strategy is diversified, investing in ~200 partnerships
- Fund has a 4 year investment period and 10 year term
- The System committed \$5 million in 2014 and has a remaining commitment of \$2.37 million
- Since inception, the strategy has an IRR of 16.5%, net of fees (9/30/17)

Hancock Timberland VII

- Private Real Asset Timber Fund structured for the purpose of making direct and indirect investments in commercial timberland
- The System has been invested in the strategy since 2005
- Fund has a 3 year acquisition period, 8 year investment period, 2 year wind up period and 2 year extension period (estimated)
- The System committed \$5 million in 2005 and there are no remaining commitments, the Fund is winding up
- Since inception, the strategy has an IRR of 1.5%, net of fees (3/31/18)



PENSION FUND

NEPC, LLC —

EXECUTIVE SUMMARY





PLAN PERFORMANCE: NET OF FEES												
	QTR (%)	FYTD (%)	3 YR (%)	5 YR (%)	10 YR (%)							
COMPOSITE	-0.6	3.6	3.7	4.6	4.3							
ALLOC. INDEX	-0.1	6.0	5.1	5.9	5.0							
POLICY INDEX	-0.2	5.7	5.3	6.1	5.6							
RANK (TRUST FUNDS)	62	82	84	83	86							

PLAN COMMENTS

Asset Allocation

The Plan's assets were \$29.7 million as of March 31, 2018, a \$1.2 million decrease during the first quarter. Investment losses were \$116 thousand and benefit payments amounted to \$1.1 million. All asset classes are within policy ranges.

Performance (Net of Fees)

The Fund returned -0.6% in the 1st quarter and 3.6% fiscal-year-to-date, ranking in the 62nd and 82nd percentiles, respectively.

The Fund ranks below median over all time periods due to the Fund's conservative asset allocation and select manager underperformance.

Bank loan, equity long/short hedge fund and real estate managers were the top contributors to overall performance during the quarter. Emerging market equity, credit hedge fund and global asset allocation managers detracted form overall performance during the quarter.

RECENT ACTIONS/RECOMMENDATIONS

Recent Actions

At the last meeting, Committee approved the asset allocation mix titled "Alternative ${\rm Mix}$ ".

Rebalancing was provided to cover benefit payments and expenses.

Recommendations

NEPC has provided information surrounding Bank Loans under separate cover.

NEPC has provided a revised Investment Policy Statement to reflect the new policy targets under separate cover.

Investment Manager Updates

Guggenheim and Lighthouse had announcements during the $1^{\rm st}$ quarter; Client Review is recommended for Guggenheim.



	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Pension Composite	29,739,883	100.0	100.0	-0.6	3.6	-0.6	6.1	6.5	3.7	4.6	4.9	4.3
Allocation Index				-0.1	6.0	-0.1	8.7	7.8	5.1	5.9	5.9	5.0
Policy Index				-0.2	5.7	-0.2	8.5	7.9	5.3	6.1	6.2	5.6
Total Domestic Large Cap	2,374,930	8.0	8.0	-0.8	10.6	-0.8	14.0	15.5	10.8	13.0	11.7	8.1
S&P 500				-0.8	10.6	-0.8	14.0	15.6	10.8	13.3	12.7	9.5
Vanguard S&P 500 Index	2,374,930	8.0	8.0	-0.8	10.6	-0.8	14.0	15.5	10.8			_
S&P 500				-0.8	10.6	-0.8	14.0	15.6	10.8	13.3	12.7	9.5
Total Small Cap Composite	1,213,388	4.1	4.0	-0.1	9.1	-0.1	11.8	18.8	8.4	11.2	10.1	-
Russell 2000				-0.1	9.1	-0.1	11.8	18.8	8.4	11.5	10.4	9.8
SSgA R2000 Index Fund Non Lending	1,213,388	4.1	4.0	-0.1	9.1	-0.1	11.8	18.8	8.4	11.3	10.2	_
Russell 2000				-0.1	9.1	-0.1	11.8	18.8	8.4	11.5	10.4	9.8
Total International Equity (including emerging markets)	3,029,220	10.2	10.0	-1.2	6.0	-1.2	12.6	10.3	3.9	3.6	4.3	2.5
MSCI EAFE				-1.5	8.2	-1.5	14.8	13.2	5.6	6.5	5.3	2.7
Morgan Stanley Int'l	2,129,783	7.2	7.0	-1.5	5.6	-1.5	13.7	11.4	5.1	5.4	5.7	3.4
MSCI EAFE				-1.5	8.2	-1.5	14.8	13.2	5.6	6.5	5.3	2.7
Emerging Markets Equity	899,437	3.0	3.0	-0.6	6.9	-0.6	10.6	8.0	1.3	-0.4		-
MSCI Emerging Markets				1.4	17.6	1.4	24.9	21.0	8.8	5.0	2.5	3.0
Mondrian EM Small Cap	899,437	3.0	3.0	-0.6	6.9	-0.6	10.6	8.0	1.3			_
MSCI Emerging Markets Small Cap				0.2	15.6	0.2	18.6	16.5	7.2	4.6	2.5	4.4
Total Fixed Income	9,373,615	31.5	32.0	-1.0	0.5	-1.0	1.8	1.9	1.7	1.9	3.4	4.7
BBgBarc US Aggregate TR				-1.5	-0.2	-1.5	1.2	0.8	1.2	1.8	2.9	3.6
Vanguard Total Bond Market Index	5,841,045	19.6	20.0	-1.5	-0.4	-1.5	1.1	0.8	1.1			
BBgBarc US Aggregate TR				-1.5	-0.2	-1.5	1.2	0.8	1.2	1.8	2.9	3.6
Vanguard Inflation-Protected Securities	2,003,056	6.7	7.0	-0.9	1.1	-0.9						
BBgBarc US TIPS TR				-0.8	1.3	-0.8	0.9	1.2	1.3	0.0	2.5	2.9
Guggenheim US Bank Loans	1,529,514	5.1	5.0	1.1	3.2	1.1	_					_
Credit Suisse Leveraged Loans				1.6	3.9	1.6	4.6	7.2	4.3	4.2	4.5	5.4
Total GAA	8,363,345	28.1	27.5	-1.0	2.6	-1.0	5.6	6.1	2.6	2.9	2.8	-
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				-0.1	8.1	-0.1	12.1	10.5	6.5	6.6	6.0	4.8
Wellington	4,257,515	14.3	13.8	-0.7	5.7	-0.7	10.4	11.5	6.0	6.3	4.0	_
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				-0.1	8.1	-0.1	12.1	10.5	6.5	6.6	6.0	4.8
Newton Global Real Return	4,105,830	13.8	13.8	-1.3	-0.7	-1.3	0.9					_
60% MSCI ACWI (Net) / 40% CITI WGBI				0.5	8.3	0.5	12.3	9.8	6.4	6.1	5.5	4.4



	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Total Alternative Investments	2,352,178	7.9	7.5	0.6	4.7	0.6	5.0	6.2	1.9	2.9	1.8	-
HFRI Fund of Funds Composite Index				0.3	4.7	0.3	5.6	5.9	1.9	3.4	2.6	1.6
EntrustPermal	755,926	2.5	2.5	-2.6	-0.4	-2.6	0.9	3.8	-0.4	1.8	2.2	3.6
HFRI Fund of Funds Composite Index				0.3	4.7	0.3	5.6	5.9	1.9	3.4	2.6	1.6
Lighthouse	1,596,252	5.4	5.0	2.1	7.1	2.1	6.5	7.3	-			
Credit Suisse Long Shrt Eqt USD				1.0	7.4	1.0	10.7	7.3	4.0	6.3	4.9	4.5
Total Real Assets	2,533,813	8.5	8.0									
Principal	2,533,813	8.5	8.0	1.9	5.8	1.9	8.0	8.5	9.7	11.0	11.7	4.3
NCREIF ODCE				2.2	6.3	2.2	8.1	8.2	10.0	11.4	11.8	5.1
Total Cash	499,395	1.7	3.0									
Distribution Account	499,395	1.7	3.0	0.3	0.7	0.3	0.8	0.4	0.3	0.2	0.1	0.3
91 Day T-Bills				0.4	0.9	0.4	1.2	0.8	0.5	0.3	0.3	0.3

Notes:

Fiscal YTD begins 7/1

Blended Index: 40% BC Aggregate, 30% BC U.S. TIPS 1-10YR, 10% S&P 500, 10% BC High Yield, 10% JPM EMBI+

Returns are net of manager fees



	Market Value (\$)	% of Portfolio	Policy %	1 Mo (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Pension Composite	29,485,409	100.0	100.0	0.3	-0.2	3.9	5.4	6.0	3.4	4.4	4.5	4.1
Allocation Index				0.1	0.0	6.1	7.7	7.4	4.9	5.6	5.6	4.7
Policy Index				0.0	-0.2	5.7	7.4	7.4	5.0	5.7	5.8	5.3
Total Domestic Large Cap	2,384,010	8.1	8.0	0.4	-0.4	11.0	13.2	15.5	10.5	12.8	11.3	7.6
S&P 500				0.4	-0.4	11.0	13.3	15.6	10.6	13.0	12.3	9.0
Vanguard S&P 500 Index	2,384,010	8.1	8.0	0.4	-0.4	11.0	13.2	15.5	10.5	_	_	_
S&P 500				0.4	-0.4	11.0	13.3	15.6	10.6	13.0	12.3	9.0
Total Small Cap Composite	1,224,040	4.2	4.0	0.9	0.8	10.0	11.5	18.4	9.7	11.5	9.9	-
Russell 2000				0.9	0.8	10.0	11.5	18.4	9.6	11.7	10.1	9.5
SSgA R2000 Index Fund Non Lending	1,224,040	4.2	4.0	0.9	0.8	10.0	11.5	18.4	9.7	11.6	9.9	
Russell 2000				0.9	0.8	10.0	11.5	18.4	9.6	11.7	10.1	9.5
Total International Equity (including emerging markets)	3,071,283	10.4	10.0	1.4	0.1	7.4	11.1	9.9	3.0	3.3	3.5	2.0
MSCI EAFE				2.3	0.7	10.7	14.5	12.9	4.9	5.9	4.8	2.4
Morgan Stanley Int'l	2,164,678	7.3	7.0	1.6	0.1	7.4	12.3	11.2	4.0	5.0	5.0	3.0
MSCI EAFE				2.3	0.7	10.7	14.5	12.9	4.9	5.9	4.8	2.4
Emerging Markets Equity	906,605	3.1	3.0	0.7	0.0	7.6	8.7	7.0	0.7	-0.5	-	-
MSCI Emerging Markets				-0.4	1.0	17.0	21.7	20.4	6.0	4.7	2.0	2.2
Mondrian EM Small Cap	906,605	3.1	3.0	0.7	0.0	7.6	8.7	7.0	0.7	-	-	
MSCI Emerging Markets Small Cap				-0.1	0.1	15.5	17.2	15.6	4.1	4.1	1.9	3.8
Total Fixed Income	9,329,343	31.6	32.0	-0.5	-1.4	0.0	0.6	1.3	1.6	1.6	3.1	4.6
BBgBarc US Aggregate TR				-0.7	-2.2	-1.0	-0.3	0.3	1.1	1.5	2.6	3.6
Vanguard Total Bond Market Index	5,793,059	19.6	20.0	-0.8	-2.3	-1.2	-0.5	0.2	1.0	-	-	
BBgBarc US Aggregate TR				-0.7	-2.2	-1.0	-0.3	0.3	1.1	1.5	2.6	3.6
Vanguard Inflation-Protected Securities	2,001,111	6.8	7.0	-0.1	-1.0	1.0	0.1	-	-	-	-	
BBgBarc US TIPS TR				-0.1	-0.8	1.3	0.3	1.0	1.0	-0.1	2.1	3.1
Guggenheim US Bank Loans	1,535,173	5.2	5.0	0.4	1.5	3.6		-	-	-	-	
Credit Suisse Leveraged Loans				0.5	2.1	4.4	4.7	6.4	4.2	4.1	4.5	5.1



April 30, 2018

	Market Value (\$)	% of Portfolio	Policy %	1 Mo (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Total GAA	8,406,918	28.5	27.5	0.5	-0.5	3.1	4.8	5.0	1.9	2.6	2.5	-
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				0.1	-0.1	8.2	10.6	9.7	5.7	6.1	5.4	4.5
Wellington	4,251,934	14.4	13.8	-0.2	-0.9	5.5	8.2	10.0	5.1	5.9	3.5	
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				0.1	-0.1	8.2	10.6	9.7	5.7	6.1	5.4	4.5
Newton Global Real Return	4,154,984	14.1	13.8	1.2	-0.1	0.5	1.4	-	-	-	-	
60% MSCI ACWI (Net) / 40% CITI WGBI				-0.2	0.3	8.1	10.5	8.9	5.6	5.6	4.9	4.2
Total Alternative Investments	2,366,360	8.0	7.5	0.6	1.2	5.3	5.3	6.0	2.4	3.0	1.8	-
HFRI Fund of Funds Composite Index				0.2	0.5	4.9	5.2	5.7	1.8	3.3	2.4	1.5
EntrustPermal	751,619	2.5	2.5	-0.6	-3.2	-1.0	-0.6	2.7	-0.6	1.4	2.0	3.5
HFRI Fund of Funds Composite Index				0.2	0.5	4.9	5.2	5.7	1.8	3.3	2.4	1.5
Lighthouse	1,614,741	5.5	5.0	1.2	3.3	8.4	8.2	7.7	-	-	-	
Credit Suisse Long Shrt Eqt USD				0.3	1.3	7.7	9.4	7.8	4.1	6.0	4.7	4.3
Total Real Assets	2,357,010	8.0	8.0									
Principal	2,357,010	8.0	8.0	0.9	2.8	6.8	8.5	8.7	9.8	11.1	11.7	4.4
NCREIF ODCE				0.0	2.2	6.3	8.1	8.2	10.0	11.4	11.8	5.1
Total Cash	346,445	1.2	3.0									
Distribution Account	346,445	1.2	3.0	0.1	0.4	8.0	0.9	0.5	0.3	0.2	0.2	0.3
91 Day T-Bills				0.1	0.5	1.1	1.2	0.8	0.6	0.4	0.3	0.3

Notes:

Fiscal YTD begins 7/1

Blended Index: 40% BC Aggregate, 30% BC U.S. TIPS 1-10YR, 10% S&P 500, 10% BC High Yield, 10% JPM EMBI+

Returns are net of manager fees

Guggenheim market value is preliminary



April 30, 2018

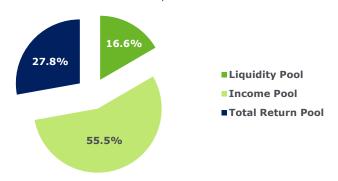
OPERATING FUND

NEPC, LLC —

EXECUTIVE SUMMARY

ASSET ALLOCATION

Plan Assets: \$296.0 Million



FUND PERFORMANCE: NET OF FEES									
	QTR (%)	FYTD (%)	3 YR (%)	5 YR (%)	10 YR (%)				
COMPOSITE	0.0	2.1	2.0	1.9	2.5				
ALLOCATION INDEX	0.1	2.4	2.3	2.3					

PLAN COMMENTS

Asset Allocation

The Fund's assets as of March 31, 2018 were \$296.0 million. This represents a \$24.7 million increase from the previous quarter.

The Liquidity Pool (16.6% v 25.0%), Income Pool (55.5% v 50.0%) and Total Return Pool (27.8% v 25.0%) are all within allowable ranges. Throughout the year, asset allocation will change based on cash inflows and outflows. NEPC reviews this on a monthly basis.

Performance (Net of Fees)

The Fund returned 0.0% during the 1st quarter and 2.1% fiscalyear-to-date.

RECENT ACTIONS/RECOMMENDATIONS

Recent Actions

The System implemented a portfolio rebalance during May to bring asset allocation in-line with policy targets.

The System transferred from BlackRock Strategic Income Opportunities Portfolio Institutional Class (BSIIX) to Class K (BSIKX) in May, resulting in a lower expense ratio.

Recommendations

There are no recommendations at this time.

NEPC conducted an annual review of the Investment Policy Statement and no updates are recommended.

Investment Manager Updates

PIMCO and Lighthouse had announcements during the 1st quarter; NEPC recommends a "Watch" status for both firms.



	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Fiscal YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Operating Funds Composite	296,011,327	100.0	100.0	0.0	2.1	2.9	3.5	2.0	1.9	2.3	2.5
Allocation Index				0.1	2.4	3.4	3.4	2.3	2.3	2.4	_
Liquidity Pool Composite	49,239,485	16.6	25.0	0.3	0.8	1.0	0.7	0.6	0.4	0.4	0.5
State Pool	33,152,670	11.2		0.3	0.9	1.1	0.9	0.7	0.5	0.4	0.6
BOA General Fund	2,606,813	0.9		0.0	0.0	0.1	0.0	0.0	0.0		-
Federated Gov't Obligations	751,878	0.3		0.3	0.8	0.9		-	-		
JP Morgan US Gov't Money Market Fund	12,728,124	4.3		0.3	0.7	0.9		-	-		
Citi 3mth Treasury Bill				0.3	0.9	1.1	0.7	0.5	0.3	0.2	0.3
Income Pool Composite	164,413,020	55.5	50.0	-0.2	0.7	1.2	2.1	1.6	1.6	2.1	3.4
Income Research + Management	86,981,573	29.4	26.7	-0.3	-0.2	0.2	0.5	0.7	0.8		
BBgBarc US Govt/Credit 1-3 Yr. TR				-0.2	-0.1	0.2	0.5	0.7	0.8	1.0	1.6
BlackRock Strategic Income Opportunities	22,007,473	7.4	6.7	0.4	2.8	3.8	4.7	-	-		
3-Month Libor Total Return USD				0.5	1.2	1.5	1.2	0.9	0.7	0.6	0.7
Loomis Sayles Bank Loans	22,110,546	7.5	6.7	1.0	2.8	3.5	5.1	3.5	3.2	3.8	4.5
Loomis Bank Loans Custom Index				1.2	3.3	4.0	5.0	3.9	4.0	4.4	5.7
Vanguard Total Bond Market Instl' Fund	16,752,887	5.7	5.0	-1.5	-0.3	1.2	0.8	1.1	1.8	2.9	
BBgBarc US Aggregate TR				-1.5	-0.2	1.2	0.8	1.2	1.8	2.9	3.6
Vanguard Inflation-Protected Securities	16,560,541	5.6	5.0	-0.9	1.1	0.6		-	-		
BBgBarc US TIPS TR				-0.8	1.3	0.9	1.2	1.3	0.0	2.5	2.9
Total Return Pool Composite	82,358,822	27.8	25.0	0.0	6.0	8.2	9.3	4.8	4.5	4.8	4.9
Lighthouse	14,401,780	4.9	5.0	2.1	7.1	6.5	7.3	-	-		
Credit Suisse Long Shrt Eqt USD				1.0	7.4	10.7	7.3	4.0	6.3	4.9	4.5
Newton Global Real Return	21,788,142	7.4	6.3	-1.3	-0.7	0.9		-	-		
60% MSCI ACWI (Net)/ 40% BBgBarc Global Agg				0.0	7.8	11.7	9.9	6.2	6.2	5.7	4.6
PIMCO All Asset	21,604,678	7.3	6.3	0.3	6.8	8.8	11.0	5.7	3.6	4.7	5.3
Blended Index				-1.0	1.3	2.6	3.6	3.0	2.9	4.2	4.7
Vanguard Total World Stock Index	24,564,222	8.3	7.5	-0.5	10.6	15.4	15.7	8.6	9.7		-
FTSE Global All Cap Index				-0.9	10.5	15.2	15.5	8.6	9.7	8.0	5.3

Returns are net of manager fees.

The inception date for the allocation index is 07/01/2009

Fiscal YTD begins 7/1

Blended Index: 40% BC Aggregate / 30% BC U.S. TIPS 1-10YR / 10% S&P 500 / 10% BC High Yield / 10% JPM EMBI+

Loomis Bank Loans Custom Index blends performance of "S&P/LSTA Leveraged Loan Index" before 9/1/2014 and "S&P/LSTA Leveraged BB Loan Index" after 9/1/2014. Composite excludes external loans.



	Market Value (\$)	% of Portfolio	Policy %	1 Mo (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Operating Funds Composite	286,347,307	100.0	100.0	0.2	0.2	2.2	2.7	3.3	1.9	1.8	2.2	2.4
Allocation Index				0.1	0.2	2.4	2.9	3.2	2.2	2.1	2.4	
Liquidity Pool Composite	39,174,022	13.7	25.0	0.1	0.4	0.9	1.0	0.8	0.6	0.4	0.4	0.5
State Pool	20,180,294	7.0		0.1	0.4	1.0	1.2	0.9	0.7	0.5	0.5	0.6
BOA General Fund	292,197	0.1		0.1	0.2	0.2	0.2	0.1	0.1	0.1	-	
Federated Gov't Obligations	1,154,095	0.4		0.1	0.4	0.9	1.0	-	-	-	-	
JP Morgan US Gov't Money Market Fund	17,547,436	6.1		0.1	0.4	0.9	1.0	-	-	-	-	-
Citi 3mth Treasury Bill				0.1	0.5	1.0	1.2	0.8	0.5	0.3	0.3	0.3
Income Pool Composite	164,234,228	57.4	50.0	-0.1	-0.3	0.6	0.8	1.7	1.5	1.5	2.0	3.1
Income Research + Management	86,953,169	30.4	26.7	-0.1	-0.4	-0.2	-0.1	0.4	0.7	0.8	-	
BBgBarc US Govt/Credit 1-3 Yr. TR				-0.1	-0.3	-0.2	-0.1	0.4	0.6	0.7	0.9	1.6
BlackRock Strategic Income Opportunities	21,936,151	7.7	6.7	-0.3	0.1	2.4	3.2	4.1	-	-	-	
3-Month Libor Total Return USD				0.2	0.7	1.4	1.6	1.3	1.0	0.7	0.6	0.7
Loomis Sayles Bank Loans	22,185,188	7.7	6.7	0.4	1.5	3.2	3.6	4.5	3.3	3.2	3.8	4.2
Loomis Bank Loans Custom Index				0.4	1.6	3.7	4.1	4.6	3.8	3.9	4.3	5.3
Vanguard Total Bond Market Instl' Fund	16,615,257	5.8	5.0	-0.8	-2.3	-1.2	-0.5	0.2	1.0	1.4	2.6	
BBgBarc US Aggregate TR				-0.7	-2.2	-1.0	-0.3	0.3	1.1	1.5	2.6	3.6
Vanguard Inflation-Protected Securities	16,544,463	5.8	5.0	-0.1	-1.0	1.0	0.0	-	-	-	-	
BBgBarc US TIPS TR				-0.1	-0.8	1.3	0.3	1.0	1.0	-0.1	2.1	3.1
Total Return Pool Composite	82,939,057	29.0	25.0	0.7	0.7	6.7	8.2	8.8	4.7	4.3	4.6	4.8
Lighthouse	14,568,599	5.1	5.0	1.2	3.3	8.4	8.2	7.7	-	-	-	
Credit Suisse Long Shrt Eqt USD				0.3	1.3	7.7	9.4	7.8	4.1	6.0	4.7	4.3
Newton Global Real Return	22,047,910	7.7	6.3	1.2	-0.1	0.5	1.4	-	-	-	-	
60% MSCI ACWI (Net)/ 40% BBgBarc Global Agg				-0.1	-0.1	7.7	10.1	9.0	5.5	5.7	5.1	4.4
PIMCO All Asset	21,622,503	7.6	6.3	0.1	0.4	6.9	8.4	9.4	4.8	3.1	4.3	5.2
Blended Index				-0.4	-1.4	1.0	1.3	2.9	2.7	2.6	3.9	4.6
Vanguard Total World Stock Index	24,700,045	8.6	7.5	0.6	0.0	11.2	14.2	15.2	7.9	9.2	-	
FTSE Global All Cap Index				1.0	0.1	11.6	14.5	15.2	8.0	9.4	7.6	4.8

Notes:

Returns are net of manager fees.

The inception date for the allocation index is 07/01/2009

Fiscal YTD begins 7/1

Blended Index: 40% BC Aggregate / 30% BC U.S. TIPS 1-10YR / 10% S&P 500 / 10% BC High Yield / 10% JPM EMBI+

Loomis Bank Loans Custom Index blends performance of "S&P/LSTA Leveraged Loan Index" before 9/1/2014 and "S&P/LSTA Leveraged BB Loan Index" after 9/1/2014.



April 30, 2018

MANAGER DUE DILIGENCE MONITOR

NEPC, LLC —

DUE DILIGENCE MONITOR

The items below summarize the recent quarter's performance and any changes or announcements from your Plan managers/funds. A "-" indicates there were no material announcements. A "Yes" indicates there was an announcement and a summary is provided separately. NEPC's Due Diligence Committee meets every two weeks to review events as they relate to investment managers and determines if any action should be taken by NEPC and/or by our clients. They rate events: No Action, Watch, Hold, Client Review or Terminate. With respect to Performance, a "-" indicates the manager/fund performed in line with the majority of managers/funds in the category; only outliers (placement in the Top or Bottom Quartile) are highlighted. Your Consultant's Recommendation is refreshed quarterly in view of the recent quarter's developments (performance, manager events, and any of the longer-term trending data). NEPC considers ourselves to be a fiduciary, as ERISA defines the term in Section 3(21).

Fund	MIP	Pension	Operating	Manager Changes/ Announcements (Recent Quarter)	NEPC Due Diligence Committee Recommendations
Aberdeen	Χ			Yes	Maintain Hold
Guggenheim	Χ	X		Yes	Client Review
Lighthouse	X	X	X	Yes	Watch
PIMCO			Χ	Yes	Watch

NEPC Due Diligence Committee Recommendation Key						
No Action	Informational items have surfaced; no action is recommended.					
Watch	Issues have surfaced to be concerned over; manager can participate in future searches, but current and prospective clients must be made aware of the issues.					
Hold	Serious issues have surfaced to be concerned over; manager cannot be in future searches unless a client specifically requests, but current and prospective clients must be made aware of the issues.					
Client Review	Very serious issues have surfaced with a manager; manager cannot be in future searches unless a client specifically requests. Current clients must be advised to review the manager.					
Terminate	We have lost all confidence in the product; manager would not be recommended for searches and clients would be discouraged from using. The manager cannot be in future searches unless a client specifically requests. Current clients must be advised to replace the manager.					



APPENDIX

NEPC, LLC —

GLOSSARY OF TERMS

Alpha - Measures the relationship between the fund performance and the performance of another fund or benchmark index and equals the excess return while the other fund or benchmark index is zero.

Alpha Jensen - The average return on a portfolio over and above that predicted by the capital asset pricing model (CAPM), given the portfolio's beta and the average market return. Also known as the abnormal return or the risk adjusted excess return.

Annualized Excess Return over Benchmark - Annualized fund return minus the annualized benchmark return for the calculated return.

Annualized Return - A statistical technique whereby returns covering periods greater than one year are converted to cover a 12 month time span.

Beta - Measures the volatility or systematic risk and is equal to the change in the fund's performance in relation to the change in the assigned index's performance.

Information Ratio - A measure of the risk adjusted return of a financial security, asset, or portfolio.

Formula:

(Annualized Return of Portfolio - Annualized Return of Benchmark)/Annualized Standard Deviation(Period Portfolio Return - Period Benchmark Return). To annualize standard deviation, multiply the deviation by the square root of the number of periods per year where monthly returns per year equals 12 and quarterly returns is four periods per year.

R-Squared – Represents the percentage of a fund's movements that can be explained by movements in an index. R-Squared values range from 0 to 100. An R-Squared of 100 denotes that all movements of a fund are completely explained by movements in the index.

Sharpe Ratio - A measure of the excess return or risk premium per unit of risk in an investment asset or trading strategy.

Sortino Ratio - A method to differentiate between good and bad volatility in the Sharpe Ratio. The differentiation of up and down volatility allows the calculation to provide a risk adjusted measure of a security or fund's performance without upward price change penalties.

Formula:

Calculation Average (X-Y)/Downside Deviation (X-Y) * 2Where X=Return Series X Y = Return Series Y which is the risk free return (91 day T-bills) **Standard Deviation** - The standard deviation is a statistical term that describes the distribution of results. It is a commonly used measure of volatility of returns of a portfolio, asset class, or security. The higher the standard deviation the more volatile the returns are.

Formula:

(Annualized Return of Portfolio – Annualized Return of Risk Free) / Annualized Standard Deviation (Portfolio Returns)

Tracking Error - Tracking error, also known as residual risk, is a measure of the degree to which a portfolio tracks its benchmark. It is also a measure of consistency of excess returns. Tracking error is computed as the annualized standard deviation of the difference between a portfolio's return and that of its benchmark.

Formula:

Tracking Error = Standard Deviation $(X-Y) * \sqrt{(\# of periods per year)}$ Where X = periods portfolio return and <math>Y = the period's benchmark returnFor monthly returns, the periods per year = 12 For quarterly returns, the periods per year = 4

Treynor Ratio - A risk-adjusted measure of return based on systematic risk. Similar to the Sharpe ratio with the difference being the Treynor ratio uses beta as the measurement of volatility.

Formula:

(Portfolio Average Return - Average Return of Risk-Free Rate)/Portfolio Beta

Up/Down Capture Ratio - A measure of what percentage of a market's returns is "captured" by a portfolio. For example, if the market declines 10% over some period, and the manager declines only 9%, then his or her capture ratio is 90%. In down markets, it is advantageous for a manager to have as low a capture ratio as possible. For up markets, the higher the capture ratio the better. Looking at capture ratios can provide insight into how a manager achieves excess returns. A value manager might typically have a lower capture ratio in both up and down markets, achieving excess returns by protecting on the downside, whereas a growth manager might fall more than the overall market in down markets. but achieve above-market returns in a rising market.

 $Upside Capture = Total Return (Fund Returns)/Total Returns (BMR eturn) \ when \ Period Benchmark \ Return \ is \ > \ = \ 0$

 $Downside Capture = Total Return (Fund Returns)/Total Returns (BMR eturn) \ when Benchmark < 0$

Data Source: InvestorForce



INFORMATION DISCLAIMER

Information Disclaimer

- Past performance is no guarantee of future results.
- All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.
- Some index returns displayed in this report or used in calculation of a policy, allocation or custom benchmark may not be available from the source or may be preliminary and subject to change.
- NEPC's source for portfolio pricing, calculation of accruals, and transaction information is the plan's custodial bank.
 Information on market indices and security characteristics is received from other sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
- This report is provided as a management aid for the client's internal use only. Performance contained in this report does not constitute a recommendation by NEPC.
- This report may contain confidential or proprietary information and may not be copied or redistributed to any party not legally entitled to receive it.

Reporting Methodology

- The client's custodian bank is NEPC's preferred data source unless otherwise directed. NEPC reconciles custodian data to manager data. If the custodian cannot provide accurate data, manager data may be used.
- Trailing time period returns are determined by geometrically linking the holding period returns, from the first full month after inception to the report date. Rates of Return are annualized when the time period is longer than a year. Performance is presented gross and/or net of manager fees as indicated on each page.
- For managers funded in the middle of a month, the "since inception" return will start with the first full month, although actual inception dates and cash flows are taken into account in all Composite calculations.
- This report may contain forward-looking statements that are based on NEPC's estimates, opinions and beliefs, but NEPC
 cannot guarantee that any plan will achieve its targeted return or meet other goals.





AGENDA ITEM SUMMARY

1. NAME OF ITEM: Performance Review – Managed Investment Pool

2. INITIATED BY: Kelly Martin, Chair

3. BOARD INFORMATION: X BOARD ACTION:

4. OUTCOME:Primary Outcomes:

BOARD POLICY:
Section 709 - Investments

Enhance fiscal positioning

5. BACKGROUND:

Enclosed for your information is the Managed Investment Pool performance report for the quarter that ended March 31, 2018.

Kelly Regan and Jay Roney of NEPC will provide a brief review at the June 14, 2018 Investment Committee meeting.

FIRST QUARTER 2018 INVESTMENT REVIEW



UNIVERSITY OF MAINE SYSTEM MANAGED INVESTMENT POOL

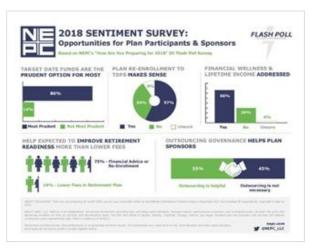
June 14, 2018

Jay E. Roney, Partner Kelly Regan, Senior Consultant



BOSTON | ATLANTA | CHARLOTTE | CHICAGO | DETROIT | LAS VEGAS | PORTLAND | SAN FRANCISCO

HIGHLIGHTS OF FIRST QUARTER HAPPENINGS AT NEPC



NEPC INSIGHTS

- Taking Stock: Corporate Pension Plans: Is it Time to Play Defense?
- White Paper: The Curse of Greed
- Taking Stock: Solar Tariffs: Too Much Shade for Solar?
- 2018 Annual Asset Allocation Letter
- Fourth Quarter Market Thoughts
- Defined Contribution Infographic: How Are You Preparing for 2018?
- Taking Stock: Are CTAs Positioned to Protect Portfolios?
- Taking Stock: Last Week's Market Correction: A Short-Term Blip or a Long-Term Trend?
- Taking Stock: Corporate Pension Plans: Navigating Tax Reform and Q4 Liability Performance
- Taking Stock: Instability and Indecision Fuel Political Uncertainty
- Taking Stock: Italy's Instability and Indecision Fuel Political Uncertainty, Part Due
- March 2018 Endowment & Foundation Survey Results & Infographic
- Taking Stock: What's the Deal with the High Turnover at the Fed?
- Taking Stock: The Fed Sticks to Script; Ups 2019 Projections
- Taking Stock: Ten Years Since the Global Financial Crisis, Part 2: The Ides of March

WEBINAR REPLAYS

2018 Market Outlook Webinar Replay

To download NEPC's recent insights and webinar replays, visit: www.NEPC.com/insights

RECENT UPDATES

- Our team continues to grow: Please join us in welcoming back Kristen Colvin, Principal and Member of the Defined Contribution team.
- We have updated our manager rating system! NEPC clients will see these changes in 2018 materials. We transitioned from a qualitatively-named rating system to a numerically-named system.



MARKET OUTLOOK

NEPC, LLC —

PERFORMANCE SUMMARY AS OF MARCH 31, 2018

Domestic Equity Benchmarks		Qtr.	<u>1 Yr.</u>	3 Yr.	<u>5 Yr.</u>	10 Yr.
Large Core	S&P 500	-0.8%	14.0%	10.8%	13.3%	9.5%
Small Core	Russell 2000	-0.1%	11.8%	8.4%	11.5%	9.8%
Small Growth	Russell 2000 Growth	2.3%	18.6%	8.8%	12.9%	11.0%
Small Value	Russell 2000 Value	-2.6%	5.1%	7.9%	10.0%	8.6%
Large Core	Russell 1000	-0.7%	14.0%	10.4%	13.2%	9.6%
Large Growth	Russell 1000 Growth	1.4%	21.3%	12.9%	15.5%	11.3%
Large Value	Russell 1000 Value	-2.8%	6.9%	7.9%	10.8%	7.8%
Mid Core	S&P Mid Cap 400	-0.8%	11.0%	9.0%	12.0%	10.9%
REIT	NAREIT Composite	-6.5%	-0.8%	3.2%	6.4%	6.9%
Int'l Equity Benchmarks		Qtr.	<u>1 Yr.</u>	<u>3 Yr.</u>	<u>5 Yr.</u>	10 Yr.
International Developed	MSCI EAFE	-1.5%	14.8%	5.6%	6.5%	2.7%
Emerging Equity	MSCI EM	1.4%	24.9%	8.8%	5.0%	3.0%
Small Cap Int'l	S&P EPAC SmallCap	-0.2%	23.6%	12.0%	11.4%	6.3%
World ex-US	MSCI ACWI ex-US	-1.2%	16.5%	6.2%	5.9%	2.7%
Domestic FI Benchmarks		Qtr.	<u>1 Yr.</u>	<u>3 Yr.</u>	<u>5 Yr.</u>	<u> 10 Yr.</u>
Core Bonds	Barclays Aggregate	-1.5%	1.2%	1.2%	1.8%	3.6%
Municipal Bond	Barclays Municipal	-1.1%	2.7%	2.3%	2.7%	4.4%
High Yield	Barclays US High Yield	-0.9%	3.8%	5.2%	5.0%	8.3%
Intermediate Gov/Cred	Barclays Interm. Gov/Credit	-1.0%	0.4%	0.9%	1.2%	2.9%
Long Gov/Credit	Barclays Long Gov/Credit	-3.6%	5.1%	2.1%	4.1%	6.8%
Long Credit	Barclays Long Credit	-3.8%	6.2%	3.3%	4.7%	7.5%
Long Treasuries	Barclays US 20+ Yr Treas	-3.4%	3.9%	0.3%	3.5%	5.9%
Cash	BofA ML US 3-Month T-Bill	0.4%	1.1%	0.5%	0.3%	0.3%
Inflation	Barclays US TIPS 1-10 Yr	-0.4%	0.4%	1.2%	-0.1%	2.2%
Global Inflation	Barclays Global ILB	1.6%	9.0%	3.4%	2.0%	2.8%
STRIPS	Barclays 20+ Yr STRIPS	-4.6%	6.6%	0.1%	5.3%	8.2%
Global FI Benchmarks		Qtr.	<u>1 Yr.</u>	3 Yr.	<u>5 Yr.</u>	<u> 10 Yr.</u>
World Gov. Bonds	Citigroup WGBI	2.5%	8.5%	3.5%	1.2%	2.0%
Em. Mkt. Bonds (Local)	JPM GBI-EM Glob. Div.	4.4%	13.0%	5.4%	-0.7%	3.8%
Diversified Benchmark		Qtr.	<u>1 Yr.</u>	<u>3 Yr.</u>	<u>5 Yr.</u>	<u> 10 Yr.</u>
Diversified	Diversified*	-1.1%	9.3%	6.3%	7.8%	6.5%
Alternative Benchmarks		Qtr.	<u>1 Yr.</u>	<u>3 Yr.</u>	<u>5 Yr.</u>	<u> 10 Yr.</u>
Commodities	Bloomberg Commodity Index	-0.4%	3.7%	-3.2%	-8.3%	-7.7%
Real Estate	NCREIF Property Index**	1.8%	7.0%	9.4%	10.2%	6.1%

^{* 35%} LC, 10% SC, 12% Int'l, 3% Emerging, 25% FI, 5% HY, 5% Global FI, 5% REITS

**As of 12/31/2017



PERFORMANCE OVERVIEW

Q1 Market Summary

	Macro			Equity			Credit			Real Assets	
US Dollar	VIX	US 10-Yr	S&P 500	MSCI EAFE	MSCI EM	US Agg.	High Yield	Dollar EMD	Oil	Gold	REITS
-2.3%	8.9	33 bps	-0.8%	-1.5%	1.4%	-1.5%	-0.9%	-1.8%	7.5%	1.7%	-6.5%

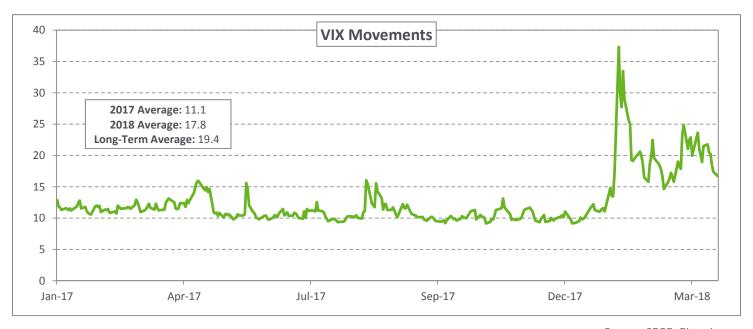
- After a strong year for equity markets in 2017, the first quarter of the year saw a spike in volatility – in part due to concerns over a potential trade war between the US and China
- After ending 2017 down over 10%, the US dollar continued to decline in Q1 relative to a basket of major currencies
 - As a result, emerging market equities fared well throughout the quarter and are still supported by strong earnings and GDP growth
- The US yield curve flattened as the Fed rate hike pushed short-term interest rates higher while long-term rates rose more modestly

Market segment (index representation) as follows: US Dollar (DXY Index), VIX (CBOE Volatility Index), US 10-Year (US 10-Year Treasury Yield), S&P 500 (US Equity), MSCI EAFE Index (International Developed Equity), MSCI Emerging Markets (Emerging Markets Equity), US Agg (Barclays US Aggregate Bond Index), High Yield (Barclays US High Yield Index), Dollar EMD (JPM Emerging Market Bond Index), Crude Oil (WTI Crude Oil Spot), Gold (Gold Price Spot), and REITs (NAREIT Composite Index).



THE RETURN OF VOLATILITY

- 2017 was one of the least-volatile markets in over half a century
 - The S&P 500 experienced only four greater than 1% moves in 2017, while in 2018 it has already seen 15 of that magnitude through the beginning of April
- Generally, a more volatile market environment was expected for 2018, but few expected the severity and consistency of swings we have already experienced this year in equity markets







2018 THEMES AND OPPORTUNITIES

Key Market Themes

Extended US Economic Cycle

Synchronized Economic Resurgence

Federal Reserve Gradualism

China Transitions

Globalization Backlash

Current Opportunities

Trim US Equity Gains

Overweight Non-US Developed Market Equities

Maintain a Market Overweight to Emerging Market Equities

Allocate to TIPS

Reduce Return Seeking Credit Exposure

Fund Emerging Local Debt

Fund MLP Exposure From Risk Assets

Add Macro Hedge Funds

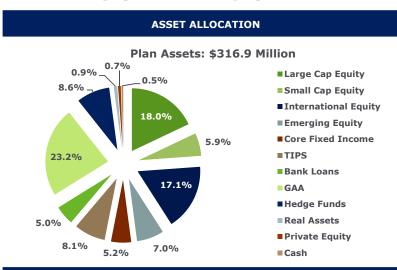
Add Long Volatility Exposure



EXECUTIVE SUMMARY

NEPC, LLC —

EXECUTIVE SUMMARY



MIP	MIP PERFORMANCE: NET OF FEES									
	QTR (%)	FYTD (%)	3 YR (%)	5 YR (%)	10 YR (%)					
COMPOSITE	-0.2	6.5	5.1	5.7	5.5					
ALLOC. INDEX	-0.3	7.5	5.8	6.3	5.3					
POLICY INDEX	-0.1	7.8	6.4	6.7	5.8					
RANK (E&F \$100-500M)	60	70	78	88	68					

PLAN COMMENTS

Asset Allocation

MIP assets were \$316.9 million as of March 31, 2018, a \$174 thousand decrease over the quarter. During the 1st quarter there was a \$300 thousand cash inflow from the Pool and investment losses of \$126 thousand. All asset classes are within policy ranges.

Performance (Net of Fees)

The Plan returned -0.2% in the 1^{st} quarter and 6.5% fiscal-year-to-date, ranking in the 60^{th} and 70^{th} , respectively.

Bank loan, equity long/short hedge fund, small cap growth equity, and international small cap equity managers were the top contributors to overall performance during the quarter. Emerging market equity, credit hedge fund and select global asset allocation managers detracted form overall performance during the quarter.

RECENT ACTIONS/RECOMMENDATIONS

Recent Actions

At the last meeting, Committee approved the asset allocation mix titled "Alternative Mix".

Rebalancing was provided to cover disbursements.

Recommendations

NEPC has provided information surrounding Bank Loans under separate cover.

NEPC has provided a revised Investment Policy Statement to reflect the new policy targets under separate cover.

Investment Manager Updates

Aberdeen, Guggenheim and Lighthouse had announcements during the $1^{\rm st}$ quarter; Client Review is recommended for Guggenheim.



DUE DILIGENCE MONITOR

The items below summarize the recent quarter's performance and any changes or announcements from your Plan managers/funds. A "-" indicates there were no material announcements. A "Yes" indicates there was an announcement and a summary is provided separately. NEPC's Due Diligence Committee meets every two weeks to review events as they relate to investment managers and determines if any action should be taken by NEPC and/or by our clients. They rate events: No Action, Watch, Hold, Client Review or Terminate. With respect to Performance, a "-" indicates the manager/fund performed in line with the majority of managers/funds in the category; only outliers (placement in the Top or Bottom Quartile) are highlighted. Your Consultant's Recommendation is refreshed quarterly in view of the recent quarter's developments (performance, manager events, and any of the longer-term trending data). NEPC considers ourselves to be a fiduciary, as ERISA defines the term in Section 3(21).

Fund	Manager Changes/ Announcements (Recent Quarter)	NEPC Due Diligence Committee Recommendations
Aberdeen	Yes	Maintain Hold
Guggenheim	Yes	Client Review
Lighthouse	Yes	Watch

	NEPC Due Diligence Committee Recommendation Key
No Action	Informational items have surfaced; no action is recommended.
Watch	Issues have surfaced to be concerned over; manager can participate in future searches, but current and prospective clients must be made aware of the issues.
Hold	Serious issues have surfaced to be concerned over; manager cannot be in future searches unless a client specifically requests, but current and prospective clients must be made aware of the issues.
Client Review	Very serious issues have surfaced with a manager; manager cannot be in future searches unless a client specifically requests. Current clients must be advised to review the manager.
Terminate	We have lost all confidence in the product; manager would not be recommended for searches and clients would be discouraged from using. The manager cannot be in future searches unless a client specifically requests. Current clients must be advised to replace the manager.



TOTAL PLAN PERFORMANCE DETAIL

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
MIP Composite	316,899,080	100.0	100.0	-0.2	6.5	-0.2	9.7	9.7	5.1	5.7	5.9	5.5
Allocation Index				-0.3	7.5	-0.3	10.7	10.2	5.8	6.3	6.1	5.3
Policy Index				-0.1	7.8	-0.1	11.5	10.9	6.4	6.7	6.3	5.8
Total Domestic Large Cap	57,011,279	18.0	16.0	-0.8	10.5	-0.8	13.9	15.5	10.7	13.0	12.3	10.0
S&P 500				-0.8	10.6	-0.8	14.0	15.6	10.8	13.3	12.7	9.5
SSgA S&P 500	57,011,279	18.0	16.0	-0.8	10.5	-0.8	13.9	15.5	10.7	13.2	12.6	9.5
S&P 500				-0.8	10.6	-0.8	14.0	15.6	10.8	13.3	12.7	9.5
Total Domestic Small/Mid Cap	18,812,138	5.9	6.0	1.4	13.9	1.4	15.7	19.8	8.9	12.2	11.3	11.0
Russell 2500				-0.2	10.0	-0.2	12.3	16.8	8.2	11.5	10.9	10.3
Westfield Capital	9,501,593	3.0	3.0	4.3	19.2	4.3	23.5	22.7	9.2	12.6	11.7	11.5
Russell 2500 Growth				2.4	15.2	2.4	19.9	19.8	9.1	13.4	11.8	11.2
DFA	9,310,545	2.9	3.0	-2.2	7.6	-2.2	6.9	15.2	7.3	10.6	10.0	
Russell 2000 Value				-2.6	4.4	-2.6	5.1	16.6	7.9	10.0	9.4	8.6
Total International Equity (including emerging markets)	76,200,112	24.0	23.0	-0.3	9.2	-0.3	16.0	12.9	6.1	5.2	5.0	3.1
MSCI EAFE				-1.5	8.2	-1.5	14.8	13.2	5.6	6.5	5.3	2.7
Morgan Stanley	20,464,423	6.5	6.3	-1.6	5.6	-1.6	13.7	11.3	4.9	5.3	5.6	3.4
Globeflex	21,144,839	6.7	6.3	0.1	12.2	0.1	19.1	14.2	8.4	8.2	6.4	2.5
MSCI EAFE				-1.5	8.2	-1.5	14.8	13.2	5.6	6.5	5.3	2.7
Kabouter International Opportunities Offshore Fund II	12,558,913	4.0	3.5	1.1		1.1						
MSCI EAFE Small Cap				0.2	14.2	0.2	23.5	17.1	12.3	11.1	8.7	6.5
Emerging Markets Equity	22,031,937	7.0	7.0	-0.3	8.3	-0.3	13.6	12.2	4.1	1.1	2.5	
MSCI Emerging Markets				1.4	17.6	1.4	24.9	21.0	8.8	5.0	2.5	3.0
Aberdeen Emerging Mrkts	10,924,262	3.4	3.5	0.1	9.5	0.1	16.3	16.1	6.9	2.6	3.6	
MSCI Emerging Markets				1.4	17.6	1.4	24.9	21.0	8.8	5.0	2.5	3.0
Mondrian EM Small Cap	11,107,675	3.5	3.5	-0.6	6.9	-0.6	10.6	8.0	1.3			
MSCI Emerging Markets Small Cap				0.2	15.6	0.2	18.6	16.5	7.2	4.6	2.5	4.4
Total Fixed Income	57,774,596	18.2	18.0	-0.3	1.6	-0.3	2.8	3.5	2.4	2.8	4.5	4.6
BBgBarc US Aggregate TR				-1.5	-0.2	-1.5	1.2	0.8	1.2	1.8	2.9	3.6
Commonfund	16,451,408	5.2	5.0	-0.7	0.9	-0.7	2.7	2.5	2.0	2.6	3.9	4.3
BBgBarc US Aggregate TR				-1.5	-0.2	-1.5	1.2	0.8	1.2	1.8	2.9	3.6
Vanguard Inflation-Protected Securities	25,576,053	8.1	8.0	-0.9	1.1	-0.9	0.6	1.0				
BBgBarc US TIPS TR				-0.8	1.3	-0.8	0.9	1.2	1.3	0.0	2.5	2.9
Guggenheim US Bank Loans	15,747,135	5.0	5.0	1.1	3.2	1.1						
Credit Suisse Leveraged Loans				1.6	3.9	1.6	4.6	7.2	4.3	4.2	4.5	5.4



TOTAL PLAN PERFORMANCE DETAIL

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Total GAA	73,532,087	23.2	23.0	-0.4	3.7	-0.4	6.8	6.9	3.0	3.3	3.4	
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				-0.1	8.1	-0.1	12.1	10.5	6.5	6.6	6.0	4.8
GMO Global Absolute Return	24,777,686	7.8	7.7	0.8	6.1	0.8	9.3	8.7	4.2	4.1	5.3	5.0
Blended Index				-1.0	1.3	-1.0	2.6	3.6	3.0	2.9	4.2	4.7
Wellington	24,757,459	7.8	7.7	-0.8	5.7	-0.8	10.3	11.4	5.9	6.2	3.9	
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				-0.1	8.1	-0.1	12.1	10.5	6.5	6.6	6.0	4.8
Newton Global Real Return	23,996,942	7.6	7.7	-1.3	-0.7	-1.3	8.0					
60% MSCI ACWI (Net)/ 40% BBgBarc Global Agg				0.0	7.8	0.0	11.7	9.9	6.2	6.2	5.7	4.6
Total Hedge Funds	27,101,448	8.6	9.0	0.6	4.7	0.6	4.9	6.1	1.7	2.4	1.5	2.0
HFRI Fund of Funds Composite Index				0.3	4.7	0.3	5.6	5.9	1.9	3.4	2.6	1.6
EntrustPermal	8,470,926	2.7	3.0	-2.6	-0.4	-2.6	8.0	3.7	-0.5	1.7	2.2	3.6
HFRI Fund of Funds Composite Index				0.3	4.7	0.3	5.6	5.9	1.9	3.4	2.6	1.6
Lighthouse	18,630,523	5.9	6.0	2.1	7.1	2.1	6.5	7.3				
Credit Suisse Long Shrt Eqt USD				1.0	7.4	1.0	10.7	7.3	4.0	6.3	4.9	4.5
Total Real Assets	2,726,494	0.9	3.0	-0.2	1.9	-0.2	1.8	-1.6	0.2	2.8	3.9	
NCREIF Timberland Index				0.9	3.1	0.9	3.8	3.8	3.5	6.1	5.8	4.1
John Hancock Timber Fund	2,726,494	0.9	3.0	-0.2	1.9	-0.2	1.8	-1.6	0.2	2.8	4.0	-0.1
NCREIF Timberland Index				0.9	3.1	0.9	3.8	3.8	3.5	6.1	5.8	4.1
Private Equity	2,115,274	0.7	2.0	0.0	9.6	0.0	14.3	13.1	10.5			
Landmark Equity Partners XV	2,115,274	0.7	2.0	0.0	9.6	0.0	14.3	13.1	10.5			
Cambridge Associates US All PE (1 Qtr Lag)				5.3	13.2	5.3	17.6	15.4	12.0	13.6	13.3	9.8
Total Cash	1,625,653	0.5	0.0									
Distribution Account	1,625,653	0.5	0.0	0.3	0.7	0.3	8.0	0.4	0.3	0.2	0.2	0.4
91 Day T-Bills				0.4	0.9	0.4	1.2	0.8	0.5	0.3	0.3	0.3

Notes:

Fiscal YTD begins 7/1

Blended Index: 40% BC Aggregate, 30% BC U.S. TIPS 1-10YR, 10% S&P 500, 10% BC High Yield, 10% JPM EMBI+

Returns are net of manager fees

John Hancock Timber market value as of 03/31/18

Landmark market value as of 03/31/18

PRIVATE MARKETS UPDATE

 The System invests in a number of private markets assets, committing capital for longer time periods to obtain illiquidity premiums and exposure to alternative markets

Landmark Equity Partners XV

- Secondary Private Equity fund, purchasing interests in venture capital, growth equity and buyout funds, and to a lesser extent, special situation and energy funds
- Strategy is diversified, investing in ~200 partnerships
- Fund has a 4 year investment period and 10 year term
- The System committed \$5 million in 2014 and has a remaining commitment of \$2.37 million
- Since inception, the strategy has an IRR of 16.5%, net of fees (9/30/17)

Hancock Timberland VII

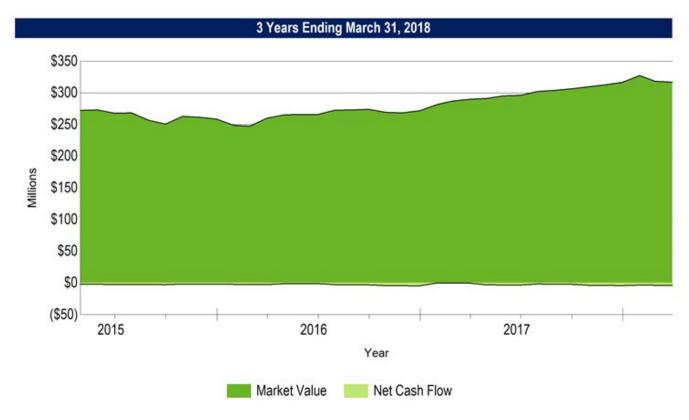
- Private Real Asset Timber Fund structured for the purpose of making direct and indirect investments in commercial timberland
- The System has been invested in the strategy since 2005
- Fund has a 3 year acquisition period, 8 year investment period, 2 year wind up period and 2 year extension period (estimated)
- The System committed \$5 million in 2005 and there are no remaining commitments, the Fund is winding up
- Since inception, the strategy has an IRR of 1.5%, net of fees (3/31/18)



PLAN SUMMARY AND STATISTICS

NEPC, LLC —

ASSET GROWTH SUMMARY



	Last Three Months	Fiscal Year-To-Date	One Year	Three Years
Beginning Market Value	\$316,725,911	\$296,129,542	\$289,953,967	\$269,901,276
Net Cash Flow	\$299,484	-\$491,658	-\$3,458,518	-\$3,983,043
Net Investment Change	-\$126,315	\$21,261,196	\$30,403,631	\$50,980,848
Ending Market Value	\$316,899,080	\$316,899,080	\$316,899,080	\$316,899,080



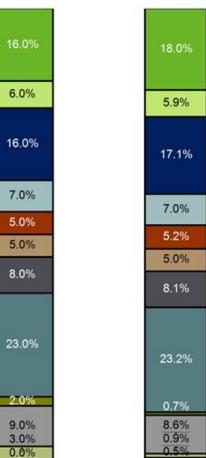
CASH FLOW SUMMARY

			3 Months Ending	March 31, 2018		
	Beginning Market Value	Contributions	Withdrawals	Net Cash Flow	Net Investment Change	Ending Market Value
Aberdeen Emerging Mrkts	\$10,917,498	\$0	-\$30,966	-\$30,966	\$37,730	\$10,924,262
Commonfund	\$15,553,798	\$1,000,000	-\$6,308	\$993,692	-\$96,082	\$16,451,408
DFA	\$8,731,242	\$800,000	-\$9,126	\$790,874	-\$211,571	\$9,310,545
Distribution Account	\$223,603	\$3,729,976	-\$2,329,695	\$1,400,281	\$1,769	\$1,625,653
EntrustPermal	\$8,699,775	\$0	\$0	\$0	-\$228,849	\$8,470,926
Globeflex	\$19,711,463	\$1,425,000	-\$39,133	\$1,385,867	\$47,508	\$21,144,839
GMO Global Absolute Return	\$24,528,949	\$0	-\$62,590	-\$62,590	\$311,327	\$24,777,686
Guggenheim US Bank Loans	\$15,574,549	\$0	-\$19,643	-\$19,643	\$192,229	\$15,747,135
John Hancock Timber Fund	\$5,135,385	\$0	-\$2,400,150	-\$2,400,150	-\$8,741	\$2,726,494
Kabouter International Opportunities Offshore Fund II	\$11,436,908	\$1,000,000	-\$30,135	\$969,865	\$152,140	\$12,558,913
Landmark Equity Partners XV	\$1,907,282	\$446,078	-\$238,086	\$207,992	\$0	\$2,115,274
Lighthouse	\$18,240,996	\$0	\$0	\$0	\$389,527	\$18,630,523
Mondrian EM Small Cap	\$11,170,148	\$0	-\$77,028	-\$77,028	\$14,555	\$11,107,675
Morgan Stanley	\$19,340,979	\$1,425,000	-\$47,615	\$1,377,385	-\$253,941	\$20,464,423
Newton Global Real Return	\$24,301,128	\$0	-\$47,938	-\$47,938	-\$256,249	\$23,996,942
SSgA S&P 500	\$60,670,469	\$0	-\$3,226,461	-\$3,226,461	-\$432,730	\$57,011,279
Vanguard Inflation-Protected Securities	\$24,799,411	\$1,000,000	-\$4,344	\$995,656	-\$219,014	\$25,576,053
Wellington	\$24,964,485	\$0	-\$136,238	-\$136,238	-\$70,788	\$24,757,459
Westfield Capital	\$10,817,843	\$0	-\$1,821,115	-\$1,821,115	\$504,865	\$9,501,593
Total	\$316,725,911	\$10,826,054	-\$10,526,570	\$299,484	-\$126,315	\$316,899,080



ASSET CLASS ALLOCATIONS





	Asset Alloc	ation vs.	Target			
	Current	Policy	Current D	Difference	Policy Range	Within Range
Large Cap Equity	\$57,011,279	16.0%	18.0%	2.0%	11.0% - 21.0%	Yes
Small/Mid Cap Equity	\$18,812,138	6.0%	5.9%	-0.1%	0.0% - 9.0%	Yes
International Equity	\$54,168,175	16.0%	17.1%	1.1%	11.0% - 21.0%	Yes
Emerging Markets Equity	\$22,031,937	7.0%	7.0%	0.0%	0.0% - 10.0%	Yes
Core Bonds	\$16,451,408	5.0%	5.2%	0.2%	0.0% - 10.0%	Yes
Bank Loans	\$15,747,135	5.0%	5.0%	0.0%	0.0% - 8.0%	Yes
TIPS	\$25,576,053	8.0%	8.1%	0.1%	4.0% - 12.0%	Yes
Global Asset Allocation	\$73,532,087	23.0%	23.2%	0.2%	18.0% - 28.0%	Yes
Private Equity	\$2,115,274	2.0%	0.7%	-1.3%	0.0% - 5.0%	Yes
Hedge Funds	\$27,101,448	9.0%	8.6%	-0.4%	0.0% - 15.0%	Yes
Real Assets	\$2,726,494	3.0%	0.9%	-2.1%	0.0% - 6.0%	Yes
Cash	\$1,625,653	0.0%	0.5%	0.5%	0.0% - 10.0%	Yes
Total	\$316,899,080	100.0%	100.0%			



Look Through

19.4%

5.9%

23.1%

10.4%

8.1% 5.0%

8.1% 3.4%

0.7%

11.1%

1.6%

3.2%

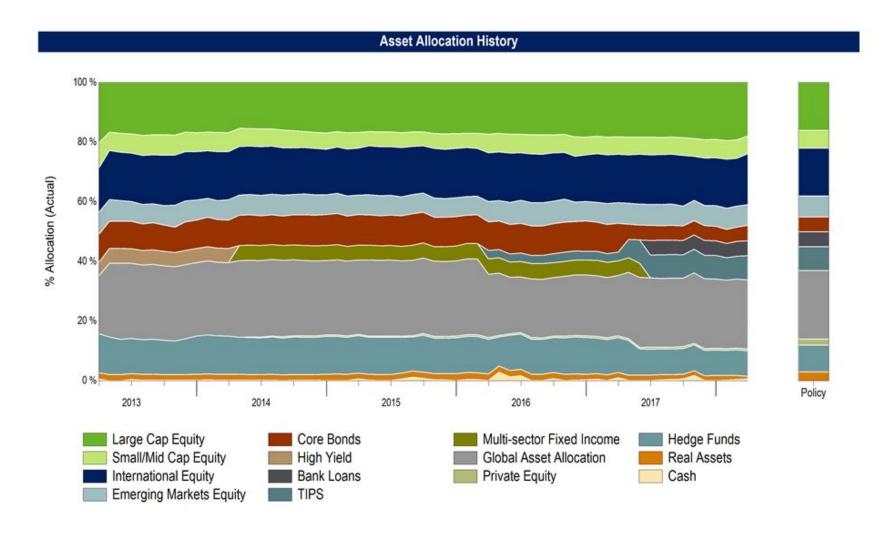
100.0%

ASSET CLASS ALLOCATIONS

		A CONTRACTOR OF	Ass	et Allocation		
Policy	Current	Look Through		Policy	Current	Look Through
200			Large Cap Equity	16.0%	18.0%	19.4%
			Small/Mid Cap Equity	6.0%	5.9%	5.9%
16.0%	10000		International Equity	16.0%	17.1%	23.1%
10.070	18.0%	19.4%	Emerging Markets Equity	7.0%	7.0%	10.4%
			Core Bonds	5.0%	5.2%	8.1%
0.004			Bank Loans	5.0%	5.0%	5.0%
6.0%	5.9%	E 00/	TIPS	8.0%	8.1%	8.1%
		5.9%	Diversified Fixed Income		-	3.4%
			Global Asset Allocation	23.0%	23.2%	
16.0%	17.1%		Private Equity	2.0%	0.7%	0.7%
	17.170	4440.000.00	Hedge Funds	9.0%	8.6%	11.1%
		23.1%	Real Assets	3.0%	0.9%	1.6%
7.0%			Cash	0.0%	0.5%	3.2%
	7.0%		Total	100.0%	100.0%	100.0%
8.0%	5.2% 5.0% 8.1%		Net Asset Allocation breaks out the exposure of GAA managers. Asset class weights may not add up to 100%			
23.0%	23.2%	5.0%	The 60% MSCI ACWI/40% CITI WGBI Index is broken down into the following ca Freasury Bonds, 13.3% European Government Bonds, 8.0% Japanese Debt, 2.3 Diversified Fixed Income bucket includes: multi-sector fixed income., non-U.S. fix	% United Kingdom Bonds and 2.8% Developing		3 Equities, 13.6% US
9.0% 3.0% 0.0%	8.6% 0.9% 0.5%	11.1% 1.6% 3.2%				

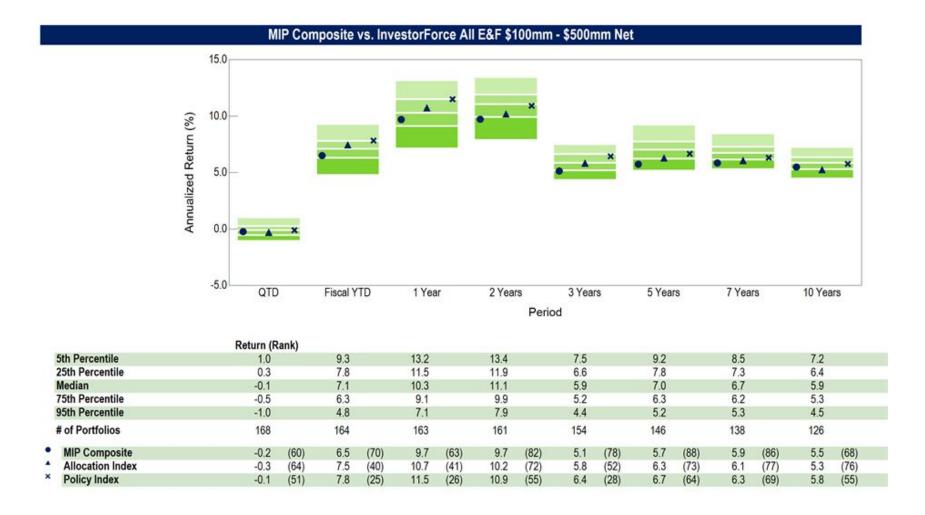


ASSET ALLOCATION HISTORY



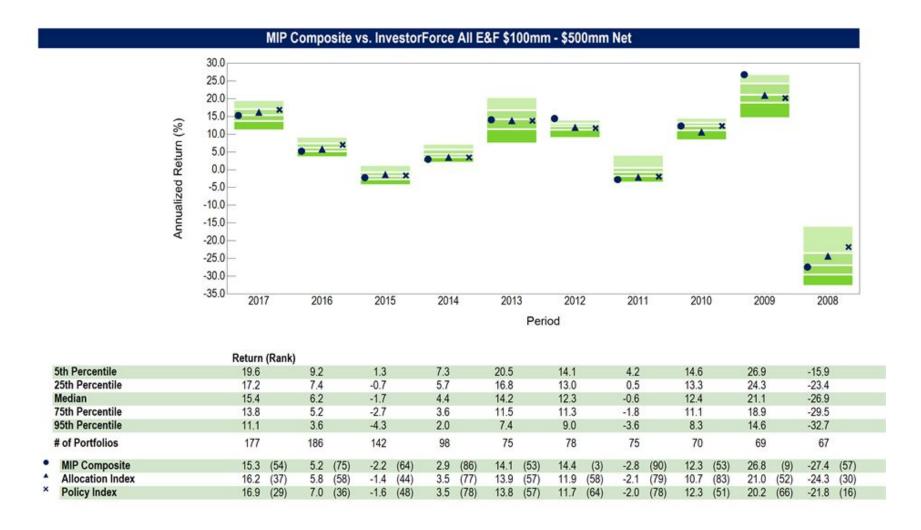


RETURNS VS. PEER UNIVERSE





RETURNS VS. PEER UNIVERSE





ALLOCATIONS VS. PEER UNIVERSE

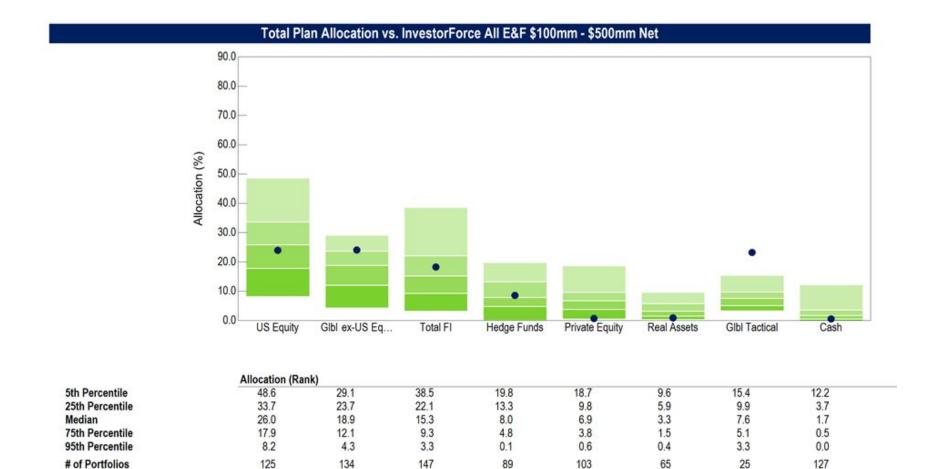
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(60)

24.0

(24)

18.2





MIP Composite

0.5

(76)

(39)

8.6

(43)

0.7

(95)

0.9

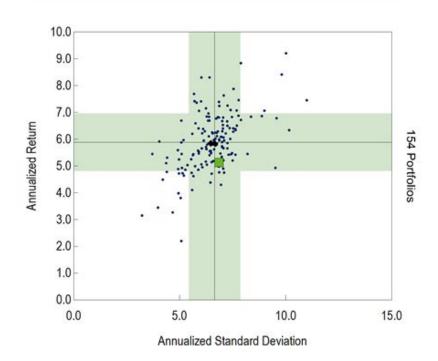
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23.2

(1)

TOTAL PLAN RISK/RETURN - 3 YEAR

3 Years Ending March 31, 2018



3 Years Ending March 31, 2018										
	Anlzd Ret	Rank	Anlzd Std Dev	Rank						
MIP Composite	5.1%	78	6.9%	61						
Allocation Index	5.8%	52	6.5%	45						
Policy Index	6.4%	28	6.6%	48						
InvestorForce All E&F \$100mm - \$500mm Net Median	5.9%	-	6.6%	-						

3 Years Ending March 31, 2018				
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
MIP Composite	0.7	85	0.9	86
Allocation Index	0.8	49	1.2	38
Policy Index	0.9	26	1.3	20
InvestorForce All E&F \$100mm - \$500mm Net Median	0.8		1.1	

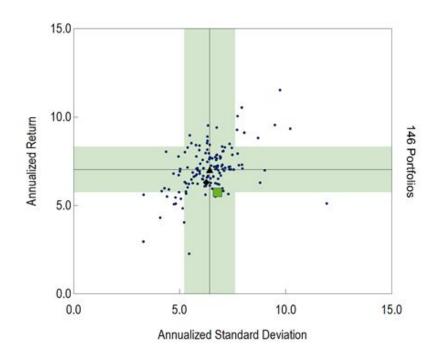
- MIP Composite
- Allocation Index
- Universe Median
- 68% Confidence Interval
- InvestorForce All E&F \$100mm \$500mm Net

^{*}Returns are net of fees.



TOTAL PLAN RISK/RETURN - 5 YEAR

5 Years Ending March 31, 2018



5 Years Ending March 31, 2018				
	Anlzd Ret	Rank	Anlzd Std Dev	Rank
MIP Composite	5.7%	88	6.8%	69
Allocation Index	6.3%	73	6.3%	41
Policy Index	6.7%	64	6.3%	41
InvestorForce All E&F \$100mm - \$500mm Net Median	7.0%		6.4%	-

5 Years Ending March 31, 2018				
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
MIP Composite	0.8	94	1.3	94
Allocation Index	1.0	74	1.6	60
Policy Index	1.0	57	1.7	50
InvestorForce All E&F \$100mm - \$500mm Net Median	1.1		1.7	

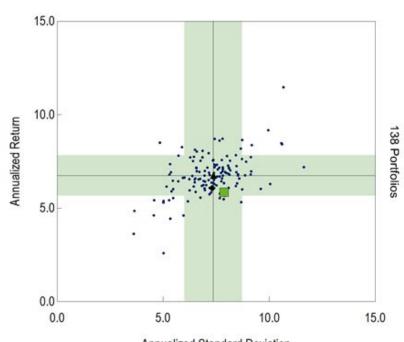
- MIP Composite
- Allocation Index
- ▲ Universe Median
- 68% Confidence Interval
- InvestorForce All E&F \$100mm \$500mm Net

^{*}Returns are net of fees.



TOTAL PLAN RISK/RETURN - 7 YEAR

7 Years Ending March 31, 2018



7 Years Ending March 31, 2018				
	Anlzd Ret	Rank	Anlzd Std Dev	Rank
MIP Composite	5.9%	86	7.9%	73
Allocation Index	6.1%	77	7.3%	48
Policy Index	6.3%	69	7.3%	48
InvestorForce All E&F \$100mm - \$500mm Net Median	6.7%		7.4%	-

7 Years Ending March 31, 2018				
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
MIP Composite	0.7	93	1.0	91
Allocation Index	0.8	77	1.1	73
Policy Index	0.8	69	1.2	57
InvestorForce All E&F \$100mm - \$500mm Net Median	0.9		1.3	

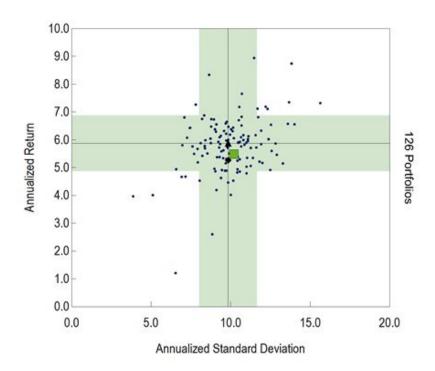
- Annualized Standard Deviation
- MIP Composite
- Allocation Index
- Universe Median
- 68% Confidence Interval
- InvestorForce All E&F \$100mm \$500mm Net

^{*}Returns are net of fees.



TOTAL PLAN RISK/RETURN - 10 YEAR

10 Years Ending March 31, 2018



10 Years Ending March 31, 2018				
	Anlzd Ret	Rank	Anlzd Std Dev	Rank
MIP Composite	5.5%	68	10.2%	59
Allocation Index	5.3%	76	9.8%	50
Policy Index	5.8%	55	9.4%	38
InvestorForce All E&F \$100mm - \$500mm Net Median	5.9%		9.8%	

10 Years Ending March 31, 2018				
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
MIP Composite	0.5	68	0.6	53
Allocation Index	0.5	71	0.6	59
Policy Index	0.6	45	0.7	26
InvestorForce All E&F \$100mm - \$500mm Net Median	0.6		0.6	

- MIP Composite
- · Allocation Index
- Universe Median
- 68% Confidence Interval
- InvestorForce All E&F \$100mm \$500mm Net

*Returns are net of fees.



MANAGER ANALYSIS

NEPC, LLC —

SSgA S&P 500

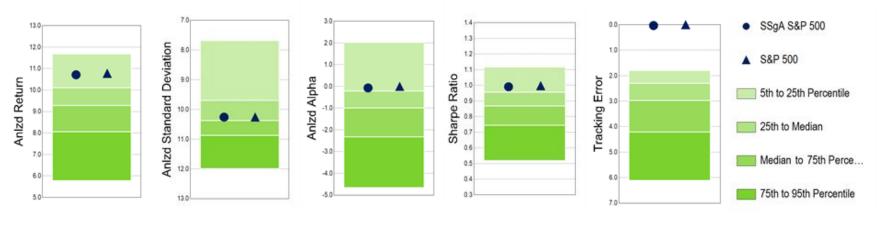






SSgA S&P 500





*Returns are net of fees.



SSgA S&P 500

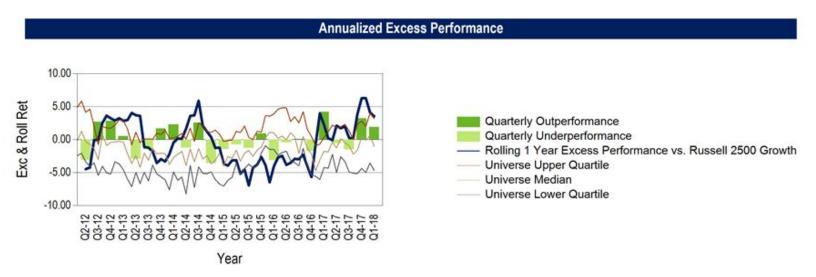
Characteristics		
	Portfolio	S&P 500
Number of Holdings	506	505
Weighted Avg. Market Cap. (\$B)	182.5	182.2
Median Market Cap. (\$B)	20.7	20.7
Price To Earnings	26.5	24.2
Price To Book	5.5	4.6
Price To Sales	4.2	4.0
Return on Equity (%)	24.9	21.6
Yield (%)	2.0	1.9
Beta		1.0
R-Squared		1.0

			Equity §	Sector Attribution				
	Total	Selection	Attribution Effects Allocation	Interaction	Return	s	Ending Sector	Weights
	Effects	Effect	Effect	Effects	Portfolio	Benchmark	Portfolio	Benchmark
Energy	0.0%	0.0%	0.0%	0.0%	-5.9%	-5.9%	5.7%	5.7%
Materials	0.0%	0.0%	0.0%	0.0%	-5.5%	-5.5%	2.8%	2.9%
Industrials	0.0%	0.0%	0.0%	0.0%	-1.6%	-1.6%	10.2%	10.2%
Consumer Discretionary	0.0%	0.0%	0.0%	0.0%	3.1%	3.1%	12.7%	12.7%
Consumer Staples	0.0%	0.0%	0.0%	0.0%	-7.1%	-7.1%	7.6%	7.7%
Health Care	0.0%	0.0%	0.0%	0.0%	-1.3%	-1.3%	13.7%	13.7%
Financials	0.0%	0.0%	0.0%	0.0%	-1.0%	-0.9%	14.8%	14.7%
Information Technology	0.0%	0.0%	0.0%	0.0%	3.5%	3.5%	24.9%	24.9%
Telecommunication Services	0.0%	0.0%	0.0%	0.0%	-7.5%	-7.5%	1.9%	1.9%
Utilities	0.0%	0.0%	0.0%	0.0%	-3.3%	-3.3%	2.8%	2.9%
Real Estate	0.0%	0.0%	0.0%	0.0%	-5.0%	-5.0%	2.7%	2.8%
Cash	0.0%	0.0%	0.0%	0.0%	0.4%		0.1%	0.0%
Unclassified	0.0%	-	-	-	-		-	
Portfolio	0.0% =	0.0%	+ 0.0%	+ 0.0%	-0.8%	-0.8%	100.0%	100.0%

^{*}Attribution on manager pages is holdings based, using buy-and-hold assumptions from the beginning of period portfolio. Results may differ from actual performance. Returns are net of fees.



WESTFIELD CAPITAL

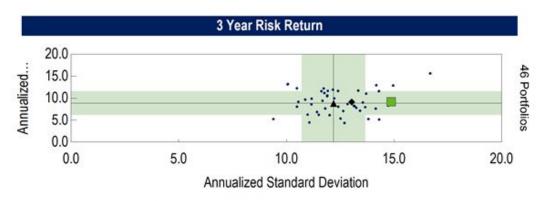




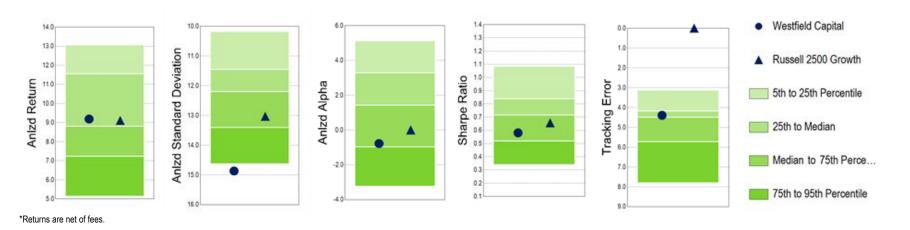
*Returns are net of fees.



WESTFIELD CAPITAL



- Westfield Capital
- Russell 2500 Growth
- Universe Median
- 68% Confidence Interval
- eV US Small-Mid Cap Growth Equity Net





March 31, 2018

WESTFIELD CAPITAL

Characteristics		
	Portfolio	Russell 2500 Growth
Number of Holdings	74	1,450
Weighted Avg. Market Cap. (\$B)	7.9	5.9
Median Market Cap. (\$B)	6.4	1.3
Price To Earnings	30.1	25.7
Price To Book	5.4	5.9
Price To Sales	4.3	4.0
Return on Equity (%)	12.3	16.0
Yield (%)	0.8	0.7
Beta		1.0
R-Squared		1.0

Top Positive Contributors				
	Relative			
	Contribution %	Return %		
NEKTAR THERAPEUTICS	2.0%	77.9%		
COSTAR GP.	0.4%	22.1%		
MICROSEMI	0.3%	25.3%		
FORTINET	0.3%	22.6%		
NEW RELIC	0.3%	28.3%		
REALPAGE	0.3%	16.3%		
LUMENTUM HOLDINGS	0.2%	30.5%		
TOTAL SYSTEM SERVICES	0.2%	9.2%		
JAZZ PHARMACEUTICALS	0.2%	12.1%		
PTC	0.2%	28.4%		

Top Negative Contr	ibutors	
	Relative	
	Contribution %	Return %
COHERENT	-0.3%	-33.6%
PACIRA PHARMACEUTICALS	-0.3%	-31.8%
LIONS GATE ENTM.'B' NV. SHS.	-0.3%	-23.8%
DANA	-0.2%	-19.2%
BUILDERS FIRSTSOURCE	-0.2%	-8.9%
W R GRACE	-0.2%	-12.4%
CYRUSONE	-0.2%	-13.2%
BOYD GAMING	-0.2%	-9.0%
ANDEAVOR	-0.2%	-11.5%
PINNACLE FOODS	-0.1%	-8.5%

			Equi	ty Sector Attribution	ector Attribution				
	Total	Selection	Attribution Effects Selection Allocation Interaction			Returns		Ending Sector Weights	
	Effects	Effect	Effect	Effects	Portfolio	Benchmark	Portfolio	Benchmark	
Energy	0.0%	0.1%	-0.2%	0.1%	-4.9%	-10.9%	3.8%	1.4%	
Materials	-0.2%	-0.2%	0.0%	0.0%	-7.4%	-4.7%	7.3%	5.9%	
Industrials	0.5%	0.5%	0.0%	0.0%	2.2%	-0.4%	22.6%	19.7%	
Consumer Discretionary	-0.4%	-0.6%	0.1%	0.1%	-6.1%	-2.0%	13.8%	14.3%	
Consumer Staples	-0.2%	-0.2%	0.0%	0.1%	-8.5%	2.7%	1.5%	2.2%	
Health Care	1.4%	1.6%	0.0%	-0.1%	14.6%	5.5%	14.3%	18.2%	
Financials	0.2%	0.2%	0.0%	0.0%	5.1%	3.1%	8.6%	7.6%	
Information Technology	0.6%	0.5%	0.1%	0.0%	10.2%	8.2%	21.6%	26.3%	
Telecommunication Services	-0.1%	0.0%	0.0%	0.0%	-7.2%	-4.2%	1.2%	0.7%	
Utilities	0.0%	-	0.0%			-7.4%	0.0%	0.4%	
Real Estate	0.1%	0.1%	0.0%	0.0%	-6.3%	-8.2%	2.9%	3.3%	
Cash	0.0%	0.0%	0.0%	0.0%	0.4%		2.4%	0.0%	
Portfolio	2.0%	= 1.8%	+ -0.1%	+ 0.2%	4.1%	2.1%	100.0%	100.0%	

^{*}Attribution on manager pages is holdings based, using buy-and-hold assumptions from the beginning of period portfolio. Results may differ from actual performance. Returns are net of fees.

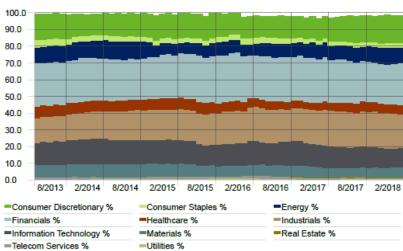


DFA US TARGETED VALUE I

Holdings Based Style Trail (5 Years) Portfolio Statistics Market Capitalization Breakdown Top 10 Holdings 3 Month Time Period: 4/30/2013 to 3/31/2018 Fund Index Fund Index Portf Weight % Ret % # of Holdings 1,438 1,398 Market Cap Giant % 0.0 0.0 Kohl's Corp 0.91 21.93 % Asset in Top 10 Holdings 7.0 4.7 Market Cap Large % 0.5 0.0 HollyFrontier Corp 0.80 -3.96 Tumover Ratio % 23.0 Market Cap Mid % 40.6 18.1 Arrow Electronics Inc 0.77 -4.22 P/E Ratio 17.5 Market Cap Small % 15.9 50.1 67.2 Toll Brothers Inc 0.73 -9.77 P/B Ratio 1.5 Market Cap Micro % 1.4 8.9 14.7 S+p500 Emini Fut Mar18 Xcme 20180316 0.68 LT Earn Growth 13.4 11.5 Average Market Cap (mil) 2,412.8 1,595.7 People's United Financial Inc 0.68 0.71 Hist Earn Growth 57.2 -4.2 Reliance Steel & Aluminum Co 0.64 0.52 Avnet Inc 0.62 5.88 12 Mo Yield 1.1 PacWest Bancorp 0.56 -0.73 Macy's Inc 19.56

DFA US Targeted Value I Russell 2000 Value TR USD

Historical Sector Allocations (5 Years)



Attribution (Quarter)

1	Portfolio Weights	Benchmark Weights	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Active Return
Consumer Discretionary	16.41	10.95	-2.00	-2.10	0.03	0.02	0.05
Consumer Staples	2.52	2.70	-7.65	-6.84	0.01	-0.02	-0.02
Energy	10.06	6.59	-6.80	-10.65	-0.29	0.41	0.12
Financials	24.28	30.80	2.23	0.53	-0.20	0.40	0.21
Health Care	5.32	6.64	1.98	5.50	-0.07	-0.19	-0.26
Industrials	20.70	12.26	-4.49	-1.68	0.09	-0.60	-0.50
Information Technology	11.47	8.86	-2.69	-3.40	-0.02	0.08	0.07
Materials	5.93	4.53	-3.84	-5.31	-0.04	0.10	0.05
Real Estate	0.41	9.88	1.24	-8.42	0.57	0.04	0.61
Telecommunication Services	0.63	0.50	-0.29	-10.54	-0.01	0.07	0.06
Utilities	0.67	6.21	2.66	-5.88	0.17	0.06	0.23
Attribution Total	98.41	99.91	-2.08	-2.69	0.24	0.36	0.61
Cash	0.79	0.00					
Other	0.77	0.00					
Total	100.00	100.00					



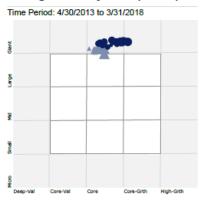
DFA US TARGETED VALUE I

Risk & Return Characteristics (5 Years) Risk & Return Illustration (5 Years) Time Period: 4/1/2013 to 3/31/2018 Time Period: 4/1/2013 to 3/31/2018 Fund Index DFA US Targeted Value I 12.0 R2 89.1 100.0 10.0 A Russell 2000 Value TR USD Alpha 1.6 0.0 8.0 Beta 0.9 1.0 6.0 Std Dev 11.2 11.7 4.0 Up Capture Ratio 98.1 100.0 2.0 Down Capture Ratio 82.4 100.0 Sharpe Ratio (geo) 0.9 0.8 € 0.0 Information Ratio (geo) 0.2 10.0 12.0 14.0 2.0 4.0 6.0 8.0 Tracking Error 3.9 0.0 Std Dev 0.9 1.0 Correlation Rolling Return (3 Years) Rolling Risk (3 Years) Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile 37.5 45.0 30.0 37.5 22.5 30.0 15.0 22.5 7.5 15.0 0.0 Std Dev 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 2012 2013 2014 2015 2016 2017 2012 2013 2014 2015 2016 2017 -DFA US Targeted Value I -Russell 2000 Value TR USD -DFA US Targeted Value I -Russell 2000 Value TR USD Calendar Year Returns 2008 2009 2010 2011 2012 2013 2014 2015 2017 Rank Rank Rank Rank Rank Rank Rank Rank 2016 Rank DFA US Targeted Value I 43.0 -33.831.9 37 29.0 24 -6.3 72 19.2 23 10 2.9 65 -5.7 26.9 40 9.6 40 Russell 2000 Value TR USD -28.9 20.6 24.5 -5.5 18.1 34.5 4.2 -7.5 31.7 7.8



MORGAN STANLEY INTERNATIONAL EQUITY I

Holdings Based Style Trail (5 Years)



Portfolio Statistics

	Fund	Index	
# of Holdings	68	927	
% Asset in Top 10 Holdings	37.2	10.9	
Turnover Ratio %	18.0		
P/E Ratio	20.6	14.9	
P/B Ratio	2.8	1.6	
LT Earn Growth	10.7	9.7	
Hist Earn Growth	-1.9	9.3	
12 Mo Yield	1.9		

Market Capitalization Breakdown

market Capitalization L	n cakaor	***
	Fund	Index
Market Cap Giant %	74.0	58.4
Market Cap Large %	20.0	34.9
Market Cap Mid %	5.9	6.7
Market Cap Small %	0.0	0.0
Market Cap Micro %	0.0	0.0
Average Market Cap	56,064.6	37,645.7
Equity Region Developed %	96.3	99.4
Equity Region Emerging %	3.7	0.6

Top Ten Holdings

x 4		Port Weight %	3 Month Return
9	British American Tobacco PLC	4.79	-13.62
7	Unilever NV DR	4.31	0.84
0	Reckitt Benckiser Group PLC	4.13	-9.56
0	L'Oreal SA	3.94	1.53
7	Pernod Ricard SA	3.82	4.98
4	GlaxoSmithKline PLC	3.59	11.11
6	Shiseido Co Ltd	3.34	32.51
	Novartis AG	3.33	-1.13
	SAP SE	3.00	-6.87
	Tencent Holdings Ltd	2.99	0.49

Morgan Stanley Inst International Eq. | MSCI EAFE NR USE

Sector Attribution (Quarter)

V -	•						
	Portfolio 8 Weights	Benchmark I Weights		Benchmark Return			Active Return
Consumer Discretionary	4.37	12.43	0.99	0.75	-0.17	0.01	-0.16
Consumer Staples	30.92	10.91	1.04	-2.92	-0.30	1.28	0.97
Energy	2.92	5.26	7.74	-1.81	0.02	0.28	0.29
Financials	13.52	21.48	-2.03	-2.02	0.04	-0.01	0.03
Health Care	14.43	10.03	-1.44	-0.54	0.04	-0.13	-0.09
Industrials	14.81	14.69	-2.49	-1.32	0.00	-0.18	-0.18
Information Technology	9.46	6.48	-1.40	1.15	0.09	-0.26	-0.17
Materials	4.68	8.23	-11.93	-3.60	0.08	-0.44	-0.36
Real Estate	0.47	3.51	-2.14	-1.83	0.01	0.00	0.01
Telecommunication Services	1.43	3.85	-13.17	-3.85	0.06	-0.15	-0.09
Utilities	0.00	3.11		1.49	-0.09	0.00	-0.09
Attribution Total	97.01	99.97	-1.23	-1.40	-0.22	0.39	0.18
Cash	2.22	0.00					
Other	0.77	0.00					
Missing Performance	0.00	0.03					
Total	100.00	100.00					

Region Attribution (Quarter)

	Portfolio Weights	Benchmark Weights	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Active Return
Asia - Developed	3.92	4.78	-1.02	-0.27	-0.01	-0.03	-0.04
Asia - Emerging	3.79	0.46	3.59	-3.21	-0.04	0.23	0.19
Australasia	0.00	6.92		-5.67	0.29	0.00	0.29
Canada	2.15	0.00	-13.23		-0.29	0.00	-0.29
Europe - ex Euro	8.00	13.14	-3.17	-2.79	0.07	-0.03	0.04
Eurozone	33.76	31.72	-1.31	-0.43	0.04	-0.31	-0.27
Japan	19.29	24.25	6.21	0.95	-0.11	1.02	0.91
Middle East	0.00	0.46		-5.34	0.02	0.00	0.02
United Kingdom	24.37	17.26	-5.99	-3.79	-0.21	-0.57	-0.78
United States	1.74	0.98	4.17	-0.86	0.00	0.09	0.09
Attribution Total	97.01	99.97	-1.23	-1.40	-0.22	0.40	0.18
Cash	2.22	0.00					
Other	0.77	0.00					
Missing Performance	0.00	0.03					
Total	100.00	100.00					



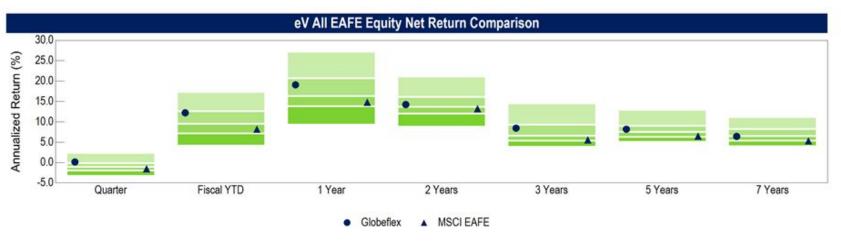
MORGAN STANLEY INTERNATIONAL EQUITY I





GLOBEFLEX

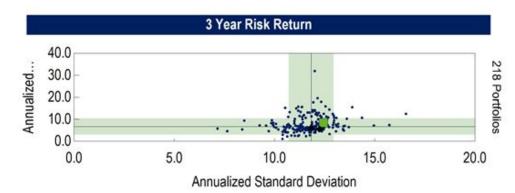




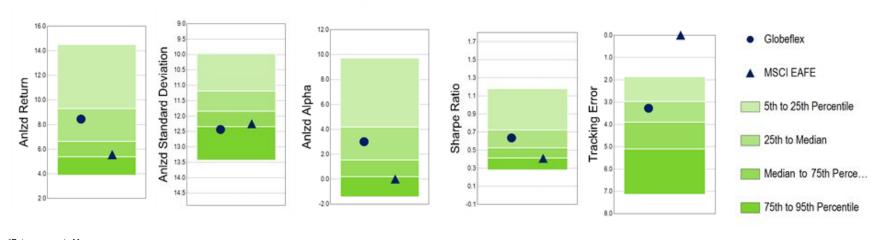
*Returns are net of fees.



GLOBEFLEX



- Globeflex
- MSCI EAFE
- ▲ Universe Median
- 68% Confidence Interval
- eV All EAFE Equity Net



*Returns are net of fees.



GLOBEFLEX

Characteristics		
	Portfolio	MSCI EAFE
Number of Holdings	125	926
Weighted Avg. Market Cap. (\$B)	27.2	56.9
Median Market Cap. (\$B)	11.1	11.2
Price To Earnings	15.0	18.1
Price To Book	2.5	2.5
Price To Sales	1.6	2.2
Return on Equity (%)	21.5	14.2
Yield (%)	2.9	3.2
Beta		1.0
R-Squared		1.0

Top Positive Cont	ributors	
	Relative	
	Contribution %	Return %
EVRAZ	0.3%	39.1%
EXOR ORD	0.3%	15.7%
IPSEN	0.3%	29.8%
PLUS500	0.3%	42.6%
GKN	0.2%	50.3%
COCA-COLA HBC (CDI)	0.2%	12.9%
LOTTE CHEMICAL	0.2%	18.2%
ROYAL MAIL	0.2%	23.9%
SMURFIT KAPPA GROUP	0.1%	19.6%
SCREEN HOLDINGS	0.1%	13.3%

Top Negative Con	tributors Relative Contribution %	Return %
SCANDIC HOTELS GROUP	-0.2%	-33.6%
SUBSEA 7	-0.2%	-15.1%
OMV	-0.2%	-8.3%
VALEO	-0.2%	-11.8%
MERCK KGAA	-0.1%	-11.0%
CENOVUS ENERGY	-0.1%	-6.7%
INDL.ALL.IN.& FINL.SVS.	-0.1%	-13.3%
DEUTSCHE LUFTHANSA	-0.1%	-13.5%
LONZA GROUP	-0.1%	-13.0%
OUTOKUMPU 'A'	-0.1%	-23.6%

			Equity	Sector Attribution				
			Attribution Effects		R	eturns	Ending S	ector Weights
	Total	Selection	Allocation	Interaction	5			
	Effects	Effect	Effect	Effects	Portfolio	Benchmark	Portfolio	Benchmark
Energy	-0.1%	0.0%	0.0%	-0.1%	-4.3%	-1.8%	11.4%	5.3%
Materials	0.9%	0.6%	-0.1%	0.4%	2.9%	-3.7%	14.4%	8.0%
Industrials	0.1%	0.2%	0.0%	-0.1%	-1.5%	-1.4%	18.1%	14.6%
Consumer Discretionary	-0.3%	-0.1%	0.0%	-0.1%	-1.5%	0.6%	11.2%	12.6%
Consumer Staples	0.3%	1.2%	0.1%	-1.0%	7.8%	-2.9%	3.7%	11.0%
Health Care	0.2%	0.5%	0.0%	-0.3%	3.4%	-0.6%	8.5%	10.2%
Financials	0.6%	1.2%	0.0%	-0.5%	3.3%	-2.1%	15.4%	21.1%
Information Technology	0.2%	0.1%	0.0%	0.0%	1.7%	1.2%	8.0%	6.5%
Telecommunication Services	0.1%	0.1%	0.0%	0.1%	-2.1%	-3.9%	4.7%	3.8%
Utilities	0.0%	0.0%	0.0%	0.0%	2.7%	1.5%	2.5%	3.3%
Real Estate	-0.1%	-0.1%	0.0%	0.0%	-5.3%	-1.1%	2.0%	3.5%
Cash	0.0%	-		-			0.0%	0.0%
Portfolio	1.8% =	3.5% +	· -0.1%	+ -1.7%	0.4%	-1.4%	100.0%	100.0%

^{*}Attribution on manager pages is holdings based, using buy-and-hold assumptions from the beginning of period portfolio. Results may differ from actual performance. Returns are net of fees.



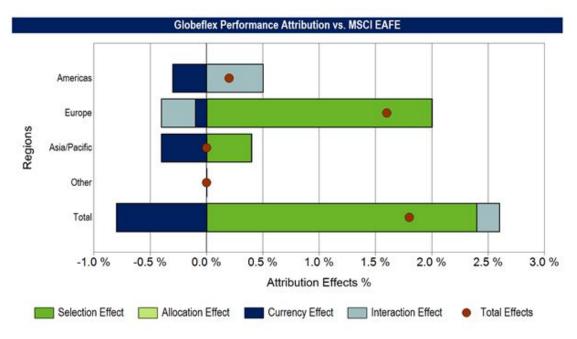
GLOBEFLEX

	Country A	Allocation		
	Manager	Index	Manager	Index
	Ending Allocation (USD)	Ending Allocation (USD)	Return (USD)	Return (USD)
Americas				
Canada	8.7%	0.0%	-2.3%	-7.4%
United States	0.5%	0.0%	-5.4%	-0.8%
Total-Americas	9.3%	0.0%	-2.5%	
Europe				
Austria	2.1%	0.3%	-8.3%	2.2%
Denmark	0.7%	1.8%	6.5%	-1.1%
France	7.1%	10.9%	4.4%	0.5%
Germany	6.8%	9.6%	-8.1%	-3.5%
Ireland	0.3%	0.5%	15.1%	-5.7%
Italy	6.0%	2.5%	5.3%	5.5%
Netherlands	2.5%	3.7%	4.4%	1.0%
Norway	1.8%	0.7%	-5.4%	2.4%
Portugal	0.6%	0.2%	2.3%	3.1%
Spain	4.2%	3.2%	-0.1%	-1.7%
Sweden	1.1%	2.6%	-15.7%	-1.8%
Switzerland	1.5%	7.9%	-4.6%	-3.9%
United Kingdom	18.9%	17.4%	6.8%	-3.8%
Total-Europe	53.7%	63.4%	1.5%	-1.8%

	Country A Manager Ending Allocation (USD)	Index Ending	Manager Return (USD)	Index Return (USD)
AsiaPacific				
Australia	6.9%	6.6%	-5.1%	-6.1%
China*	0.3%	0.0%		
Hong Kong	2.8%	3.6%	2.0%	-1.4%
Japan	20.6%	24.5%	0.3%	0.8%
Korea*	6.4%	0.0%	1.3%	-0.7%
Total-AsiaPacific	37.0%	36.2%	-0.5%	-0.7%
Totals				
Developed	93.3%	100.0%	0.3%	-1.4%
Emerging*	6.7%	0.0%	1.3%	



GLOBEFLEX



	Ret	urns and End	ing Weights		Attribution Effects				
	Manager	Index	Manager	Index	Selection	Allocation	Currency	Interaction	Total
	Return	Return	Weight	Weight	Effect	Effect	Effect	Effect	Effects
Totals									
Americas	-2.5%		9.3%	0.0%	0.0%	0.0%	-0.3%	0.5%	0.2%
Europe	1.5%	-1.8%	53.7%	63.4%	2.0%	0.0%	-0.1%	-0.3%	1.6%
Asia/Pacific	-0.5%	-0.7%	37.0%	36.2%	0.4%	0.0%	-0.4%	0.0%	0.0%
Other		-5.3%	0.0%	0.5%		0.0%	0.0%		0.0%
Total	0.4%	-1.4%	100.0%	100.0%	2.4%	0.0%	-0.8%	0.2%	1.8%
Totals									
Developed	0.3%	-1.4%	93.3%	100.0%	2.4%	0.0%	-0.8%	-0.2%	1.4%
Emerging*	1.3%		6.7%	0.0%	0.0%	0.0%	0.0%	0.3%	0.4%



KABOUTER INT'L OPPS OFFSHORE FUND II

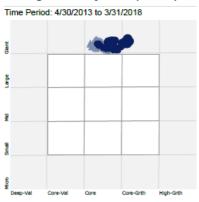
SECTOR ATTRIBUTION W/CURRENCY												
	Av	erage We	eight	Cont	Contribution to Return		Total	Return		Attribut	ion Analysis	
	_	Bench. Average Weight		Port. Contrib. To Return	Contrib. To		Port. Total Return	Bench. Total Return	Total Effect	Allocation Effect (Local)	Selection Effect (Local)	Total Currency Effect
Total	100.00	100.00	-	1.29	0.30	0.99	1.29	0.30	0.99	1.16	-0.52	0.35
Consumer Discretionary	3.32	18.25	-14.93	-0.12	-0.25	0.13	-3.70	-1.36	0.18	0.27	-0.06	-0.04
Consumer Staples	6.31	6.94	-0.63	-0.59	0.10	-0.70	-8.13	1.38	-0.63	0.03	-0.68	0.02
Energy	-	2.17	-2.17	-	-0.03	0.03	-	-1.65	0.04	0.03	_	0.01
Etf	0.27		0.27	0.01	-	0.01	-0.86		0.00	0.01		-0.01
Financials	12.12	12.33	-0.21	0.00	0.23	-0.22	0.29	2.11	-0.23	0.00	-0.13	-0.10
Health Care	20.53	6.48	14.05	0.83	0.44	0.40	3.71	7.29	0.29	0.95	-0.78	0.11
Industrials	29.21	20.46	8.75	-0.30	-0.45	0.15	-1.23	-2.24	0.08	-0.22	0.30	-0.00
Information Technology	9.63	10.20	-0.57	-0.01	0.32	-0.34	0.46	3.28	-0.32	-0.00	-0.37	0.05
Materials	7.52	9.45	-1.93	0.85	-0.13	0.98	10.45	-1.50	1.01	0.02	0.77	0.22
Real Estate	2.87	10.53	-7.66	-0.24	0.12	-0.36	-8.37	1.13	-0.34	-0.09	-0.26	0.01
Telecommunication Service	-	1.29	-1.29	-	-0.08	0.08	-	-6.32	0.09	0.07	_	0.02
Utilities	8.22	1.90	6.33	0.84	0.02	0.82	11.03	1.02	0.83	0.09	0.68	0.06



Source: Kabouter

ABERDEEN EMERGING MARKET EQUITY

Holdings Based Style Trail (5 Years)



Portfolio Statistics

	Fund	Index	
# of Holdings	63	845	Market Cap
% Asset in Top 10 Holdings	34.2	24.8	Market Cap
Turnover Ratio %	16.6		Market Cap
P/E Ratio	17.4	14.3	Market Cap
P/B Ratio	2.5	1.7	Market Cap
LT Earn Growth	14.8	15.8	Average Ma
Hist Earn Growth	7.5	-9.5	Equity Regi
12 Mo Yield	1.4		Equity Regi

Market Capitalization Breakdown

	Fund	Index
Market Cap Giant %	61.1	58.2
Market Cap Large %	26.5	31.2
Market Cap Mid %	12.4	10.0
Market Cap Small %	0.0	0.7
Market Cap Micro %	0.0	0.0
Average Market Cap	36,680.9	34,882.4
Equity Region Developed %	21.6	28.7
Equity Region Emerging %	78.4	71.3

Top Ten Holdings

		Port Weight %	3 Month Return
Same	sung Electronics Co Ltd Participating Preferred	6.00	-1.12
Teno	ent Holdings Ltd	5.58	0.49
Taiwa	an Semiconductor Manufacturing Co Ltd	4.75	9.40
Hous	ing Development Finance Corp Ltd	3.77	4.65
Bank	Bradesco SA ADR	3.05	16.13
AIA (Group Ltd	2.57	-0.77
China	a Mobile Ltd	2.17	-9.57
PTA	stra International Tbk	2.16	-13.33
Siam	Cement PCL Shs Foreign Registered	2.15	6.35
Vale	SAADR	2.04	5.24

Sector Attribution (Quarter)

•	-					
	Portfolio Weights					Selection Activ Effect Return
Consumer Discretionary	12.59	9.96	1.14	-6.10	-0.19	0.93 0.7
Consumer Staples	15.81	6.41	-4.44	-0.82	-0.25	-0.58 -0.8
Energy	3.07	5.93	3.82	6.69	-0.14	-0.09 -0.2
Financials	26.53	24.00	3.61	4.25	0.08	-0.17 -0.0
Health Care	0.94	2.70	-20.37	7.07	-0.10	-0.28 -0.3
Industrials	2.79	5.16	3.13	-0.62	0.05	0.11 0.1
Information Technology	18.87	27.54	1.81	2.04	-0.04	-0.05 -0.0
Materials	8.98	7.40	-5.27	0.74	-0.01	-0.55 -0.5
Real Estate	5.31	2.68	-1.93	-0.41	-0.03	-0.09 -0.1
Telecommunication Services	3.66	4.68	-7.93	-3.53	0.04	-0.17 -0.1
Utilities	0.00	2.37		2.88	-0.04	0.00 -0.0
Attribution Total	98.55	98.82	-0.19	1.38	-0.63	-0.94 -1.5
Cash	1.32	0.00				
Other	0.00	0.09				
Missing Performance	0.13	1.09				
Total	100.00	100.00				

Region Attribution (Quarter)

	Portfolio Weights	Benchmark Weights	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Active Return
Africa	3.89	6.90	12.48	-2.79	0.12	0.60	0.71
Asia - Developed	20.08	26.74	0.55	1.98	-0.07	-0.28	-0.36
Asia - Emerging	45.70	46.20	-0.56	0.11	-0.01	-0.31	-0.32
Europe - Emerging	6.94	5.27	-8.14	0.59	0.00	-0.66	-0.65
Europe - ex Euro	0.00	0.02		-8.76	0.00	0.00	0.00
Eurozone	1.07	0.40	-6.37	-7.37	-0.06	0.01	-0.05
Latin America	19.91	12.05	1.11	8.09	0.53	-1.38	-0.85
Middle East	0.00	1.17		1.21	0.00	0.00	0.00
United Kingdom	0.96	0.00	-4.29		-0.05	0.00	-0.05
United States	0.00	0.07		14.91	-0.01	0.00	-0.01
Attribution Total	98.55	98.82	-0.19	1.38	0.44	-2.02	-1.58
Cash	1.32	0.00					
Other	0.00	0.09					
Missing Performance	0.13	1.09					
Total	100.00	100.00					



Source: Morningstar

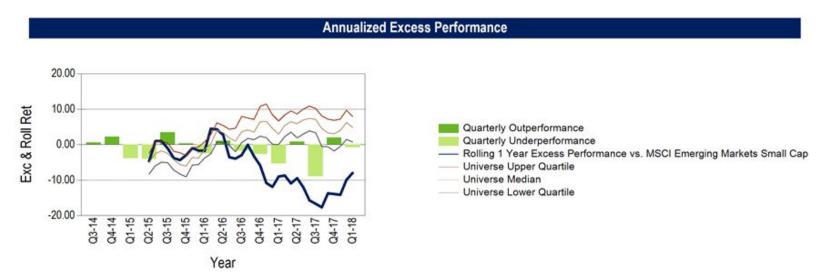
ABERDEEN EMERGING MARKET EQUITY





Source: Morningstar

MONDRIAN EM SMALL CAP

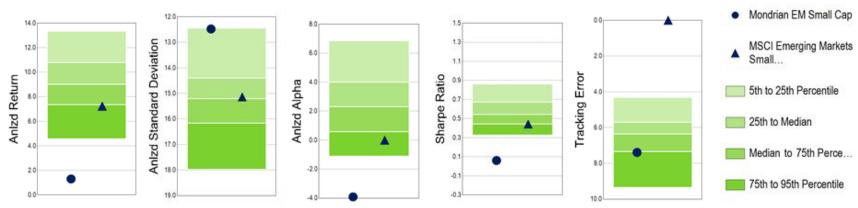






MONDRIAN EM SMALL CAP







MONDRIAN EM SMALL CAP

Sector Allocation

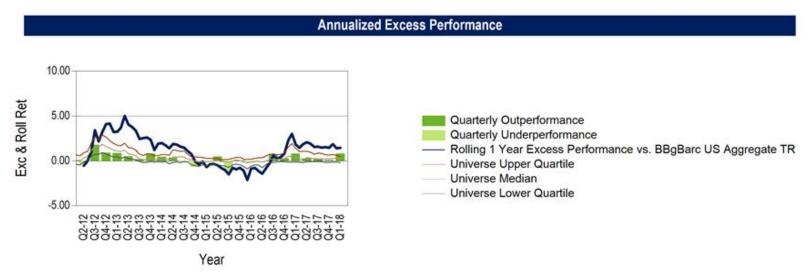
	Fund	MSCI EM SC
Consumer Discretionary	15.3	16.7
Consumer Staples	16.0	6.9
Energy	1.8	2.2
Financials	2.1	8.8
Health Care	22.1	9.5
Industrials	14.7	14.1
Information Technology	6.2	16.5
Materials	8.8	11.7
Real Estate	8.1	8.9
Telecommunication Services	-	0.9
Utilities	3.5	3.8
Cash	1.4	4
TOTAL	100.0	100.0

Country Allocation

	Fund	MSCI EM SC
Latin America	10.9	10.1
Brazil Mexico Peru	3.1 5.6 2.2	5.6 2.8 0.2
Europe, Middle East & Africa	7.9	10.9
Kuwait Poland Saudi Arabia South Africa	1.2 2.8 1.7 2.2	0.9
Pacific-Asia	79.8	79.0
North Asia China/Hong Kong South Korea Taiwan	32.3 17.9 6.6 7.8	54.8 20.2 17.0 17.6
South Asia	47.5	23.4
India Indonesia Malaysia Philippines Thailand	25.4 7.9 6.5 4.3 3.4	13.3 2.3 3.3 0.9 3.6
Cash	1.4	-
TOTAL	100.0	100.0
The state of the s		



Source: Mondrian

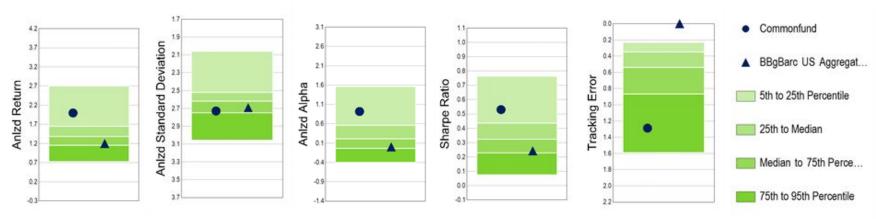








- Commonfund
- BBgBarc US Aggregate TR
- Universe Median
- □ 68% Confidence Interval
- eV US Core Fixed Inc Net













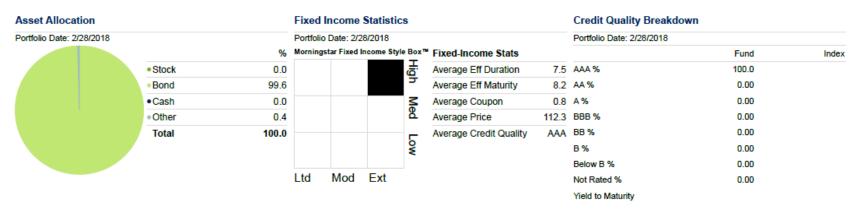
Multi-Strategy Bond Fund: Investment Managers

Investment Managers	Core	Credit	Opportunistic
Bain Capital Specialty Fin.		X	
Brandywine Asset Management			X
Cerberus Capital Management		X	
Credit Partnerships		X	
Direct Trading (Treasury Futures)			X
Income Research & Management (IRM)	X		
Other (Iceland)			X
PIMCO			X
Rimrock Capital Management	X		
Rimrock Capital Management			X
Sit Investment Associates			X
Western Asset Management Company (WAMCO)	Х		



Source: Commonfund

VANGUARD INFLATION PROTECTED SECURITIES



Historical Sector Allocations (10 Years)

100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0.0 2009 2010 2011 2012 2013 2014 2015 2016 2017 =Government % -Municipal % -Corporate % =Securitized % -Cash & Equivalents % -Derivative %

Top Holdings

	Detail Holding Type	Portfolio Weighting %
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	5.38
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	4.70
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	4.10
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.80
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.79
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.78
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.73
US Treasury TIP	BOND - GOV'T INFLATION PROTECTED	3.71
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.69
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.65



Source: Morningstar

VANGUARD INFLATION PROTECTED SECURITIES

Risk & Return Characteristics (5 Years) Risk & Return Illustration (5 Years) Time Period: 4/1/2013 to 3/31/2018 Time Period: 4/1/2013 to 3/31/2018 Fund Index 0.3 Vanguard Inflation-Protected Secs I R2 99.6 100.0 A BBgBarc US Treasury US TIPS TR USD Alpha -0.1 0.0 0.2 Beta 1.0 1.0 0.1 Std Dev 5.1 4.9 101.9 Up Capture Ratio 100.0 0.0 Down Capture Ratio 104.2 100.0 Sharpe Ratio (geo) -0.1 -0.1 ⊆ -0.1 Information Ratio (geo) -0.2 1.0 2.0 3.0 4.0 5.0 6.0 æ 0.0 Tracking Error 0.4 Std Dev Correlation 1.0 1.0 Rolling Returns (3 Years) Rolling Risk (3 Years) Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile 10.0 12.5 10.0 8.0 7.5 6.0 5.0 2.5 4.0 0.0 2.0 -2.5 0.0 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 gg 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 2013 2014 2016 2015 2017 2012 2015 2017 2012 2013 2014 2016 -Vanguard Inflation-Protected Secs I -BBgBarc US Treasury US TIPS TR USD -Vanguard Inflation-Protected Secs I -BBgBarc US Treasury US TIPS TR USD Calendar Year Returns 2008 2015 Rank 2009 2010 2011 2012 Rank 2013 Rank 2014 Rank Rank 2016 2017 Vanguard Inflation-Protected Secs I -2.8 -8.8 34 56 11.0 29 6.3 28 13.4 6 6.9 24 52 4.1 5 -1.7 31 4.6 39 3.0 BBgBarc US Treasury US TIPS TR USD 11.4 6.3 -8.6 3.6 4.7 -2.413.6 7.0 -1.43.0



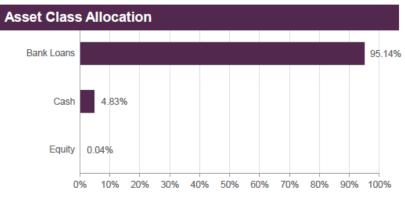
Source: Morningstar

GUGGENHEIM US BANK LOANS

Characteristics		
	U S Bank Loans Composite	Credit Suisse Leveraged Loan Index
Effective Duration	0.15 years	0.14 years
Average Coupon	5.06%	5.45%
Average Market Price	\$99.35	\$99.00
Average YTM	5.84%	6.51%
Average YTW	2.90%	3.22%
Average OAS	272	332
Average Credit Quality ²	B+	В
WAL to Worst	1.05 years	1.15 years
No. of Issuers	236	1247

Performance & Risk Analysis (Since Inception)				
	US Bank Loans Composite (Gross)	Credit Suisse Leveraged Loan Index		
Annualized Return	6.93%	5.15%		
Excess Return	1.77%	-		
Standard Deviation	4.94%	6.23%		
Correlation	0.97	1		
Information Ratio	0.94	-		
Sharpe Ratio	1.17	0.65		

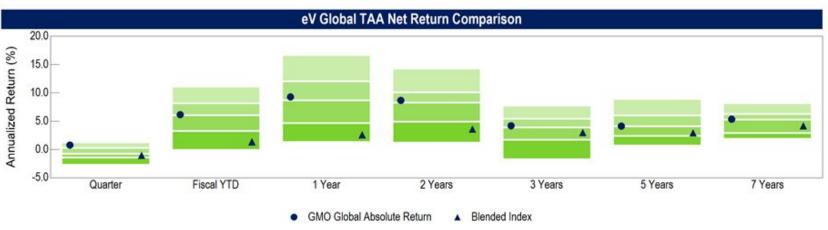
Industry Alloca	ation						
	Guggenheim	Index	0%	5%	10%	15%	20%
Banking	0.00%	0.01%					
Basic Industry	3.80%	5.03%		_			
Brokerage	0.78%	1.03%	- 1				
Capital Goods	10.74%	9.47%					
Communications	8.43%	13.40%				- 1	
Consumer Cyclical	20.58%	19.51%					
Consumer Non Cyclical	22.86%	17.45%					
Electric	2.77%	2.82%					
Energy	0.73%	2.87%					
Finance Companies	2.18%	2.58%	_				
Insurance	1.80%	2.44%					
Other Financials	0.61%	1.65%	100				
Other Industry	1.29%	3.20%	_	- 1			
Technology	17.75%	15.54%					•
Transportation	0.81%	1.76%	-				
Cash	4.83%	0.00%					
Other ³	0.03%	1.24%	_				





Source: Guggenheim





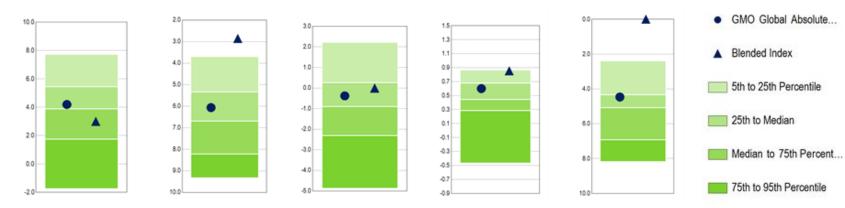
*Returns are net of fees.

*Blended Index: 40% BC Aggregate, 30% BC U.S. TIPS 1-10YR, 10% S&P 500, 10% BC High Yield, 10% JPM EMBI+





- GMO Global Absolute Return
- Blended Index
- 68% Confidence Interval
- eV Global TAA Net

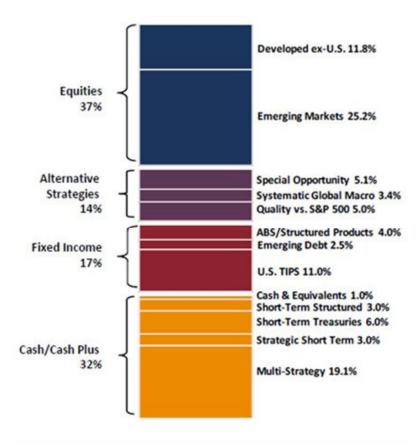


^{*}Returns are net of fees.

^{*}Blended Index: 40% BC Aggregate, 30% BC U.S. TIPS 1-10YR, 10% S&P 500, 10% BC High Yield, 10% JPM EMBI+



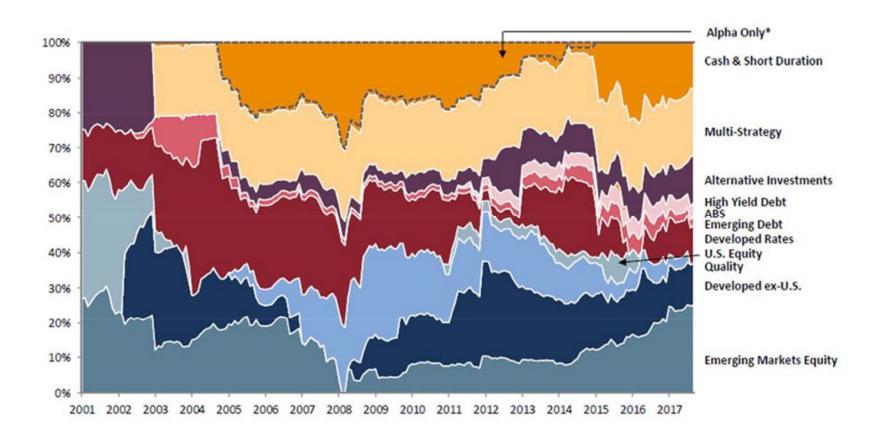
Strategy Composition





Source: GMO

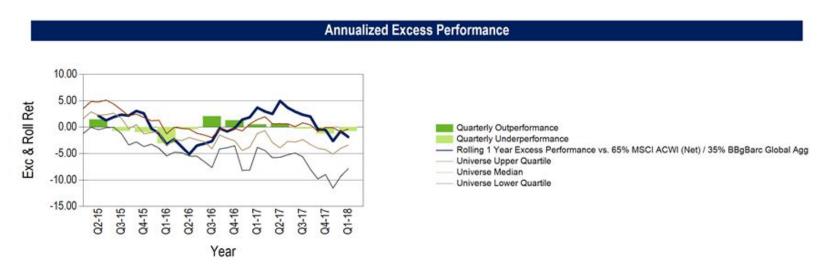
Allocation History

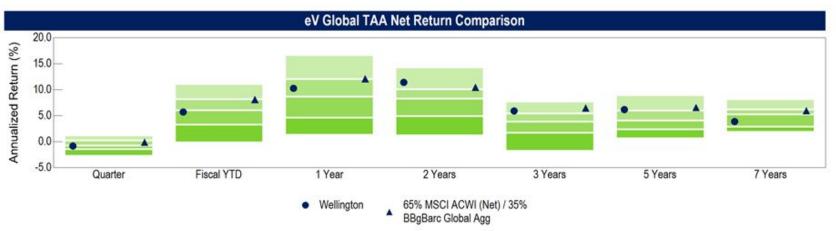




Source: GMO

WELLINGTON OPPORTUNISTIC

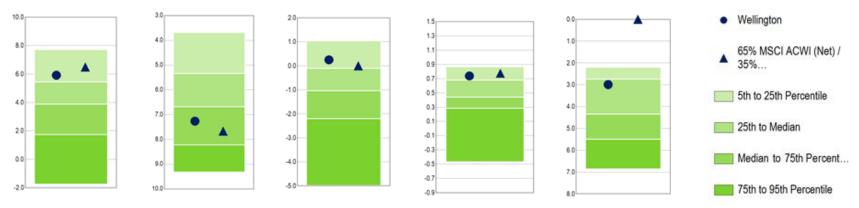






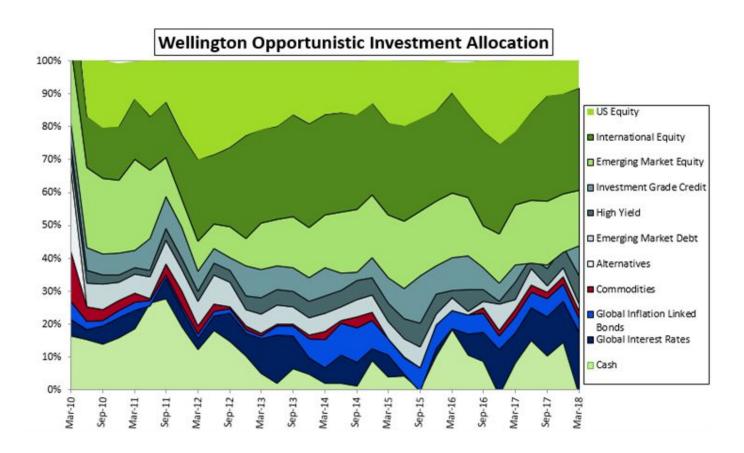
WELLINGTON OPPORTUNISTIC







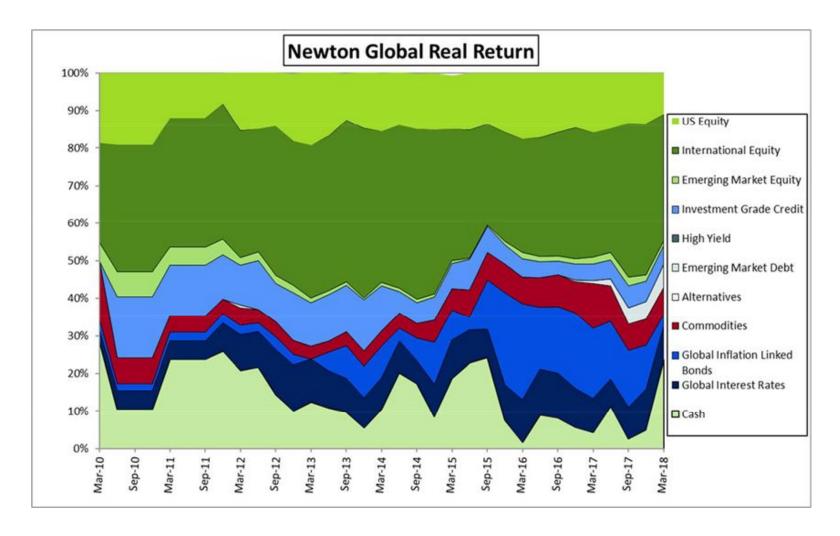
WELLINGTON OPPORTUNISTIC





Source: Wellington

NEWTON GLOBAL REAL RETURN





Source: Newton

ENTRUSTPERMAL FIXED INCOME HOLDINGS

onthry :	Performa	ince												Performance Analysis			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year		EnTrustPermal	S&P 500	Barclays
2018	0.4	-1.5	-1.6										-2.7		Fixed Income Holdings N.V.		Aggregate B Index
2017	-0.4	1.3	-1.3	0.9	0.1	0.3	0.7	0.1	1.1	-0.6	-0.5	1.6	3.4	Since Inception Return	6.4	9.6	41
2016	-3.0	-1.1	1.5	1.5	0.9	-0.3	2.0	0.5	-0.7	0.5	15	1.2	4.5	1 Yr Return	1.0	14.0	1.2
2015	-0.6	1.5 2.3	0.5	0.2	0.5	1.2	-0.9	-2.0	-0.8	-2.0	1.3	-1.9 -0.4	4.0	3 Yr Return	-0.4	10.6	12
2014	2.6	0.4	1.7	1.2	1.6	-1.9	1.4	-0.8	1.5	1.5	1.4	1.3	12.4	5 Yr Return	1.9	13.3	1.8
2012	23	2.1	0.2	-0.1	-1.0	0.2	1.2	0.9	1.5	0.8	0.2	1.8	10.3	7 Yr Return	2.4	12.7	2.9
2011	1.4	1.4	0.1	1.2	-0.2	-1.4	0.3	+3.0	-4.0	1.9	-0.8	-1.0	4.2	10 Yr Return	3.9	9.5	3.6
2010	1.2	0.7	2.4	2.1	-2.3	-0.7	1.0	0.4	1.9	2.1	0.1	2.3	11.7	Best Month	5.5	10.9	3.7
2009	1.1	-0.8	0.5	2.8	5.5	2.9	3.3	2.9	2.9	1.2	1.4	2.0	28.7	Worst Month	-7A	-16.8	-3.4
2008	-0.7	0.2	-1.0	0.5	0.8	0.3	-1.8	-1.2	4.0	-7.4	-2.8	-2.0	-17.5	Percent Profitable Periods	71.4	68.1	65.9
2007	1.5	1.4	0.6	1.5	1.0	0.4	0.7	-1.9	1.8	2.2	0.1	0.0	9.6	Product Inception Date	12/31/1996		01/01
2006	2.3	0.6	1.0	1.9	-0.8	-0.2	0.7	0.7	0.3	1.5	1.4	1.6	11.6	575000000000000000000000000000000000000			
	Out	perform	BM in U	Market	s			Out	perform	BM in D	own Mar	kets			Distribution of Return	ns	
100			100				1	00		10	0			75			
80			80					80		8	0						
60			60					60		6	0			90			
40			40					40		4							
20			20					20		,				25			
20			20					20								I <u>.</u>	
0	BM	1	20	81	M2			20	BM1		0	BM2		•		30,030,0	1080800
	ВМ		0		M2			7.	5000		0	(TA11)				20,000	100000000
	ВМ				42			7.	5000			(TA11)		Risk Analysis			
	ВМ		0		42			7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation	Ω	13.4	34
	ВМ		0		M2		20	7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation	52 42	13.4 10.3	3.4 2.7
0	ВМ		0		M2			7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation	52 42 42	13.4 10.3 9.9	34 27 29
10	BM		0		42		20	7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 7 Yr Standard Deviation	52 42 42 46	13.4 10.3 9.9 11.0	3.4 2.7 2.9 2.8
0	ВМ		0		M2			7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation	52 42 42 46 59	13.4 10.3 9.9 11.0 15.0	34 27 29 28 33
10	BM		0		M2		20	7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio	52 42 42 46 59	13.4 10.3 9.9 11.0 15.0 0.6	3.4 2.7 2.9 2.8 3.3 0.8
10	BM		0		M2		20	7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio	52 42 42 46 59 10	13.4 10.3 9.9 11.0 15.0 0.6 0.9	34 27 29 28 33 08
10	BM		0		M2		20	7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Loss Deviation	52 42 42 46 59 10 15 35	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0	14 27 29 28 33 08 14 21
10	ВМ		0		M2		30 0 -20	7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown	52 42 42 46 59 10 15 35	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 50.9	14 27 29 28 13 08 14 21
30 8	ВМ		0		M2		20	7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Loss Deviation	52 42 42 46 59 10 15 35	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0	14 27 29 28 33 08 14 21
10	BM		0		M2		30 0 -20	7.	5000		0	(TA11)		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown	52 42 42 46 59 10 15 35	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 50.9	1.4 2.7 2.9 2.8 1.3 0.8 1.4 2.1
30 8 8 9 9 9 4		Risk/R	0	ofile			20 0 -20 -40	Q V	Und	erwater	Drawdo	wn	. 10	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown Length Max Drawdown Recovery Length	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 90.9	3.4 2.7 2.9 2.8 3.3 0.8 1.4 2.1 3.8 7
30 8 8 9 9 9 4	BM	Risk/R	0	ofile	15		20 0 -20 -40	Q V	Und	erwater	Drawdo	(TA11)	128	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sortine Ratio Loss Deviation Max Drawdown Max Drawdown Length Max Drawdown Recovery Length Comparison to Benchmarks	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	14 27 29 28 33 08 14 21 18 7
0 30 8 Salaton 6 4 2		Risk/R	0 Leturn Pri	ofile			20 0 -20 -40	o de des	Und	erwater	Drawdo	and the state of the	. 119	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown Length Max Drawdown Recovery Length	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 90.9	3.4 2.7 2.9 2.8 3.3 0.8 1.4 2.1 3.8 7
0 30 8 Salaton 6 4 2	0	Risk/R	0 Leturn Pri	ofile			20 0 -20 -40	o de des	Und	erwater	Drawdo	and the state of the	100	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sortine Ratio Loss Deviation Max Drawdown Max Drawdown Length Max Drawdown Recovery Length Comparison to Benchmarks	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	14 27 29 28 33 08 14 21 38 7
0 30 8 Surries 6 4 2	0	Risk/R	o teturn Pr	ofile			20 0 -20 -40	o de des	Und	erwater	Drawdo	and the state of the	· No	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 3 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortine Ratio Loss Deviation Max Drawdown Max Drawdown Length Max Drawdown Recovery Length Comparison to Benchmarks Annualized Alpha	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 9.0 9.0 9.3 37	3.4 2.7 2.9 2.8 3.3 0.8 1.4 2.1 3.8 7 2



ENTRUSTPERMAL FIXED INCOME HOLDINGS

General Fund Information						
Fund Name	EnTrustPermal Fixed Income Holdings					
Management Company	EnTrustPermal	EnTrustPermal				
Location	New York, NY					
Firm AUM	\$20.9 Billion Strategy Fund of Fund					
Strategy AUM	\$522.9 Million	Sub- Strategy	Multi-Strategy			
Portfolio Managers	Robert Kaplan, Clark Fenton, Javier Dyer FOF FOF					
	Ter	ms				

warragers	renton, Javier Dyer	FUF	
	Ter	ms	
Share Class	-		
Minimum Investment	\$1 million		
Management Fee	0.95%		
Incentive Fee	None		
Hurdle Rate	None		
High Water Mark	None		
Subscription	Monthly		
Redemption	Monthly with 20 days		
Lock-Up	None		

Investment Strategy

Permal Fixed Income Holdings features a performance-oriented investment philosophy that employs a unique combination of fixed-income spread strategies, opportunistic bets on events, and nimble, liquid macro strategies. It is positioned as both a performance enhancer and a good diversifier to a core hedge fund allocation

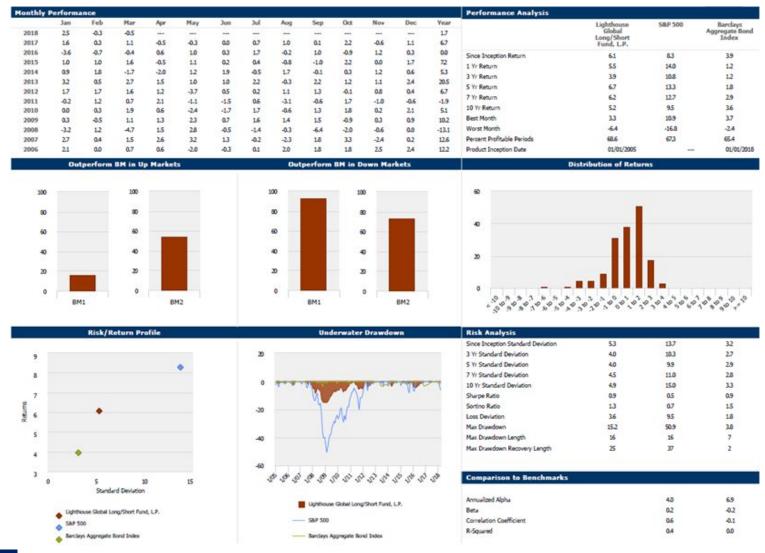
Strategy Information					
Current /	Allocation				
Event Driven	42.3%				
Fixed Income – Hedge	33.3%				
Fixed Income - Developed Markets	26.2%				
Global Macro	1.9%				
Fixed Income - Emerging Markets	0.8%				
Cash and Other	-4.5%				

odsit dila ottici	4.070
I I	Attribution
Macro Managers	-0.02%
Fixed Income Hedge	-0.42% -0.13%
Fixed Income Emerging Markets	-0.18% -0.18%
Fixed Income Developed Markets	1.28% 0.22%
Event Driven	-2.83%
■Year to Date	Month to Date



For more information please see NEPC's Investment Due Diligence Report and Operational Due Diligence Report

LIGHTHOUSE GLOBAL LONG/SHORT





LIGHTHOUSE GLOBAL LONG/SHORT

	General Fund	Information	n
Fund Name	Lighthouse Global Long/Short Fund		
Manageme nt Company	Lighthouse Investment Partners, LLC		
Location	Palm Beach, FL		
Firm AUM	\$10.6 billion	Strategy	Fund of Fund
Strategy AUM	\$1.9 billion	Sub- Strategy	Long/Short Equity
Portfolio Managers	Ethan Baron	Direct or FOF	FOF

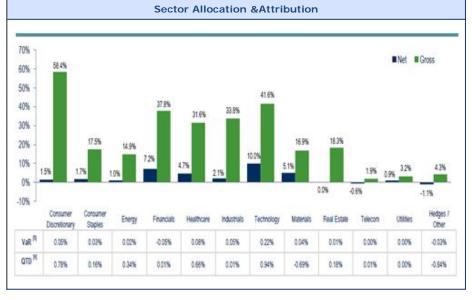
	Terms
Share Class	
Minimum Investment	\$1 million
Managemen t Fee	1.15%
Incentive Fee	
Hurdle Rate	None
High Water Mark	Yes
Subscription	Monthly
Redemption	Quarterly (60 days notice) or Monthly (90 days notice)
Lock-Up	None

Investment Strategy

Lighthouse's Global Long/Short Fund is a global portfolio of 20-30 separately managed accounts with industry sector and country specialist managers. The geographical allocations are similar to the MSCI World Index (30%-75% Americas, 10%-35% Europe, 5%-35% Asia).

The Fund targets returns greater than 10% over market cycles with 6%-8% volatility and an equity beta of 0.2–0.4 to the MSCI World Index.







For more information please see NEPC's Investment Due Diligence Report and Operational Due Diligence Report

JOHN HANCOCK TIMBER

			11	NVESTMENTS	;				
				Investments					
		Acquisition		Independe	nt appraisals			Fair	Unrealized
Property	Location	date	Acres	Last	Next		Book value	market value	appreciation (depreciation)
Pinchot	WA	10/31/05	640	Dec-16	NA		460,765	2,060,000	1,599,23
Plum Grove	PA/NY	10/31/05	15,205	Dec-16	NA		45,097,342	40,925,855	(4,171,48
Tyler	TX	10/31/05	86,759	Dec-17	Dec-18		76,284,320	165,757,809	89,473,48
Total equity real estate			102,604			s	121,842,427 \$	208,743,664	\$ 86,901,23
Other investments		Acquisition date							
Red River Timberlands Company *	LA, TX	4/1/08	119,241	Dec-17	Dec-18		110,552,895	128,381,357	17,828,46
Total other investments			119,241			\$	110,552,895 S	128,381,357	\$ 17,828,46

INVESTMENT REGIONS

Hancock Timber Resource Group Total Assets Under Management by Geographical Location As of March 31, 2018

Property Count	NCREIF Region		Real Estate Market Value	Market Value (%)	Acres	Acres (%)
2	Northeast	S	173,425,855	1.6%	58,155	1%
3	Lake States		266.159.122	2.4%	441.288	796
36	Pacific Northwest		2,689,298,977	24.4%	1.236,679	21%
31	Southeast		1,338,320,076	12.2%	728,686	12%
21	Southwest		2.319.874.894	21.1%	1,272,329	21%
9	Non - U.S.A		4.226,119,090	38.4%	2.263.931	38%
102		S	11.013.198,014	100.0%	6,001,068	100%



Source: Hancock

LANDMARK EQUITY PARTNERS XV

General Fund Information				
Fund Name	Landmark Equity Partners XV			
General Partner	Landmark Partners			
Main Address	10 Mill Pond Lane, Simsb	ury, CT 06070		
Target Fund Size	\$2.5B Expected Up to 15 months after Initial Closing			
Capital Raised	\$3.25B	Closes to Date	Yes	
Investment Period	3-4 years	Minimum Investment	\$10M (negotiable)	
Term of Entity	10 years from initial close, subject to 2 one-year extensions at GP's discretion	Investment Structure	Delaware L.P.	
Key Persons	There are 6 members of the Key Person clause	Fund Auditor	PWC	
Size of Fund Team	78 professionals (includes investment and administrative)	Number of Past Funds	28 (across all strategies)	

GP Fees, Promote and Commitment		
Preferred Return	8% per annum	
GP Fees	Years 1 - 4: 1.00% of LP's capital commitments Years 5 - 8: 1.00% of the aggregate amount of LP's capital contributions plus amounts subject to call for Fund obligations Years 8 - remaining life of fund: 1.00% of LP's investment percentage of the reported value of Fund XV's portfolio investments	
GP Commitment	1% of aggregate commitments	
Carried Interest	10% on secondary investments only	

	Fund S	trategy	
Investment Strategy	 Landmark XV's primary objective is to acquire interests in private equity investments through secondary transactions. Landmark will build a diversified portfolio of private equity partnership interests diversified by strategy, geography and vintage year. Landmark strives to execute transactions on a negotiated basis and acquire portfolios of interests in private equity funds and direct investments through secondary market transactions that are unique, may require structuring, and where the opportunity for value creation exists. 		
Target Net Returns	Landmark aims to return a 1.6x-1.8x net multiple and a 15%- 20% net IRR	Direct or fund of funds	Fund of funds (secondary interests)
Investment Style	Secondary	Target Fund	May use up to 10% leverage on
			aggregate commitment amount
Target Asset Types	Secondary investments in limited partnership interests	Target Geographies	Global (primary focus North America and Europe)
		Target Deal Size	No stated minimums or maximums

Fur	nd Sourcing and Asset Management Capabilities
Sourcing Capabilities	 Reactive deal flow is attributed to inbound leads from limited partners, general partners and intermediaries - generally in the form of an auction. Firm will only consider participating in a competitive process if it believes it has an edge on its competitors with regard to familiarity of a portfolio and/or believes the assets are mispriced. Utilizes its proprietary database, quantitative research, and portfolio management tools to proactively engage with potential sellers with the ultimate goal of sourcing investments on an exclusive basis. Believes that deal exclusivity hinges on talking to LPs who do not yet realize that they are potential sellers. Two-thirds of their non-auctioned deal flow is due to their research tool projects undertaken with potential sellers.
Value Add	 Focus on sourcing exclusive transactions should on average produce pricing that is lower than the prices available in the auction channel. Strives to arrange preferred structures to protect downside while preserving commensurate upside participation. Proactive sourcing model allows the investment team more time and better access to data to conduct due diligence.



APPENDIX

NEPC, LLC —

GLOSSARY OF TERMS

Alpha - Measures the relationship between the fund performance and the performance of another fund or benchmark index and equals the excess return while the other fund or benchmark index is zero.

Alpha Jensen - The average return on a portfolio over and above that predicted by the capital asset pricing model (CAPM), given the portfolio's beta and the average market return. Also known as the abnormal return or the risk adjusted excess return.

Annualized Excess Return over Benchmark - Annualized fund return minus the annualized benchmark return for the calculated return.

Annualized Return - A statistical technique whereby returns covering periods greater than one year are converted to cover a 12 month time span.

Beta - Measures the volatility or systematic risk and is equal to the change in the fund's performance in relation to the change in the assigned index's performance.

Information Ratio - A measure of the risk adjusted return of a financial security, asset, or portfolio.

Formula:

(Annualized Return of Portfolio - Annualized Return of Benchmark)/Annualized Standard Deviation(Period Portfolio Return - Period Benchmark Return). To annualize standard deviation, multiply the deviation by the square root of the number of periods per year where monthly returns per year equals 12 and quarterly returns is four periods per year.

R-Squared – Represents the percentage of a fund's movements that can be explained by movements in an index. R-Squared values range from 0 to 100. An R-Squared of 100 denotes that all movements of a fund are completely explained by movements in the index.

Sharpe Ratio - A measure of the excess return or risk premium per unit of risk in an investment asset or trading strategy.

Sortino Ratio - A method to differentiate between good and bad volatility in the Sharpe Ratio. The differentiation of up and down volatility allows the calculation to provide a risk adjusted measure of a security or fund's performance without upward price change penalties.

Formula:

Calculation Average (X-Y)/Downside Deviation (X-Y) * 2 Where X=Return Series X Y = Return Series Y which is the risk free return (91 day T-bills) Standard Deviation - The standard deviation is a statistical term that describes the distribution of results. It is a commonly used measure of volatility of returns of a portfolio, asset class, or security. The higher the standard deviation the more volatile the returns are.

Formula:

(Annualized Return of Portfolio – Annualized Return of Risk Free) / Annualized Standard Deviation (Portfolio Returns)

Tracking Error - Tracking error, also known as residual risk, is a measure of the degree to which a portfolio tracks its benchmark. It is also a measure of consistency of excess returns. Tracking error is computed as the annualized standard deviation of the difference between a portfolio's return and that of its benchmark.

Formula:

Tracking Error = Standard Deviation $(X-Y) * \sqrt{(\# of periods per year)}$ Where X = periods portfolio return and <math>Y = the period's benchmark returnFor monthly returns, the periods per year = 12 For quarterly returns, the periods per year = 4

Treynor Ratio - A risk-adjusted measure of return based on systematic risk. Similar to the Sharpe ratio with the difference being the Treynor ratio uses beta as the measurement of volatility.

Formula:

(Portfolio Average Return - Average Return of Risk-Free Rate)/Portfolio Beta

Up/Down Capture Ratio - A measure of what percentage of a market's returns is "captured" by a portfolio. For example, if the market declines 10% over some period, and the manager declines only 9%, then his or her capture ratio is 90%. In down markets, it is advantageous for a manager to have as low a capture ratio as possible. For up markets, the higher the capture ratio the better. Looking at capture ratios can provide insight into how a manager achieves excess returns. A value manager might typically have a lower capture ratio in both up and down markets, achieving excess returns by protecting on the downside, whereas a growth manager might fall more than the overall market in down markets, but achieve above-market returns in a rising market.

 $\label{eq:UpsideCapture} UpsideCapture = TotalReturn(FundReturns)/TotalReturns(BMReturn) \ when \ Period Benchmark \ Return \ is \ > = 0$

 $Downside Capture = Total Return (Fund Returns)/Total Returns (BMR eturn) \ when Benchmark < 0$

Data Source: InvestorForce



INFORMATION DISCLAIMER AND REPORTING METHODOLOGY

Information Disclaimer

- Past performance is no guarantee of future results.
- All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.
- Some index returns displayed in this report or used in calculation of a policy, allocation or custom benchmark may not be available from the source or may be preliminary and subject to change.
- NEPC's source for portfolio pricing, calculation of accruals, and transaction information is the plan's custodial bank.
 Information on market indices and security characteristics is received from other sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
- This report is provided as a management aid for the client's internal use only. Performance contained in this report does not constitute a recommendation by NEPC.
- This report may contain confidential or proprietary information and may not be copied or redistributed to any party not legally entitled to receive it.

Reporting Methodology

- The client's custodian bank is NEPC's preferred data source unless otherwise directed. NEPC reconciles custodian data to manager data. If the custodian cannot provide accurate data, manager data may be used.
- Trailing time period returns are determined by geometrically linking the holding period returns, from the first full month
 after inception to the report date. Rates of Return are annualized when the time period is longer than a year.
 Performance is presented gross and/or net of manager fees as indicated on each page.
- For managers funded in the middle of a month, the "since inception" return will start with the first full month, although actual inception dates and cash flows are taken into account in all Composite calculations.
- This report may contain forward-looking statements that are based on NEPC's estimates, opinions and beliefs, but NEPC cannot guarantee that any plan will achieve its targeted return or meet other goals.





AGENDA ITEM SUMMARY

1. NAME OF ITEM: Performance Review – Defined Benefit Pension Fund

2. INITIATED BY: Kelly Martin, Chair

3. BOARD INFORMATION: X BOARD ACTION:

4. OUTCOME:Primary Outcomes:

BOARD POLICY:
Section 709 - Investments

Enhance fiscal positioning

5. BACKGROUND:

Enclosed for your information is the Pension Fund performance report for the quarter that ended March 31, 2018.

Kelly Regan and Jay Roney of NEPC will provide a brief review at the June 14, 2018 Investment Committee meeting.

FIRST QUARTER 2018 INVESTMENT REVIEW



UNIVERSITY OF MAINE SYSTEM PENSION PLAN

June 14, 2018

Jay E. Roney, Partner Kelly Regan, Senior Consultant



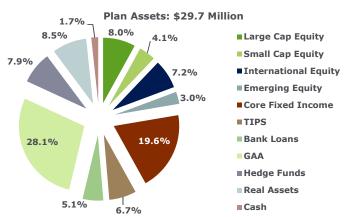
BOSTON | ATLANTA | CHARLOTTE | CHICAGO | DETROIT | LAS VEGAS | PORTLAND | SAN FRANCISCO

EXECUTIVE SUMMARY

NEPC, LLC —

EXECUTIVE SUMMARY





PLA	N PERFOR	MANCE: N	NET OF FEES	•				
	QTR FYTD 3 YR 5 YR (%) (%) (%)							
COMPOSITE	-0.6	3.6	3.7	4.6	4.3			
ALLOC. INDEX	-0.1	6.0	5.1	5.9	5.0			
POLICY INDEX	-0.2	5.7	5.3	6.1	5.6			
RANK (TRUST FUNDS)	62	82	84	83	86			

PLAN COMMENTS

Asset Allocation

The Plan's assets were \$29.7 million as of March 31, 2018, a \$1.2 million decrease during the first quarter. Investment losses were \$116 thousand and benefit payments amounted to \$1.1 million. All asset classes are within policy ranges.

Performance (Net of Fees)

The Fund returned -0.6% in the 1st quarter and 3.6% fiscal-year-to-date, ranking in the 62nd and 82nd percentiles, respectively.

The Fund ranks below median over all time periods due to the Fund's conservative asset allocation and select manager underperformance.

Bank loan, equity long/short hedge fund and real estate managers were the top contributors to overall performance during the quarter. Emerging market equity, credit hedge fund and global asset allocation managers detracted form overall performance during the quarter.

RECENT ACTIONS/RECOMMENDATIONS

Recent Actions

At the last meeting, Committee approved the asset allocation mix titled "Alternative ${\rm Mix}$ ".

Rebalancing was provided to cover benefit payments and expenses.

Recommendations

NEPC has provided information surrounding Bank Loans under separate cover.

NEPC has provided a revised Investment Policy Statement to reflect the new policy targets under separate cover.

Investment Manager Updates

Guggenheim and Lighthouse had announcements during the $1^{\rm st}$ quarter; Client Review is recommended for Guggenheim.



DUE DILIGENCE MONITOR

The items below summarize the recent quarter's performance and any changes or announcements from your Plan managers/funds. A "-" indicates there were no material announcements. A "Yes" indicates there was an announcement and a summary is provided separately. NEPC's Due Diligence Committee meets every two weeks to review events as they relate to investment managers and determines if any action should be taken by NEPC and/or by our clients. They rate events: No Action, Watch, Hold, Client Review or Terminate. With respect to Performance, a "-" indicates the manager/fund performed in line with the majority of managers/funds in the category; only outliers (placement in the Top or Bottom Quartile) are highlighted. Your Consultant's Recommendation is refreshed quarterly in view of the recent quarter's developments (performance, manager events, and any of the longer-term trending data). NEPC considers ourselves to be a fiduciary, as ERISA defines the term in Section 3(21).

Fund	Manager Changes/ Announcements (Recent Quarter)	NEPC Due Diligence Committee Recommendations
Guggenheim	Yes	Client Review
Lighthouse	Yes	Watch

	NEPC Due Diligence Committee Recommendation Key
No Action	Informational items have surfaced; no action is recommended.
Watch	Issues have surfaced to be concerned over; manager can participate in future searches, but current and prospective clients must be made aware of the issues.
Hold	Serious issues have surfaced to be concerned over; manager cannot be in future searches unless a client specifically requests, but current and prospective clients must be made aware of the issues.
Client Review	Very serious issues have surfaced with a manager; manager cannot be in future searches unless a client specifically requests. Current clients must be advised to review the manager.
Terminate	We have lost all confidence in the product; manager would not be recommended for searches and clients would be discouraged from using. The manager cannot be in future searches unless a client specifically requests. Current clients must be advised to replace the manager.



TOTAL PLAN PERFORMANCE DETAIL

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Pension Composite	29,739,883	100.0	100.0	-0.6	3.6	-0.6	6.1	6.5	3.7	4.6	4.9	4.3
Allocation Index				-0.1	6.0	-0.1	8.7	7.8	5.1	5.9	5.9	5.0
Policy Index				-0.2	5.7	-0.2	8.5	7.9	5.3	6.1	6.2	5.6
Total Domestic Large Cap	2,374,930	8.0	8.0	-0.8	10.6	-0.8	14.0	15.5	10.8	13.0	11.7	8.1
S&P 500				-0.8	10.6	-0.8	14.0	15.6	10.8	13.3	12.7	9.5
Vanguard S&P 500 Index	2,374,930	8.0	8.0	-0.8	10.6	-0.8	14.0	15.5	10.8			
S&P 500				-0.8	10.6	-0.8	14.0	15.6	10.8	13.3	12.7	9.5
Total Small Cap Composite	1,213,388	4.1	4.0	-0.1	9.1	-0.1	11.8	18.8	8.4	11.2	10.1	
Russell 2000				-0.1	9.1	-0.1	11.8	18.8	8.4	11.5	10.4	9.8
SSgA R2000 Index Fund Non Lending	1,213,388	4.1	4.0	-0.1	9.1	-0.1	11.8	18.8	8.4	11.3	10.2	
Russell 2000				-0.1	9.1	-0.1	11.8	18.8	8.4	11.5	10.4	9.8
Total International Equity (including emerging markets)	3,029,220	10.2	10.0	-1.2	6.0	-1.2	12.6	10.3	3.9	3.6	4.3	2.5
MSCI EAFE				-1.5	8.2	-1.5	14.8	13.2	5.6	6.5	5.3	2.7
Morgan Stanley Int'l	2,129,783	7.2	7.0	-1.5	5.6	-1.5	13.7	11.4	5.1	5.4	5.7	3.4
MSCI EAFE				-1.5	8.2	-1.5	14.8	13.2	5.6	6.5	5.3	2.7
Emerging Markets Equity	899,437	3.0	3.0	-0.6	6.9	-0.6	10.6	8.0	1.3	-0.4		
MSCI Emerging Markets				1.4	17.6	1.4	24.9	21.0	8.8	5.0	2.5	3.0
Mondrian EM Small Cap	899,437	3.0	3.0	-0.6	6.9	-0.6	10.6	8.0	1.3			
MSCI Emerging Markets Small Cap				0.2	15.6	0.2	18.6	16.5	7.2	4.6	2.5	4.4
Total Fixed Income	9,373,615	31.5	32.0	-1.0	0.5	-1.0	1.8	1.9	1.7	1.9	3.4	4.7
BBgBarc US Aggregate TR				-1.5	-0.2	-1.5	1.2	0.8	1.2	1.8	2.9	3.6
Vanguard Total Bond Market Index	5,841,045	19.6	20.0	-1.5	-0.4	-1.5	1.1	0.8	1.1			
BBgBarc US Aggregate TR				-1.5	-0.2	-1.5	1.2	0.8	1.2	1.8	2.9	3.6
Vanguard Inflation-Protected Securities	2,003,056	6.7	7.0	-0.9	1.1	-0.9						
BBgBarc US TIPS TR				-0.8	1.3	-0.8	0.9	1.2	1.3	0.0	2.5	2.9
Guggenheim US Bank Loans	1,529,514	5.1	5.0	1.1	3.2	1.1						
Credit Suisse Leveraged Loans				1.6	3.9	1.6	4.6	7.2	4.3	4.2	4.5	5.4
Total GAA	8,363,345	28.1	27.5	-1.0	2.6	-1.0	5.6	6.1	2.6	2.9	2.8	
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				-0.1	8.1	-0.1	12.1	10.5	6.5	6.6	6.0	4.8
Wellington	4,257,515	14.3	13.8	-0.7	5.7	-0.7	10.4	11.5	6.0	6.3	4.0	
65% MSCI ACWI (Net) / 35% BBgBarc Global Agg				-0.1	8.1	-0.1	12.1	10.5	6.5	6.6	6.0	4.8
Newton Global Real Return	4,105,830	13.8	13.8	-1.3	-0.7	-1.3	0.9					
60% MSCI ACWI (Net) / 40% CITI WGBI				0.5	8.3	0.5	12.3	9.8	6.4	6.1	5.5	4.4



TOTAL PLAN PERFORMANCE DETAIL

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Fiscal YTD (%)	YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Total Alternative Investments	2,352,178	7.9	7.5	0.6	4.7	0.6	5.0	6.2	1.9	2.9	1.8	
HFRI Fund of Funds Composite Index				0.3	4.7	0.3	5.6	5.9	1.9	3.4	2.6	1.6
EntrustPermal	755,926	2.5	2.5	-2.6	-0.4	-2.6	0.9	3.8	-0.4	1.8	2.2	3.6
HFRI Fund of Funds Composite Index				0.3	4.7	0.3	5.6	5.9	1.9	3.4	2.6	1.6
Lighthouse	1,596,252	5.4	5.0	2.1	7.1	2.1	6.5	7.3				
Credit Suisse Long Shrt Eqt USD				1.0	7.4	1.0	10.7	7.3	4.0	6.3	4.9	4.5
Total Real Assets	2,533,813	8.5	8.0									
Principal	2,533,813	8.5	8.0	1.9	5.8	1.9	8.0	8.5	9.7	11.0	11.7	4.3
NCREIF ODCE				2.2	6.3	2.2	8.1	8.2	10.0	11.4	11.8	5.1
Total Cash	499,395	1.7	3.0									
Distribution Account	499,395	1.7	3.0	0.3	0.7	0.3	8.0	0.4	0.3	0.2	0.1	0.3
91 Day T-Bills				0.4	0.9	0.4	1.2	0.8	0.5	0.3	0.3	0.3

Notes:

Fiscal YTD begins 7/1

Blended Index: 40% BC Aggregate, 30% BC U.S. TIPS 1-10YR, 10% S&P 500, 10% BC High Yield, 10% JPM EMBI+

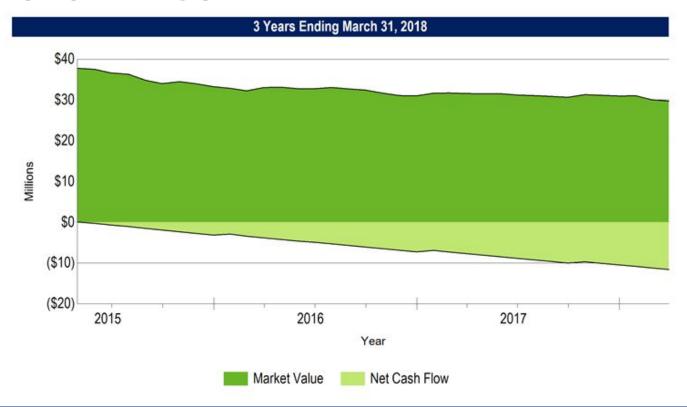
Returns are net of manager fees



PLAN SUMMARY AND STATISTICS

NEPC, LLC —

ASSET GROWTH SUMMARY



	Last Three Months	Fiscal Year-To-Date	One Year	Three Years
Beginning Market Value	\$30,986,608	\$31,216,135	\$31,582,299	\$37,268,259
Net Cash Flow	-\$1,130,580	-\$2,737,971	-\$3,894,125	-\$11,596,208
Net Investment Change	-\$116,145	\$1,261,719	\$2,051,708	\$4,067,831
Ending Market Value	\$29,739,883	\$29,739,883	\$29,739,883	\$29,739,883



CASH FLOW SUMMARY

	Market Value Contributions Withdrawals Net Casil Flow Change Market Volume \$178,653 \$1,400,000 -\$1,079,552 \$320,448 \$294 \$499 \$776,348 \$0 \$0 \$0 -\$20,422 \$759 \$1,512,750 \$0 -\$1,908 -\$1,908 \$18,671 \$1,529 \$1,719,006 \$0 -\$160,000 -\$160,000 \$37,246 \$1,596 \$1,031,879 \$0 -\$132,903 -\$132,903 \$461 \$899												
		Contributions	Withdrawals	Net Cash Flow		Ending Market Value							
Distribution Account	\$178,653	\$1,400,000	-\$1,079,552	\$320,448	\$294	\$499,395							
EntrustPermal	\$776,348	\$0	\$0	\$0	-\$20,422	\$755,926							
Guggenheim US Bank Loans	\$1,512,750	\$0	-\$1,908	-\$1,908	\$18,671	\$1,529,514							
Lighthouse	\$1,719,006	\$0	-\$160,000	-\$160,000	\$37,246	\$1,596,252							
Mondrian EM Small Cap	\$1,031,879	\$0	-\$132,903	-\$132,903	\$461	\$899,437							
Morgan Stanley Int'l	\$2,315,686	\$0	-\$155,367	-\$155,367	-\$30,536	\$2,129,783							
Newton Global Real Return	\$4,157,876	\$0	-\$8,202	-\$8,202	-\$43,844	\$4,105,830							
Principal	\$2,661,149	\$0	-\$175,000	-\$175,000	\$47,664	\$2,533,813							
SSgA R2000 Index Fund Non Lending	\$1,280,095	\$0	-\$65,509	-\$65,509	-\$1,198	\$1,213,388							
Vanguard Inflation-Protected Securities	\$2,021,769	\$0	-\$349	-\$349	-\$18,364	\$2,003,056							
Vanguard S&P 500 Index	\$2,557,117	\$0	-\$175,245	-\$175,245	-\$6,942	\$2,374,930							
Vanguard Total Bond Market Index	\$6,264,444	\$0	-\$331,060	-\$331,060	-\$92,339	\$5,841,045							
Wellington	\$4,509,836	\$0	-\$245,486	-\$245,486	-\$6,835	\$4,257,515							
Total	\$30,986,608	\$1,400,000	-\$2,530,580	-\$1,130,580	-\$116,145	\$29,739,883							



ASSET ALLOCATION

Policy	Current
8.0%	8.0%
4.0%	4.1%
7.0%	7.2%
3.0%	3.0%
20.0%	19.6%
5.0%	5.1%
7.0%	6.7%
25.0%	28.1%
10.0%	7.9%
8.0%	8.5%
3.0%	1.7%

	Asset Alloc	ation vs.	Target			
	Current	Current Policy		Difference	Policy Range	Within Range
Large Cap Equity	\$2,374,930	8.0%	8.0%	0.0%	3.0% - 13.0%	Yes
Small Cap Equity	\$1,213,388	4.0%	4.1%	0.1%	0.0% - 6.0%	Yes
International Equity	\$2,129,783	7.0%	7.2%	0.2%	2.0% - 12.0%	Yes
Emerging Markets Equity	\$899,437	3.0%	3.0%	0.0%	0.0% - 5.0%	Yes
Core Bonds	\$5,841,045	20.0%	19.6%	-0.4%	15.0% - 25.0%	Yes
Bank Loans	\$1,529,514	5.0%	5.1%	0.1%	0.0% - 10.0%	Yes
TIPS	\$2,003,056	7.0%	6.7%	-0.3%	2.0% - 112.0%	Yes
Global Asset Allocation	\$8,363,345	25.0%	28.1%	3.1%	20.0% - 30.0%	Yes
Hedge Funds	\$2,352,178	10.0%	7.9%	-2.1%	7.0% - 13.0%	Yes
Real Estate	\$2,533,813	8.0%	8.5%	0.5%	0.0% - 10.0%	Yes
Cash	\$499,395	3.0%	1.7%	-1.3%	0.0% - 10.0%	Yes
Total	\$29,739,883	100.0%	100.0%			



ASSET ALLOCATION

Policy	Current	Look Through
8.0%	8.0%	10.7%
4.0%	4.1%	4.1%
7.0%	7.2%	4.1%
3.0%	3.0%	16.3%
20.0%	19.6%	5.6%
5.0% 7.0%	5.1% 6.7%	24.2%
25.0%	28.1%	5.1% 6.7%
10.0%	7.9%	7.9% 8.5%
8.0%	8.5%	1.3%
3.0%	1.7%	4.7%

Ass	set Allocation		
	Policy	Current	Look Through
Large Cap Equity	8.0%	8.0%	10.7%
Small Cap Equity	4.0%	4.1%	4.1%
International Equity	7.0%	7.2%	16.3%
Emerging Markets Equity	3.0%	3.0%	5.6%
Core Bonds	20.0%	19.6%	24.2%
Bank Loans	5.0%	5.1%	5.1%
TIPS	7.0%	6.7%	6.7%
Diversified Fixed Income			4.9%
Global Asset Allocation	25.0%	28.1%	
Hedge Funds	10.0%	7.9%	7.9%
Real Estate	8.0%	8.5%	8.5%
Real Assets			1.3%
Cash	3.0%	1.7%	4.7%
Total	100.0%	100.0%	100.0%

Net Asset Allocation breaks out the exposure of GAA managers.

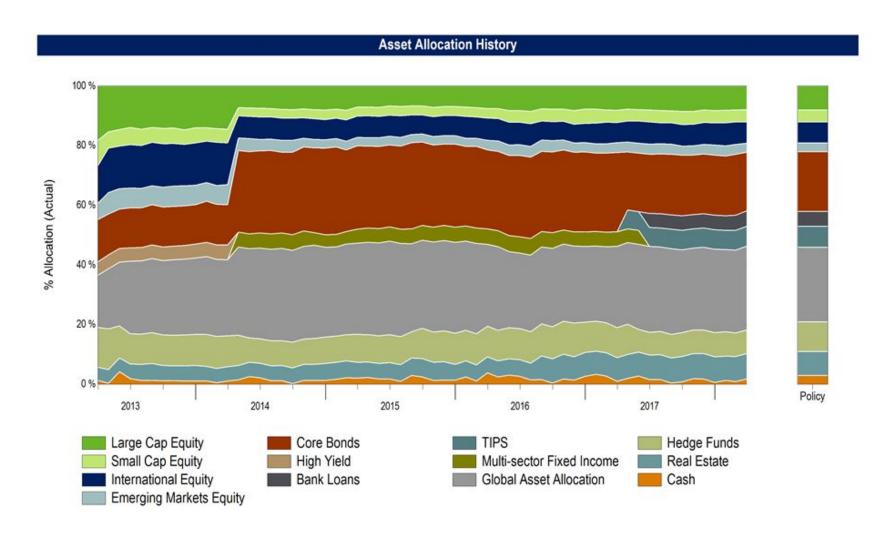
Asset class weights may not add up to 100% due to rounding.

The 60% MSCI ACWI/40% CITI WGBI Index is broken down into the following categories: 31.3% Domestic Equities, 21.3% Int'l Equities, 7.3% Emerging Equities, 13.6% US Treasury Bonds, 13.3% European Government Bonds, 8.0% Japanese Debt, 2.3% United Kingdom Bonds and 2.8% Developing Markets Bonds.

 $\label{localization} \text{Diversified Fixed Income bucket includes: multi-sector fixed income., non-U.S. fixed income, and emerging fixed income } .$

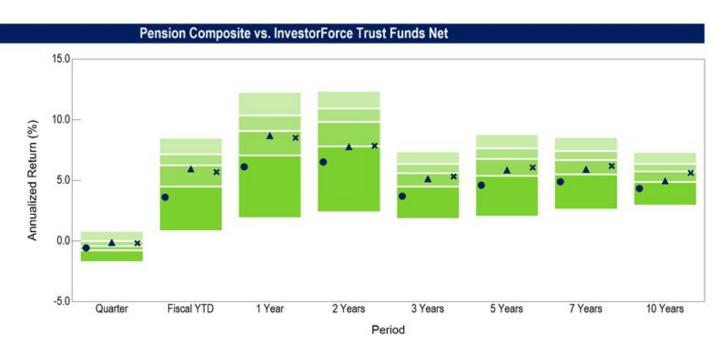


ASSET ALLOCATION HISTORY





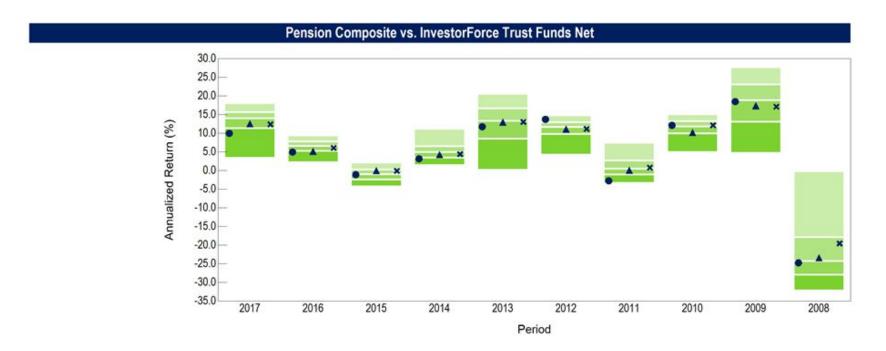
RETURNS VS. PEER UNIVERSE



	Return (R	ank)														
5th Percentile	0.8		8.5		12.3		12.4		7.4		8.8		8.6		7.3	
25th Percentile	0.0		7.2		10.4		10.9		6.4		7.7		7.4		6.4	
Median	-0.4		6.3		9.1		9.8		5.6		6.8		6.7		5.7	
75th Percentile	-0.8		4.5		7.1		7.8		4.5		5.4		5.5		4.9	
95th Percentile	-1.7		0.8		1.9		2.4		1.8		2.0		2.6		3.0	
# of Portfolios	2,562		2,522		2,495		2,389		2,298		2,082		1,874		1,582	
Pension Composite	-0.6	(62)	3.6	(82)	6.1	(80)	6.5	(81)	3.7	(84)	4.6	(83)	4.9	(83)	4.3	(86)
Allocation Index	-0.1	(31)	6.0	(57)	8.7	(58)	7.8	(76)	5.1	(63)	5.9	(69)	5.9	(69)	5.0	(73)
Policy Index	-0.2	(35)	5.7	(62)	8.5	(62)	7.9	(75)	5.3	(58)	6.1	(66)	6.2	(63)	5.6	(54)



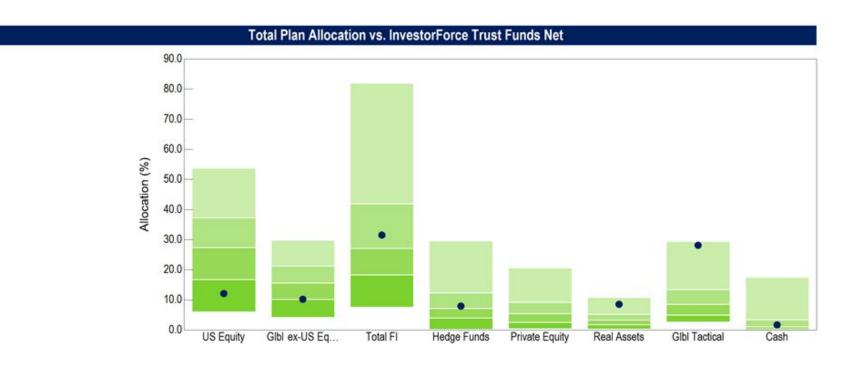
RETURNS VS. PEER UNIVERSE



	Return	(Rank)																	
5th Percentile	18.0	9.4		2.1		11.2		20.6		14.8		7.4		15.1		27.7		-0.2	
25th Percentile	15.7	7.9		0.3		6.6		16.7		13.0		2.8		13.3		23.1		-17.8	
Median	14.1	6.7		-0.9		5.0		13.4		11.7		0.6		11.9		18.9		-24.2	
75th Percentile	11.4	5.3		-2.3		3.6		8.7		9.8		-1.0		10.0		13.2		-27.9	
95th Percentile	3.5	2.3		-4.2		1.5		0.3		4.3		-3.2		5.0		4.8		-32.1	
# of Portfolios	2,518	2,446		2,339		2,007		1,709		1,539		1,403		1,326		1,233		1,161	
Pension Composite	10.0	(80) 5.0	(80)	-1.1	(54)	3.2	(82)	11.8	(60)	13.7	(14)	-2.7	(92)	12.1	(47)	18.5	(52)	-24.7	(54)
Allocation Index	12.6	(67) 5.2	(77)	0.0	(32)	4.3	(64)	13.0	(53)	11.2	(60)	0.1	(57)	10.2	(73)	17.4	(58)	-23.3	(46)
Policy Index	12.4	(69) 6.1	(64)	-0.1	(34)	4.4	(62)	13.1	(52)	11.2	(60)	0.8	(47)	12.2	(47)	17.1	(59)	-19.5	(29)



ALLOCATIONS VS. PEER UNIVERSE



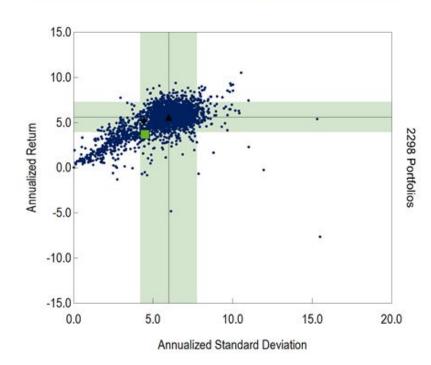
	5th Percentile
	25th Percentile
	Median
	75th Percentile
	95th Percentile
	# of Portfolios
•	Pension Composite

Allocation	(Rank)														
53.7		29.8		82.0		29.6		20.6		10.8		29.4		17.5	
37.4		21.2		42.0		12.4		9.3		5.3		13.5		3.5	
27.5		15.7		27.2		7.3		5.5		3.4		8.6		1.1	
16.8		10.2		18.4		4.1		2.6		1.8		5.0		0.3	
6.1		4.2		7.6		0.3		0.4		0.3		2.7		0.0	
1,745		1,723		2,313		915		767		487		391		1,951	
12.1	(86)	10.2	(76)	31.5	(41)	7.9	(46)		_	8.5	(13)	28.1	(6)	1.7	(42)



TOTAL PLAN RISK/RETURN - 3 YEAR

3 Years Ending March 31, 2018



Pension Composite 3.7	% 84	4.5%	21
Allocation Index 5.1	% 63	4.4%	20
Policy Index 5.3	% 58	4.5%	21
InvestorForce Trust Funds Net Median 5.6	%	6.0%	-

3 Years Ending March 31, 2018

Rank

Anlzd Std Dev

Anlzd Ret

3 Y	ears Ending Marc	h 31, 2018		
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
Pension Composite	0.7	78	1.2	54
Allocation Index	1.0	20	1.6	12
Policy Index	1.1	17	1.7	8
InvestorForce Trust Funds Net Median	0.8	-	1.2	

- 68% Confidence Interval
- InvestorForce Trust Funds Net

^{*}Returns are net of fees.

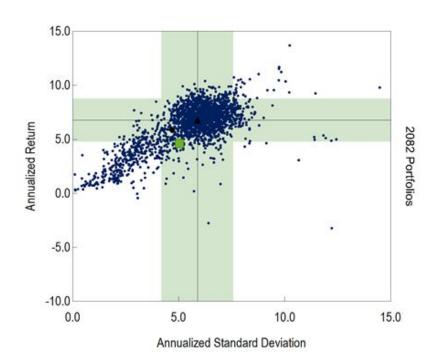


Pension Composite

Allocation Index

Universe Median

TOTAL PLAN RISK/RETURN - 5 YEAR



5 Ye	ears Ending Mar	ch 31, 2018		
	Anlzd Ret	Rank	Anlzd Std Dev	Rank
Pension Composite	4.6%	83	5.0%	26
Allocation Index	5.9%	69	4.7%	22
Policy Index	6.1%	66	4.7%	22
InvestorForce Trust Funds Net Median	6.8%		5.9%	

5 Y	ears Ending Marc	h 31, 2018		
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
Pension Composite	0.8	85	1.6	64
Allocation Index	1.2	34	2.1	22
Policy Index	1.2	31	2.3	16
InvestorForce Trust Funds Net Median	1.1		1.8	

- 68% Confidence Interval
- InvestorForce Trust Funds Net

^{*}Returns are net of fees.



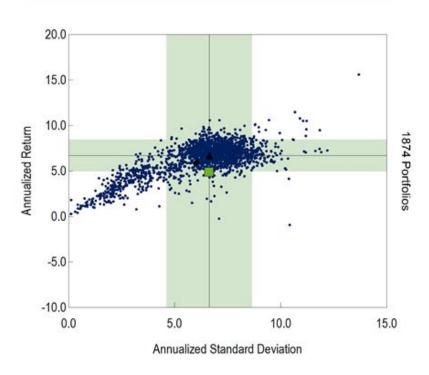
Pension Composite

Allocation Index

Universe Median

TOTAL PLAN RISK/RETURN - 7 YEAR

7 Years Ending March 31, 2018



7 Ye	7 Years Ending March 31, 2018 Anlzd Ret Rank Anlzd Std Dev Rank 4.9% 83 6.6% 50 5.9% 69 6.0% 33 6.2% 63 5.9% 31									
	Anlzd Ret	Rank	Anlzd Std Dev	Rank						
Pension Composite	4.9%	83	6.6%	50						
Allocation Index	5.9%	69	6.0%	33						
Policy Index	6.2%	63	5.9%	31						
InvestorForce Trust Funds Net Median	6.7%	-	6.6%							

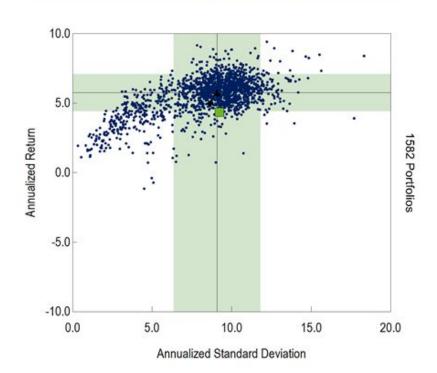
7 Y	ears Ending Marc	h 31, 2018		
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
Pension Composite	0.7	93	0.9	94
Allocation Index	0.9	59	1.3	62
Policy Index	1.0	49	1.5	46
InvestorForce Trust Funds Net Median	1.0	-	1.4	

- Pension Composite
- Allocation Index
- Universe Median
- 68% Confidence Interval
- InvestorForce Trust Funds Net

*Returns are net of fees.



TOTAL PLAN RISK/RETURN - 10 YEAR



10 Y	ears Ending Ma	rch 31, 2018	3	
	Anlzd Ret	Rank	Anlzd Std Dev	Rank
Pension Composite	4.3%	86	9.2%	55
Allocation Index	5.0%	73	8.6%	41
Policy Index	5.6%	54	8.2%	34
InvestorForce Trust Funds Net Median	5.7%		9.1%	

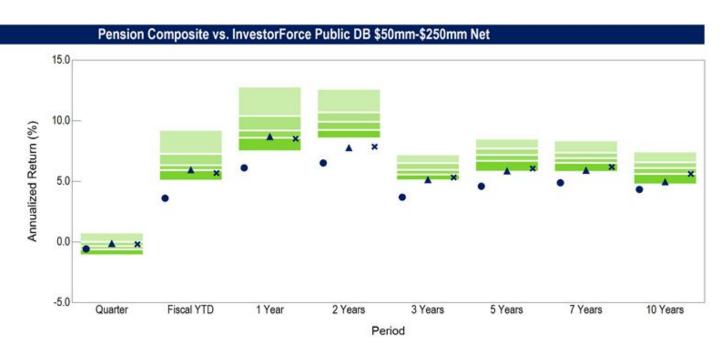
10`	Years Ending Mar	ch 31, 2018		
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
Pension Composite	0.4	92	0.5	91
Allocation Index	0.5	72	0.6	69
Policy Index	0.7	43	0.8	38
InvestorForce Trust Funds Net Median	0.6		0.7	

- Pension Composite
- Allocation Index
- Universe Median
- 68% Confidence Interval
- InvestorForce Trust Funds Net

^{*}Returns are net of fees.



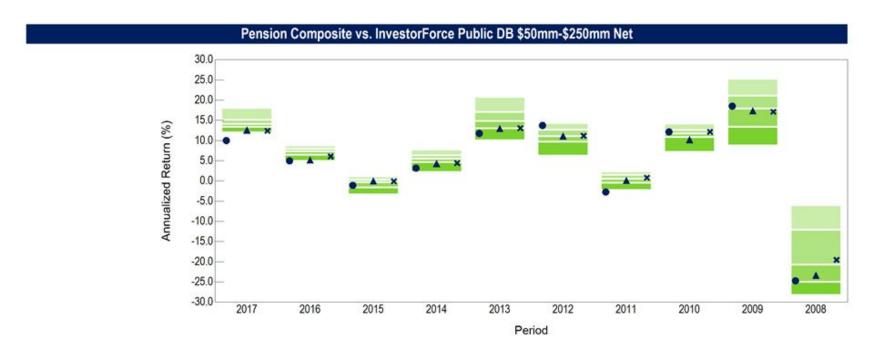
RETURNS VS. PEER UNIVERSE



		Return (Ra	ank)														
5	th Percentile	0.8		9.2		12.8		12.6		7.2		8.5		8.4		7.5	
2	5th Percentile	0.0		7.3		10.4		10.7		6.5		7.7		7.4		6.6	
1	Median	-0.3		6.4		9.2		9.9		6.0		7.2		6.9		6.1	
7	5th Percentile	-0.6		5.9		8.6		9.3		5.6		6.7		6.5		5.6	
9	5th Percentile	-1.1		5.1		7.5		8.6		5.1		5.8		5.8		4.8	
#	of Portfolios	74		74		74		72		72		67		59		54	
•	Pension Composite	-0.6	(71)	3.6	(99)	6.1	(99)	6.5	(99)	3.7	(99)	4.6	(99)	4.9	(99)	4.3	(99)
	Allocation Index	-0.1	(35)	6.0	(75)	8.7	(74)	7.8	(99)	5.1	(95)	5.9	(93)	5.9	(90)	5.0	(94)
1	Policy Index	-0.2	(38)	5.7	(83)	8.5	(79)	7.9	(99)	5.3	(88)	6.1	(92)	6.2	(84)	5.6	(76)



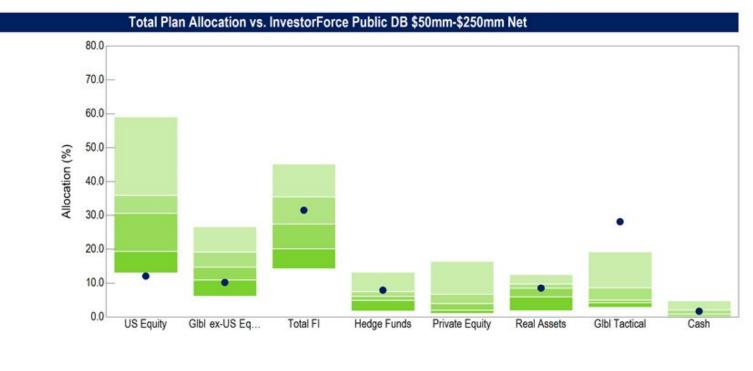
RETURNS VS. PEER UNIVERSE



	Return	(Rank)																		
5th Percentile	18.1		8.7		1.1		7.7		20.8		14.3		2.3		14.2		25.3		-6.0	
25th Percentile	15.2		8.0		0.4		6.3		17.1		12.7		1.5		12.6		21.1		-12.0	
Median	14.2		7.4		-0.3		5.6		14.9		11.1		0.6		11.7		18.0		-20.7	
75th Percentile	13.5		6.5		-1.6		4.7		13.1		9.7		-0.4		10.9		13.4		-25.0	
95th Percentile	12.1		5.0		-3.3		2.3		10.1		6.3		-2.2		7.2		8.9		-28.2	
# of Portfolios	74		74		75		66		58		54		46		44		43		42	
Pension Composite	10.0	(99)	5.0	(96)	-1.1	(70)	3.2	(92)	11.8	(87)	13.7	(10)	-2.7	(98)	12.1	(38)	18.5	(48)	-24.7	(73)
Allocation Index	12.6	(87)	5.2	(95)	0.0	(39)	4.3	(84)	13.0	(76)	11.2	(50)	0.1	(64)	10.2	(83)	17.4	(52)	-23.3	(64)
Policy Index	12.4	(91)	6.1	(86)	-0.1	(43)	4.4	(82)	13.1	(76)	11.2	(50)	0.8	(44)	12.2	(38)	17.1	(52)	-19.5	(47)



ALLOCATIONS VS. PEER UNIVERSE

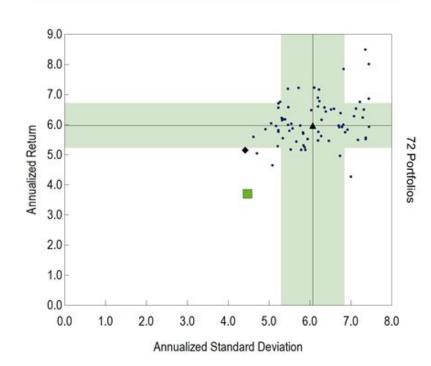


	5th Percentile
:	25th Percentile
1	Median
1	75th Percentile
	95th Percentile
-	of Portfolios
	Pension Composi

59.1		26.6		45.1		13.2		16.4	12.5		19.2		4.8	
36.0		19.3		35.5		7.6		6.8	9.8		8.7		2.1	
30.7		14.8		27.5		6.2		4.1	8.6		5.1		0.9	
19.4		11.0		20.2		5.0		2.0	6.0		4.3		0.3	
13.1		6.2		14.3		1.8		1.1	1.9		2.9		0.0	
54		63		72		14		30	13		18		68	
12.1	(99)	10.2	(82)	31.5	(40)	7.9	(22)	227	 8.5	(59)	28.1	(1)	1.7	(34)



TOTAL PLAN RISK/RETURN - 3 YEAR



3 Years Ending March 31, 2018						
	Anlzd Ret	Rank	Anlzd Std Dev	Rank		
Pension Composite	3.7%	99	4.5%	1		
Allocation Index	5.1%	95	4.4%	1		
Policy Index	5.3%	88	4.5%	1		
InvestorForce Public DB \$50mm-\$250mm Net Median	6.0%		6.1%	-		

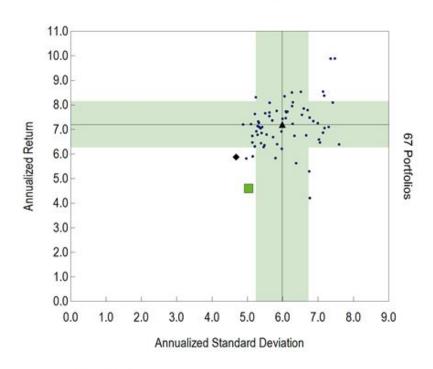
3 Years Ending March 31, 2018							
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank			
Pension Composite	0.7	94	1.2	67			
Allocation Index	1.0	25	1.6	12			
Policy Index	1.1	19	1.7	5			
InvestorForce Public DB \$50mm-\$250mm Net Median	0.9		1.3				

- Pension Composite
- Allocation Index
- Universe Median
- 68% Confidence Interval
- InvestorForce Public DB \$50mm-\$250mm Net

^{*}Returns are net of fees.



TOTAL PLAN RISK/RETURN - 5 YEAR



5 Years Ending March 31, 2018						
	Anlzd Ret	Rank	Anlzd Std Dev	Rank		
Pension Composite	4.6%	99	5.0%	3		
Allocation Index	5.9%	93	4.7%	1		
Policy Index	6.1%	92	4.7%	1		
InvestorForce Public DB \$50mm-\$250mm Net Median	7.2%		6.0%	-		

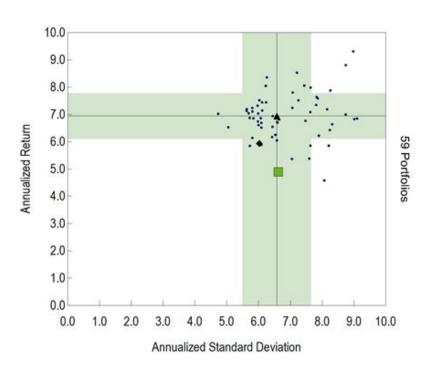
5 Years Ending March 31, 2018							
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank			
Pension Composite	0.8	95	1.6	80			
Allocation Index	1.2	48	2.1	27			
Policy Index	1.2	40	2.3	15			
InvestorForce Public DB \$50mm-\$250mm Net Median	1.2		2.0				

- Pension Composite
- Allocation Index
- Universe Median
- 68% Confidence Interval
- InvestorForce Public DB \$50mm-\$250mm Net

^{*}Returns are net of fees.



TOTAL PLAN RISK/RETURN - 7 YEAR



7 Years Ending March 31, 2018							
	Anlzd Ret	Rank	Anlzd Std Dev	Rank			
Pension Composite	4.9%	99	6.6%	55			
Allocation Index	5.9%	90	6.0%	26			
Policy Index	6.2%	84	5.9%	19			
InvestorForce Public DB \$50mm-\$250mm Net Median	6.9%	-	6.6%				

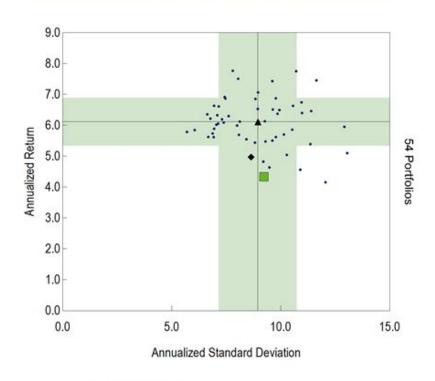
7 Years Ending March 31, 2018						
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank		
Pension Composite	0.7	96	0.9	99		
Allocation Index	0.9	64	1.3	66		
Policy Index	1.0	50	1.5	40		
InvestorForce Public DB \$50mm-\$250mm Net Median	1.0		1.4	-		

- Pension Composite
- Allocation Index
- Universe Median
- 68% Confidence Interval
- InvestorForce Public DB \$50mm-\$250mm Net

^{*}Returns are net of fees.



TOTAL PLAN RISK/RETURN - 10 YEAR



10 Years Ending March 31, 2018						
	Anlzd Ret	Rank	Anlzd Std Dev	Rank		
Pension Composite	4.3%	99	9.2%	56		
Allocation Index	5.0%	94	8.6%	45		
Policy Index	5.6%	76	8.2%	42		
InvestorForce Public DB \$50mm-\$250mm Net Median	6.1%	-	9.0%			

10 Years Ending March 31, 2018						
	Sharpe Ratio	Rank	Sortino Ratio RF	Rank		
Pension Composite	0.4	95	0.5	95		
Allocation Index	0.5	80	0.6	81		
Policy Index	0.7	55	0.8	57		
InvestorForce Public DB \$50mm-\$250mm Net Median	0.7		0.8			

- Pension Composite
- · Allocation Index
- Universe Median
- 68% Confidence Interval
- InvestorForce Public DB \$50mm-\$250mm Net

^{*}Returns are net of fees.

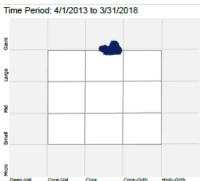


MANAGER ANALYSIS

NEPC, LLC —

VANGUARD INSTITUTIONAL INDEX I

Holdings Based Style Trail (5 Years)



Portfolio Statistics

	Fund	Index
# of Holdings	512	505
% Asset in Top 10 Holdings	20.6	20.3
Tumover Ratio %	5.0	
P/E Ratio	21.8	20.8
P/B Ratio	3.2	3.1
LT Earn Growth	11.8	12.2
Hist Earn Growth	7.1	9.3
12 Mo Yield	1.8	

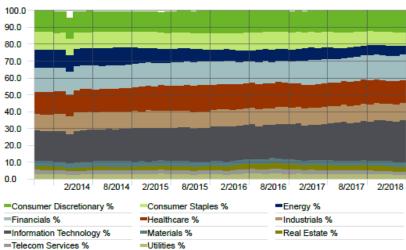
Market Capitalization Breakdown Top

ex		Fund	Index
)5	Market Cap Giant %	56.9	57.0
.3	Market Cap Large %	34.4	34.4
	Market Cap Mid %	8.6	8.6
.8	Market Cap Small %	0.0	0.0
.1	Market Cap Micro %	0.0	0.0
.2	Average Market Cap (mil)	100,151.0	100,164.1

Top 10 Holdings

rop to moralingo		
	Portf Weight %	3 Month Ret %
Apple Inc	3.94	-0.48
Microsoft Corp	3.11	7.19
Amazon.com Inc	2.60	23.76
Facebook Inc A	1.83	-9.45
JPMorgan Chase & Co	1.72	3.36
Berkshire Hathaway Inc B	1.64	0.64
Johnson & Johnson	1.50	-7.68
Alphabet Inc C	1.44	-1.40
Alphabet Inc A	1.42	-1.54
Exxon Mobil Corp	1.38	-9.88

Historical Sector Allocations (5 Years)



Attribution (Quarter)

	Portfolio Weights	Benchmark Weights	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Active Return
Consumer Discretionary	12.46	12.50	3.13	3.13	0.00	0.00	0.00
Consumer Staples	7.85	7.87	-7.12	-7.12	0.00	0.00	0.00
Energy	5.83	5.85	-5.89	-5.89	0.00	0.00	0.00
Financials	14.86	14.90	-0.97	-0.97	0.00	0.00	0.00
Health Care	13.77	13.80	-1.25	-1.27	0.00	0.00	0.00
Industrials	10.22	10.25	-1.55	-1.55	0.00	0.00	0.00
Information Technology	24.30	24.38	3.54	3.54	0.00	0.00	0.00
Materials	2.94	2.95	-5.51	-5.51	0.00	0.00	0.00
Real Estate	2.72	2.73	-5.01	-5.01	0.00	0.00	0.00
Telecommunication Services	1.96	1.96	-7.49	-7.49	0.00	0.00	0.00
Utilities	2.76	2.77	-3.30	-3.30	0.00	0.00	0.00
Attribution Total	99.67	99.96	-0.76	-0.76	0.00	0.00	0.00
Cash	0.31	0.00					
Bond	0.02	0.00					
Total	100.00	100.00					



Source: Morningstar

March 31, 2018

Vanguard Institutional Index I → S&P 500 TR USD

VANGUARD INSTITUTIONAL INDEX I

Risk & Return Characteristics (5 Years) Risk & Return Illustration (5 Years) Time Period: 4/1/2013 to 3/31/2018 Time Period: 4/1/2013 to 3/31/2018 Fund Index 15.0 Vanguard Institutional Index I R2 100.0 100.0 12.0 ▲ S&P 500 TR USD Alpha 0.0 0.0 Beta 1.0 1.0 9.0 Std Dev 7.0 7.0 6.0 99.8 100.0 Up Capture Ratio 3.0 100.0 Down Capture Ratio 100.2 1.8 € 0.0 Sharpe Ratio (geo) 1.8 Information Ratio (geo) -3.0 2.0 4.0 6.0 8.0 Tracking Error 0.0 0.0 Std Dev Correlation 1.0 1.0 Rolling Risk (3 Years) Rolling Return (3 Years) Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile 30.0 35.0 30.0 22.5 25.0 15.0 20.0 7.5 15.0 0.0 10.0 5.0 Sd Dev 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 2012 2014 2017 2014 2017 2013 2015 2016 2012 2013 2015 2016 -Vanguard Institutional Index I -Vanguard Institutional Index I -S&P 500 TR USD —S&P 500 TR USD Calendar Year Returns 2008 Rank 2009 Rank 2010 Rank 2011 Rank 2012 Rank 2013 Rank 2014 Rank 2015 Rank 2016 Rank 2017 Rank Vanguard Institutional Index I -37.0 37 26.6 52 15.0 29 16.0 35 32.3 13.7 18 27 21.8 29 2.1 1.4 20 11.9



S&P 500 TR USD

Source: Morningstar

-37.0

26.5

15.1

2.1

21.8

16.0

32.4

13.7

1.4

12.0

SSgA R2000 NON LENDING

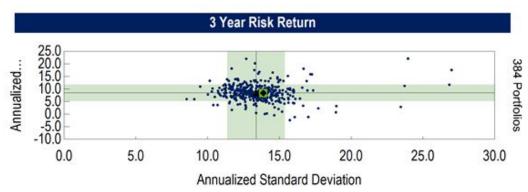




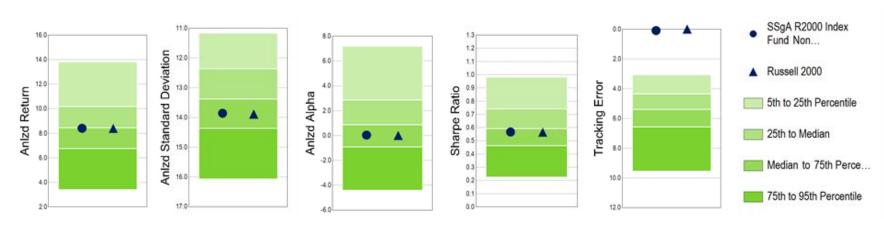
*Returns are net of fees.



SSgA R2000 NON LENDING



- SSgA R2000 Index Fund Non Lending
- Russell 2000
- Universe Median
- 68% Confidence Interval
- · eV US Small Cap Equity Net



*Returns are net of fees.



SSgA R2000 NON LENDING

Characteristics	;	
	Portfolio	Russell 2000
Number of Holdings	1,963	1,983
Weighted Avg. Market Cap. (\$B)	2.5	2.5
Median Market Cap. (\$B)	0.9	0.8
Price To Earnings	17.2	16.8
Price To Book	3.7	3.1
Price To Sales	3.7	3.2
Return on Equity (%)	3.8	8.3
Yield (%)	1.3	1.1
Beta		1.0
R-Squared		1.0

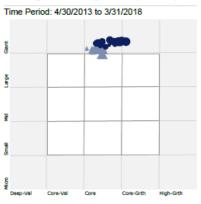
			Equit	y Sector Attribution	ı			
			Attribution Effects		F	eturns	Ending S	ector Weights
	Total Effects	Selection Effect	Allocation Effect	Interaction Effects	Portfolio	Benchmark	Portfolio	Benchmark
Energy	0.0%	0.0%	0.0%	0.0%	-10.3%	-10.5%	3.6%	3.5%
Materials	0.0%	0.0%	0.0%	0.0%	-2.8%	-3.0%	4.3%	4.3%
Industrials	0.0%	0.0%	0.0%	0.0%	-2.7%	-2.5%	15.2%	15.3%
Consumer Discretionary	0.0%	0.0%	0.0%	0.0%	-2.7%	-2.7%	12.1%	12.1%
Consumer Staples	0.0%	0.0%	0.0%	0.0%	-5.8%	-5.9%	2.3%	2.3%
Health Care	0.0%	0.0%	0.0%	0.0%	6.1%	6.2%	16.3%	16.6%
Financials	0.0%	0.0%	0.0%	0.0%	0.9%	0.8%	17.9%	18.0%
Information Technology	0.0%	0.0%	0.0%	0.0%	6.7%	6.7%	17.4%	17.6%
Telecommunication Services	0.0%	0.0%	0.0%	0.0%	-4.9%	-5.2%	0.6%	0.6%
Utilities	0.0%	0.0%	0.0%	0.0%	-6.4%	-6.4%	3.2%	3.3%
Real Estate	0.0%	0.0%	0.0%	0.0%	-8.0%	-8.1%	6.3%	6.3%
Cash	0.0%	-					0.7%	0.0%
Unclassified	0.0%	-	-		-	-	0.0%	0.0%
Portfolio	0.0%	= 0.0%	+ 0.0%	+ 0.0%	0.0%	0.0%	100.0%	100.0%

^{*}Attribution on manager pages is holdings based, using buy-and-hold assumptions from the beginning of period portfolio. Results may differ from actual performance. Returns are net of fees.



MORGAN STANLEY INTERNATIONAL EQUITY I

Holdings Based Style Trail (5 Years)



Portfolio Statistics

	Fund	Index
# of Holdings	68	927
% Asset in Top 10 Holdings	37.2	10.9
Turnover Ratio %	18.0	
P/E Ratio	20.6	14.9
P/B Ratio	2.8	1.6
LT Earn Growth	10.7	9.7
Hist Earn Growth	-1.9	9.3
12 Mo Yield	1.9	

Market Capitalization Breakdown

•		
	Fund	Index
Market Cap Giant %	74.0	58.4
Market Cap Large %	20.0	34.9
Market Cap Mid %	5.9	6.7
Market Cap Small %	0.0	0.0
Market Cap Micro %	0.0	0.0
Average Market Cap	56,064.6	37,645.7
Equity Region Developed %	96.3	99.4
Equity Region Emerging %	3.7	0.6

Top Ten Holdings

х 4		Port Weight %	3 Month Return
9	British American Tobacco PLC	4.79	-13.62
7	Unilever NV DR	4.31	0.84
0	Reckitt Benckiser Group PLC	4.13	-9.56
0	L'Oreal SA	3.94	1.53
7	Pernod Ricard SA	3.82	4.98
4	GlaxoSmithKline PLC	3.59	11.11
6	Shiseido Co Ltd	3.34	32.51
	Novartis AG	3.33	-1.13
	SAP SE	3.00	-6.87
	Tencent Holdings Ltd	2.99	0.49

+Morgan Stanley Inst International Eq.I AMSCI EAFE NR USD

Sector Attribution (Quarter)

	Portfolio Weights	Benchmark Weights	Portfolio Return			Selection Active Effect Return
Consumer Discretionary	4.37	12.43	0.99	0.75	-0.17	0.01 -0.10
Consumer Staples	30.92	10.91	1.04	-2.92	-0.30	1.28 0.97
Energy	2.92	5.26	7.74	-1.81	0.02	0.28 0.29
Financials	13.52	21.48	-2.03	-2.02	0.04	-0.01 0.03
Health Care	14.43	10.03	-1.44	-0.54	0.04	-0.13 -0.09
Industrials	14.81	14.69	-2.49	-1.32	0.00	-0.18 -0.18
Information Technology	9.46	6.48	-1.40	1.15	0.09	-0.26 -0.17
Materials	4.68	8.23	-11.93	-3.60	0.08	-0.44 -0.36
Real Estate	0.47	3.51	-2.14	-1.83	0.01	0.00 0.0
Telecommunication Services	1.43	3.85	-13.17	-3.85	0.06	-0.15 -0.09
Utilities	0.00	3.11		1.49	-0.09	0.00 -0.09
Attribution Total	97.01	99.97	-1.23	-1.40	-0.22	0.39 0.18
Cash	2.22	0.00				
Other	0.77	0.00				
Missing Performance	0.00	0.03				
Total	100.00	100.00				

Region Attribution (Quarter)

	Portfolio Weights	Benchmark Weights	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Active Return
Asia - Developed	3.92	4.78	-1.02	-0.27	-0.01	-0.03	-0.04
Asia - Emerging	3.79	0.46	3.59	-3.21	-0.04	0.23	0.19
Australasia	0.00	6.92		-5.67	0.29	0.00	0.29
Canada	2.15	0.00	-13.23		-0.29	0.00	-0.29
Europe - ex Euro	8.00	13.14	-3.17	-2.79	0.07	-0.03	0.04
Eurozone	33.76	31.72	-1.31	-0.43	0.04	-0.31	-0.27
Japan	19.29	24.25	6.21	0.95	-0.11	1.02	0.91
Middle East	0.00	0.46		-5.34	0.02	0.00	0.02
United Kingdom	24.37	17.26	-5.99	-3.79	-0.21	-0.57	-0.78
United States	1.74	0.98	4.17	-0.86	0.00	0.09	0.09
Attribution Total	97.01	99.97	-1.23	-1.40	-0.22	0.40	0.18
Cash	2.22	0.00					
Other	0.77	0.00					
Missing Performance	0.00	0.03					
Total	100.00	100.00					



Source: Morningstar

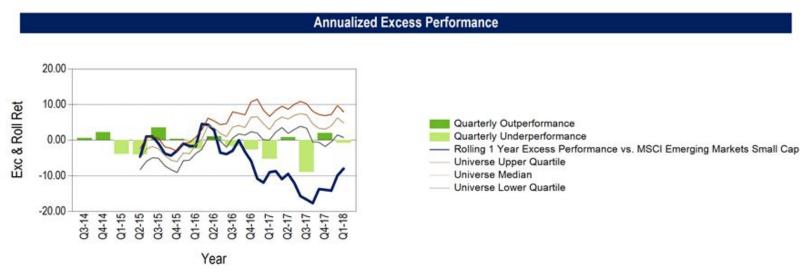
MORGAN STANLEY INTERNATIONAL EQUITY I

Risk & Return Characteristics (5 Years) Risk & Return Illustration (5 Years) Time Period: 4/1/2013 to 3/31/2018 Time Period: 4/1/2013 to 3/31/2018 Fund Index Morgan Stanley Inst International Eq I R2 90.6 100.0 A MSCI EAFE NR USD Alpha -0.3 0.0 6.0 Beta 0.9 1.0 Std Dev 9.5 10.4 4.0 Up Capture Ratio 88.0 100.0 Down Capture Ratio 94.7 100.0 2.0 Sharpe Ratio (geo) 0.5 0.6 ₹ 0.0 Information Ratio (geo) -0.3 0.0 2.0 4.0 6.0 8.0 10.0 12.0 0.0 Tracking Error 3.2 Correlation 1.0 1.0 Std Dev Rolling Returns (3 Years) Rolling Risk (3 Years) Top Quartile 2nd Quartile 3rd Quartile Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile Bottom Quartile 30.0 20.0 30.0 22.5 10.0 0.0 15.0 -10.0 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 2012 2013 2014 2015 2016 2017 2012 2013 2014 2015 2016 2017 -Morgan Stanley Inst International Eq I -MSCI EAFE NR USD -Morgan Stanley Inst International Eq I -MSCI EAFE NR USD Calendar Year Returns 2008 2009 2011 Rank 2013 2014 2017 Rank Rank Rank 2010 2012 Rank Rank 2015 Rank 2016 Morgan Stanley Inst International Eq I -33.121.6 6.1 -7.6 19.6 20.4 43 -6.1 0.4 30 -2.0 25.2 53 MSCI EAFE NR USD -43.4 31.8 7.8 -12.117.3 22.8 -4.9 -0.8 1.0 25.0



Source: Morningstar

MONDRIAN EM SMALL CAP

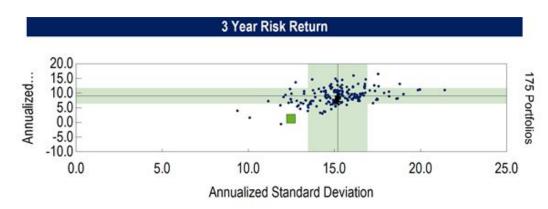




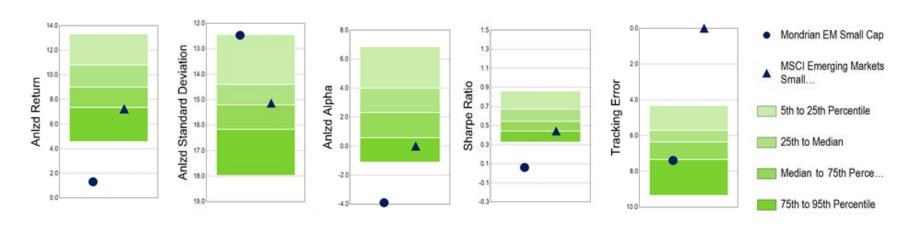
*Returns are net of fees.



MONDRIAN EM SMALL CAP



- Mondrian EM Small Cap
- · MSCI Emerging Markets Small Cap
- Universe Median
- 68% Confidence Interval
- eV Emg Mkts Equity Net





MONDRIAN EM SMALL CAP

Sector Allocation

	Fund	MSCI EM SC
Consumer Discretionary	15.3	16.7
Consumer Staples	16.0	6.9
Energy	1.8	2.2
Financials	2.1	8.8
Health Care	22.1	9.5
Industrials	14.7	14.1
Information Technology	6.2	16.5
Materials	8.8	11.7
Real Estate	8.1	8.9
Telecommunication Services	-	0.9
Utilities	3.5	3.8
Cash	1.4	4
TOTAL	100.0	100.0

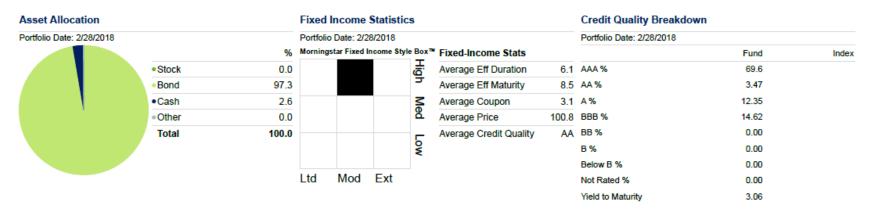
Country Allocation

	Fund	MSCI EM SC
Latin America	10.9	10.1
Brazil Mexico Peru	3.1 5.6 2.2	5.6 2.8 0.2
Europe, Middle East & Africa	7.9	10.9
Kuwait Poland Saudi Arabia South Africa	1.2 2.8 1.7 2.2	0.9
Pacific-Asia	79.8	79.0
North Asia China/Hong Kong South Korea Taiwan	32.3 17.9 6.6 7.8	54.8 20.2 17.0 17.6
South Asia	47.5	23.4
India Indonesia Malaysia Philippines Thailand	25.4 7.9 6.5 4.3 3.4	13.3 2.3 3.3 0.9 3.6
Cash	1.4	-
TOTAL	100.0	100.0



Source: Mondrian

VANGUARD TOTAL BOND MARKET I



Historical Sector Allocations (10 Years)

100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0.0 2010 2011 2012 2013 2014 2015 2016 2017 =Government % -Municipal % -Corporate % =Securitized % -Cash & Equivalents % -Derivative %

Top Holdings

	Detail Holding Type	Portfolio Weighting %
	United States Treasury Notes 2.125% SNR PIDI NTS 15/05/2025 USD (C-2025) BOND - GOVT/TREASURY	0.47
T	United States Treasury Notes 2.825% SNR PIDI NTS 15/11/2020 USD (F-2020) BOND - GOVT/TREASURY	0.43
	United States Treasury Notes 2.125% SNR PIDI NTS 31/12/2022 USD (T-2022) BOND - GOV'T/TREASURY	0.42
	United States Treasury Notes 1.375% PIDI NTS 15/02/2020 USD (AJ-2020) BOND - GOV'T/TREASURY	0.42
4	United States Treasury Notes 1.75% SNR PIDI NTS 15/05/2023 USD (C-2023) BOND - GOV'T/TREASURY	0.41
†	United States Treasury Notes 1.625% PIDI NTS 15/03/2020 USD (AK-2020) BOND - GOV'T/TREASURY	0.39
1	United States Treasury Notes 3.625% SNR PIDI NTS 15/08/2019 USD BOND - GOVT/TREASURY	0.39
ı	United States Treasury Notes 2.25% PIDI NTS 15/11/2027 USD (F-2027) BOND - GOV'T/TREASURY	0.39
1	United States Treasury Notes 1.75% SNR PIDI NTS 28/02/2022 USD (H-2022) BOND - GOVT/TREASURY	0.38
	United States Treasury Notes 1.5% SNR PIDI NTS 31/10/2019 USD (AE-2019) BOND - GOV'T/TREASURY	0.37



Source: Morningstar

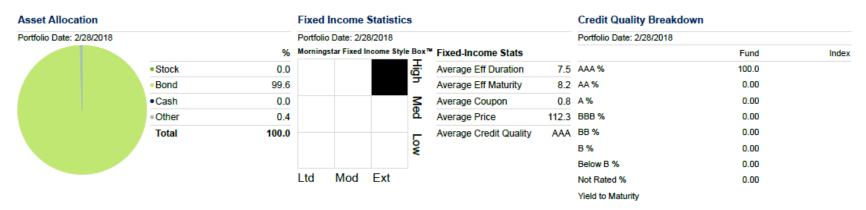
Detail

VANGUARD TOTAL BOND MARKET I

Risk & Return Characteristics (5 Years) Risk & Return Illustration (5 Years) Time Period: 4/1/2013 to 3/31/2018 Time Period: 4/1/2013 to 3/31/2018 Fund Index Vanguard Total Bond Market Index I 2.1 R2 99.9 100.0 1.8 A BBgBarc US Agg Bond TR USD Alpha -0.1 0.0 1.5 Beta 1.0 1.0 1.2 Std Dev 3.3 3.2 0.9 Up Capture Ratio 100.6 100.0 0.6 Down Capture Ratio 105.3 100.0 0.3 0.0 E 0.0 Sharpe Ratio (geo) 0.4 0.5 Information Ratio (geo) -0.5 1.0 2.0 3.0 4.0 0.0 Tracking Error 0.2 0.0 Std Dev Correlation 1.0 1.0 Rolling Returns (3 Years) Rolling Risk (3 Years) Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile 20.0 12.0 10.0 15.0 8.0 10.0 6.0 5.0 0.0 2.0 0.0 Std Dev -5.0 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 2012 2013 2014 2015 2016 2017 2012 2013 2014 2015 2016 2017 -Vanguard Total Bond Market Index I -BBgBarc US Agg Bond TR USD -Vanguard Total Bond Market Index I -BBgBarc US Agg Bond TR USD Calendar Year Returns 2008 Rank 2009 Rank 2010 Rank 2011 Rank 2012 Rank 2013 Rank 2014 Rank 2015 Rank 2016 2017 Rank Rank Vanguard Total Bond Market Index I 5.2 6.1 89 6.6 7.7 11 4.2 -2.1 5.9 0.4 28 2.6 3.6 55 BBgBarc US Agg Bond TR USD 5.2 5.9 6.5 7.8 4.2 -2.0 6.0 0.5 2.6 3.5



VANGUARD INFLATION PROTECTED SECURITIES



Historical Sector Allocations (10 Years)

100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0.0 2009 2010 2011 2012 2013 2014 2015 2016 2017 =Government % -Municipal % Corporate % -Cash & Equivalents % =Securitized % -Derivative %

Top Holdings

Detail Holding Type	Portfolio Weighting %
ON PROTECTED	5.38
ON PROTECTED	4.70
ON PROTECTED	4.10
ON PROTECTED	3.80
ON PROTECTED	3.79
ON PROTECTED	3.78
ON PROTECTED	3.73
ON PROTECTED	3.71
ON PROTECTED	3.69
ON PROTECTED	3.65
	ION PROTECTED ION PROTECTED



VANGUARD INFLATION PROTECTED SECURITIES

Risk & Return Characteristics (5 Years) Risk & Return Illustration (5 Years) Time Period: 4/1/2013 to 3/31/2018 Time Period: 4/1/2013 to 3/31/2018 Fund Index 0.3 Vanguard Inflation-Protected Secs I R2 99.6 100.0 A BBgBarc US Treasury US TIPS TR USD Alpha -0.1 0.0 0.2 Beta 1.0 1.0 0.1 Std Dev 5.1 4.9 Up Capture Ratio 101.9 100.0 0.0 Down Capture Ratio 104.2 100.0 Sharpe Ratio (geo) -0.1 -0.1 ⊆ -0.1 Information Ratio (geo) -0.2 1.0 2.0 3.0 4.0 5.0 6.0 æ 0.0 Tracking Error 0.4 Std Dev Correlation 1.0 1.0 Rolling Returns (3 Years) Rolling Risk (3 Years) Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile 10.0 12.5 10.0 8.0 7.5 6.0 5.0 2.5 4.0 0.0 2.0 -2.5 0.0 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 gg 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 2013 2014 2016 2014 2015 2017 2012 2015 2017 2012 2013 2016 -Vanguard Inflation-Protected Secs I -BBgBarc US Treasury US TIPS TR USD -Vanguard Inflation-Protected Secs I -BBgBarc US Treasury US TIPS TR USD Calendar Year Returns 2008 2015 Rank 2009 2010 2011 2012 Rank 2013 Rank 2014 Rank 2016 2017 Vanguard Inflation-Protected Secs I -2.8 -8.8 34 56 11.0 29 6.3 28 13.4 6 6.9 24 52 4.1 5 -1.7 31 4.6 39 3.0 BBgBarc US Treasury US TIPS TR USD 11.4 6.3 -8.6 3.6 4.7 -2.413.6 7.0 -1.43.0

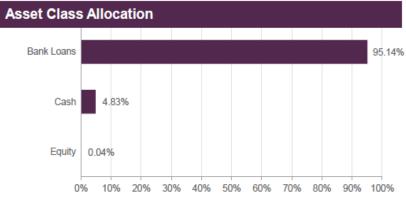


GUGGENHEIM US BANK LOANS

Characteristics						
	US Bank Loans Composite	Credit Suisse Leveraged Loan Index				
Effective Duration	0.15 years	0.14 years				
Average Coupon	5.06%	5.45%				
Average Market Price	\$99.35	\$99.00				
Average YTM	5.84%	6.51%				
Average YTW	2.90%	3.22%				
Average OAS	272	332				
Average Credit Quality ²	B+	В				
WAL to Worst	1.05 years	1.15 years				
No. of Issuers	236	1247				

Performance & Risk Analysis (Since Inception)							
	US Bank Loans Composite (Gross)	Credit Suisse Leveraged Loan Index					
Annualized Return	6.93%	5.15%					
Excess Return	1.77%	-					
Standard Deviation	4.94%	6.23%					
Correlation	0.97	1					
Information Ratio	0.94	-					
Sharpe Ratio	1.17	0.65					

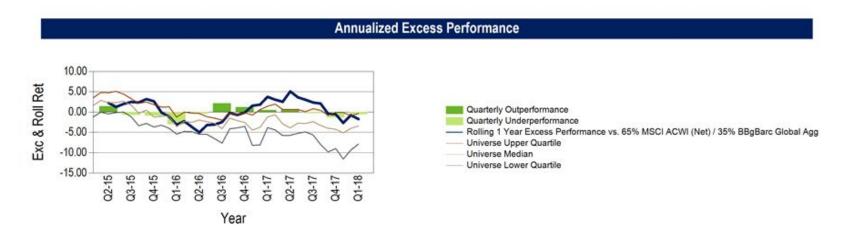
Industry Allocation										
	Guggenheim	Index	0%	5%	10%	15%	20%			
Banking	0.00%	0.01%								
Basic Industry	3.80%	5.03%								
Brokerage	0.78%	1.03%	- 5							
Capital Goods	10.74%	9.47%								
Communications	8.43%	13.40%			_	-				
Consumer Cyclical	20.58%	19.51%					_			
Consumer Non Cyclical	22.86%	17.45%								
Electric	2.77%	2.82%								
Energy	0.73%	2.87%								
Finance Companies	2.18%	2.58%	_							
Insurance	1.80%	2.44%								
Other Financials	0.61%	1.65%	100							
Other Industry	1.29%	3.20%								
Technology	17.75%	15.54%				_				
Transportation	0.81%	1.76%	100							
Cash	4.83%	0.00%								
Other ³	0.03%	1.24%								





Source: Guggenheim

WELLINGTON OPPORTUNISTIC

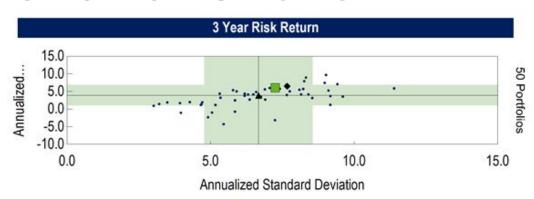




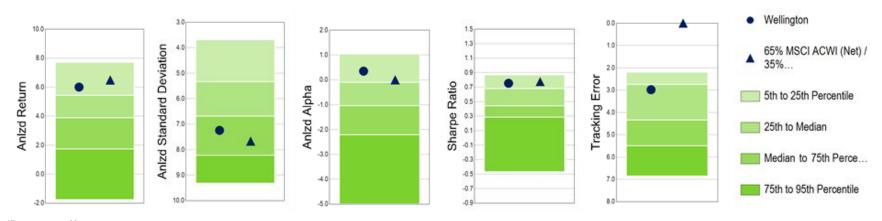
*Returns are net of fees.



WELLINGTON OPPORTUNISTIC



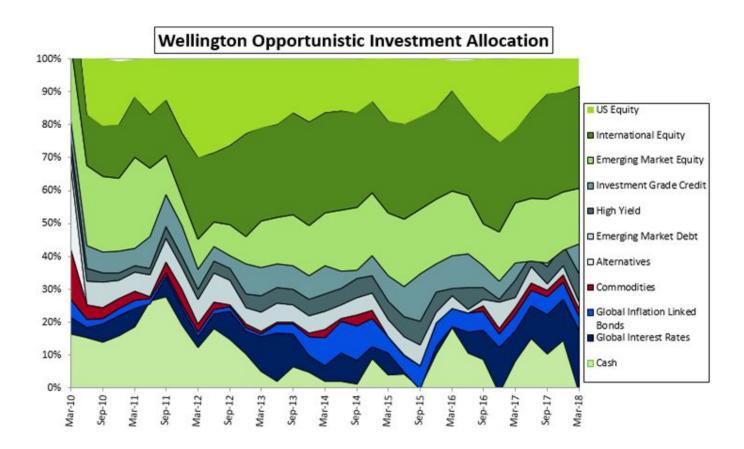
- Wellington
- . 65% MSCI ACWI (Net) / 35% BBgBarc Global Agg
- Universe Median
- 68% Confidence Interval
- eV Global TAA Net



*Returns are net of fees.



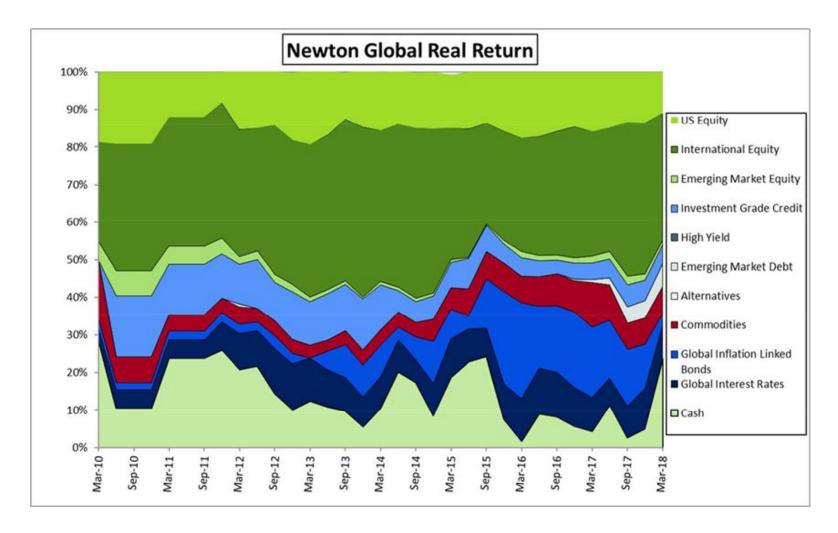
WELLINGTON OPPORTUNISTIC





Source: Wellington

NEWTON GLOBAL REAL RETURN





Source: Newton

ENTRUSTPERMAL FIXED INCOME HOLDINGS

	erforma	ance												Performance Analysis			
2018	Jan 04	Feb -1.5	Mar -1.6	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year -2.7		EnTrustPermal Fixed Income Holdings N.V.	SBP 500	Barclays Aggregate B Index
017	-0.4	1.3	-1.3	0.9	0.1	0.3	0.7	0.1	1.1	-0.6	-0.5	1.6	3.4				
016	-3.0	-1.1	1.5	1.5	0.9	-0.3	2.0	0.5	-0.7	0.5	1.5	1.2	45	Since Inception Return	6.4	9.6	4.1
015	0.1	1.5	0.5	-0.2	0.5	-1.4	0.3	-2.0	-1.8	0.7	-0.4	-1.9	4.0	1 Yr Return	1.0	14.0	1.2
014	-0.6	2.3	0.0	0.2	0.9	1.2	-0.9	0.5	-0.8	-2.0	1.3	-0.4	1.5	3 Yr Return	-0.4	10.8	1.2
1013	2.6	0.4	1.7	1.2	1.6	-1.9	1.4	-0.8	1.5	1.5	1.4	1.3	12.4	5 Yr Return	1.9	13.3	1.8
012	2.3	2.1	0.2	-0.1	-1.0	0.2	1.2	0.9	1.5	0.8	0.2	1.8	10.3	7 Yr Return	2.4	12.7	2.9
011	1.4	1.4	0.1	1.2	-0.2	-1.4	0.3	-3.0	4.0	1.9	-0.8	-1.0	-4.2	10 Yr Return	3.9	9.5	3.6
010	1.2	0.7	2.4	2.1	-2.3	-0.7	1.0	0.4	1.9	2.1	0.1	2.3	11.7	Best Month	5.5	10.9	3.7
009	1.1	-0.8	0.5	2.8	5.5	2.9	3.3	2.9	2.9	1.2	1.4	2.0	28.7	Worst Month	-7A	-16.8	-3.4
2008	-0.7	0.2	-1.0	0.5	0.8	0.3	-1.8	-1.2	4.0	-7.4	-2.8	-2.0	-17.5	Percent Profitable Periods	71.4	68.1	65.9
1007	1.5	1.4	0.6	1.5	1.0	0.4	0.7	-1.9	1.8	22	0.1	0.0	9.6	Product Inception Date	12/31/1996		01/01
1006	2.3	0.6	1.0	1.9	-0.8	-0.2	0.7	0.7	0.3	1.5	1.4	1.6	11.6				
	Out	tperform	BH in U	Market	3			Out	perform	BM in D	own Mar	kets			Distribution of Return	ns	
100			100				1	00		10	0			75			
80			80					10			0						
60			60					60		6	0			90			
40			40														
40			-90					~		- 4							
								27						2			
20			20	н	Н			20		2	0	Н		3			
			20					20								I	
20	ВМ	11		87	12				BM1		0	BM2				20,05050	1030300
	ВМ	11		Br	42				BM1			BM2			+ 3+ 3+ 3+ 3+ 3+ 3+ 3+ 3+ 3+ 3+ 3+ 3+ 3+	2,0,0,0	100000
	BM				42				2015	7 8						24,43,45,4	10000000
	ВМ		0		42				2015	7 8					2 S	114	10000000000000000000000000000000000000
0	ВМ		0	ofile			20		2015	7 8				Risk Analysis			
	BM		0	ofile	42				2015	7 8				Risk Analysis Since Inception Stundard Deviation	52	13.4	14
0	ВМ		0	ofile			20		2015	7 8				Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation	52 42	13.4	34 27
0	BM		0	ofile					2015	7 8				Risk Amalysis Since Interestin Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation	52 42 42	13.4 10.3 9.9	3.4 2.7 2.9
10	ВМ		0	ofile			20		2015	7 8				Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation	52 42 42 46 59	13.4 10.3 9.9 11.0 15.0	3.4 2.7 2.9 2.8 3.3
30	ВМ		0	ofile			20		2015	7 8				Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio	52 42 42 46 59	13.4 10.3 9.9 11.0 15.0 0.6	3.4 2.7 2.9 2.8 3.3 0.8
10	BM		0	ofile			20		2015	7 8				Risk Amalysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio	52 42 42 46 59 10	13.4 10.3 9.9 11.0 15.0 0.6 0.9	14 27 29 28 33 08
30	BM		0	ofile			20		2015	7 8				Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Loss Deviation Loss Deviation	52 42 42 46 59 10 15 35	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0	34 27 29 28 33 08 14 21
30	ВМ		0	ofile			20 0 -20		2015	7 8				Risk Amalysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortine Ratio Loss Deviation Max Drawdown	52 42 42 46 59 10 15 35	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 9.0	14 27 29 28 13 08 14 21
10 8	BM		0	ofile			20		2015	7 8				Risk Amalysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Rusio Sortino Rutio Loss Deviation Max Drawdown Length	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 90.9	14 27 29 28 33 08 14 21 38
30 8	BM		0	ofile			20 -20 -40		2015	7 8				Risk Amalysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortine Ratio Loss Deviation Max Drawdown	52 42 42 46 59 10 15 35	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 9.0	34 27 29 28 33 08 14 21 38
10 8 6 4	BM		0	ofile			20 0 -20 -40	O O O O O O O O O O O O O O O O O O O	Und	erwater V	Drawdo	wn		Risk Amalysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown Length Max Drawdown Recovery Length	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 90.9	14 27 29 28 13 08 14 21 18
30 8		Risk/R	0 Leturn Pri	ofile			20 0 -20 -40	O O O O O O O O O O O O O O O O O O O	Und	erwater V	Drawdo		- 10	Risk Amalysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Rusio Sortino Rutio Loss Deviation Max Drawdown Length	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 90.9	14 27 29 28 13 08 14 21 18
30 8 6 4		Risk/R	0 teturn Pr	ofile			20 0 -20 -40	S John John	Und	erwater	Drawdo	wo	100	Risk Amalysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown Length Max Drawdown Recovery Length	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 90.9	14 27 29 28 13 08 14 21 18
30 8 6 4	,	Risk/R	0 Leturn Pro	ofile			20 0 -20 -40	S John John	Und	erwater	Drawdo	wo	120	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown Length Max Drawdown Recovery Length Comparison to Benchmarks	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 50.9 16 37	14 27 29 28 13 08 14 21 18 7
30 8 6 4 2	♦ EnTrus	Risk/R \$ Sound	0 Leturn Pri	ofile			20 0 -20 -40	S John John	Und	erwater	Drawdo	wo		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 3 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown Max Drawdown Length Max Drawdown Recovery Length Comparison to Benchmarks Annualized Alpha	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.5 0.9 9.0 9.0 9.0 3.7	14 27 29 28 13 08 14 21 18 7 2
30 8 6 4	€ EnTrue	Risk/R \$ Sound	0 Leturn Pro I and Deviation Hold	ofile			20 0 -20 -40	S John John	Und	erwater	Drawdo	wo		Risk Amalysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Loss Deviation Max Drawdown Length Max Drawdown Recovery Length Comparison to Benchmarks Annualized Alpha Beta	52 42 42 46 59 10 15 35 177 6	13.4 10.3 9.9 11.0 15.0 0.6 0.9 9.0 90.9 16 37	14 27 29 28 13 08 14 21 38 7 2



ENTRUSTPERMAL FIXED INCOME HOLDINGS

General Fund Information									
Fund Name	EnTrustPermal Fixed Inco	EnTrustPermal Fixed Income Holdings							
Management Company	EnTrustPermal	EnTrustPermal							
Location	New York, NY	New York, NY							
Firm AUM	\$20.9 Billion	Strategy	Fund of Fund						
Strategy AUM	\$522.9 Million	Sub- Strategy	Multi-Strategy						
Portfolio Robert Kaplan, Clark Fenton, Javier Dyer FOF FOF									
	Ter	ms							

9						
Terms						
Share Class	-					
Minimum Investment	\$1 million					
Management Fee	0.95%					
Incentive Fee	None					
Hurdle Rate	None					
High Water Mark	None					
Subscription	Monthly					
Redemption	Monthly with 20 days					
Lock-Up	None					

Investment Strategy

Permal Fixed Income Holdings features a performance-oriented investment philosophy that employs a unique combination of fixed-income spread strategies, opportunistic bets on events, and nimble, liquid macro strategies. It is positioned as both a performance enhancer and a good diversifier to a core hedge fund allocation

Strategy Information							
Current Allocation							
Event Driven	42.3%						
Fixed Income – Hedge	33.3%						
Fixed Income - Developed Markets	26.2%						
Global Macro	1.9%						
Fixed Income - Emerging Markets	0.8%						
Cash and Other	-4.5%						

A	ttribution
Macro Managers	-0.02%
Fixed Income Hedge	-0.42 % -0.13%
Fixed Income Emerging Markets	-0.18% -0.18%
Fixed Income Developed Markets	1.28% 0.22%
Event Driven	-2.83% -1.35%
■Year to Date	■Month to Date



For more information please see NEPC's Investment Due Diligence Report and Operational Due Diligence Report

LIGHTHOUSE GLOBAL LONG/SHORT





LIGHTHOUSE GLOBAL LONG/SHORT

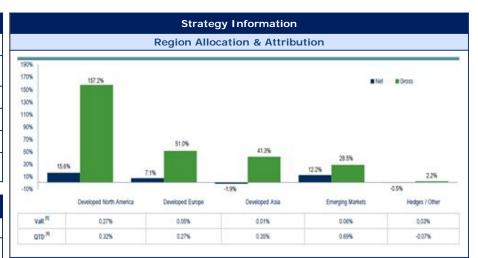
General Fund Information										
Fund Name	Lighthouse Global Long	Lighthouse Global Long/Short Fund								
Manageme nt Company	Lighthouse Investment	Lighthouse Investment Partners, LLC								
Location	Palm Beach, FL									
Firm AUM	\$10.6 billion	Strategy	Fund of Fund							
Strategy AUM	\$1.9 billion Sub- Strategy Long/Short Equity									
Portfolio Managers	Ethan Baron	Direct or FOF	FOF							

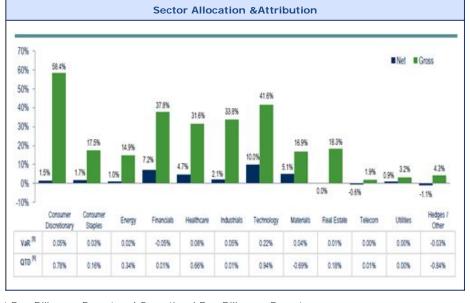
	Terms
Share Class	
Minimum Investment	\$1 million
Managemen t Fee	1.15%
Incentive Fee	
Hurdle Rate	None
High Water Mark	Yes
Subscription	Monthly
Redemption	Quarterly (60 days notice) or Monthly (90 days notice)
Lock-Up	None

Investment Strategy

Lighthouse's Global Long/Short Fund is a global portfolio of 20-30 separately managed accounts with industry sector and country specialist managers. The geographical allocations are similar to the MSCI World Index (30%-75% Americas, 10%-35% Europe, 5%-35% Asia).

The Fund targets returns greater than 10% over market cycles with 6%-8% volatility and an equity beta of 0.2–0.4 to the MSCI World Index.



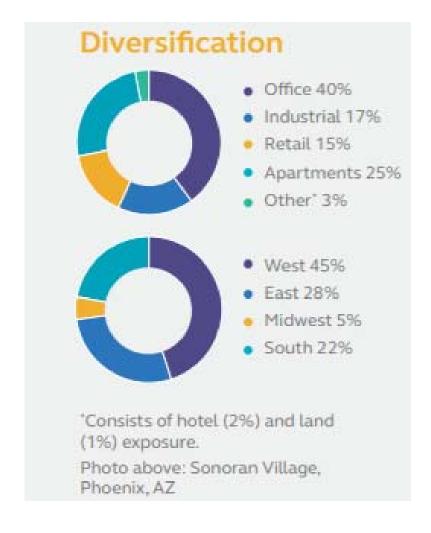




For more information please see NEPC's Investment Due Diligence Report and Operational Due Diligence Report

PRINCIPAL U.S. PROPERTY

1Q2018 key statistics Inception date January, 1982 Gross asset value \$10.13 billion Net asset value \$7.46 billion Number of investments 143 Number of markets 45 Core portfolio occupancy 93% Cash to gross assets 1.4% Leverage ratio" 23.5%





Source: Principal

APPENDIX

NEPC, LLC —

GLOSSARY OF TERMS

Alpha - Measures the relationship between the fund performance and the performance of another fund or benchmark index and equals the excess return while the other fund or benchmark index is zero.

Alpha Jensen - The average return on a portfolio over and above that predicted by the capital asset pricing model (CAPM), given the portfolio's beta and the average market return. Also known as the abnormal return or the risk adjusted excess return.

Annualized Excess Return over Benchmark - Annualized fund return minus the annualized benchmark return for the calculated return.

Annualized Return - A statistical technique whereby returns covering periods greater than one year are converted to cover a 12 month time span.

Beta - Measures the volatility or systematic risk and is equal to the change in the fund's performance in relation to the change in the assigned index's performance.

Information Ratio - A measure of the risk adjusted return of a financial security, asset, or portfolio.

Formula:

(Annualized Return of Portfolio - Annualized Return of Benchmark)/Annualized Standard Deviation(Period Portfolio Return - Period Benchmark Return). To annualize standard deviation, multiply the deviation by the square root of the number of periods per year where monthly returns per year equals 12 and quarterly returns is four periods per year.

R-Squared – Represents the percentage of a fund's movements that can be explained by movements in an index. R-Squared values range from 0 to 100. An R-Squared of 100 denotes that all movements of a fund are completely explained by movements in the index.

Sharpe Ratio - A measure of the excess return or risk premium per unit of risk in an investment asset or trading strategy.

Sortino Ratio - A method to differentiate between good and bad volatility in the Sharpe Ratio. The differentiation of up and down volatility allows the calculation to provide a risk adjusted measure of a security or fund's performance without upward price change penalties.

Formula:

Calculation Average (X-Y)/Downside Deviation (X-Y) * 2Where X=Return Series X Y = Return Series Y which is the risk free return (91 day T-bills) **Standard Deviation** - The standard deviation is a statistical term that describes the distribution of results. It is a commonly used measure of volatility of returns of a portfolio, asset class, or security. The higher the standard deviation the more volatile the returns are.

Formula:

(Annualized Return of Portfolio – Annualized Return of Risk Free) / Annualized Standard Deviation (Portfolio Returns)

Tracking Error - Tracking error, also known as residual risk, is a measure of the degree to which a portfolio tracks its benchmark. It is also a measure of consistency of excess returns. Tracking error is computed as the annualized standard deviation of the difference between a portfolio's return and that of its benchmark.

Formula:

Tracking Error = Standard Deviation $(X-Y) * \sqrt{(\# of periods per year)}$ Where X = periods portfolio return and <math>Y = the period's benchmark returnFor monthly returns, the periods per year = 12 For quarterly returns, the periods per year = 4

Treynor Ratio - A risk-adjusted measure of return based on systematic risk. Similar to the Sharpe ratio with the difference being the Treynor ratio uses beta as the measurement of volatility.

Formula:

(Portfolio Average Return - Average Return of Risk-Free Rate)/Portfolio Beta

Up/Down Capture Ratio - A measure of what percentage of a market's returns is "captured" by a portfolio. For example, if the market declines 10% over some period, and the manager declines only 9%, then his or her capture ratio is 90%. In down markets, it is advantageous for a manager to have as low a capture ratio as possible. For up markets, the higher the capture ratio the better. Looking at capture ratios can provide insight into how a manager achieves excess returns. A value manager might typically have a lower capture ratio in both up and down markets, achieving excess returns by protecting on the downside, whereas a growth manager might fall more than the overall market in down markets, but achieve above-market returns in a rising market.

UpsideCapture = TotalReturn(FundReturns)/TotalReturns(BMReturn) when Period Benchmark Return is > = 0

DownsideCapture = TotalReturn(FundReturns)/TotalReturns(BMReturn) when Benchmark < 0

Data Source: InvestorForce



INFORMATION DISCLAIMER AND REPORTING METHODOLOGY

Information Disclaimer

- Past performance is no guarantee of future results.
- All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to
 ensure profit or protect against losses.
- Some index returns displayed in this report or used in calculation of a policy, allocation or custom benchmark may not be available from the source or may be preliminary and subject to change.
- NEPC's source for portfolio pricing, calculation of accruals, and transaction information is the plan's custodial bank.
 Information on market indices and security characteristics is received from other sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
- This report is provided as a management aid for the client's internal use only. Performance contained in this report does not constitute a recommendation by NEPC.
- This report may contain confidential or proprietary information and may not be copied or redistributed to any party not legally entitled to receive it.

Reporting Methodology

- The client's custodian bank is NEPC's preferred data source unless otherwise directed. NEPC reconciles custodian data to manager data. If the custodian cannot provide accurate data, manager data may be used.
- Trailing time period returns are determined by geometrically linking the holding period returns, from the first full month
 after inception to the report date. Rates of Return are annualized when the time period is longer than a year.
 Performance is presented gross and/or net of manager fees as indicated on each page.
- For managers funded in the middle of a month, the "since inception" return will start with the first full month, although actual inception dates and cash flows are taken into account in all Composite calculations.
- This report may contain forward-looking statements that are based on NEPC's estimates, opinions and beliefs, but NEPC cannot guarantee that any plan will achieve its targeted return or meet other goals.





AGENDA ITEM SUMMARY

1. NAME OF ITEM: Performance Review – Operating Fund

2. INITIATED BY: Kelly Martin, Chair

3. BOARD INFORMATION: X BOARD ACTION:

4. OUTCOME:

Primary Outcomes:

Enhance fiscal positioning

BOARD POLICY:

Section 709 - Investments

5. BACKGROUND:

Enclosed for your information is the Operating Cash Fund performance report for the quarter that ended March 31, 2018.

Kelly Regan and Jay Roney of NEPC will provide a brief review at the June 14, 2018 Investment Committee meeting.

FIRST QUARTER 2018 INVESTMENT REVIEW



UNIVERSITY OF MAINE SYSTEM OPERATING FUND

June 14, 2018

Jay E. Roney, Partner Kelly Regan, Senior Consultant



BOSTON | ATLANTA | CHARLOTTE | CHICAGO | DETROIT | LAS VEGAS | PORTLAND | SAN FRANCISCO

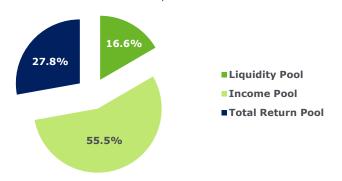
EXECUTIVE SUMMARY

NEPC, LLC —

EXECUTIVE SUMMARY

ASSET ALLOCATION

Plan Assets: \$296.0 Million



FUND PERFORMANCE: NET OF FEES											
QTR FYTD 3 YR 5 YR 10 YR (%) (%) (%) (%)											
COMPOSITE	0.0	2.1	2.0	1.9	2.5						
ALLOCATION INDEX	0.1	2.4	2.3	2.3							

PLAN COMMENTS

Asset Allocation

The Fund's assets as of March 31, 2018 were \$296.0 million. This represents a \$24.7 million increase from the previous quarter.

The Liquidity Pool (16.6% v 25.0%), Income Pool (55.5% v 50.0%) and Total Return Pool (27.8% v 25.0%) are all within allowable ranges. Throughout the year, asset allocation will change based on cash inflows and outflows. NEPC reviews this on a monthly basis.

Performance (Net of Fees)

The Fund returned 0.0% during the 1st quarter and 2.1% fiscalyear-to-date.

RECENT ACTIONS/RECOMMENDATIONS

Recent Actions

The System implemented a portfolio rebalance during May to bring asset allocation in-line with policy targets.

The System transferred from BlackRock Strategic Income Opportunities Portfolio Institutional Class (BSIIX) to Class K (BSIKX) in May, resulting in a lower expense ratio.

Recommendations

There are no recommendations at this time.

NEPC conducted an annual review of the Investment Policy Statement and no updates are recommended.

Investment Manager Updates

PIMCO and Lighthouse had announcements during the 1st quarter; NEPC recommends a "Watch" status for both firms.



March 31, 2018

DUE DILIGENCE MONITOR

The items below summarize the recent quarter's performance and any changes or announcements from your Plan managers/funds. A "-" indicates there were no material announcements. A "Yes" indicates there was an announcement and a summary is provided separately. NEPC's Due Diligence Committee meets every two weeks to review events as they relate to investment managers and determines if any action should be taken by NEPC and/or by our clients. They rate events: No Action, Watch, Hold, Client Review or Terminate. With respect to Performance, a "-" indicates the manager/fund performed in line with the majority of managers/funds in the category; only outliers (placement in the Top or Bottom Quartile) are highlighted. Your Consultant's Recommendation is refreshed quarterly in view of the recent quarter's developments (performance, manager events, and any of the longer-term trending data). NEPC considers ourselves to be a fiduciary, as ERISA defines the term in Section 3(21).

Fund	Manager Changes/ Announcements (Recent Quarter)	NEPC Due Diligence Committee Recommendations
PIMCO	Yes	Watch
Lighthouse	Yes	Watch

NEPC Due Diligence Committee Recommendation Key				
No Action	Informational items have surfaced; no action is recommended.			
Watch	Issues have surfaced to be concerned over; manager can participate in future searches, but current and prospective clients must be made aware of the issues.			
Hold	Serious issues have surfaced to be concerned over; manager cannot be in future searches unless a client specifically requests, but current and prospective clients must be made aware of the issues.			
Client Review	Very serious issues have surfaced with a manager; manager cannot be in future searches unless a client specifically requests. Current clients must be advised to review the manager.			
Terminate	We have lost all confidence in the product; manager would not be recommended for searches and clients would be discouraged from using. The manager cannot be in future searches unless a client specifically requests. Current clients must be advised to replace the manager.			



TOTAL PLAN PERFORMANCE DETAIL

	Market Value (\$)	% of Portfolio	Policy %	3 Mo (%)	Fiscal YTD (%)	1 Yr (%)	2 Yrs (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)
Operating Funds Composite	296,011,327	100.0	100.0	0.0	2.1	2.9	3.5	2.0	1.9	2.3	2.5
Allocation Index				0.1	2.4	3.4	3.4	2.3	2.3	2.4	
Liquidity Pool Composite	49,239,485	16.6	25.0	0.3	0.8	1.0	0.7	0.6	0.4	0.4	0.5
State Pool	33,152,670	11.2		0.3	0.9	1.1	0.9	0.7	0.5	0.4	0.6
BOA General Fund	2,606,813	0.9		0.0	0.0	0.1	0.0	0.0	0.0		
Federated Gov't Obligations	751,878	0.3		0.3	0.8	0.9					
JP Morgan US Gov't Money Market Fund	12,728,124	4.3		0.3	0.7	0.9			-		
Citi 3mth Treasury Bill				0.3	0.9	1.1	0.7	0.5	0.3	0.2	0.3
Income Pool Composite	164,413,020	55.5	50.0	-0.2	0.7	1.2	2.1	1.6	1.6	2.1	3.4
Income Research + Management	86,981,573	29.4	26.7	-0.3	-0.2	0.2	0.5	0.7	0.8		
BBgBarc US Govt/Credit 1-3 Yr. TR				-0.2	-0.1	0.2	0.5	0.7	0.8	1.0	1.6
BlackRock Strategic Income Opportunities	22,007,473	7.4	6.7	0.4	2.8	3.8	4.7		-		
3-Month Libor Total Return USD				0.5	1.2	1.5	1.2	0.9	0.7	0.6	0.7
Loomis Sayles Bank Loans	22,110,546	7.5	6.7	1.0	2.8	3.5	5.1	3.5	3.2	3.8	4.5
Loomis Bank Loans Custom Index				1.2	3.3	4.0	5.0	3.9	4.0	4.4	5.7
Vanguard Total Bond Market Instl' Fund	16,752,887	5.7	5.0	-1.5	-0.3	1.2	0.8	1.1	1.8	2.9	
BBgBarc US Aggregate TR				-1.5	-0.2	1.2	0.8	1.2	1.8	2.9	3.6
Vanguard Inflation-Protected Securities	16,560,541	5.6	5.0	-0.9	1.1	0.6					
BBgBarc US TIPS TR				-0.8	1.3	0.9	1.2	1.3	0.0	2.5	2.9
Total Return Pool Composite	82,358,822	27.8	25.0	0.0	6.0	8.2	9.3	4.8	4.5	4.8	4.9
Lighthouse	14,401,780	4.9	5.0	2.1	7.1	6.5	7.3				
Credit Suisse Long Shrt Eqt USD				1.0	7.4	10.7	7.3	4.0	6.3	4.9	4.5
Newton Global Real Return	21,788,142	7.4	6.3	-1.3	-0.7	0.9					
60% MSCI ACWI (Net)/ 40% BBgBarc Global Agg				0.0	7.8	11.7	9.9	6.2	6.2	5.7	4.6
PIMCO All Asset	21,604,678	7.3	6.3	0.3	6.8	8.8	11.0	5.7	3.6	4.7	5.3
Blended Index				-1.0	1.3	2.6	3.6	3.0	2.9	4.2	4.7
Vanguard Total World Stock Index	24,564,222	8.3	7.5	-0.5	10.6	15.4	15.7	8.6	9.7		
FTSE Global All Cap Index				-0.9	10.5	15.2	15.5	8.6	9.7	8.0	5.3

Returns are net of manager fees.

The inception date for the allocation index is 07/01/2009

Fiscal YTD begins 7/1

Blended Index: 40% BC Aggregate / 30% BC U.S. TIPS 1-10YR / 10% S&P 500 / 10% BC High Yield / 10% JPM EMBI+

Loomis Bank Loans Custom Index blends performance of "S&P/LSTA Leveraged Loan Index" before 9/1/2014 and "S&P/LSTA Leveraged BB Loan Index" after 9/1/2014. Composite excludes external loans.

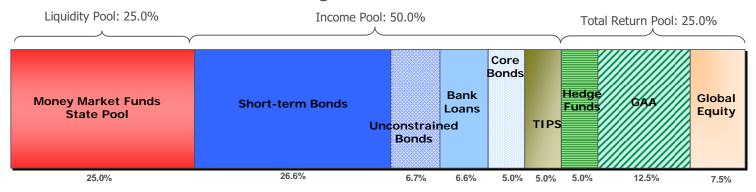


PLAN SUMMARY AND STATISTICS

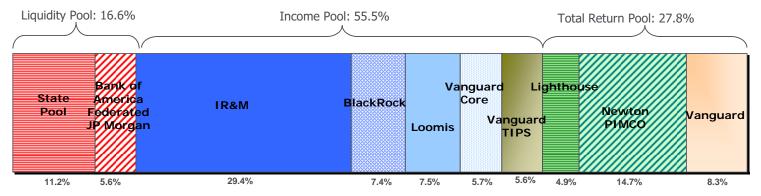
NEPC, LLC —

TOTAL FUND ASSET ALLOCATION

Target Asset Allocation



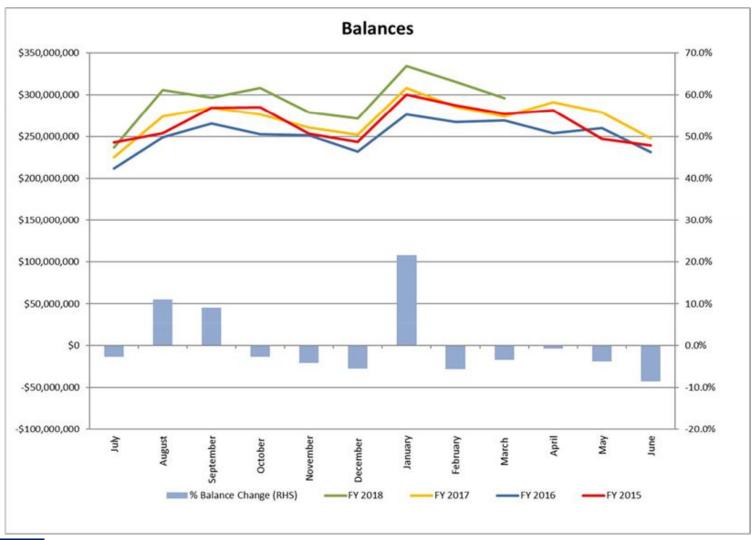
Actual Asset Allocation



*May not add up to 100% due to rounding

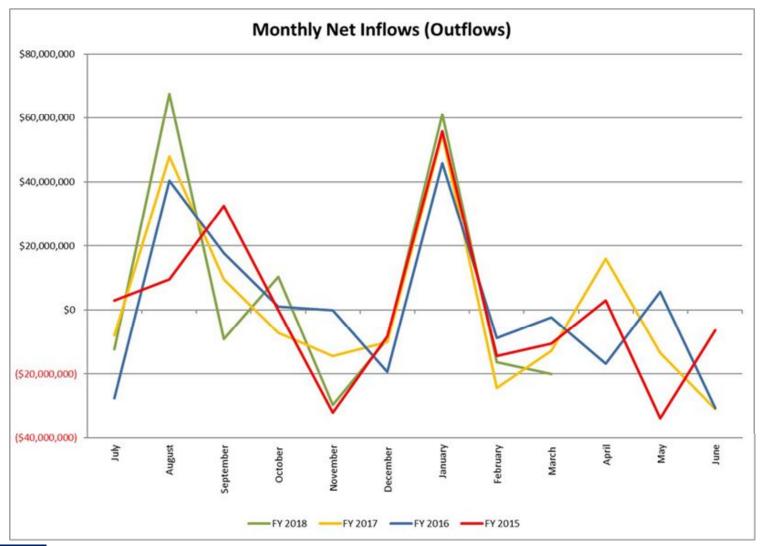


BALANCES AND MONTHLY CHANGES





MONTHLY NET INFLOWS (OUTFLOWS)



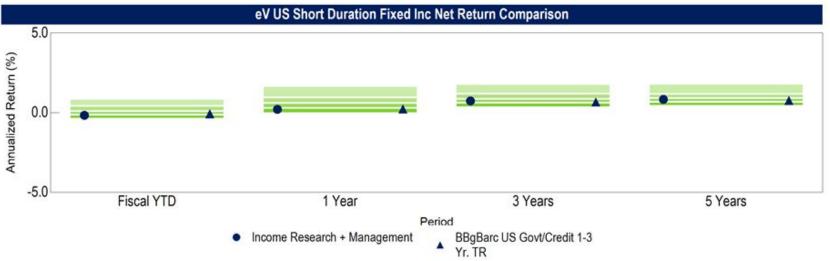


MANAGER ANALYSIS

NEPC, LLC —

INCOME RESEARCH + MANAGEMENT

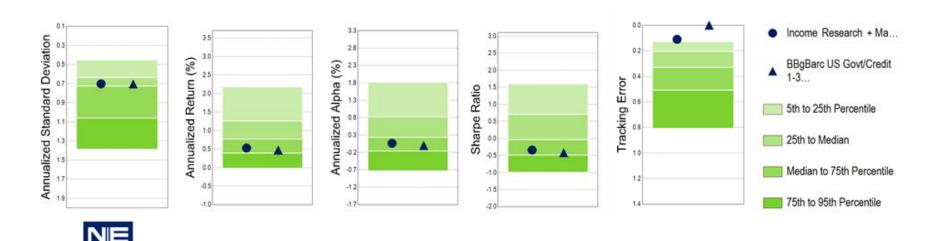






INCOME RESEARCH + MANAGEMENT





March 31, 2018

INCOME RESEARCH + MANAGEMENT





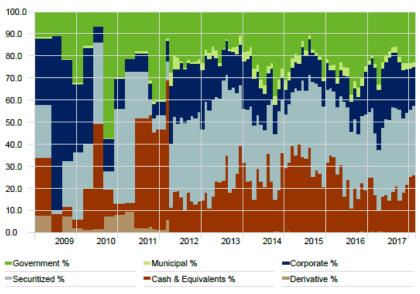




BLACKROCK STRATEGIC INCOME



Historical Sector Allocations (10 Years)



Top Holdings

	Detail Holding Type	Portfolio Weighting %
US Treasury Note 2%	BOND - GOV'T/TREASURY	16.88
Fed Natl Mort Assc 4%	BOND - GOV'T AGENCY PASS-THRU	8.43
Fed Natl Mort Assc 4%	BOND - GOV'T AGENCY PASS-THRU	5.32
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.75
US Treasury Note 2.25%	BOND - GOV'T/TREASURY	-2.75
US Treasury Note 1.75%	BOND - GOV'T/TREASURY	2.15
US Treasury Note 2.25%	BOND - GOV'T/TREASURY	1.80
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	1.26
Japan(Govt Of) 0.1%	BOND - GOV'T INFLATION PROTECTED	1.05
US Treasury Note 2.625%	BOND - GOV'T/TREASURY	-0.99





BLACKROCK STRATEGIC INCOME

Risk & Return Characteristics (5 Years) Risk & Return Illustration (5 Years) Time Period: 4/1/2013 to 3/31/2018 Time Period: 4/1/2013 to 3/31/2018 Fund Index BlackRock Strategic Income Opps Instl 4.0 R2 2.9 100.0 A ICE BofAML USD 3M Dep OR CM TR USD 3.0 Alpha 1.8 0.0 Beta 3.9 1.0 2.0 Std Dev 1.9 0.2 Up Capture Ratio 521.5 100.0 1.0 Down Capture Ratio Sharpe Ratio (geo) 0.9 = 0.0Information Ratio (geo) 1.3 0.0 0.8 1.2 1.6 2.0 Ret 0.0 Tracking Error 1.8 Std Dev Correlation 0.2 1.0 Rolling Returns (3 Years) Rolling Risk (3 Years) Top Quartile 2nd Quartile 3rd Quartile Top Quartile 2nd Quartile 3rd Quartile 25.0 25.0 20.0 20.0 15.0 15.0 10.0 10.0 5.0 0.0 0.0 Pgg 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 2012 2012 2013 2014 2015 2016 2017 2013 2014 2015 2016 2017 -BlackRock Strategic Income Opps Instl -ICE BofAML USD 3M Dep OR CM TR USD -BlackRock Strategic Income Opps Instl -ICE BofAML USD 3M Dep OR CM TR USD Calendar Year Returns Rank 2008 2009 2010 2011 Rank 2012 Rank 2013 Rank 2014 2015 Rank 2016 2017 Rank 25.2 BlackRock Strategic Income Opps Instl -0.3 13.4 -0.79.9 25 3.3 3.9 32 3.6 ICE BofAML USD 3M Dep OR CM TR USD 1.0 0.3 0.2 0.2 3.8 0.3 0.5 0.3 0.7 1.1



LOOMIS SAYLES BANK LOANS

HOLDINGS BY INDUSTRY (%)		
Technology	10.4	
Healthcare	9.5	
Consumer Cyclical Services	8.5	
Building Materials	5.6	
Media Entertainment	5.1	
Retailers	4.9	
Financial Other	3.7	
Industrials - Other	3.7	
Chemicals	3.4	
Cable Satellite	3.4	
P&C	3.3	
Electric	3.2	
Pharmaceuticals	3.2	
Food & Beverage	2.8	
Automotive	2.6	
Restaurants	2.2	

Environmental	2.0
Leisure	1.9
Gaming	1.8
Consumer Products	1.7
Packaging	1.7
Transportation Services	1.4
Wireless	1.4
Wirelines	1.3
Internet & Data	1.0
Metals and mining	1.0
Lodging	1.0
Midstream	0.9
Health Insurance	0.8
Home Construction	0.6
Aerospace/Defense	0.6
Diversified Manufacturing	0.6

Oil Field Services	0.6
Supermarkets	0.5
Entertainment	0.4
Construction Machinery	0.3
Energy - Refining	0.3
Brokerage	0.3
Conglomerates	0.3
Independent	0.2
Banking	0.1
Cash & Equivalents	1.5

CREDIT QUALITY (%)

	Portfolio	&P/LST Leverage Loan Indi
AA	0.0	0.0
A	0.0	0.0
BBB	5.6	11.4
ВВ	49.4	31.4
В	42.4	48.5
CCC & Lower	0.7	6.7
Not Rated	0.4	2.1
Cash & Equivalents	1.5	0.0
Second Lien	0.0	3.5
Avg. Credit Quality	BB-	B+
	5.51	111

Reflects the credit ratings assigned by Standard & Poors. If shown, the S&P! LSTA US BB Ratings Loan Index would be rated 100% BB.

SECTOR DISTRIBUTION (%)

Portfoli		
87.0		
8.2		
3.2		
1.5		

COUNTRY DISTRIBUTION (%)

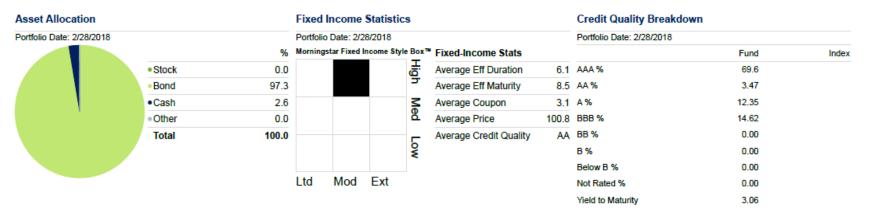
	Portfoli
United States	93.2
Canada	3.7
Other	3.0

TOP FIVE HOLDINGS (%)	
	Portfolio
Energy Transfer Equity, L.P.	0.9
Virgin Media Bristol LLC	0.8
Sedgwick Claims Management Services, Inc.	0.8
Crown Finance US, Inc.	0.7
Michaels Stores, Inc.	0.7

Source: Loomis Sayles



VANGUARD TOTAL BOND MARKET I



Historical Sector Allocations (10 Years)

100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0.0 2009 2010 2011 2012 2013 2014 2015 2016 2017 =Government % -Municipal % -Corporate % =Securitized % -Cash & Equivalents % -Derivative %

Top Holdings

		Holding Type	Weighting %
4	United States Treasury Notes 2.125% SNR PIDI NTS 15/05/2025 USD (C-2025)	BOND - GOV'T/TREASURY	0.47
	United States Treasury Notes 2.625% SNR PIDI NTS 15/11/2020 USD (F-2020)	BOND - GOV'T/TREASURY	0.43
	United States Treasury Notes 2.125% SNR PIDI NTS 31/12/2022 USD (T-2022)	BOND - GOV'T/TREASURY	0.42
_	United States Treasury Notes 1.375% PIDI NTS 15/02/2020 USD (AJ-2020)	BOND - GOV'T/TREASURY	0.42
	United States Treasury Notes 1.75% SNR PIDI NTS 15/05/2023 USD (C-2023)	BOND - GOV'T/TREASURY	0.41
	United States Treasury Notes 1.625% PIDI NTS 15/03/2020 USD (AK-2020)	BOND - GOV'T/TREASURY	0.39
	United States Treasury Notes 3.625% SNR PIDI NTS 15/08/2019 USD	BOND - GOV'T/TREASURY	0.39
	United States Treasury Notes 2.25% PIDI NTS 15/11/2027 USD (F-2027)	BOND - GOV'T/TREASURY	0.39
	United States Treasury Notes 1.75% SNR PIDI NTS 28/02/2022 USD (H-2022)	BOND - GOV'T/TREASURY	0.38
	United States Treasury Notes 1.5% SNR PIDI NTS 31/10/2019 USD (AE-2019)	BOND - GOV'T/TREASURY	0.37



Source: Morningstar

Detail

VANGUARD TOTAL BOND MARKET I

Risk & Return Characteristics (5 Years) Risk & Return Illustration (5 Years) Time Period: 4/1/2013 to 3/31/2018 Time Period: 4/1/2013 to 3/31/2018 Fund Index 2.1 Vanguard Total Bond Market Index I R2 99.9 100.0 1.8 BBgBarc US Agg Bond TR USD Alpha -0.1 0.0 1.5 Beta 1.0 1.0 1.2 3.3 3.2 Std Dev 0.9 100.6 Up Capture Ratio 100.0 0.6 105.3 100.0 Down Capture Ratio 0.3 0.4 0.5 0.0 ع Sharpe Ratio (geo) Information Ratio (geo) -0.5 0.0 1.0 2.0 3.0 4.0 Tracking Error 0.2 0.0 Std Dev Correlation 1.0 1.0 Rolling Returns (3 Years) Rolling Risk (3 Years) Top Quartile 2nd Quartile 3rd Quartile Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile Bottom Quartile 20.0 12.0 10.0 15.0 8.0 10.0 6.0 5.0 4.0 0.0 2.0 0.0 Std Dev 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 2012 2013 2014 2015 2016 2017 2012 2013 2014 2015 2016 2017 -BBgBarc US Agg Bond TR USD -Vanguard Total Bond Market Index I -Vanguard Total Bond Market Index I -BBgBarc US Agg Bond TR USD Calendar Year Returns 2008 Rank 2009 Rank 2010 Rank 2011 Rank 2012 Rank 2013 Rank 2014 Rank 2015 Rank 2016 Rank 2017 Rank Vanguard Total Bond Market Index I 5.2 6.1 89 7.7 11 4.2 83 -2.1 67 5.9 30 0.4 28 2.6 62 3.6 55 6.6 70 BBgBarc US Agg Bond TR USD 5.2 5.9 6.5 7.8 4.2 -2.0 6.0 0.5 2.6 3.5



VANGUARD INFLATION PROTECTED SECURITIES



Historical Sector Allocations (10 Years)

100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0.0 2009 2010 2011 2012 2013 2014 2015 2016 2017 =Government % -Municipal % -Corporate % =Securitized % -Cash & Equivalents % -Derivative %

Top Holdings

	Detail Holding Type	Portfolio Weighting %
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	5.38
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	4.70
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	4.10
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.80
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.79
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.78
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.73
US Treasury TIP	BOND - GOV'T INFLATION PROTECTED	3.71
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.69
US Treasury Note	BOND - GOV'T INFLATION PROTECTED	3.65



VANGUARD INFLATION PROTECTED SECURITIES

Risk & Return Characteristics (5 Years) Risk & Return Illustration (5 Years) Time Period: 4/1/2013 to 3/31/2018 Time Period: 4/1/2013 to 3/31/2018 Fund Index Vanguard Inflation-Protected Secs I 0.3 R2 99.6 100.0 A BBgBarc US Treasury US TIPS TR USD Alpha -0.1 0.0 0.2 Beta 1.0 1.0 0.1 4.9 Std Dev 5.1 101.9 100.0 Up Capture Ratio 0.0 Down Capture Ratio 104.2 100.0 <u>⊑</u> -0.1 Sharpe Ratio (geo) -0.1 -0.1 Information Ratio (geo) -0.2 3.0 5.0 1.0 2.0 4.0 0.0 Tracking Error 0.4 Correlation 1.0 1.0 Std Dev Rolling Returns (3 Years) Rolling Risk (3 Years) Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile 12.5 10.0 10.0 8.0 7.5 6.0 5.0 2.5 4.0 0.0 2.0 -2.5 0.0 -5.0 Б 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 12 03 03 06 09 12 03 06 09 12 03 06 09 12 03 06 09 2015 2012 2013 2014 2016 2017 2012 2013 2014 2015 2016 2017 -Vanguard Inflation-Protected Secs I -BBgBarc US Treasury US TIPS TR USD Vanguard Inflation-Protected Secs I -BBgBarc US Treasury US TIPS TR USD Calendar Year Returns 2008 2010 Rank 2011 2012 2013 2014 2015 Rank 2016 Rank 2017 Rank 2009 Rank Vanguard Inflation-Protected Secs I -2.8 13.4 6.9 24 -8.8 4.1 -1.7 4.6 34 56 11.0 29 6.3 28 52 5 31 39 3.0



BBgBarc US Treasury US TIPS TR USD

Source: Morningstar

-2.4

11.4

6.3

3.0

4.7

13.6

7.0

-8.6

3.6

-1.4

LIGHTHOUSE GLOBAL LONG/SHORT

	Performa			19.		17.91	1000		1000		123	14.00	174	Performance Analysis			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year		Lighthouse	S&P 500	Barclays
2018	2.5	-0.3	-0.5	***	****	2000	***	999	***	***	***	***	1.7		Global Long/Short		Aggregate 8 Index
2017	1.6	0.3	1.1	-0.5	-0.3	0.0	0.7	1.0	0.1	2.2	-0.6	1.1	6.7		Fund, L.P.		Andex
2016	-3.6	-0.7	-0.4	0.6	1.0	0.3	1.7	-0.2	1.0	-0.9	1.2	0.3	0.0	Since Inception Return	61	8.3	3.9
015	1.0	1.0	1.6	-0.5	1.1	0.2	0.4	-0.8	-1.0	2.2	0.0	1.7	72	1 Yr Return	55	14.0	12
014	0.9	1.8	-1.7	-2.0	1.2	1.9	-0.5	1.7	-0.1	0.3	1.2	0.6	5.3	350000000			
2013	3.2	0.5	2.7	1.5	1.0	1.0	2.2	-0.3	2.2	1.2	1.1	2.4	20.5	3 Yr Return	3.9	10.8	1.2
2012	1.7	1.7	1.6	1.2	-3.7	0.5	0.2	1.1	1.3	-0.1	0.8	0.4	6.7	5 Yr Return	6.7	13.3	1.8
2011	-0.2	1.2	0.7	2.1	-1.1	-1.5	0.6	-3.1	-0.6	1.7	-1.0	-0.6	-1.9	7 Yr Return	62	12.7	2.9
010	0.0	0.3	1.9	0.6	-2.4	-1.7	1.7	-0.6	1.3	1.8	0.2	2.1	5.1	10 Yr Return	5.2	9.5	3.6
1009	0.3	-0.5	1.1	1.3	2.3	0.7	1.6	1.4	1.5	-0.9	0.3	0.9	10.2	Best Month	3.3	10.9	3.7
1008	-3.2	1.2	4.7	1.5	2.8	-0.5	-1.4	-0.3	-6.4	-2.0	-0.6	0.0	-13.1	Worst Month	-6.4	-16.8	-2.4
2007	2.7	0.4	1.5	2.6	3.2	1.3	-0.2	-2.3	1.8	3.3	-24	0.2	12.6	Percent Profitable Periods	68.6	673	65.4
1006	2.1	0.0	0.7	0.6	-2.0	-0.3	0.1	2.0	1.8	1.8	2.5	2.4	12.2	Product Inception Date	01/01/2005	***	01/00
	Dut	perform	BM in U	o Market	8			Dut	perform	BM in D	own Har	kets		D	istribution of Retur	ns	
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0	BM	1	0	BI	M2			0	BM1		0	BM2		•			3 68 68 68
	ВМ	1		В	MZ			76	BM1		20	BM2		0	30 30 30 00 00 30	0,0,0,0,0	1000000
	ВМ		0		M2			76	2010	1	0	500,375.0				0,0,0,0,0	1000000
	ВМ				MZ			76	2010	1	20	500,375.0		Risk Analysis	786		
0	ВМ		0		MZ		8.2	76	2010	1	0	500,375.0		Risk Analysis Since Inception Standard Deviation	53	13.7	32
	ВМ		0				20	76	2010	1	0	500,375.0		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation	5.3 4.0	13.7 10.3	32 27
9	ВМ		0		M2		8.2	76	2010	1	0	500,375.0		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation	53 40 40	13.7 10.3 9.9	32 27 29
0	ВМ		0				20	76	2010	1	0	500,375.0		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation	53 40 40 45	13.7 10.3 9.9 11.0	32 27 29 28
9 8	ВМ		0				8.2	76	2010	1	0	500,375.0		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation	53 40 40 45 49	13.7 10.3 9.9 11.0 15.0	32 27 29 28 33
9	ВМ		0				20	76	2010	1	0	500,375.0		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio	53 40 40 45 49	13.7 10.3 9.9 11.0 15.0 0.5	32 27 29 28 33 09
9 8 7	ВМ		0				20	76	2010	1	0	500,375.0	~	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation	53 40 40 45 49	13.7 10.3 9.9 11.0 15.0	32 27 29 28 33
9 8 7	ВМ		0				20	76	2010	1	0	500,375.0		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio	53 40 40 45 49	13.7 10.3 9.9 11.0 15.0 0.5	32 27 29 28 33 09
9 8 7 6	ВМ		0				20	76	2010	1	0	500,375.0	7	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sharps Ratio Sontino Ratio	53 40 40 45 49 09	13.7 10.3 9.9 11.0 15.0 0.5	32 27 29 28 33 09
9 8 7	BM		0				20	76	2010	1	0	500,375.0		Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Loss Deviation	53 40 40 45 49 09 13	13.7 10.3 9.9 11.0 15.0 0.5 0.7 9.5	32 27 29 28 33 09 15
9 8 7 6 5	ВМ		0				20 0 -20	76	2010	1	0	500,375.0	~~	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown Max Drawdown Length	53 40 40 45 49 09 13 36 15.2	13.7 10.3 9.9 11.0 15.0 0.5 0.7 9.5 50.9	32 27 29 28 33 09 15 18
9 8 7 6	BM		0				20 0 -20	76	2010	1	0	500,375.0	~	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortine Ratio Loss Deviation Max Drawdown	53 40 40 45 45 49 09 13 36	13.7 10.3 13.9 11.0 15.0 0.5 0.7 15.5 50.9 16	32 27 29 28 33 09 15 18 38
9 8 7 6 5 4	BM		0				20 - 20 - 40	0	Und	√ ^	Drawdo	wn.	~	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown Max Drawdown Length	53 40 40 45 49 09 13 36 15.2	13.7 10.3 13.9 11.0 15.0 0.5 0.7 15.5 50.9 16	32 27 29 28 33 09 15 18 38
9 8 7 6 5 4 3	•	Risk/R	0 Keturn Pr	ofile	•		20 - 20 - 40	0	Und	√ ^	Drawdo	wn.	, res	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortine Ratio Loss Deviation Max Drawdown Length Max Drawdown Recovery Length	53 40 40 45 49 09 13 36 15.2	13.7 10.3 13.9 11.0 15.0 0.5 0.7 15.5 50.9 16	32 27 29 28 33 09 15 18 38
9 8 7 6 5 4	•	Risk/R	0 Coturn Pr	ofite			20 - 20 - 40	0	Und	√ ^	Drawdo	500,375.0	The State of the S	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Sortino Ratio Loss Deviation Max Drawdown Max Drawdown Length	53 40 40 45 49 09 13 36 15.2	13.7 10.3 13.9 11.0 15.0 0.5 0.7 15.5 50.9 16	32 27 29 28 33 09 15 18 38
9 8 7 6 5 4 3	•	Risk/R	0 Keturn Pr	ofite	•		20 - 20 - 40	0	Und	√ ^	Drawdo	wn.	The state of the s	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 7 Yr Standard Deviation 10 Yr Standard Deviation Sortine Ratio Sortine Ratio Loss Deviation Max Drawdown Length Max Drawdown Recovery Length Comparison to Benchmarks	53 40 40 45 49 09 13 36 15.2	13.7 10.3 9.9 11.0 15.0 0.5 0.7 9.5 50.9 16	32 27 29 28 33 09 15 18 38 7
9 8 7 6 5 4 3	•	Risk/R	0 Seturn Pr	ofile	•		20 - 20 - 40	o	Und	A se se	Drawdo	The The The	, no	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 3 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Loss Deviation Max Drawdown Max Drawdown Length Max Drawdown Recovery Length Comparison to Benchmarks Annualized Alpha	53 40 40 45 49 09 13 36 15.2	13.7 10.3 9.9 11.0 15.0 0.5 0.7 9.5 50.9 16 37	32 27 29 28 33 09 15 18 38 7 2
9 8 7 6 5 4 3	•	Risk/R	0 Coturn Pr	ofile	•		20 - 20 - 40	o	Und	A se se	Drawdo	The The The	128	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 5 Yr Standard Deviation 5 Yr Standard Deviation 50 Yr Standard Deviation 50 Yr Standard Deviation 50 Yr Standard Deviation Sharpe Ratio Loss Deviation Max Drawdown Max Drawdown Length Max Drawdown Recovery Length Comparison to Benchmarks Annualized Alpha Beta	53 40 40 45 49 09 13 36 15.2	13.7 10.3 9.9 11.0 15.0 0.5 0.7 9.5 50.9 16 37	32 27 29 28 33 09 15 18 38 7 2
9 8 7 6 5 4 3	•	Risk/R	0 Seturn Pr	ofile	•		20 - 20 - 40	o	Und	A se se	Drawdo	The The The	The state of the s	Risk Analysis Since Inception Standard Deviation 3 Yr Standard Deviation 3 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation 10 Yr Standard Deviation Sharpe Ratio Loss Deviation Max Drawdown Max Drawdown Length Max Drawdown Recovery Length Comparison to Benchmarks Annualized Alpha	53 40 40 45 49 09 13 36 15.2	13.7 10.3 9.9 11.0 15.0 0.5 0.7 9.5 50.9 16 37	32 27 29 28 33 09 15 18 38 7



LIGHTHOUSE GLOBAL LONG/SHORT

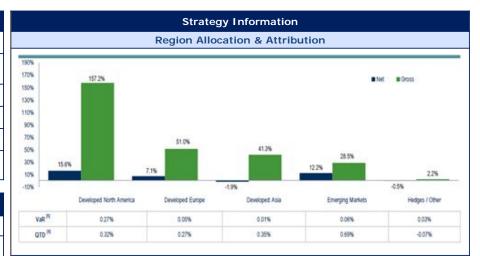
General Fund Information									
Fund Name	Lighthouse Global Long	Lighthouse Global Long/Short Fund							
Manageme nt Company	Lighthouse Investment	Lighthouse Investment Partners, LLC							
Location	Palm Beach, FL	Palm Beach, FL							
Firm AUM	\$10.6 billion	Strategy	Fund of Fund						
Strategy AUM	\$1.9 billion	Sub- Strategy	Long/Short Equity						
Portfolio Managers	Ethan Baron	Direct or FOF	FOF						

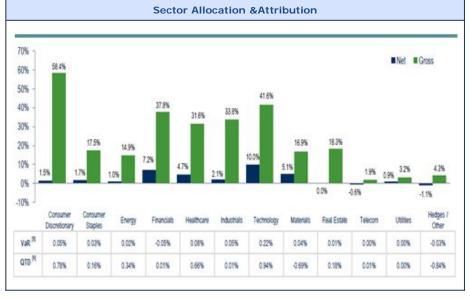
	Terms
Share Class	
Minimum Investment	\$1 million
Managemen t Fee	1.15%
Incentive Fee	
Hurdle Rate	None
High Water Mark	Yes
Subscription	Monthly
Redemption	Quarterly (60 days notice) or Monthly (90 days notice)
Lock-Up	None

Investment Strategy

Lighthouse's Global Long/Short Fund is a global portfolio of 20-30 separately managed accounts with industry sector and country specialist managers. The geographical allocations are similar to the MSCI World Index (30%-75% Americas, 10%-35% Europe, 5%-35% Asia).

The Fund targets returns greater than 10% over market cycles with 6%-8% volatility and an equity beta of 0.2–0.4 to the MSCI World Index.

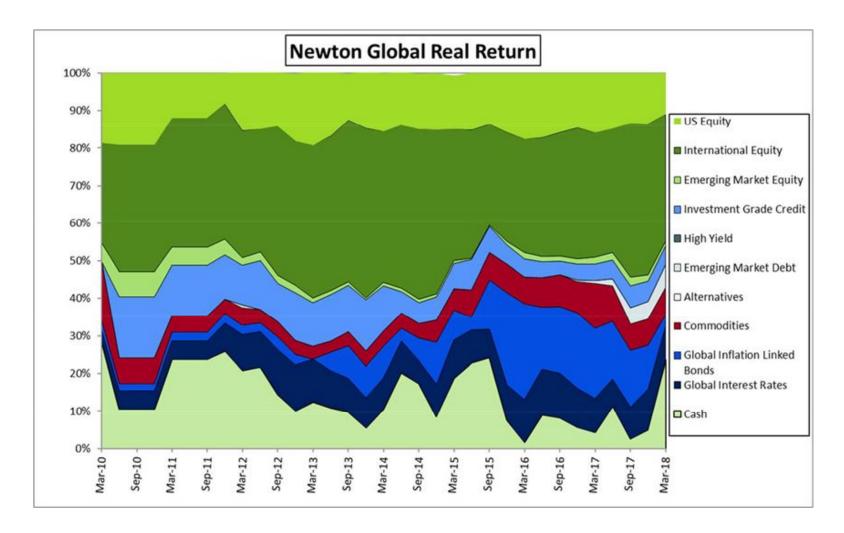






For more information please see NEPC's Investment Due Diligence Report and Operational Due Diligence Report

NEWTON GLOBAL REAL RETURN



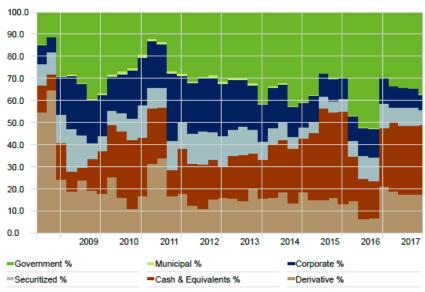


Source: Newton

PIMCO ALL ASSET



Historical Sector Allocations (10 Years)



Top Holdings

		Detail Holding Type	Portfolio Weighting %
	PIMCO Emerging Markets Currency Instl	MUTUAL FUND - OPEN END	13.66
	PIMCO Emerging Local Bond Insti	MUTUAL FUND - OPEN END	6.44
L	PIMCO RAE Fundamental PLUS EMG Inst	MUTUAL FUND - OPEN END	6.41
	PIMCO Income Instl	MUTUAL FUND - OPEN END	6.27
	PIMCO RAE Low Volatility PLUS EMG Inst	MUTUAL FUND - OPEN END	5.76
	PIMCO CommoditiesPLUS® Strategy InstI	MUTUAL FUND - OPEN END	5.38
	PIMCO RAE Fundamental EMkts Insti	MUTUAL FUND - OPEN END	5.33
	PIMCO Total Return Instl	MUTUAL FUND - OPEN END	4.90
	PIMCO Long-Term US Government Insti	MUTUAL FUND - OPEN END	4.29
	PIMCO Real Estate Real Return Strategy I	MUTUAL FUND - OPEN END	4.20



Source: Morningstar

March 31, 2018

PIMCO ALL ASSET

	All Asset Fund																	
Total Fund Net Assets (\$US MM)	19,801.3																	
	6/30/2014	\$130/2014	12/31/2014	3/31/2015	4/30/2015	9/00/2015	12/31/2015	3/31/2016	6/30/2016	9/30/2016	12/31/2016	3/31/2017	6/30/2017	\$130/2017	12/31/2017	1/31/2018	2/28/2018	3/31/201
Third Pillar	78.71%	71.02%	74.17%	85.29%	85.75%	85.46%	81.91%	85.26%	81.04%	78.31%	74.27%	72.48%	70.05%	69.73%	70.82%	72.52%	72.92%	73.64%
Emerging Markets Equities	12.81%	13.05%	11.83%	13.66%	12.67%	12.09%	14.11%	20.24%	22.17%	20.70%	18.77%	18.42%	17.50%	17 09%	17.76%	19.91%	19.22%	18.21%
RAE Fundamental Emerging Markets Fund								2.98%	4.22%	4.71%	4.63%	3.99%	4.47%	5.11%	5.33%			
RAE Fundamental PLUS EMG Fund	5.99%	4.69%	4.12%	4.75%	4.73%	4.41%	4.65%	5.96%	6.11%	5.07%	3.39%	3.19%	3.70%	4.73%	6.41%			
RAE Low Volatility PLUS EMG Fund	6.80%	8.34%	7.70%	8.92%	8.94%	8.68%	9.46%	11.29%	11.83%	10.91%	10.74%	11.24%	9.33%	7.25%	5.76%			
EgS Emerging Markets Fund	0.02%	0.02%	0.02%	9														
RAFI Dynamic Multi-Factor EM Equity ETF	6.80%	8.34%	7.70%	8.92%	8.94%	8.68%	9.46%	11.29%	11.83%	10.91%	10.74%	11.24%	9.33%	7.25%	0.26%			
Composition and Fill's	6.76%	18120	1000 E	0.000	F-1404	6 10%	8.63%	7.21%	1000	5.0%	5200	- C.	150	10.07%	THE PARTY OF THE P	10.33%	10.12%	10 55%
CommoditiesPLUS™ Strategy Fund	3.03%	3.58%	3.08%	2.88%	2.19%	1.93%	1.68%	4.14%	3.12%	3.33%	3.47%	3.22%	4.05%	4.99%	5.38%	and the same of th		BERLEO CONTRA
CommodityRealReturn Strategy Fund®	1,66%	3.00%	3.97%	3.90%	2.18%	1.88%	1.62%	1.52%	0.89%	0.77%	0.53%	0.56%	1.05%	1.04%	1.08%			
RealEstateRealReturn Strategy Fund	4.06%	1.60%	2.86%	2.31%	1.99%	2.29%	2.23%	1.54%	1,53%	1.39%	1.26%	1.73%	3.19%	3.99%	4.20%			
										_						- CONTRACTOR OF THE PARTY OF TH	-	-
Emerging Markets Bonds	19.88%	20.22%	18.83%	20 52%	22.45%	22.15%	20.83%	22.27%	17.67%	18.30%	19.97%	20.92%	20.56%	20.20%	20.11%	20.16%	20.51%	29.55%
Emerging Local Bond Fund	7.42%	9.50%	9.10%	9.00%	9,79%	9.42%	8.48%	9.50%	6.94%	7.33%	6.98%	7,09%	6.76%	6.55%	6.44%			
Emerging Markets Currency Fund	7.10%	8.33%	9.05%	11.50%	12.29%	12.33%	11.94%	12.77%	10,73%	10.97%	12.99%	13.83%	13.80%	13.65%	13.66%			
Emerging Markets Bond Fund	3,90%	1.92%	0.47%	0.24%	0.29%	0.32%	0.32%	-	+-		-			Ş				
Emerging Markets Corporate Bond Fund	1.43%	0.57%	0.20%	0.07%	0.07%	0.08%	0.09%				+				14			
Credit	21.84%		14.21%			16.08%		16.65%	17.72%	18.22%			14.00%	12:74%	12,40%			
High Yield Fund	1,11%	0.43%	2.64%	2.85%	2.88%	3.11%	2.53%	3.72%	2.90%	2.56%	2.35%	1.87%	1.01%	0.60%	0.59%			and the same of th
High Yield Spectrum Fund	3.69%	2.66%	2.90%	3.07%	3.20%	3.60%	3.84%	4.25%	4.67%	4.68%	4.64%	4.06%	2.50%	1.57%	1.55%			
Income Fund	10.28%	6.51%	6.21%	5.90%	6.01%	6.47%	6.34%	6.93%	7.51%	8.19%	7.63%	6.44%	6.62%	6.55%	6.27%			
Diversified Income Fund	3.21%	0.09%	0.10%	0.03%	0.21%	0.24%	0.24%	0.25%	0.57%	0.51%	0.49%	0.54%	0.15%	0.00%	0.00%			
Low Duration Income Fund	1.75%	0.28%	0.06%	0.29%	0.33%	0.37%	0.29%	V.4079	Q.Q176	0.2176	0.40%	0.0470	9.1979	V.00.9	0.0010			
Senior Floating Rate Fund	1.79%	1.60%	2.30%	2.82%	2.61%	2.28%	2.07%	1.50%	2.06%	2.28%	2.34%	2.49%	3.81%	4.02%	3.99%			
Senior Floating Hate Fund Convertible Fund	1.79%	1.00%	2.00%	4.04%	2.01%	4.40%	2.07%	1.00%	2.00%	2.20%	2.0476	2.45%	3,0176	4,0276	3.99%			
European Convertible Fund						10.00		-	-									
		-	-	-	-	-	-	-		_	-		-	-	-	and delivery	-	-
Global Bonds	1.21%	0.34%	0.35%	0.53%	1.07%	124%	1.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0,00%
Foreign Bond Fund (Unhedged)	0.26%	0.29%	0.30%	0.30%	0.30%	0.31%	0.29%				-							
Global Advantage Strategy Fund	0.95%	0.04%	0.05%	0.23%	0.76%	0.93%	0.88%				*.							
Global Bond Fund (Unhedged)		1000				O THE REAL PROPERTY.	and a		*						100			
Inflation Linked Bonds	0.90%	2.67%	2.73%	7.87%	7.88%	7.66%	7.90%	5.73%	3.21%	3.48%	3.85%	3.80%	3.97%	3.86%	3.75%	3.10%	3.14%	3.01%
Real Return Fund	0.29%	1.24%	1.38%	1.31%	1.29%	1.19%	0.81%	0.00%	0.18%	2.77%	3.19%	3.25%	3.53%	3.44%	3.32%			
Real Return Asset Fund	0.53%	1.34%	1.27%	6.49%	6.50%	6.40%	6.99%	5.61%	2.91%	0.59%	0.54%	0.43%	0.44%	0.42%	0.43%			
Global Advantage® Inflation-Linked Bond ETF	0.08%	0.08%	0.08%	0.08%	0.08%	0.09%	0.10%	0.12%	0.12%	0.12%	0.12%	0.12%	-					
Alternative Strategies	13.54%	14.87%	16,33%	18.36%	19.09%	15 12%	17.65%	13.15%	14.74%	12.12%	0.50%	8.45%	5.65%	5.82%	6.15%	7.12%	7.76%	9.35%
Unconstrained Bond Fund	2.53%	2.18%	1.79%	2.75%	2.44%	2.32%	2.08%	1.80%	1.96%	_	-					Tallock Company	-	Contract of the Contract of th
Credit Absolute Return Fund	2.78%	1,10%	0.76%	0.52%	0.44%	0.39%	0.23%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
Vortgage Opportunities Fund	0.55%	0.57%	0.61%	0.65%	0.66%	0.75%	0.74%	0.79%	0.78%	0.73%	0.74%	0.72%	0.72%	0.71%	0.69%			
RENDS Managed Futures Strategy Fund	0.16%	0.18%	0.19%	0.20%	0.20%	0.75%	0.26%	0.30%	0.29%	0.73%	0.74%	0.72%	0.72%	0.28%	0.29%			
	0.10%			0.20%	0.20%	0.18%			0.28%	U.28%		V.28%		0.20%	U.29%			
EqS Long/Short Fund		0.47%	0.49%				2.000											
RAE Worldwide Long/Short PLUS Fund			3.08%	6,53%	7.49%	7.93%	7.96%	6.42%	7.28%	6.90%	5.73%	5.03%	3.06%	2.96%	3.03%			
RAE Fundamental Advantage PLUS Fund	2.62%	4.90%	4.84%	3.93%	3.75%	3.25%	2.62%	1,69%	2.20%	2.02%	1.06%	1.29%	1.59%	1.87%	2.14%			
RAE Worldwide Fundamental Adv PLUS Fund	4.24%	5.47%	4.57%	3,42%	3.86%	4,07%	3,16%	2.16%	2.23%	2.18%	1.15%	1.10%						



Source: PIMCO

PIMCO ALL ASSET

V	6/30/2014	9/30/2014	12/31/2014	3/31/2015	6/30/2015	\$/30/2015	12/31/2015	3/31/2016	E/30/2016	5/30/2016	12/31/2016	3/31/2017	6/30/2017	\$100/2017	12/31/2017	1/31/2018	2/26/2015	2/31/201
Second Pillar	9.05%	15.65%	13,80%	4.95%	6.15%	6.81%	10.78%	4.87%	10.63%	12.82%	14.87%	16,12%	20.07%	21.03%	19.88%	18,88%	19.07%	19.00%
US Core Bonds	3,10%	4.59%	4.58%	2.91%	3.17%	3.78%	3.66%	2.88%	4.28%	7.31%	4.68%	5.80%	7.75%	8.35%	7.21%	7.02%	6.57%	6.33%
Total Return Fund	3.07%	2.37%	2.25%	1.04%	1.39%	1.65%	1.65%	1.22%	3.41%	4.47%	1.92%	2.56%	4.44%	5.70%	4.90%			
Investment Grade Corporate Bond Fund	0.02%	2.02%	2.34%	1.87%	1.78%	2.12%	2.01%	2.66%	2.87%	2.85%	2.76%	3.24%	3.26%	2.66%	2.30%			
Mortgage-Backed Securities Fund			0.000		100000000	and the last	100000000000000000000000000000000000000		and the same of				1000000		100000000000000000000000000000000000000			
GNMA Fund			-		-	-		-					-					
US Lone Maharity Bonds	4.82%	10.54%	7.70%	1.28%	1.53%	154%	2.31%	0.28%	2.55%	2.10%	5.30%	7.65%	1.675	8.62%	8.70%	7.57%	7.50%	7.55%
Extended Duration Fund						1000			0.42%	0.25%	1.51%	2.25%	2.91%	3.05%	3.13%		-	
Long-Term US Government Fund	0.27%	5.79%	3.91%	0.00%	0.00%	0.00%	0.00%	0.00%	1.18%	1.06%	2.41%	4.18%	4.42%	4.28%	4.29%			
Long Term Credit Fund	4.20%	3.35%	1.93%	0.50%	0.57%	0.77%	0.88%	0.27%	0.27%	0.17%	0.17%	0.12%						
Long Duration Total Return Fund	0.35%	1.80%	1.86%	0.77%	0.95%	1.16%	1.42%	0.00%	0.68%	0.62%	1.20%	1.14%	1.30%	1.29%	1.28%			
Short-Term Bonds	1.13%	0.32%	1.52%	0.77%	17,035	1,09%	4.01%	0.71%	1.0%	3.40%	40%	2.03%	3.73%	4.86%	3,57%	4.9%	471%	4.00%
Low Duration Fund	0.94%	0.26%	0.53%	0.24%	0.87%	0.41%	1.54%	0.19%	1.26%	2.38%	2.44%	2.26%	3.37%	3.72%	3.34%			The state of the s
Low Duration Exchange Traded Fund	0.20%	0.21%	0.22%	0.23%	0.24%	0.29%	0.19%	0.1976	1,20%	2.30%	2.4470	2.20%	3.31%	3.72%	3.34%			
Short Term Fund	0.00%	0.00%	0.00%				0.19%		- 2									
Government Money Market Fund	0.00%	0.00%	0.80%	0.33%	0.35%	0.42%		0.54%	0.54%	1.02%	2.26%	0.38%	0.37%	0.33%	0.63%			
Money Market Fund	-	-	.0.00%	9.33%	0.35%	0.42%	3.13%	0.34%	0.34%	1.06270	2.20%	0.36%	U.ar %	0.33%	0.03%			
Net Short Duration Instruments	-0.01%	-0.16%	-0.02%	-0.03%	-0.01%	-0.02%	-0.04%	-0.01%	0.00%	0.00%	-0.01%	0.00%	-0.01%	0.00%	0.00%			
THE GIRD'S DOLLOWS INSCRIPTION	-0.0114	-0.1010	-0.02.10	-5.05%	-0.0176	-0.02.0	-0,0476	-0.0176	0.00 /4	0.00%	-0.0176	0.00 (4	-0,0176	0.00%	0.00%			
First Pillar	12.24%	13.34%	12.03%	9.76%	8.10%	7.73%	7.32%	9.87%	8.53%	8.87%	11.06%	11.40%	9,80%	9.24%	9.50%	8.60%	8.01%	7.56%
US Equities	5,12%	2.41%	4.63%	2.78%	2.38%	2.17%	1.53%	0.51%	0.55%	0.23%	0.25%	0.25%	0.25%	0.26%	0.27%	0.27%	0.26%	0.26%
RAE Fundamental PLUS Fund	0.03%	0.03%	0.55%	0.20%	0.21%	0.22%	-	The state of the s	-	The same of the sa	-	-	and the latest desired to the latest desired	-		and the same of the same	Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, which i	-
RAE Low Volatility PLUS Fund	0.41%	1.72%	2.70%	1.93%	1.74%	1.65%	1.21%	0.51%	0.55%	0.23%	0.25%	0.25%	0.25%	0.26%	0.27%			
RAE Fundamental PLUS Small Fund	0.65%	0.63%	0.74%	0.64%	0.43%	0.30%	0.32%		CO COLO	-	-	0.201						
StocksPLUS® Small Fund	0.02%	0.02%	0.02%						-									
Fundamental IndexPLUS**	0.02.0	0.04.10	0.00%															
StocksPLUS® Fund	0.00%	0.00%	0.00%					-										
StocksPLUS® Absolute Return Fund	0.01%	0.01%	0.01%	1/4		100			-	- 2	- 1	-	100		- 4			
Developed ex-US Equities	11.12%	10.33%	8.00%	6.97%	5.73%	5.55%	5.79%	5.26%	7.78%	8.65%	10.81%	11.15%	3.025	8.95%	9.03%	5.32%	7.74%	7.10%
RAE Fundamental PLUS Ind Fund	3.16%	3.07%	3.01%	1.71%	1.60%	1.47%	1.51%	1.61%	1.56%	1.89%	2.51%	2.88%	3.45%	3.52%	3.43%	and the same of th	- Company	a sameta da
RAE Low Volatility PLUS Intl Fund	5.73%	5.65%	3.79%	4.22%	4.13%	4.08%	4.24%	4.72%	3.35%	3.97%	5.31%	4.95%	2.50%	1.73%	1.80%			
StocksPLUS® International Fund (USD-Hedged)	0.01%	0.01%	0.01%	7.66.70	71/9/0	7.00%	0.05%	2.76%	2.58%	2.64%	2.83%	2.93%	2.94%	2.98%	3.02%			
StocksPLUS® International Fund (Unhedged)	0.02%	0.02%	0.02%			7.5	V.VV.11	0.27%	0.29%	0.16%	0.16%	0.40%	0.73%	0.76%	0.77%			
EgS Global Dividend Fund	0.01%	0.01%	0.01%					V.6176	V,43719	V.70.9	4.70%	0.4019	4,747	4,7479				
EgS Pathfinder Fund	2.19%	2.18%	1.16%			100000												



Source: PIMCO

VANGUARD TOTAL WORLD STOCK INDEX I

Holdings Based Style Trail (5 Years) Portfolio Statistics Market Capitalization Breakdown Top Ten Holdings Port 3 Month Time Period: 6/30/2013 to 2/28/2018 Fund Index Fund Index Weight % Return # of Holdings 7,950 7,860 Market Cap Giant % 45.8 1.72 Apple Inc -0.48% Asset in Top 10 Holdings 8.7 8.6 Market Cap Large % 32.0 Microsoft Corp 1.30 7.19 Turnover Ratio % 10.0 Market Cap Mid % 17.4 P/E Ratio 18.6 17.2 Market Cap Small % 4.4 Amazon.com Inc 1.12 23.76 2.2 2.1 Market Cap Micro % P/B Ratio 0.4 Facebook Inc A 0.78 -9.45 11.7 11.9 Average Market Cap 39,554.9 LT Earn Growth JPMorgan Chase & Co 0.74 3.36 Hist Earn Growth 7.8 Equity Region Developed % 91.7 Alphabet Inc C 0.69 -1.40Equity Region Emerging % 8.3 12 Mo Yield 2.1 Johnson & Johnson 0.65 -7.68 Exxon Mobil Corp 0.59 -9.88 Bank of America Corporation 0.58 2.00

+ Vanguard Total World Stock Index I #FTSE Global All Cap TR USD

Sector Attribution (Quarter)

		enchmark Portfolio			
	Weights	Weights Return	Return	Effect	Effect Return
Consumer Discretionary	12.14	0.64			
Consumer Staples	7.86	-4.46			
Energy	5.79	-3.93			
Financials	17.29	-0.87			
Health Care	10.34	0.04			
Industrials	11.51	-1.54			
Information Technology	17.12	3.34			
Materials	5.68	-3.42			
Real Estate	3.64	-3.68			
Telecommunication Services	2.61	-5.36			
Utilities	2.76	-1.05			
Unclassified	0.01	-0.97			
Attribution Total	96.73	-0.82			
Cash	1.30				
Bond	0.08				
Other	0.04				
Missing Performance	1.84				
Total	100.00				

Region Attribution (Quarter)

	Portfolio Weights	Benchmark Weights	Portfolio Return	Benchmark Return	Allocation Effect	Selection Effect	Active Return
Africa	0.82		-2.05				
Asia - Developed	4.31		1.45				
Asia - Emerging	5.18		-1.30				
Australasia	2.23		-5.00				
Canada	2.99		-7.15				
Europe - Emerging	0.53		6.29				
Europe - ex Euro	4.37		-2.60				
Eurozone	9.74		-0.30				
Japan	8.23		1.05				
Latin America	1.37		7.58				
Middle East	0.32		-0.97				
United Kingdom	5.69		-3.78				
United States	50.96		-0.57				
Unclassified	0.00		-5.30				
Attribution Total	96.73		-0.82				
Cash	1.30						
Bond	0.08						
Other	0.04						
Missing Performance	1.84						
Total	100.00						

Tencent Holdings Ltd

Source: Morningstar



0.55

0.49

VANGUARD TOTAL WORLD STOCK INDEX I

Risk & Return Characteristics (5 Years) Risk & Return Illustration (5 Years) Time Period: 4/1/2013 to 3/31/2018 Time Period: 4/1/2013 to 3/31/2018 Vanguard Total World Stock Index I Fund Index 12.0 R2 99.8 100.0 A FTSE Global All Cap TR USD 10.0 Alpha -0.1 0.0 8.0 Beta 1.0 1.0 Std Dev 8.2 8.3 6.0 Up Capture Ratio 98.0 100.0 4.0 100.0 Down Capture Ratio 98.8 2.0 1.1 Sharpe Ratio (geo) 1.1 Information Ratio (geo) -0.5 0.0 æ 8.0 10.0 0.0 2.0 4.0 6.0 Tracking Error 0.4 0.0 Correlation 1.0 1.0 Std Dev Rolling Returns (3 Years) Rolling Risk (3 Years) Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile Top Quartile 2nd Quartile 3rd Quartile Bottom Quartile 15.0 14.0 12.0 10.0 10.0 5.0 8.0 0.0 6.0 Std Dev 01 02 03 04 05 06 07 08 09 10 11 12 01 02 03 04 05 06 07 08 09 10 11 12 01 02 03 01 02 03 04 05 06 07 08 09 10 11 12 01 02 03 04 05 06 07 08 09 10 11 12 01 02 03 2017 2018 2017 2018 -Vanguard Total World Stock Index I -FTSE Global All Cap TR USD -Vanguard Total World Stock Index I -FTSE Global All Cap TR USD Calendar Year Returns 2008 Rank 2009 2011 Rank 2012 Rank 2010 Rank Rank 2013 Rank 2014 Rank 2015 Rank 2016 Rank 2017 Rank Vanguard Total World Stock Index I 33.7 13.1 -7.7 17.4 23.0 63 4.0 -1.9 8.8 18 24.2 FTSE Global All Cap TR USD -42.2 37.5 14.8 -7.6 17.2 23.9 4.5 -1.7 9.0 24.4



Source: Morningstar

APPENDIX

NEPC, LLC —

GLOSSARY OF TERMS

Alpha - Measures the relationship between the fund performance and the performance of another fund or benchmark index and equals the excess return while the other fund or benchmark index is zero.

Alpha Jensen - The average return on a portfolio over and above that predicted by the capital asset pricing model (CAPM), given the portfolio's beta and the average market return. Also known as the abnormal return or the risk adjusted excess return.

Annualized Excess Return over Benchmark - Annualized fund return minus the annualized benchmark return for the calculated return.

Annualized Return - A statistical technique whereby returns covering periods greater than one year are converted to cover a 12 month time span.

Beta - Measures the volatility or systematic risk and is equal to the change in the fund's performance in relation to the change in the assigned index's performance.

Information Ratio - A measure of the risk adjusted return of a financial security, asset, or portfolio.

Formula:

(Annualized Return of Portfolio - Annualized Return of Benchmark)/Annualized Standard Deviation(Period Portfolio Return - Period Benchmark Return). To annualize standard deviation, multiply the deviation by the square root of the number of periods per year where monthly returns per year equals 12 and quarterly returns is four periods per year.

R-Squared – Represents the percentage of a fund's movements that can be explained by movements in an index. R-Squared values range from 0 to 100. An R-Squared of 100 denotes that all movements of a fund are completely explained by movements in the index.

Sharpe Ratio - A measure of the excess return or risk premium per unit of risk in an investment asset or trading strategy.

Sortino Ratio - A method to differentiate between good and bad volatility in the Sharpe Ratio. The differentiation of up and down volatility allows the calculation to provide a risk adjusted measure of a security or fund's performance without upward price change penalties.

Formula:

Calculation Average (X-Y)/Downside Deviation (X-Y) * 2Where X=Return Series X Y = Return Series Y which is the risk free return (91 day T-bills) **Standard Deviation** - The standard deviation is a statistical term that describes the distribution of results. It is a commonly used measure of volatility of returns of a portfolio, asset class, or security. The higher the standard deviation the more volatile the returns are.

Formula:

(Annualized Return of Portfolio – Annualized Return of Risk Free) / Annualized Standard Deviation (Portfolio Returns)

Tracking Error - Tracking error, also known as residual risk, is a measure of the degree to which a portfolio tracks its benchmark. It is also a measure of consistency of excess returns. Tracking error is computed as the annualized standard deviation of the difference between a portfolio's return and that of its benchmark.

Formula:

Tracking Error = Standard Deviation $(X-Y) * \sqrt{(\# of periods per year)}$ Where X = periods portfolio return and <math>Y = the period's benchmark returnFor monthly returns, the periods per year = 12 For quarterly returns, the periods per year = 4

Treynor Ratio - A risk-adjusted measure of return based on systematic risk. Similar to the Sharpe ratio with the difference being the Treynor ratio uses beta as the measurement of volatility.

Formula:

(Portfolio Average Return - Average Return of Risk-Free Rate)/Portfolio Beta

Up/Down Capture Ratio - A measure of what percentage of a market's returns is "captured" by a portfolio. For example, if the market declines 10% over some period, and the manager declines only 9%, then his or her capture ratio is 90%. In down markets, it is advantageous for a manager to have as low a capture ratio as possible. For up markets, the higher the capture ratio the better. Looking at capture ratios can provide insight into how a manager achieves excess returns. A value manager might typically have a lower capture ratio in both up and down markets, achieving excess returns by protecting on the downside, whereas a growth manager might fall more than the overall market in down markets, but achieve above-market returns in a rising market.

UpsideCapture = TotalReturn(FundReturns)/TotalReturns(BMReturn) when Period Benchmark Return is > = 0

DownsideCapture = TotalReturn(FundReturns)/TotalReturns(BMReturn) when Benchmark < 0

Data Source: InvestorForce



INFORMATION DISCLAIMER AND REPORTING METHODOLOGY

Information Disclaimer

- Past performance is no guarantee of future results.
- All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.
- Some index returns displayed in this report or used in calculation of a policy, allocation or custom benchmark may not be available from the source or may be preliminary and subject to change.
- NEPC's source for portfolio pricing, calculation of accruals, and transaction information is the plan's custodial bank.
 Information on market indices and security characteristics is received from other sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
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Reporting Methodology

- The client's custodian bank is NEPC's preferred data source unless otherwise directed. NEPC reconciles custodian data to manager data. If the custodian cannot provide accurate data, manager data may be used.
- Trailing time period returns are determined by geometrically linking the holding period returns, from the first full month after inception to the report date. Rates of Return are annualized when the time period is longer than a year. Performance is presented gross and/or net of manager fees as indicated on each page.
- For managers funded in the middle of a month, the "since inception" return will start with the first full month, although actual inception dates and cash flows are taken into account in all Composite calculations.
- This report may contain forward-looking statements that are based on NEPC's estimates, opinions and beliefs, but NEPC
 cannot quarantee that any plan will achieve its targeted return or meet other goals.





AGENDA ITEM SUMMARY

1. NAME OF ITEM: Updated Investment Policy Statements

2. INITIATED BY: Kelly Martin, Chair

3. BOARD INFORMATION: BOARD ACTION: X

4. OUTCOME: BOARD POLICY:

Primary Outcomes: Section 709 - Investments

Enhance fiscal positioning

5. BACKGROUND:

NEPC and Staff have reviewed and updated the Investment Policy Statements (IPS) for the Managed Investment Pool and Defined Benefit Pension Fund. The policies, using tracking changes, are enclosed for your review and approval. Updates include changes related to asset allocations.

6. TEXT OF PROPOSED RESOLUTION:

That the Board of Trustees, acting through the Investment Committee, approves the updated Investment Policy Statements for the Managed Investment Pool and Defined Benefit Pension Fund.

University of Maine System
Executive Summary - Investment Guidelines and Objectives
Managed Investment Pool (Including Endowments)
Approved by Investment Committee May 15 June 14, 20187

Minimum Long Term Return Assumption: 7.50%

Risk Tolerance: Moderate

FY17 and FY18 Spending Policy 4.50%¹

Asset Allocation:

71000t 711100ation.		PERMISSIBLE	TARGET
ASSET CLASS	TARGET %	RANGE %	BENCHMARK
Equity	45%	35 - 55%	
Domestic Large Cap	16	11 <u>10</u> - 21 <u>20</u>	S&P 500
Domestic Small/Mid Cap	6	0 - 9 10	Russell 2500
International	11 12.5	6 - 16	MSCI EAFE
International Small Cap	5 3.5	$0 - \frac{107}{100}$	MSCI EAFE SC
Emerging	7	0 - 10	MSCI EM
Fixed Income	18 21%	13 <u>13</u> - 23 29%	
Domestic Core	5	0 - 10	Barclays Capital Aggregate
Bank Loans	5	0 - 10	Credit Suisse Leveraged Loan
TIPS	8	3 – 13	Barclays US TIPS
Absolute Return Fixed Income	8 <u>3</u>	<u>0 - 6</u>	3 Month Libor
Other	37 34%	2 <u>47</u> - 4 <u>47</u> %	
Global Asset Allocation	23	16 - 30	65% MSCI All Country World (net)/ 35% Barclays Capital Global Aggregate
Real Assets	3	0 - 6	NCREIF Timberland
Hedge Funds	9 6	6 -0 - 12 10	HFRI Fund of Funds Composite
rioago i anao	0 <u>0</u>	0 <u>0</u> 12 <u>10</u>	Index
Private Equity	2	0 - 5	Cambridge Private Equity 1 Quarter Lag
Cash	0%	0 - 10%	

Evaluation Benchmarks:

Total return for the Pool shall be regularly compared to the Allocation Index* and the Policy Index**. While it is anticipated that there will be fluctuations in the Pool's value, the Pool assets should at a minimum produce a nominal long-term rate of return of 7.50%.

The investment performance of money managers shall be measured against the investment performance of other managers with similar investment styles (e.g., Large cap growth equity manager against other large cap growth managers). Furthermore, investment performance will also be measured against an appropriate index benchmark (e.g., small cap equity managers will be measured against the Russell 2000 Index).

*Allocation Index: Calculated by taking the actual asset class weights, at the previous month end, multiplied by the return of the respective passive benchmark over the current month. Measures the effectiveness of deviating from target weights.

¹ 4.5% spending rate for fiscal year 2019 supported by the Investment Committeewas approved by the Board of Trustees at their January 29, 2018 meeting for fiscal year 20189. Of this rate, 125 basis points is charged (unless expressly prohibited by the donor) for management and administration by the University of Maine and the University of Southern Maine while UMS Governance and University Services charges 25 basis points. Such fees are charged on each entity's respective endowments only. The resulting endowment distribution rate for FY20189 of is \$15.1336614.95787 per share was approved by the UMS Board of Trustees at their March 27, 2017 January 29, 2018 meeting. The FY178 spending rate was also 4.5% equating to a rate per share of \$14.7833815.13366.

**Policy Index: Calculated by taking the target asset class weights times the return of the respective passive benchmark (calculated monthly). Measures the effectiveness of Pool Structure.

University of Maine System
Investment Guidelines and Objectives
Managed Investment Pool (Including Endowments)
Approved by Investment Committee May 15June 14, 20187

INTRODUCTION

This statement of Investment Guidelines and Objectives was developed to assist the University of Maine System (UMS) in carrying out its fiduciary responsibilities related to funds held for others and for the conservation and use of the assets of the Endowment Fund.

The System uses a pooled investment approach. The Managed Investment Pool (The "Pool") includes the following four components:

- Endowments of the University of Maine System (except where the donor requires the funds to be separately invested) and endowments for:
 - University of Maine at Fort Kent Foundation,
 - o University of Southern Maine Foundation,
 - o John L. Martin Scholarship Fund, Inc.,
- The University of Maine School of Law Foundation,
- The UMS Other Post Employment Benefit (OPEB) Trust, and
- Maine Maritime Academy endowments.

These guidelines are issued for the guidance of fiduciaries and other interested parties, including the Investment Committee of the Board of Trustees (the Committee), investment managers, internal management, third party investors, and consultants in the course of investing the assets of the Pool. The guidelines may be amended by the Committee both upon their own initiative and upon consideration of the advice and recommendations of the investment managers and fund professionals. Proposed modifications should be documented in writing to the Committee.

To this end, the investment guidelines will:

- Establish formal but flexible investment parameters that incorporate prudent asset allocation and achievable total return goals.
- Outline the investment responsibilities of the Committee, the investment managers, the custodian, and the investment consultant.
- Provide a mechanism for regular communication between UMS and all parties with responsibility for fund investments.

The investment goals and objectives for the Managed Investment Pool and hence investment decisions, are determined for the benefit of the UMS. The Pool is operated under the guidelines set forth herein and applicable laws.

It is expected that these guidelines will be reviewed at least annually to ensure that it continues to provide effective guidelines for the management of the Pool.

ENDOWMENT FUNDS

The UMS Endowment Fund has been established in order to support the operations of the institution.

Spending Policy (Approved by BOT Investment Committee effective for distributions beginning in FY2010)

For budget purposes, the annual spending amount is calculated using a 3-year market value average with a % spending rate applied. The Committee will annually approve the endowment spending rate and resulting distribution amount per share.

THIRD PARTY INVESTORS

The University may allow affiliated or non-affiliated organizations to invest in the Pool if in its judgment the acceptance of assets of a particular entity by the Pool can be said to further public higher education in Maine and to serve the educational needs of citizens of Maine. Such criteria is consistent with the purpose of UMS as broadly stated in its charter "to maintain and support a cohesive structure of public higher education in the State of Maine..." and with the Board's duty to "[p]lan strategies for programs and allocation of resources that most effectively serve the educational needs of the citizens of this State."

Any entity permitted to invest in the Pool must agree to the terms and conditions specified in the University of Maine System Managed Investment Pool Custodial and Investment Agreement. Assets accepted for investment by the Pool from outside the UMS typically will be assets of the general endowment fund or other funds of a charitable organization but may also be other funds as described in the sub-paragraphs of section 3(c)(10)(B) of the Investment Company Act of 1940.

Notwithstanding investment by third parties in the Pool, the investment goals and objectives of the Pool are determined for the benefit of the UMS and, as a result, the investment interests and decisions of the Pool on behalf of UMS may not always coincide with those of third party investors.

STATEMENT OF GOALS AND OBJECTIVES

The statement of Investment Guidelines and Objectives is set forth to provide an appropriate set of goals and objectives for the Pool's assets and to define guidelines within which the investment managers may formulate and execute their investment decisions.

Within the specific guidelines presented below, the investment managers shall exercise full investment discretion. However, assets must be managed with the care, skill, prudence and diligence that a prudent investment professional in similar circumstances would exercise. Investment practices must comply with the applicable laws and regulations.

By agreeing to manage assets on behalf of the Pool, an investment manager accepts the provisions of this Statement applicable to such investment manager and assets being managed by such investment manager.

The Pool's primary investment goals are outlined below:

- Maximum total return, consistent with prudent investment management, is the primary goal of the Pool. Return, as used herein, includes income plus realized and unrealized gains and losses on Pool assets. In addition, assets of the Pool shall be invested to ensure that principal is preserved and enhanced over time, both in real and nominal terms.
- Total return for the Pool shall be regularly compared to the Allocation Index and the Policy Index. While it is anticipated that there will be fluctuations in the Pool's value, the Pool assets should at a minimum produce a nominal long-term rate of return of 7.5%, net of all expenses.

- Total portfolio risk exposure and risk-adjusted returns will be regularly evaluated and compared with other Endowments, the Allocation Index, and the Policy Index. Riskadjusted returns for the Pool and for individual managers are expected to consistently rank in the top third of comparable funds or managers, respectively.
- 4. Performance of this Pool will be evaluated on a regular basis. Consideration will be given to the degree to which performance results meet the goals and objectives as herewith set forth. Normally, results are evaluated over a full market cycle, but shorter-term results will be regularly reviewed and earlier action taken if in the best interest of the Pool.
- 5. Companies that include environmental, social and governance (ESG) factors into their decision making process may benefit from improved long term value creation. As a result, the Committee will consider ESG principles and incorporate ESG analysis into investment decisions such as asset allocation and manager selection.

INVESTMENT GUIDELINES

Asset Allocation

The Pool will be diversified both by asset class (e.g. equities, bonds, cash equivalents, foreign securities) and within asset classes (e.g., by country, economic sector, industry, quality, and size). The purpose of diversification is to minimize unsystematic risk, and to provide reasonable assurance that no single security or class of securities will have a disproportionate impact on the total Pool.

In order to have a reasonable probability of consistently achieving the Pool's return objectives, the Committee has adopted the asset allocation policy outlined below.

If any asset class weighting is outside its respective permissible range at the end of any calendar quarter, the Investment Consultant will advise the Committee at the next Committee meeting. In addition, University of Maine System Staff will bring the portfolio into compliance with these guidelines as promptly and prudently as possible.

ASSET CLASS	TARGET %	PERMISSIBLE RANGE %	TARGET BENCHMARK
Equity Domestic Large Cap Domestic Small/Mid Cap International International Small Cap Emerging	45% 16 6 12.5 3.5 7	35 - 55% 10 - 20 0 - 10 6 - 16 0 - 7 0 - 10	S&P 500 Russell 2500 MSCI EAFE MSCI EAFE SC MSCI EM
Fixed Income Domestic Core Bank Loans TIPS Absolute Return Fixed Income	21% 5 5 8 3	13 - 29% 0 - 10 0 - 10 3 - 13 0 - 6	Barclays Capital Aggregate Credit Suisse Leveraged Loan Barclays US TIPS 3 Month Libor
Other Global Asset Allocation	34% 23	<u>24 - 44%</u> <u>16 - 30</u>	65% MSCI All Country World (net)/ 35% Barclays Capital Global Aggregate
Real Assets Hedge Funds	<u>3</u> <u>6</u>	<u>0 - 6</u> <u>0 - 10</u>	NCREIF Timberland HFRI Fund of Funds Composite Index
Private Equity	<u>2</u>	<u>0 - 5</u>	Cambridge Private Equity 1 Quarter Lag

<u>Cash</u> <u>0%</u> <u>0 - 10%</u>

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Equities

Risk: Return objectives should be achieved without assuming undue risk. The risk (as measured by the standard deviation of returns) and the risk-adjusted return of this portfolio will be compared to the same measures for an appropriate universe of Equity managers and that of the appropriate index.

Diversification: No more than 6% at cost and 8% of the equity portfolio's market value may be invested in one company. Deviations from this policy are allowed upon specific approval from the Committee. Care and consideration should be taken to ensure that the entire equity portfolio is adequately diversified by individual holdings and sector weights.

Use of Cash: The manager is expected to be fully invested in equities. This notwithstanding, the Committee understands that some liquidity in the portfolio is necessary to facilitate trading, and does not place an explicit restriction on the holding of cash equivalents. The custodian bank's short term investment fund (STIF) is an allowed investment, as are other cash equivalents, provided they carry a Standard and Poor's rating of at least A-1 or an equivalent rating.

Fixed Income

Risk: Return objectives should be achieved without assuming undue risk. The risk (as measured by the standard deviation of returns) and the risk-adjusted return of this portfolio will be compared to the same measures for an appropriate universe of Fixed Income managers and that of the appropriate index.

Diversification: The securities of any issuer, excepting the U.S. government and U.S. government agencies, shall not constitute more than 5% of the portfolio at any time. Up to 10% of the Pool may be invested in international bonds and currency exposure may be hedged or unhedged at the manager's discretion.

Duration: The average effective duration of the fixed income portfolio may not differ by more than one year from the duration of the applicable benchmark. For example, a core bond fund will be evaluated against the Barclays Capital Aggregate index.

Quality: The overall quality rating of fixed income portfolio will be at least one full quality rating within the applicable benchmarks quality rating as rated by Standard and Poor's (or equivalent). For example, if the Barclays Capital Aggregate has a credit rating of AA, a core bond fund should fall in the range of A to AAA.

Use of Cash: The manager is expected to be fully invested in fixed income securities. The custodian bank STIF is an allowed investment, as are other cash equivalents, provided they carry a Standard and Poor's rating of at least A-1 or an equivalent rating.

Other Asset Classes, Strategies, and Investment Managers

From time to time the Committee may make additional diversifying investments in other asset classes or securities such as, Real Estate, Timber, Commodities, Private Equity and Hedge Funds. The Committee shall approve any such investment prior to implementation and shall restrict these investments to specific investment managers.

Hedge Funds

Investments in hedge funds are permitted. Hedge funds represent a broad set of mandates and strategies that focus primarily on the liquid equity, fixed income and derivatives markets, but they may also include allocations, to a smaller extent, to investments that are less liquid. These mandates may employ long strategies, short selling and derivatives to protect against market downturns and/or profits from anticipated market movements.

The primary objective of these strategies is to provide positive absolute return throughout a market cycle (cash return + incremental spread), as well as provide increased diversification to the portfolio.

Each investment should fall within the expected risk and return characteristics historically displayed by domestic fixed income and public domestic equity investments. Leverage may be employed provided the risk of the portfolio remains within the target guidelines.

Hedge Fund Guidelines

- Diversification investments should be made through diversified hedge fund programs.
- Liquidity initial lock-up periods should not exceed one year; subsequent allowable redemption periods should not be less frequent than annual.
- Transparency investments should be made only in funds that provide adequate transparency to the underlying securities/funds held by the fund.
- Leverage funds may employ reasonable amounts of leverage (except for at the fund level as described in the excluded investments section) to the extent they adhere to targeted risk/return objectives.
- Correlation funds added to the Pool in this asset class should exhibit low correlation with traditional stock and bond indices
- Reporting investments may only be made in funds that adhere to strict reporting guidelines that fall within that required by the Pool.

Excluded Investments

Certain investments are ineligible for inclusion within this Pool:

- UBTI investments in transactions that would generate unrelated business taxable income ("UBTI") to the Pool
- Prohibited transactions investments or transactions that would be non-exempt prohibited transactions under Section 406 of ERISA or Section 4975 of the Internal Revenue Code.
- Self-dealing securities of the investment manager, their parent or subsidiary companies (excluding money market funds) or any other security that could be considered a self-dealing transaction.
- Leverage when investing in fund of hedge funds (FOHF), the manager may not employ leverage at the master fund level
- Unrelated Speculation derivatives shall not be used to create exposures to securities, currencies, indices, or any other financial vehicle unless such exposures would be allowed by a portfolio's investment guidelines if created with non-derivative securities
- Coal Companies separate account managers shall not invest in coal companies.

Derivatives

Where appropriate, investment managers may use derivative securities for the following reasons:

- Hedging. To the extent that the portfolio is exposed to clearly defined risks and there are derivative contracts that can be used to reduce those risks, the investment managers are permitted to use such derivatives for hedging purposes, including cross-hedging of currency exposures.
- Creation of Market Exposures. Investment managers are permitted to use derivatives to replicate the risk/return profile of an asset or asset class provided that the guidelines for the investment manager allow for such exposures to be created with the underlying assets themselves.
- Management of Country and Asset Allocation Exposure. Managers charged with tactically
 changing the exposure of their portfolio to different countries and/or asset classes are
 permitted to use derivative contracts for this purpose.

By way of amplification, it is noted that the following two uses of derivatives are prohibited unless approved by the Committee:

- Leverage. Derivatives shall not be used to magnify overall portfolio exposure to an
 asset, asset class, interest rate, or any other financial vehicle beyond that which would
 be allowed by a portfolio's investment guidelines if derivatives were not used.
- Unrelated Speculation. Derivatives shall not be used to create exposures to securities, currencies, indices, or any other financial vehicle unless such exposures would be allowed by a portfolio's investment guidelines if created with non-derivative securities.

Commingled Funds

The Committee may elect to invest assets of the Pool in commingled funds, in recognition of the benefits of commingled funds as investment vehicles (i.e., the ability to diversify more extensively than in a small, direct investment account and the lower costs which can be associated with these funds). The Committee recognizes that they may not be permitted to give specific policy directives to a fund whose policies are already established; therefore, the Committee is relying on the Investment Consultant to assess and monitor the investment policies of such funds to ascertain whether they are appropriate.

Distributions

Investment managers should assume that withdrawals may be made from the Pool from time to time by the University of Maine System. Appropriate liquidity should be maintained to fund these withdrawals without impairing the investment process. The Committee or the designated representatives shall alert investment managers to anticipate liquidity needs of the Pool.

PERFORMANCE STANDARDS AND EVALUATION

Investment managers are expected to achieve the performance objectives that have been agreed to prior to engagement, by investing in those assets they were engaged to invest in. Performance comparisons will be made on a net of fees and risk-adjusted basis. Manager performance will be periodically reviewed to ensure compliance with these standards.

The investment performance of money managers shall be measured (e.g., total return and risk adjusted return) against the investment performance of other managers with similar investment styles (e.g., Large cap growth equity manager against other large cap growth managers). Furthermore, investment performance will also be measured (e.g., total return and risk adjusted return) against an appropriate index benchmark (e.g., small cap equity managers will be measured against the Russell 2000 Index).

Performance reports shall be compiled quarterly and communicated to the Committee for review. Consideration shall be given to the extent to which the investment results are consistent with the investment objectives, goals, risk and guidelines as set forth in this statement. The Committee intends to evaluate individual manager performance over a complete market cycle, but reserves the right to terminate a manager for any reason including the following:

- Investment performance that is significantly less than anticipated given the discipline employed and the risk parameters established, or unacceptable justification of poor results.
- Investing in asset classes other than the asset classes for which the manager was engaged.
- Failure to adhere to any aspect of this statement of investment policy, including communication and reporting requirements.
- 4. Significant qualitative changes to the investment management organization.

Investment managers will be reviewed regularly regarding performance, personnel, strategy, research capabilities, organizational and business matters, and other qualitative factors that may impact their ability to achieve the desired investment results.

RESPONSIBILITIES

Investment Committee

The Committee acknowledges its fiduciary responsibility for the conservation and prudent management of the funds. More specifically, its responsibilities include:

Compliance: To comply with the provisions of all pertinent federal and state regulations and rulings.

Standards: To develop investment objectives, asset allocation targets, investment guidelines, and performance measurement standards which are consistent with the needs of the funds.

Appointments: To evaluate and appoint investment managers to invest and manage fund assets. In addition, to appoint custodians and investment consultants.

Communication: To communicate investment goals, objectives, and standards to investment managers, including any material changes that may subsequently occur.

Manager Funding: To deploy existing assets and new monies to investment managers.

Evaluation: To review and evaluate investment results in the context of established standards of performance and adherence to the investment guidelines.

Corrective Action: To take whatever action is deemed prudent and appropriate when the investment manager fails to meet mutually accepted performance standards or significantly violates the investment guidelines.

The University of Maine System staff will assist the Committee in carrying out their duties.

Investment Manager

In recognition of their role as fiduciaries of the funds, investment managers must assume the following responsibilities:

Investment Responsibility: To make all investment decisions with respect to the assets under its management. The investment managers pledge to invest only in those asset classes they were engaged to invest in. Investment managers are to make reasonable efforts to control risk, and will be evaluated regularly to ensure that the risk assumed is commensurate with the given investment style and objective.

Compliance: To comply with this statement and any other written instructions provided by the Committee. Furthermore, to comply with all federal and state regulations pertaining to the investment of such assets.

Trading: To comply with CFA Institute soft dollar standards. The investment manager recognizes that brokerage is the property of the client and that it has an ongoing duty to ensure the quality of transactions effected on behalf of its client. This includes, seeking to obtain best execution, minimizing transaction costs, and using client brokerage to benefit the client.

Voting of Proxies: Responsibility for the exercise of ownership rights through proxy voting shall rest solely with the investment managers, who shall exercise this responsibility strictly for the long-term economic benefit of the fund and beneficiaries. Additionally, investment managers shall maintain a written annual report of the proxy votes for all shares of stock in companies held in the fund's investment program. These reports shall specifically note and explain any instances where proxies were not voted in accordance with standing policy.

Notification of Changes: To inform the Committee of any material changes in the manager's outlook, policy, investment strategy and portfolio structure, or tactics or in the firm's structure including ownership, financial condition and changes in portfolio management personnel.

Reporting: To provide the Committee and to its investment consultant quarterly reports that provide the total return net of commissions and fees, additions and withdrawals from the account, current holdings at cost and market value, and purchases and sales for the quarter. All reports are to comply with Global Investment Performance Standard (GIPS) performance presentation standards.

Availability for Meetings: To meet at least annually or at other such times as the Committee may reasonably request to discuss investment outlook, performance, strategy and tactics, organizational and personnel changes, and other pertinent matters.

Bonding: The managers shall provide evidence of liability and fiduciary insurance and have its employees bonded unless otherwise exempted by law or governmental regulation.

ESG Consideration: Investment managers that incorporate ESG into their investment process should provide annual updates to the Committee regarding their process and impact. Investment managers that have a responsible investment policy and Principles for Responsible Investment (PRI) transparency report should provide the documents to the Committee. Additional ESG specific reports may also be required and requested by the Committee.

Custodian

In fulfillment of its fiduciary responsibilities, the Committee has appointed a custodian to administer some of the Pools' assets. The custodian has the responsibility to:

Custody Securities: Receive, hold, and manage the Pool assets.

Distributions: Make payments to the University of Maine System and to collect all interest and dividends.

Accounting: Keep accurate and detailed accounts of all investments, receipts, disbursements and other transactions.

Reporting: Provide a written account of all holdings and transactions on a monthly basis.

Bonding: The custodian shall provide evidence of liability and fiduciary insurance and have its employees bonded unless otherwise exempted by law or governmental regulation.

Investment Consultant

The consultant will provide the Committee with objective advice. The responsibilities include:

Reporting: Providing performance evaluation reports to the Committee on a quarterly basis. Reports will include absolute and relative performance of each of the investment managers and the total Pool. The consultant will utilize meaningful market indices for comparisons. Also, the consultant will provide specialty reporting and analysis of the overall program for portfolio risk.

Consulting: Providing proactive advice to the Committee on investment guidelines, asset allocation and manager structure. The consultant will also assist in the selection of new investment managers and in the termination of managers, alert the Committee of any adverse developments concerning the Pool and the performance of the managers, report on market trends and external change (market intelligence), and provide research materials and educational seminars on different asset types, or topics, as requested.

Availability for Meetings: Meeting at least quarterly for a formal performance review or at other such times as the Committee may reasonably request.

ESG Consideration: The consultant must be a signatory to the Principles for Responsible Investment, and take ESG factors into consideration when advising on asset allocation and manager selection.

CONFLICT OF INTEREST

It is the policy of the Committee to avoid conflicts of interest in its operations and in the selection of investment managers or funds. Therefore, members of the Committee shall not have a pecuniary relationship in any manager or fund being considered. No independent investment consultant retained by the Committee, or any entity, in which such consultant may have an interest, shall be a party to any transaction with, or have a financial or other interest in, any investment manager providing services to the Committee.

IMPLEMENTATION

All new monies received by investment manager(s) after the adoption of this statement of Investment Guidelines and Objectives shall conform to the Statement. To the extent that Pool assets are not currently managed in accordance with this Statement, the investment manager shall conform in all respects to this Statement within 60 days of its receipt hereof.

AMENDMENTS

The Committee may amend this Statement, subject to the approval of the Committee. The Committee, through the University of Maine System, also reserves the right to direct the investment managers to take any appropriate actions, whether or not consistent with this Statement, if market conditions, liquidity needs or other circumstances so indicate.

University of Maine System
Executive Summary - Investment Guidelines and Objectives
Non-Contributory Retirement Fund
Approved by Investment Committee May 15 June 14, 20187

Type of Plan: Defined Benefit Pension Plan

Minimum Long Term Return Assumption: 6.25%

Risk Tolerance: Low to Moderate

Asset Allocation:

ASSET CLASS	TARGET %	PERMISSIBLE RANGE %	TARGET BENCHMARK
Equity	22%	12 - 32%	
Domestic Large Cap	8	3 - 13	S&P 500
Domestic Small/Mid Cap	4	0 - 6	Russell 2000
International	7	2 - 12	MSCI EAFE
Emerging	3	0 - 5	MSCI EM
Fixed Income	32 35%	22 <u>25</u> - 42 <u>45</u> %	
Domestic Core	20	15 - 25	Barclays Capital Aggregate
Bank Loans	5	0 - 10	Credit Suisse Leveraged Loan
TIPS	7	2 – 12	Barclays US TIPS
Absolute Return Fixed Income	<u>3</u>	<u>0 - 6</u>	3 Month Libor
Other	43 40%	35 -30 - 50 5 %	
Global Asset Allocation	2 7. 5	20 - 35	65% MSCI All Country World (net)/ 35% Barclays Capital Global Aggregate
Real Estate	8	0 - 10	NCREIF ODCE
Hedge Funds	7.5 4.5	<u>5-0</u> - 10 9	HFRI Fund of Funds Composite Index
Cash	3%	0 - 10%	

Evaluation Benchmarks:

Total return for the Fund shall be regularly compared to the Allocation Index* and the Policy Index**. While it is anticipated that there will be fluctuations in the Fund's value, the Fund assets should at a minimum produce a nominal long-term rate of return of 6.25%.

The investment performance of money managers shall be measured against the investment performance of other managers with similar investment styles (e.g., Large cap growth equity manager against other large cap growth managers). Furthermore, investment performance will also be measured against an appropriate index benchmark (e.g., small cap equity managers will be measured against the Russell 2000 Index).

^{*}Allocation Index: Calculated by taking the actual asset class weights, at the previous month end, multiplied by the return of the respective passive benchmark over the current month. Measures the effectiveness of deviating from target weights.

^{**}Policy Index: Calculated by taking the target asset class weights times the return of the respective passive benchmark (calculated monthly). Measures the effectiveness of Fund Structure

University of Maine System Investment Guidelines and Objectives Non-Contributory Retirement Fund

Approved by Investment Committee May 15 June 14, 20187

INTRODUCTION

This statement of Investment Guidelines and Objectives was developed to assist the University of Maine System in carrying out its fiduciary responsibilities for the conservation and use of the assets of the Non-Contributory Retirement Fund.

The University of Maine System Non-Contributory Retirement Fund, (the "Fund") is a defined benefit pension fund that is intended to provide retirement benefits to participants in accordance with the benefit structure established by the University of Maine System Board of Trustees. The Fund is governed by the terms of its governing plan document and other applicable laws. The investments of the Fund will be made for the exclusive benefit of Plan participants and beneficiaries.

These guidelines are issued for the guidance of fiduciaries and other interested parties, including the Investment Committee of the Board of Trustees (the Committee), investment managers, internal management, and consultants in the course of investing the assets of the Fund. The guidelines may be amended by the Committee both upon their own initiative and upon consideration of the advice and recommendations of the investment managers and fund professionals. Proposed modifications should be documented in writing to the Committee.

To this end, the investment guidelines will:

- Establish formal but flexible investment parameters that incorporate prudent asset allocation and achievable total return goals.
- Outline the investment responsibilities of the Committee, the investment managers, the custodian, and the investment consultant.
- Provide a mechanism for regular communication between UMS and all parties with responsibility for fund investments.

It is expected that these guidelines will be reviewed at least annually to ensure that it continues to provide effective guidelines for the management of the Fund.

STATEMENT OF GOALS AND OBJECTIVES

The statement of Investment Guidelines and Objectives is set forth to provide an appropriate set of goals and objectives for the Fund's assets and to define guidelines within which the investment managers may formulate and execute their investment decisions.

Within the specific guidelines presented below, the investment managers shall exercise full investment discretion. However, assets must be managed with the care, skill, prudence and diligence that a prudent investment professional in similar circumstances would exercise. Investment practices must comply with the applicable laws and regulations.

By agreeing to manage assets on behalf of the Fund, an investment manager accepts the provisions of this Statement applicable to such investment manager and assets being managed by such investment manager.

The Fund's primary investment goals are outlined below:

- Maximum total return with a prudent level of risk, consistent with prudent investment
 management, is the primary goal of the Fund. Return, as used herein, includes income
 plus realized and unrealized gains and losses on Fund assets. In addition, assets of the
 Fund shall be invested to ensure that principal is preserved and enhanced over time, both
 in real and nominal terms.
- Total return for the Fund shall be regularly compared to the Allocation Index and the Policy Index. While it is anticipated that there will be fluctuations in the Fund's value, the Fund assets should at a minimum produce a nominal long-term rate of return of 6.25%, net of all expenses, in line with the Fund's actuarial return assumption.
- Total portfolio risk exposure and risk-adjusted returns will be regularly evaluated and compared with other Pension Plans, the Allocation Index, and the Policy Index. Riskadjusted returns for the Fund and for individual managers are expected to consistently rank in the top third of comparable funds or managers, respectively.
- 4. Performance of this Fund will be evaluated on a regular basis. Consideration will be given to the degree to which performance results meet the goals and objectives as herewith set forth. Normally, results are evaluated over a full market cycle, but shorter-term results will be regularly reviewed and earlier action taken if in the best interest of the Fund.

INVESTMENT GUIDELINES

Asset Allocation

The fund will be diversified both by asset class (e.g. equities, bonds, cash equivalents, foreign securities) and within asset classes (e.g., by country, economic sector, industry, quality, and size). The purpose of diversification is to minimize unsystematic risk, and to provide reasonable assurance that no single security or class of securities will have a disproportionate impact on the total fund.

In order to have a reasonable probability of consistently achieving the Fund's return objectives, the Committee has adopted the asset allocation policy outlined below.

If any asset class weighting is outside its respective permissible range at the end of any calendar quarter, the Investment Consultant will advise the Committee at the next Committee meeting. In addition, University of Maine System Staff will bring the portfolio into compliance with these guidelines as promptly and prudently as possible.

ASSET CLASS	TARGET %	PERMISSIBLE RANGE %	TARGET BENCHMARK
Equity Domestic Large Cap Domestic Small/Mid Cap International Emerging	22% 8 4 7 3	12 - 32% 3 - 13 0 - 6 2 - 12 0 - 5	S&P 500 Russell 2000 MSCI EAFE MSCI EM
<u>Fixed Income</u> <u>Domestic Core</u>	<u>35%</u> 20	25 - 45% 15 - 25	Barclays Capital
Bank Loans	<u>5</u>	<u>0 - 10</u>	Aggregate Credit Suisse
<u>TIPS</u>	7	<u>2 – 12</u>	<u>Leveraged Loan</u> <u>Barclays US TIPS</u>

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Absolute Return Fixed Income	<u>3</u>	<u>0 - 6</u>	3 Month Libor
Other Global Asset Allocation	40% 27.5	<u>30 - 50%</u> <u>20 - 35</u>	65% MSCI All Country World (net)/ 35% Barclays Capital
Real Estate Hedge Funds	<u>8</u> <u>4.5</u>	<u>0 - 10</u> <u>0 - 9</u>	Global Aggregate NCREIF ODCE HFRI Fund of Funds Composite Index
<u>Cash</u>	<u>3%</u>	<u>0 - 10%</u>	

				+	 Formatted Table
ASSET CLASS	TARGET %	PERMISSIBLE RANGE %	TARGET BENCHMARK		
Equity	22%	12 - 32%			
Domestic Large Cap	8	-3 - 13	S&P 500		
Domestic Small/Mid Cap	4	0 - 7	Russell 2000		
International	7	2 - 12	MSCI EAFE		
Emerging	3	0 - 5	MSCI EM		
Fixed Income	32%	22 - 42%		-	 Formatted Table
Domestic Core	20	15 - 25	Barclays Capital Aggregate		
Bank Loans	5	0 - 10	Credit Suisse Leveraged Loan		
TIPS	7	2 – 12	Barclays US TIPS		
Other	43%	35 - 55%		-	 Formatted Table
Global Asset Allocation	27.5	20 - 35	65% MSCI All Country World (net)/ 35% Barclays Capital Global Aggregate		
Real Estate	8	0 - 10	NCREIF ODCE		
Hedge Funds	7.5	5 - 10	HFRI Fund of Funds Composite Index		
Cash	3%	0 - 10%		-	 Formatted Table

Equities

Risk: Return objectives should be achieved without assuming undue risk. The risk (as measured by the standard deviation of returns) and the risk-adjusted return of this portfolio will be compared to the same measures for an appropriate universe of Equity managers and that of the appropriate index.

Diversification: No more than 5% at cost and 10% of the equity portfolio's market value may be invested in one company. The equity portfolio should be invested in at least 30 different companies in different industries. No more than 30% of the equity portfolio's market value may be invested in one industry sector.

Use of Cash: The manager is expected to be fully invested in equities. This notwithstanding, the Committee understands that some liquidity in the portfolio is necessary to facilitate trading, and does not place an explicit restriction on the holding of cash equivalents. The custodian bank's short term investment fund (STIF) is an allowed investment, as are other cash equivalents, provided they carry a Standard and Poor's rating of at least A-1 or an equivalent rating.

Fixed Income

Risk: Return objectives should be achieved without assuming undue risk. The risk (as measured by the standard deviation of returns) and the risk-adjusted return of this portfolio will be compared to the same measures for an appropriate universe of Fixed Income managers and that of the appropriate index.

Diversification: The securities of any issuer, excepting the U.S. government and U.S. government agencies, shall not constitute more than 5% of the portfolio at any time. Up to 10% of the fund may be invested in international bonds and currency exposure may be hedged or unhedged at the manager's discretion.

Duration: The average effective duration of the fixed income portfolio may not differ by more than one year from the duration of the applicable benchmark. For example, a core bond fund will be evaluated against the Barclays Capital Aggregate index.

Quality: The overall quality rating of fixed income portfolio will be at least one full quality rating within the applicable benchmarks quality rating as rated by Standard and Poor's (or equivalent). For example, if the Barclays Capital Aggregate has a credit rating of AA, a core bond fund should fall in the range of A to AAA.

Use of Cash: The manager is expected to be fully invested in fixed income securities. The custodian bank STIF is an allowed investment, as are other cash equivalents, provided they carry a Standard and Poor's rating of at least A-1 or an equivalent rating.

Other Asset Classes, Strategies, and Investment Managers

From time to time the Committee may make additional diversifying investments in other asset classes or securities such as, Real Estate, Commodities, and Hedge Funds. The Committee shall approve any such investment prior to implementation and shall restrict these investments to specific investment managers.

Hedge Funds

Investments in hedge funds are permitted. Hedge funds represent a broad set of mandates and strategies that focus primarily on the liquid equity, fixed income and derivatives markets, but they may also include allocations, to a smaller extent, to investments that are less liquid. These mandates may employ long strategies, short selling and derivatives to protect against market downturns and/or profits from anticipated market movements.

The primary objective of these strategies is to provide positive absolute return throughout a market cycle (cash return + incremental spread), as well as provide increased diversification to the portfolio.

Each investment should fall within the expected risk and return characteristics historically displayed by domestic fixed income and public domestic equity investments. Leverage may be employed provided the risk of the portfolio remains within the target guidelines.

Hedge Fund Guidelines

- Diversification investments should be made through diversified hedge fund programs.
- Liquidity initial lock-up periods should not exceed one year; subsequent allowable redemption periods should not be less frequent than annual.
- Transparency investments should be made only in funds that provide adequate transparency to the underlying securities/funds held by the fund.
- Leverage funds may employ reasonable amounts of leverage (except for at the fund level as described in the excluded investments section) to the extent they adhere to targeted risk/return objectives.
- Correlation funds added to the Fund in this asset class should exhibit low correlation with traditional stock and bond indices
- Reporting investments may only be made in funds that adhere to strict reporting
 quidelines that fall within that required by the Fund.

Excluded Investments

Certain investments are ineligible for inclusion within this Fund:

- UBTI investments in transactions that would generate unrelated business taxable income ("UBTI") to the Fund.
- Prohibited transactions investments or transactions that would be non-exempt prohibited transactions under Section 406 of ERISA or Section 4975 of the Internal Revenue Code.
- Self-dealing securities of the investment manager, their parent or subsidiary companies (excluding money market funds) or any other security that could be considered a self-dealing transaction.
- Leverage when investing in fund of hedge funds (FOHF), the manager may not employ leverage at the master fund level
- Unrelated Speculation derivatives shall not be used to create exposures to securities, currencies, indices, or any other financial vehicle unless such exposures would be allowed by a portfolio's investment guidelines if created with non-derivative securities.
- Coal Companies separate account managers shall not invest in coal companies.

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Where appropriate, investment managers may use derivative securities for the following reasons:

- Hedging. To the extent that the portfolio is exposed to clearly defined risks and there are derivative contracts that can be used to reduce those risks, the investment managers are permitted to use such derivatives for hedging purposes, including cross-hedging of currency exposures.
- Creation of Market Exposures. Investment managers are permitted to use derivatives to replicate the risk/return profile of an asset or asset class provided that the guidelines for the investment manager allow for such exposures to be created with the underlying assets themselves.
- Management of Country and Asset Allocation Exposure. Managers charged with tactically
 changing the exposure of their portfolio to different countries and/or asset classes are
 permitted to use derivative contracts for this purpose.

By way of amplification, it is noted that the following two uses of derivatives are prohibited unless approved by the Committee:

- Leverage. Derivatives shall not be used to magnify overall portfolio exposure to an asset, asset class, interest rate, or any other financial vehicle beyond that which would be allowed by a portfolio's investment guidelines if derivatives were not used.
- Unrelated Speculation. Derivatives shall not be used to create exposures to securities, currencies, indices, or any other financial vehicle unless such exposures would be allowed by a portfolio's investment guidelines if created with non-derivative securities.

Benefit Payments

Investment managers should assume that withdrawals may be made from the Fund from time to time to pay Plan benefits. Appropriate liquidity should be maintained to fund these

withdrawals without impairing the investment process. The Committee or the designated representatives shall alert investment managers to anticipate liquidity needs of the Fund.

Commingled Funds

The Committee may elect to invest assets of the Fund in commingled funds, in recognition of the benefits of commingled funds as investment vehicles (i.e., the ability to diversify more extensively than in a small, direct investment account and the lower costs which can be associated with these funds). The Committee recognizes that they may not be permitted to give specific policy directives to a fund whose policies are already established; therefore, the Committee is relying on the Investment Consultant to assess and monitor the investment policies of such funds to ascertain whether they are appropriate.

PERFORMANCE STANDARDS AND EVALUATION

Investment managers are expected to achieve the performance objectives that have been agreed to prior to engagement, by investing in those assets they were engaged to invest in. Performance comparisons will be made on a net of fees and risk-adjusted basis. Manager performance will be periodically reviewed to ensure compliance with these standards.

The investment performance of money managers shall be measured (e.g., total return and risk adjusted return) against the investment performance of other managers with similar investment styles (e.g., Large cap growth equity manager against other large cap growth managers). Furthermore, investment performance will also be measured (e.g., total return and risk adjusted return) against an appropriate index benchmark (e.g., small cap equity managers will be measured against the Russell 2000 Index).

Performance reports shall be compiled quarterly and communicated to the Committee for review. Consideration shall be given to the extent to which the investment results are consistent with the investment objectives, goals, risk and guidelines as set forth in this statement. The Committee intends to evaluate individual manager performance over a complete market cycle, but reserves the right to terminate a manager for any reason including the following:

- Investment performance that is significantly less than anticipated given the discipline employed and the risk parameters established, or unacceptable justification of poor results.
- Investing in asset classes other than the asset classes for which the manager was engaged.
- 3. Failure to adhere to any aspect of this statement of investment policy, including communication and reporting requirements.
- 4. Significant qualitative changes to the investment management organization.

Investment managers will be reviewed regularly regarding performance, personnel, strategy, research capabilities, organizational and business matters, and other qualitative factors that may impact their ability to achieve the desired investment results.

RESPONSIBILITIES

Investment Committee

The Committee acknowledges its fiduciary responsibility for the conservation and prudent management of the Fund. More specifically, its responsibilities include:

Compliance: To comply with the provisions of all pertinent federal and state regulations and rulings.

Standards: To develop investment objectives, asset allocation targets, investment guidelines, and performance measurement standards which are consistent with the needs of the funds.

Appointments: To evaluate and appoint investment managers to invest and manage fund assets. In addition, to appoint custodians and investment consultants.

Communication: To communicate investment goals, objectives, and standards to investment managers, including any material changes that may subsequently occur.

Manager Funding: To deploy existing assets and new monies to investment managers.

Evaluation: To review and evaluate investment results in the context of established standards of performance and adherence to the investment guidelines.

Corrective Action: To take whatever action is deemed prudent and appropriate when the investment manager fails to meet mutually accepted performance standards or significantly violates the investment guidelines.

The University of Maine System staff will assist the Committee in carrying out their duties.

Investment Manager

In recognition of their role as fiduciaries of the Fund, investment managers must assume the following responsibilities:

Investment Responsibility: To make all investment decisions with respect to the assets under its management. The investment managers pledge to invest only in those asset classes they were engaged to invest in. Investment managers are to make reasonable efforts to control risk, and will be evaluated regularly to ensure that the risk assumed is commensurate with the given investment style and objective.

Compliance: To comply with this statement and any other written instructions provided by the Committee. Furthermore, to comply with all federal and state regulations pertaining to the investment of such assets.

Trading: To comply with CFA Institute soft dollar standards. The investment manager recognizes that brokerage is the property of the client and that it has an ongoing duty to ensure the quality of transactions effected on behalf of its client. This includes, seeking to obtain best execution, minimizing transaction costs, and using client brokerage to benefit the client.

Voting of Proxies: Responsibility for the exercise of ownership rights through proxy voting shall rest solely with the investment managers, who shall exercise this responsibility strictly for the long-term economic benefit of the Fund, its participants and beneficiaries. Additionally, investment managers shall maintain a written annual report of the proxy votes for all shares of stock in companies held in the Fund's investment program. These reports shall specifically note and explain any instances where proxies were not voted in accordance with standing policy.

Notification of Changes: To inform the Committee of any material changes in the manager's outlook, policy, investment strategy and portfolio structure, or tactics or in the firm's structure including ownership, financial condition and changes in portfolio management personnel.

Reporting: To provide the Committee and to its investment consultant quarterly reports that provide the total return net of commissions and fees, additions and withdrawals from the account, current holdings at cost and market value, and purchases and sales for the quarter. All reports are to comply with Global Investment Performance Standard (GIPS) performance presentation standards.

Availability for Meetings: To meet at least annually or at other such times as the Committee may reasonably request to discuss investment outlook, performance, strategy and tactics, organizational and personnel changes, and other pertinent matters.

Bonding: The managers shall provide evidence of liability and fiduciary insurance and have its employees bonded unless otherwise exempted by law or governmental regulation.

Custodian

In fulfillment of its fiduciary responsibilities, the Committee has appointed a custodian to administer the funds' assets. The custodian has the responsibility to:

Custody Securities: Receive, hold, and manage the fund assets.

Distributions: Make payments to the plan's beneficiaries and to collect all interest and dividends.

Accounting: Keep accurate and detailed accounts of all investments, receipts, disbursements and other transactions.

Reporting: Provide a written account of all holdings and transactions on a monthly basis.

Bonding: The custodian shall provide evidence of liability and fiduciary insurance and have its employees bonded unless otherwise exempted by law or governmental regulation.

Investment Consultant

The consultant will provide the Committee with objective advice. The responsibilities include:

Reporting: Providing performance evaluation reports to the Committee on a quarterly basis. Reports will include absolute and relative performance of each of the investment managers and the total Pool. The consultant will utilize meaningful market indices for comparisons. Also, the consultant will provide specialty reporting and analysis of the overall program for portfolio risk.

Consulting: Providing proactive advice to the Committee on investment guidelines, asset allocation and manager structure. The consultant will also assist in the selection of new investment managers and in the termination of managers, alert the Committee of any adverse developments concerning the Fund and the performance of the managers, report on market trends and external change (market intelligence), and provide research materials and educational seminars on different asset types, or topics, as requested.

Availability for Meetings: To meet at last quarterly for a formal performance review or at other such times as the Committee may reasonably request.

CONFLICT OF INTEREST

It is the policy of the Committee to avoid conflicts of interest in its operations and in the selection of investment managers or funds. Therefore, members of the Committee shall not have a pecuniary relationship in any manager or fund being considered. No independent investment consultant retained by the Committee, or any entity, in which such consultant may have an interest, shall be a party to any transaction with, or have a financial or other interest in, any investment manager providing services to the Committee.

IMPLEMENTATION

All new monies received by investment manager(s) after the adoption of this statement of Guidelines and Objectives shall conform to the Statement. To the extent that Fund assets are not currently managed in accordance with this Statement, the investment manager shall conform in all respects to this Statement within 60 days of its receipt hereof.

AMENDMENTS

The Committee may amend this Statement, subject to the approval of the Committee. The Committee, through the University of Maine System, also reserves the right to direct the investment managers to take any appropriate actions, whether or not consistent with this Statement, if market conditions, liquidity needs or other circumstances so indicate.



AGENDA ITEM SUMMARY

1. NAME OF ITEM: Bank Loan Recommendation

2. INITIATED BY: Kelly Martin, Chair

3. BOARD INFORMATION: BOARD ACTION: X

4. OUTCOME: BOARD POLICY:

Primary Outcomes: Section 709 - Investments

Enhance fiscal positioning

5. BACKGROUND:

In April 2018, NEPC elevated Guggenheim Investments, a bank loan manager in the MIP and Pension, to a due diligence status of "Client Review". The University of Maine System hired Guggenheim back in May 2017. Given Guggenheim's due diligence status, NEPC recommends discussing the situation at the June 14, 2018 meeting and reviewing an alternative bank loan manager. At the time Guggenheim was selected, the Committee had also interviewed Bain Capital and determined that either Bain or Guggenheim would be a good selection for the bank loan allocation.

The Committee will again interview Bain by polycom at its June meeting. The manager will present for 45 minutes on their firm, investment process and philosophy and performance. Bain attendees include:

- o Jon DeSimone, Managing Director and Portfolio Manager
- o Alex Dauria, Vice President, Investor Relations

A summary comparing the two managers and highlights regarding Bain Capital and their Liquid Senior Loan Strategy are included for the Committee's consideration.

5. TEXT OF PROPOSED RESOLUTION:

That the Board of Trustees, acting through the Investment Committee, approves retaining Guggenheim Investments or selecting Bain Capital for the following allocations:

- 1) A 5.0% policy allocation in the MIP (currently estimated at \$15,700,000)
- 2) A 5.0% policy allocation in the Pension Fund (currently estimated at \$1,500,000)

6/1/2018

BANK LOAN MANAGER DISCUSSION



UNIVERSITY OF MAINE SYSTEM

June 14, 2018

Jay E. Roney, Partner Kelly Regan, Senior Consultant



BOSTON | ATLANTA | CHARLOTTE | CHICAGO | DETROIT | LAS VEGAS | PORTLAND | SAN FRANCISCO

MANAGER OVERVIEW

Firm/Product	Firm/Team Comments	Investment Style/Strategy	Performance Expectations	Portfolio Positioning	Other Comments
Bank Loans					
Bain - Senior Loans ex. CLO		A diversified, bottom-up fundamental bank loan strategy with flexibility to invest across capital structure and geographies.	Strategy should outperform the broad bank loan market with less volatility.	Strategy can invest in high yield bonds and a limited amount of distressed and stressed credits. Will take material non-US positions.	
Guggenheim - US Bank Loans	Guggenheim employs a large team of attorneys that are fully integrated into the investment process	Focused on middle-market issuers and avoids the higher-beta larger issuers. Some out-of-benchmark investments in originated loans, club deals, second liens, and Non-US	strategy, but high alpha expectations coming from better security selection and	Dedicated bank loan or high yield manager. Ability to combine bank loans with high yield bonds	Strong investment thesis

Firm/Product	NEPC Investment Thesis
Bank Loans	
Bain - Senior Loans ex. CLO	Bain Capital Credit enjoys a competitive advantage in the bank loan space due to their experienced management team and breadth of issuer coverage conducted by a large industry research group. With an investment team of nearly 100 individuals, Bain is able to analyze a greater number of companies and credits than peers. This coverage breadth will lead to investment opportunities in issues that fall outside of the large, liquid flow names, which often offer attractive return potential for little or no additional risk. Furthermore, as an affiliate of a well-known and successful private equity firm, the strategy is able to leverage relationships and contacts of the Bain investment team to gain valuable insights.
Guggenheim - US Bank Loans	Guggenheim is a firm with one foot in public debt markets and the other foot in private debt markets. The information flow from both areas (private debt, mezzanine financing, DIP, and public issuance) provides access to deal flow and an information advantage in secondary markets, particularly in middle-markets, where Guggenheim prefers to operate. Guggenheim tends to avoid the largest bank loan issuers as they believe this is not an area where they can add value. An additional component to Guggenheim's investment thesis is the integration of their legal team in the investment process. Bank loans are a research-intensive asset class and having legal expertise, particularly related to debt covenants, is a distinguishing part of the investment process.



FIRM AND PRODUCT COMPARISON SUMMARY

Firm Name	Location	Year Firm Founded	Total Assets Under Mgmt (\$MM)	% Employee Owned	% Parent Owned	Parent Company Name	% Publicly Held	% Other Ownership
Bank Loans								
Bain Capital Credit, LP	Boston, Massachusetts	1998	37,007	100	0	NA	0	0
Guggenheim Investments	New York, New York	1999	250,831	0	100	Guggenheim Capital, LLC	0	0

Firm/Product	Inception Date	AUM (\$MM)	# of Portfolio Managers	# of Research Analysts	# of Traders
Bank Loans					
Bain - Senior Loans ex. CLO	2008	5,724	14	98	8
Guggenheim - US Bank Loans	2014	20,501	10	101	10

Firm/Product	PRI Signatory (Y/N)	Strategy is Managed with ESG Considerations (Y/N)
Bank Loans		
Bain - Senior Loans ex. CLO	No	Yes
Guggenheim - US Bank Loans	No	Yes

Firm/Product	Separate Account Min. (\$MM)	Commingled Fund Min. (\$MM)	Mutual Fund Min. (\$MM)	Separate Account Fee Schedule	Commingled Fund Fee Schedule	Mutual Fund Ticker and Fee
Bank Loans						
Bain - Senior Loans ex. CLO	100	3	NA		First \$100 million - 0.50% Next \$100 million - 0.45% Balance - 0.40%	Not Available
Guggenheim - US Bank Loans	100	5	2	First \$100 million - 0.55% Next \$200 million - 0.45% Balance - 0.40%	All Assets at 0.50%	GIFIX - 0.80%



Characteristics as of December 31, 2017

CURRENT QUALITY ALLOCATIONS

Firm/Product	AAA/Aaa (%)	AA/Aa (%)	A (%)	BBB/Baa (%)	BB/Ba (%)	B (%)	CCC/Caa and Below (%)	Other* (%)
Bank Loans								
Bain - Senior Loans ex. CLO	0.0	0.0	0.0	3.6	27.4	65.2	2.9	1.0
Guggenheim - US Bank Loans	0.0	0.0	0.0	1.0	20.9	73.0	4.5	0.5

Benchmark								
CS Leveraged Loan	0.0	0.0	0.0	8.4	37.9	45.5	8.2	0.0

^{*}Other includes cash, derivatives, and Not Rated issues.



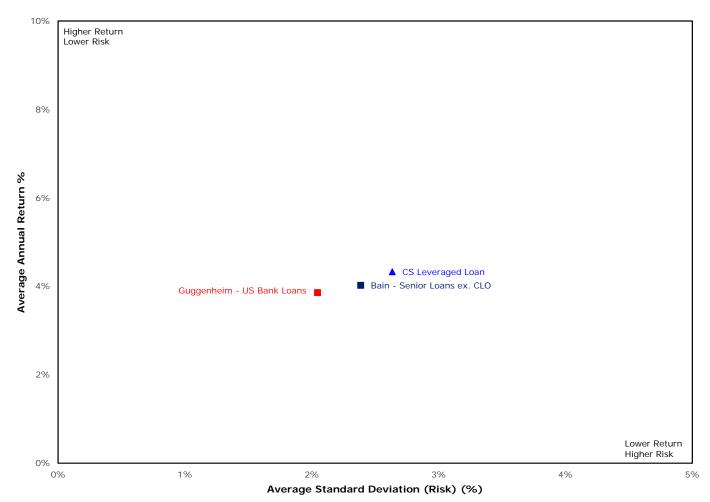
TRAILING AND CALENDAR YEAR RETURNS - (NET OF FEES)

	Qtr	YTD	1 Year	3 Year	5 Year	7 Year	10 Year
Bank Loans							
Bain - Senior Loans ex. CLO	1.0%	1.0%	4.0%	4.0%	3.7%	4.7%	NA
Guggenheim - US Bank Loans	1.0%	1.0%	3.8%	3.9%	4.1%	NA	NA
CS Leveraged Loan	1.6%	1.6%	4.6%	4.3%	4.2%	4.5%	5.4%

	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Bank Loans										
Bain - Senior Loans ex. CLO	4.2%	9.2%	-0.4%	1.0%	6.4%	11.7%	4.2%	13.3%	43.1%	NA
Guggenheim - US Bank Loans	3.6%	7.7%	1.3%	2.7%	7.0%	11.6%	NA	NA	NA	NA
CS Leveraged Loan	4.2%	9.9%	-0.4%	2.1%	6.2%	9.4%	1.8%	10.0%	44.9%	-28.8%

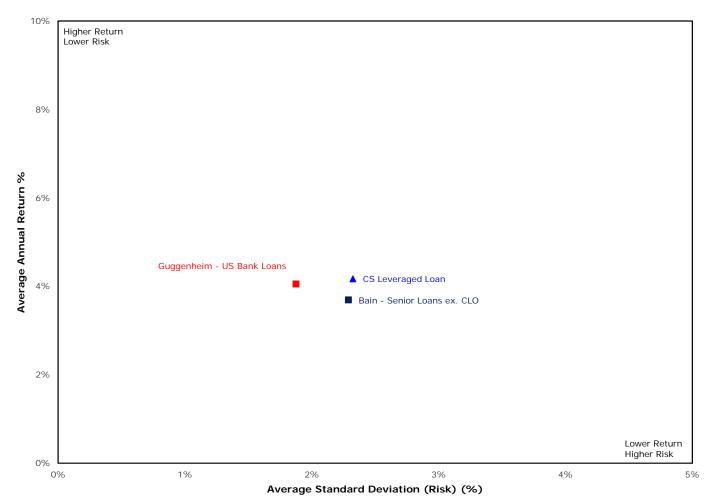


3 YEAR TOTAL RISK/RETURNS COMPARISON - (NET OF FEES)





5 YEAR TOTAL RISK/RETURNS COMPARISON - (NET OF FEES)





DISCLAIMER

- This report contains summary information regarding the investment management approaches described herein but is not a complete description of the investment objectives, policies or portfolio management and research that supports these approaches. This analysis does not constitute a recommendation to implement any of the aforementioned approaches.
- · Past performance is no guarantee of future results.
- Information on market indices was provided by sources external to NEPC, and other data used to prepare this report was obtained directly from the investment manager(s). While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
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Liquid Senior Loan Strategy

June 2018



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Bain Capital Core Values



From our founding, we have held to the conviction that there is a different way for an investment to create value. At Bain Capital, we are united by our common purpose: we are committed to lasting impact. Our commitment to lasting impact means that, for us, success is anchored in the four values we aim to live every day:

We develop exceptional partnerships

We believe that great outcomes come from great teams. We are personally invested in each other's successes.

We challenge conventional thinking

We think differently. We nurture a culture of deeply objective inquiry and seek the full potential in every opportunity. We seek the power of facts.

We work with tenacity

We roll up our sleeves, dig in, and come to work every day searching for better outcomes. We relentlessly tackle tough problems. We see things through.

We believe character matters

We prize personal integrity and humility. We believe in acting with both empathy and conviction. We believe in doing the right thing.



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A Leader In Global Credit for Over 20 Years

Scale & Experience

- Bain Capital Credit has invested through multiple cycles, covering over 5,000 corporate issuers
- · 278 employees, 129 investment professionals
- 34 MDs with average of over 20 years experience

Depth

- Multiple industry research verticals supporting specialized product teams
- Dedicated Credit and Risk & Oversight Committees
- Over 100 professionals in Finance/Ops/Legal/IT Systems

Local Market Presence

- ~195 employees in the US, ~60 in Europe, ~20 in Asia Pacific
- ~20 nationalities represented, ~30 languages spoken
- · Part of the Bain Capital global network

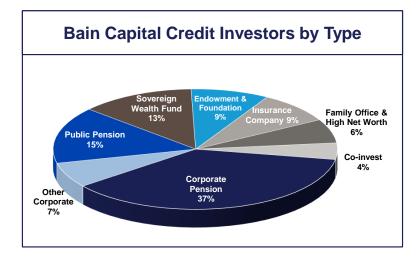
Broad Skillset

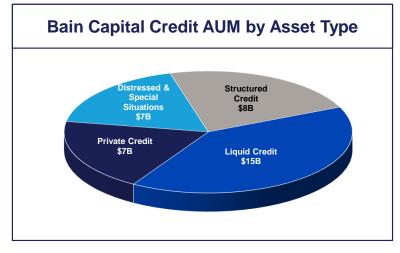
- Liquid Credit
- Direct Lending
- · Capital Solutions
- · Distressed Debt
- Non-Performing Loans
- Structured Credit/CLOs
- · Real Estate

Alignment of Interest

- · Employee-owned partnership
- ~\$1B of employee co-investment across credit strategies⁽¹⁾
- · Committed to transparency

\$37B in Firm AUM







Bain Capital Credit employee data as of April 1, 2018. AUM data estimated as of April 1, 2018 and includes Bain Capital Credit, LP, its subsidiaries and credit vehicles managed by its AIFM affiliate.

⁽¹⁾ Data estimated as of April 1, 2018. Bain Capital Credit and Bain Capital employee investments include general partner, employee co-invest and other affiliate capital invested in Bain Capital Credit managed funds.

Investment Platform

Bain Capital Credit

\$37 billion across the spectrum of high-yield credit

Bank Loan &
Multi-Asset Credit
\$15B

Structured Credit \$8B

Direct Lending \$7B

Distressed & Special Situations \$7B

Dedicated bank loan and liquid opportunistic credit strategies offered in long only or long/short

Bain Capital Credit managed CLOs and opportunistic investments in CLO debt and equity Senior, unitranche and mezzanine debt in middle market companies

Distressed debt, capital solutions and opportunistic special situations

Global Bank Loans

US Managed CLOs

Global Senior Direct Lending

Global Distressed & Special Situations

European Bank Loans

European Managed CLOs

Mezzanine & Junior Capital

Special Situations Europe (SSE)

High Income Strategy

Structured Credit Opportunities

Regionally Focused Mandates

Special Situations Asia (SSA)

Customized SMAs



Multi Strategy Credit Team

Jonathan Lavine

Co-Managing Partner, Bain Capital // Chief Investment Officer & Founder, Bain Capital Credit 27 years experience, 25 years at Bain Capital

Credit Committee

Risk & Oversight Committee

Investment Team

Portfolio Management Team

Jon DeSimone

Managing Director, CIO Liquid Credit 23 years experience, 15 years at Bain Capital Credit

Andy Carlino

Managing Director, Portfolio Manager 22 years experience, 15 years at Bain Capital Credit

Gauthier Reymondier

Managing Director, Portfolio Manager 17 years experience, 10 years at Bain Capital Credit

Kim Harris

Managing Director, Portfolio Manager 30 years experience, 18 years at Bain Capital Credit

Nate Whittier

Vice President, Portfolio Manager 8 years experience, 5 years at Bain Capital Credit

+1 Analyst

Viva Hyatt Managing Director

Industry Research

(35 investment professionals)

- Aerospace/Defense
- · Autos/Transportation
- Cable/Media/Telecom
- Chemicals
- Consumer/Retail
- Construction
- Energy
- Enterprise Services
- Healthcare
- Industrials
- Leisure/Gaming
- · Metals/Mining
- Paper/Packaging
- Software/Technology
- Utilities

John Wright Managing Director

Stephanie Walsh Managing Director

Structured Credit

(7 investment professionals)

Jeff Robinson

Managing Director

Distressed & Special Situations

(50 investment professionals)

Michael Ewald Managing Director

Private Credit

(27 investment professionals)

Trading

(8 investment professionals)

Finance & Operations (75 professionals)

Investor Relations (17 professionals)

Legal & Compliance (12 professionals)

IT (15 professionals)

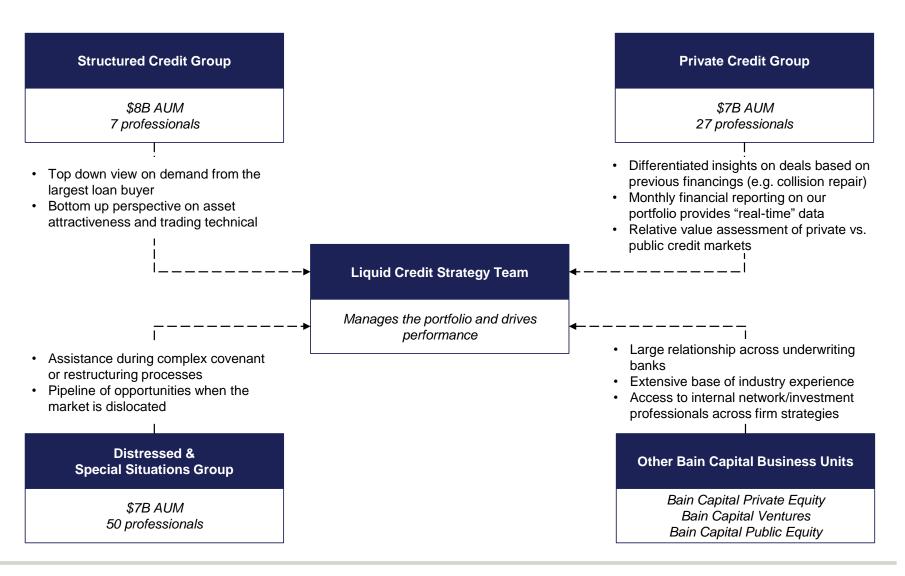
HR & Administrative (30 professionals)



Employee data as of April 1, 2018. Due to cross-functional roles, numbers may not add to the Firm's total headcount of 278 employees.

The Power of the Platform

Our Liquid Credit Strategy benefits from synergy across the Bain Capital platform.





Investment Philosophy

We seek to maximize expected return, not potential return, in our investments.

INDUSTRY ATTRACTIVENESS

- Barriers to entry
- Customer/supplier power
- Substitutes/technology
- Cyclicality
- Market definition
- Profit drivers
- Event risk



How healthy is it?

COMPETITIVE POSITION

- Basis of competition
- · Benefits of scale
- Customer stickiness
- Segment profitability
- Relative cost position
- Product differentiation
- Fragmentation



Does anyone care if they go away?

COMPANY/SECURITY

- Historical trends
- Assets/downside protection
- Management/equity sponsor
- Strategy
- Covenants and terms
- Relative value/market technicals
- · Position in capital structure



What do I need to believe?



The Engine of Our Liquid Credit Strategy is Our Industry Team

We have one of the largest and most experienced teams in credit which has looked at over 10,000 deals and deployed over \$100B of capital since 1998.

Over 500 issuers currently held

Average tenure of 13 years for VP level and above

Maintain an active dialogue with capital markets bankers ahead of new transactions



Visit portfolio companies regularly

Attend leveraged finance and specific industry conferences

Utilize Bain Capital's information services platform



Local Sectors



Global Sectors



Employee data as of April 1, 2018. Deals evaluated reflects the total number of issuer pages created on the Document Management System ("DMS") since DMS inception in 2003. Capital deployed reflects the total amount of capital deployed across all CLOs, separately managed accounts, and liquid funds from January 1, 1998 to November 30, 2017. Number of issuers currently held reflects the current number of companies overseen by the Industry team and invested in as of November 30, 2017. Average tenure of the team reflects VP level and above employees average career length as of October 1, 2017.

Investment Process

To achieve strong results, Bain Capital Credit uses a systematized credit approval and tracking process.

PORTFOLIO & INVESTMENT PORTFOLIO INVESTMENT RISK RECOMMENDATION **APPROVAL** CONSTRUCTION **MANAGEMENT** • Risk & Oversight Committee Industry, Private Credit, Approval process for Portfolio managers tailor **Distressed and Special** each portfolio to risk, return investments directed by reviews investment and fund Situations and Structured **Credit Committee** and liquidity objectives level risk Credit deal teams look for opportunities across their respective markets - Constant dialogue with trading - Helps ensure adherence to fund Highly analytical investment - Over 20 years experience on approach average desk and industry teams strategy Evaluation across capital - Reviews specific investments - PMs set overall level of risk and Proprietary databases used to and industries drive asset class and industry capture and monitor company structure rotation and security information Typically approves a hold of up Detailed analysis on industries and investments to 15% of an individual tranche Portfolios represent a blend of a Monitoring program with for syndicated investments⁽¹⁾ top-down and bottom-up frequent information flow postapproach investment - Sell decision driven by Industry Team and PMs; no meeting required



Responsibility and ESG Considerations

ESG considerations for certain investments are integrated throughout our investment process with ownership across the Bain Capital Credit team.

Promote Awareness

- Industry research teams analyze ESG on an industry as well as company level as needed
- Attend industry conferences
- Meet regularly with company management and evaluate the entire value chain

Monitoring & Transparency

- Proprietary databases used to capture and monitor company and security information (which may include, but is not limited to, ESG information)
- Monitoring program with frequent information flow post-investment for all Bain Capital Credit funds
- Fund and firm-level reporting (which may include, but is not limited to, ESG information)
- · Exploring Advisory Board options



Thoughtful Approach

- Not a "one size fits all" solution
- Correct answer varies by company and geography
- Analysis of impact to our returns, reputation and Limited Partners
- Engagement with company management where we have board/observer seats

Implementation

- On certain new credit investments our Credit Committee completes the ESG/SRI checklist during the approval process
- We seek to avoid certain industries (e.g. tobacco, armaments)
- High firm citizenship standards



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Bain Capital Liquid Senior Loan Strategy (Established in 2008)

The objective of the Bain Capital Liquid Senior Loan Strategy is to outperform the LSTA index.

How Do We Do It?

Undertake an intensive evaluation and diligence process, reviewing the industry, company, capital structure and security

Focus on the middle of the market aiming to generate alpha while preserving liquidity

Tactically allocate to opportunities in the European loan market

Aim to protect on the downside with fewer defaults and higher recoveries



Bain Capital Credit has been investing in bank loans for 17 years and has a track record of strong performance and credit selection.⁽¹⁾



Our Portfolio Blends Bottom-Up and Top-Down Perspectives

Portfolio managers ("PMs") work closely with the industry research team to construct an active portfolio of what we see as our best ideas.

Global Credit Universe (2,500+ Issuers in the US and Europe)

~75% Bottom-Up (Industry Research)

- · How healthy is the industry?
- Does anyone care if the company goes away?
- Does it involve legislation, litigation or the "latest thing"?
- Is it an attractive relative value within its sector?
- Does it pass our ESG screen for our SRI focused funds?

Strategy Focus List (750-1000)

Bain Capital Credit-Owned Issuers (500)

The Portfolio (100-200)



Normal position sized at 75-100 basis points

~25% Top-Down (PM Team)

- What are the portfolio targets? (Credit risk, trading liquidity, interest rate duration)
- What are the allocation targets? (Industry, asset class, geography)
- Are we taking a view on rates, currencies or commodities?
- Is it attractive across all sectors and asset classes?

Tailor position size based on tranche size, level of credit risk and trading liquidity

Often own 3-10% of a tranche with initial approval set at 15%⁽¹⁾

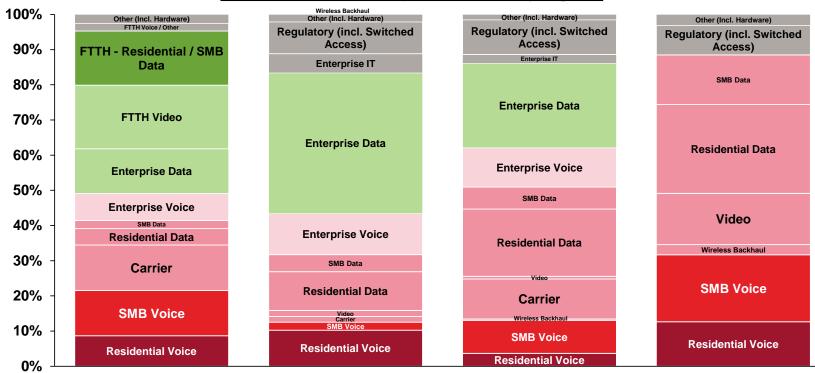
No Credit Committee approval required to sell—driven by Industry Research and PM team dialogue



Understanding Industry Fundamentals is Critical

These four telecom investment opportunities generate their revenue in very different ways, which we believe is critical to pricing the risk appropriately.

Wireline Revenue Heat Map: LTM Revenue by Segment



	Company 1	Company 2	Company 3	Company 4
	STW (bps)	STW (bps)	STW (bps)	STW (bps)
1 st Lien	330	385	675	520
Unsecured	505	435	1335	1440

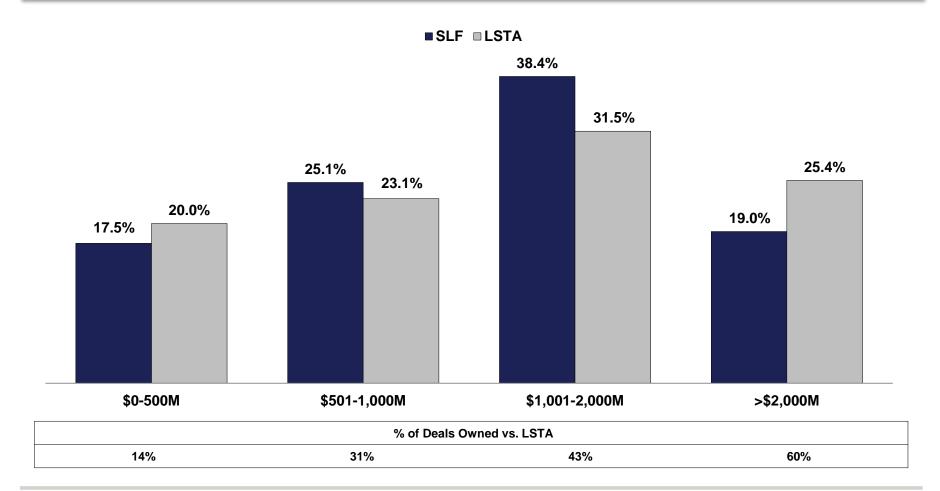


Data as of January 8, 2018. Source: BMS, Bloomberg and Bain Capital Credit analysis. Segments are shaded on a scale from red to green. Darker red implies faster declines and more disruption risk and darker green implies stronger growth and less disruption risk. The investments discussed do not represent all of the investments made by Bain Capital Credit and it should not be assumed that the investment was or will be profitable. These investments are not necessarily indicative of any investments that Bain Capital Credit will or could make in the future.

Active Portfolio Management

Our Senior Loan Fund ("SLF") is actively managed. We are benchmark-aware and not benchmark-driven given the risk of adverse selection in companies that have issued more debt.

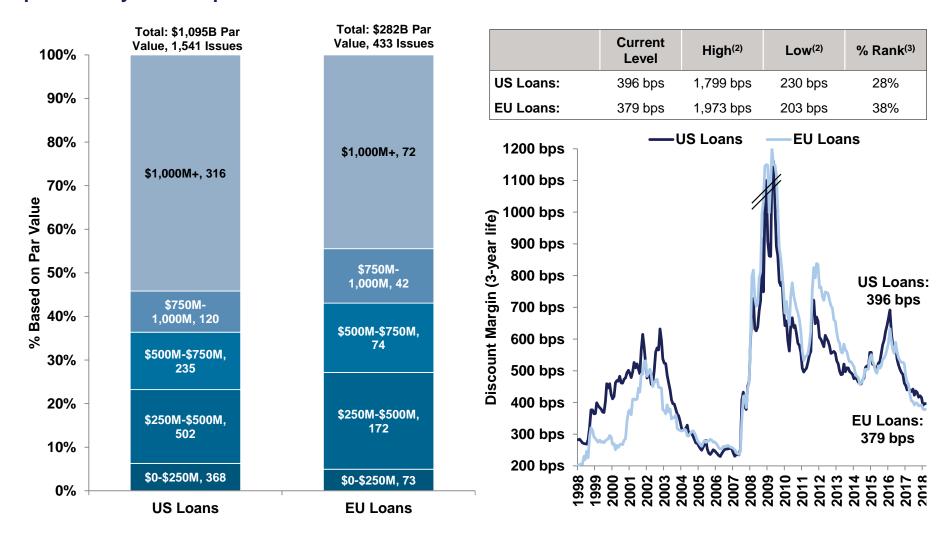
Issue Size Comparison (3-Year Average)





The European Loan Market Presents Select Opportunities

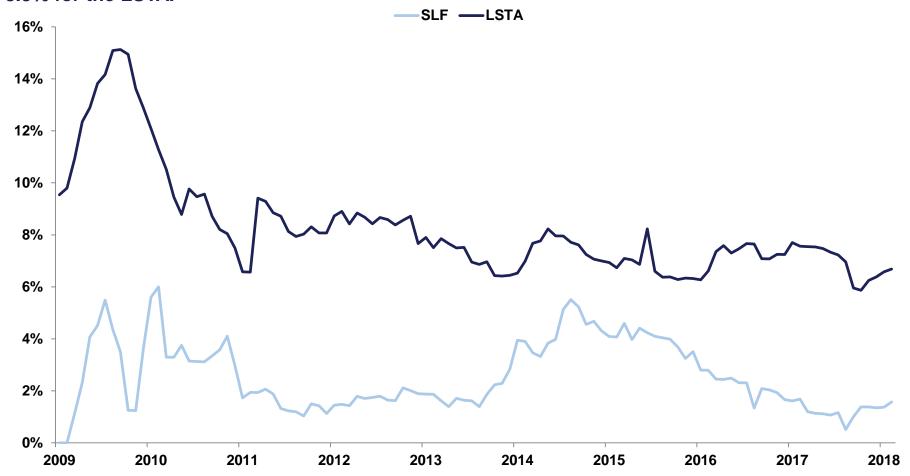
Though smaller than the US market, the European loan market has over 100 liquid issuers and periodically offers a premium to the US.⁽¹⁾





Minimizing Downside Starts with Avoiding CCC's

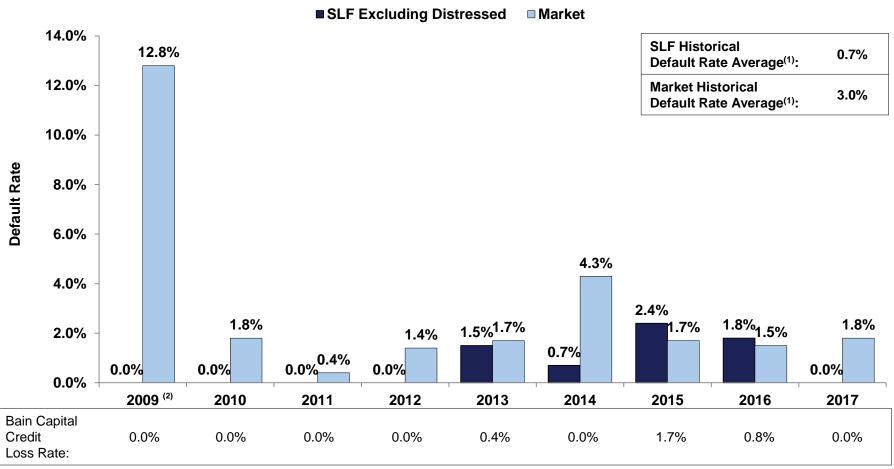
We continue to underweight CCC exposure. SLF average CCC exposure has been 2.6% versus 8.3% for the LSTA.



SLF has delivered strong performance since inception despite typically carrying less credit risk than the LSTA Index



We Have Historically Avoided More Defaults Than the Market



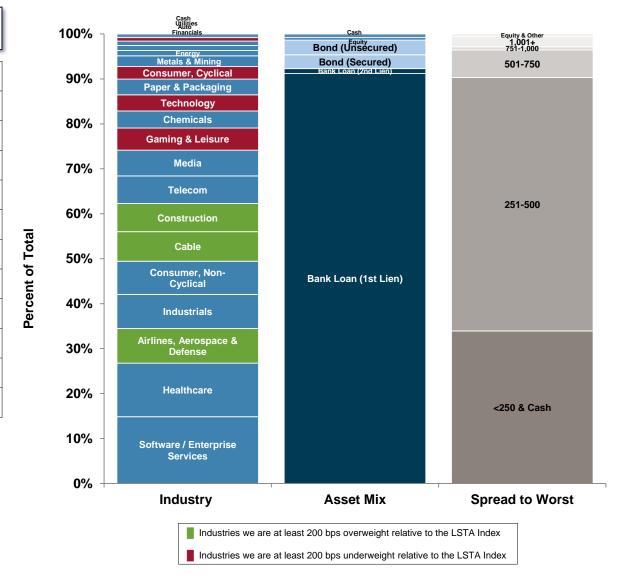
Data estimated as of December 31, 2017. Market data: JP Morgan Default Monitor. Defaults shown for bank debt and bonds held in Bain Capital Senior Loan Fund, L.P ("SLF"). SLF defaults exclude distressed purchases, defined as bank debt trading 20 points below the LSTA Index average offer price and bonds trading 30 points below the JPM High Yield Index average offer price. Default rates are calculated based on principal amount. Recovery rate for Bain Capital Credit is the weighted average price of assets one year after default. If sold within one year of default, weighted average sale price is used. If restructured within one year, recovery rate is the value of post-restructured assets on one-year anniversary of default date (or weighted average sale price if sold within one year). Loss Rate is the annual default rate multiplied by difference between: (1) Par and (2) Recovery Rate for each annual period, and measures total impact of default losses on investment population, net of recoveries. 1 Year Loss Rate is shown for Bain Capital Credit. Loss rate for JP Morgan benchmark -- which uses a materially different methodology -- not shown. (1) SLF Historical Default Rate Average is the average default rate for the time period January 1, 2009 - December 31, 2017. (2) SLF 2009 data shown is for March 1, 2009 - December 31, 2007. (2) SLF 2009 data shown is for March 1, 2009 - December 31, 2007. (2) SLF 2009 data shown is for March 1, 2009 - December 31, 2007. (3) SLF 2009 data shown is for March 1, 2009 - December 31, 2009. Past performance is not indicative of future results. Actual results may vary. An investor should consider that there are material differences between the methodologies underlying the JP Morgan benchmarks and Bain Capital Credit's statistics.



SLF Portfolio Characteristics

Characteristics

Current Yield:	5.5%
Yield to Worst:	5.7%
Interest Rate Duration:	0.3
Credit Spread Duration:	3.9
Avg. Interest Coverage:	3.8x
Avg. Relevant Debt/EBITDA:	4.3x
Avg. Total Debt/EBITDA:	5.7x
Median EBITDA:	\$345M
Avg. 4-year Spread:	336 bps
Avg. Rating:	В
Number of Companies:	275
Non-North American ⁽¹⁾ :	20%





Data for the owned portfolio as of April 30, 2018. Holdings by market value, financial statistics and Moody's rating as of April 2018. An internal rating is used if a Moody's rating does not exist. Current yield represents a percentage of net asset value. Yield to worst excludes cash. Spreads include the value of LIBOR (and floor, where applicable) and exclude cash. Spread to worst represents all assets excluding other synthetic security types, which include FX hedges and equity options. Based on internal analysis. (1) Includes non-North American currency and domiciled issuers.

Bain Capital Liquid Senior Loan Strategy

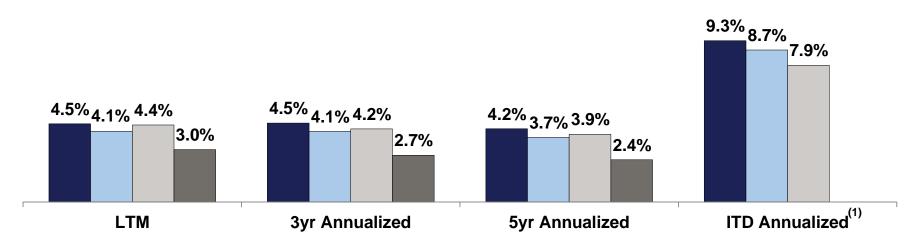
We have outperformed the market by ~140 gross basis points annualized since inception.

- Bain Capital Liquid Senior Loan Strategy Gross
- Bain Capital Liquid Senior Loan Strategy Net
- **■LSTA**
- **BKLN**

Standard Deviation (ITD)

Bain Capital Gross: 5.3%

LSTA: 6.3%



	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	YTD
Liquid Senior Loan Strategy Gross	-5.1% ⁽²⁾	43.8%	13.9%	4.7%	12.3%	6.9%	1.5%	0.1%	9.8%	4.7%	1.1%
Liquid Senior Loan Strategy Net	-5.2% ⁽²⁾	43.1%	13.3%	4.2%	11.7%	6.4%	1.0%	-0.5%	9.3%	4.3%	1.0%
LSTA	-11.2% ⁽²⁾	51.6%	10.1%	1.5%	9.7%	5.3%	1.6%	-0.7%	10.2%	4.1%	1.4%



SLF Summary of Terms

Fund Parameters ⁽¹⁾					
Asset Mix	Minimum 90% secured debt				
Fixed Rate	Maximum 25%				
Max Issuer Exposure	3%				
Geographies ⁽²⁾	Minimum 60% in issuers domiciled in the US or Canada				
Industries	Not to exceed 15% based on Moody's definitions An exception may be made for one industry up to 20% and a second up to 17%				
Currency	The Fund will invest in USD, Canadian Dollars and the currencies used in the EU, EEA and OECD The manager may or may not choose to hedge foreign exchange exposure				
Summary of Terms ⁽³⁾					
Vehicle	Bain Capital Senior Loan Fund, LP	Bain Capital Senior Loan Fund, PLC			
Strategy	Invest in a diversified pool of primarily North American and European bank loans and secured bonds on an unlevered basis	Invest in a diversified pool of primarily North American and European bank loans and secured bonds on an unlevered basis			
Fee Structure	Annual management fee paid quarterly. • For first \$100M of commitment: 0.50% of NAV • For next \$100M of commitment: 0.45% of NAV • For any additional amount of commitment: 0.40% of NAV Operational and administrative expenses capped at 0.13%	Annual management fee paid quarterly. • For first \$100M of commitment: 0.50% of NAV • For next \$100M of commitment: 0.45% of NAV • For any additional amount of commitment: 0.40% of NAV Operational and administrative expenses capped at 0.20% for commitments less than \$100 million and at 0.15% for commitments of \$100 million or greater			
Structure	Evergreen fund, Delaware LP Monthly redemptions with 30 days notice	Evergreen fund, Irish PLC Monthly redemptions with 30 days notice			
Legal Counsel	Fried, Frank, Harris, Shriver & Jacobson LLP	Maples and Calder (Ireland), Fried, Frank, Harris, Shriver & Jacobson LLP (UK, US)			



Fund Administrator

Auditor

PricewaterhouseCoopers

SEI Global Services, Inc.

PricewaterhouseCoopers

International Fund Services (Ireland) Limited

⁽¹⁾ Compliance with all tests calculated on a par basis.

^{(2) 40%} non U.S./Canada basket also allowed to purchase securities from issuers in favourable tax jurisdictions such as Bermuda and the Cayman Islands so long as the business has significant operating activities in the US, Canada, EU, EEA or OECD.

⁽³⁾ Refer to fund documents for full details of terms and conditions.

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We Remain Cautious on Markets Given Where We Are in the Cycle

While the macroeconomic backdrop is supportive to take modest risk, there are few "good businesses with a bad capital structure" which need growth and that are trading at attractive levels.

Fundamentals

- We appear to be in a period of synchronized global growth
- US expansion 3rd longest ever with tax bill that may extend cycle
- Europe improving
- China seems strong
- Corporate leverage has risen in IG and HY, but cheap funding cost has supported cash flows
- Underlying corporate results have been good in most sectors across our portfolio
- Few unforeseen defaults outside challenged sectors (retail, energy, radio)

Valuations

- Credit markets at tighter than average conditions
 - Loans at 23rd percentile⁽¹⁾
 - Bonds at 15th percentile⁽¹⁾
- Credit market is bifurcated with few total return opportunities outside challenged sectors
- Equity valuations also stretched at high 80s — low 90s percentile on P/E basis

Financial Stress

- Lending conditions remain favorable (Fed SLO survey) and capital markets are open to solve most funding issues
- Financial CDS remains cheap

 no bank funding issues
- Treasury curve has flattened with short end coming up typically a negative sign
- Higher rates and increase in deficit could present medium term problems

Technicals

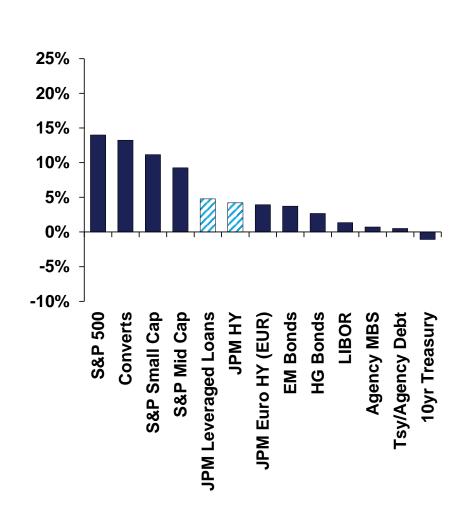
- Demand for credit continues to outstrip supply with investors allocating away from core plus fixed income to the asset class
- Private capital markets continue to grow strongly and terms are converging
- Issuers able to drive debt terms: covenant-lite is the norm with flexible baskets for additional debt and dividends
- Repeal of leveraged lending guidance beginning to feed through to issuance (>6x leverage more common)

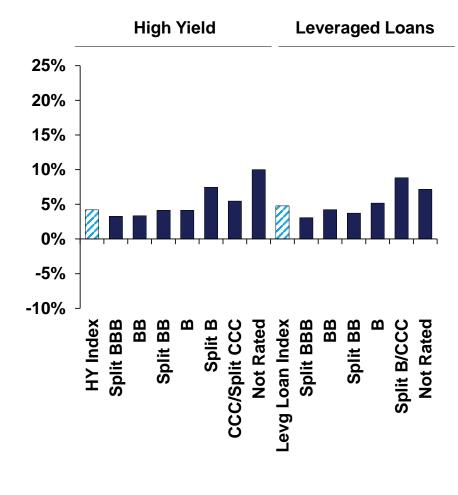


Risk Assets Have Performed Well

Cross Asset Returns (LTM)

Corporate Credit Returns (LTM)



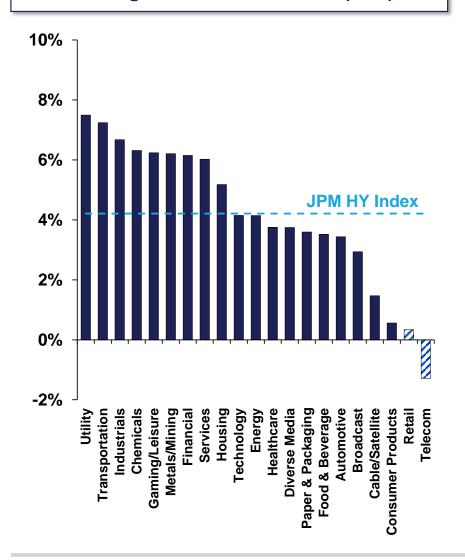


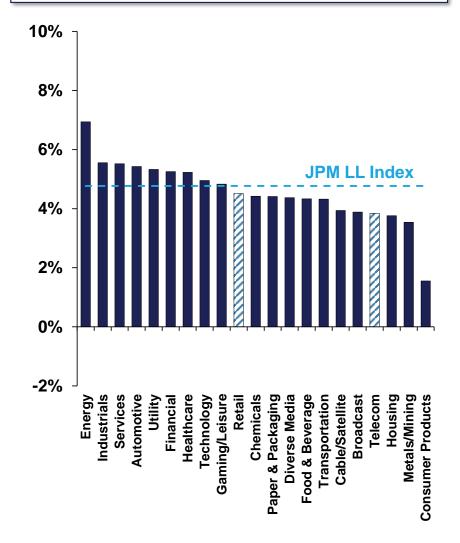


Retail and Telecom Have Underperformed

JPM High Yield Index Returns (LTM)

JPM Leveraged Loan Index Returns (LTM)



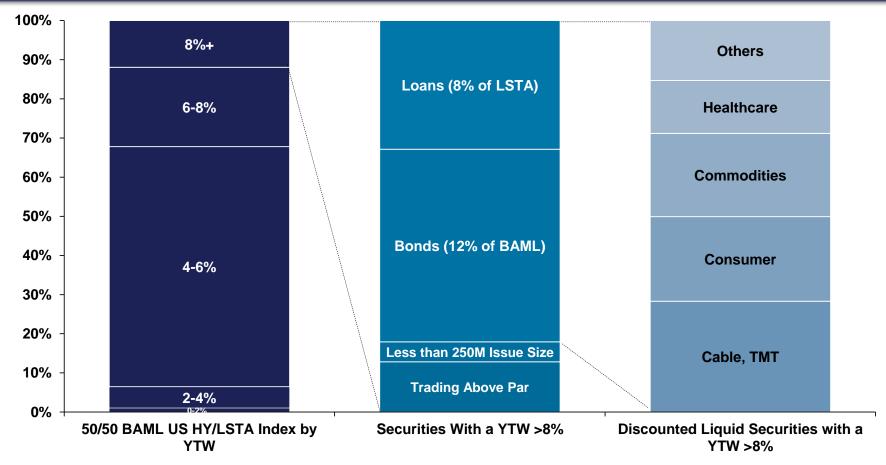




Only 10% of the Index is Trading Over 8%...

The liquid risk market is 9.8% of the index and contributes ~110 bps of spread. (1)

50/50 LSTA BAML US HY



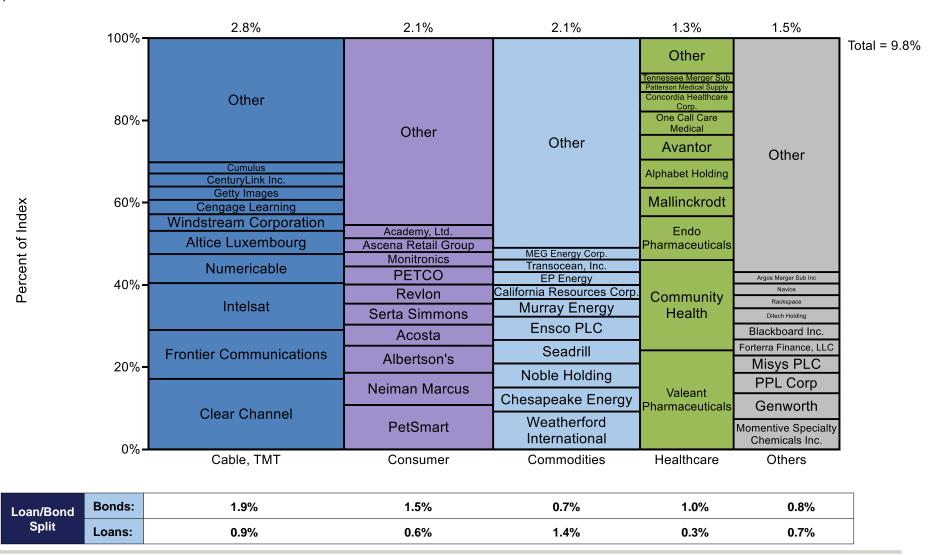


Data as of March 31, 2018. Source: Bain Capital Credit analysis. Bain Capital Credit defines the liquid risk market as the percent of the 50/50 BAML US HY/LSTA that has a YTW greater than 8%, trades below par (\$100) and has an outstanding tranche size greater than \$250. See "Endnotes" for important definitions, disclosures and information regarding returns, indices and performance calculation methodologies.

(1) The index is the 50/50 BAML US HY/LSTA Index.

...And This Segment Is Concentrated

Only 9.8% of the index has a YTW >8%, is trading below par and has a tranche size greater than \$250M.



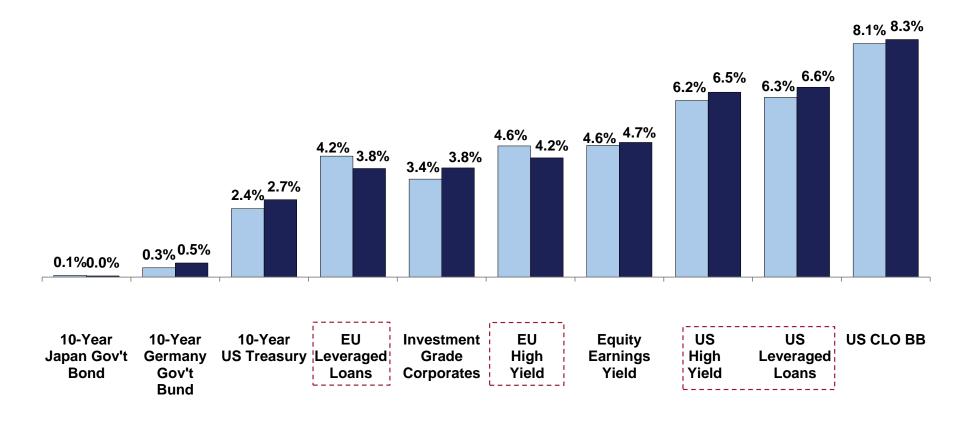


Data as of March 31, 2018. Source: Bain Capital Credit analysis. The 9.8% represents the portion of the of the 50/50 BAML US HY/LSTA index meets the following requirements: has a YTW>8%, trading below par and has a tranche size greater than \$250M. See "Endnotes" for important definitions, disclosures and information regarding returns, indices and performance calculation methodologies.

Yields Look Attractive in a Broader Credit Context

While loan and bond yields have rallied with the rest of fixed income, in a world of low rates and defaults, valuations look reasonable.

■1 Year Ago ■Today





Financial Stress Remains Low But Valuations Are High

Financial System Stress						
US Funding markets	Current	%ile	Median	Max	Min	Data since
3M Libor	236	54%	190	687	22	Jan-95
3M Libor - Tbill (TED)	56	80%	34	464	(6)	Jan-95
2yr swap spreads	25	35%	34	167	(3)	Jan-95
30D CP level	186	53%	176	658	12	Jan-95
Treasury curve (10-2)	0.5	90%	1.0	2.9	(2.4)	Jan-80
SIFI and bank levels (bps)	Current	%ile	Median	Max	Min	Data since
BofA	49	99%	67	485	8	Aug-01
Citi	50	35%	76	1,636	7	Sep-02
Goldman	64	36%	85	580	19	Aug-01
JPM	48	33%	63	243	11	Sep-01
MS	61	34%	82	1,311	15	Sep-01
Wells Fargo	56	57%	51	310	6	Nov-02
HSBC	25	90%	57	290	5	Jul-02
Bank of China	67	34%	105	400	16	Jan-02
BTMU	53	40%	63	198	6	Feb-05
DB	114	9 78%	79	320	10	Aug-01
BNP Paribas	29	9 37%	60	370	5	Sep-01
Unicredit	68	42%	93	700	7	Sep-01
Equity vol	Current	%ile	Median	Max	Min	Data since
Vix (spot)	15.4	37 %	17.4	81	9	Jan-90
Vix (6M-spot)	2.7	9 35%	4.0	12	(42)	May-04
10% OTM Put vol	20.4	9 47%	20.8	68	11	Jan-05
Skew (Put - Call)	10.0	70%	8.9	18	2	Jan-05
Credit differentials (bps)	Current	%ile	Median	Max	Min	Data since
AAA - 10Yr Ts	98	33%	129	301	(40)	Jan-83
HY - BBB	299	18%	401	1,455	161	Jan-80
CCC - B	387	19%	505	1,855	217	Jan-95
Out f d: 1 - (0.0	0	0.01	n a - dr -		F-87	Detecto
Other funding mkts (3M)	Current	%ile	Median	Max	Min	Data since
Euribor	(33)	196	210	539	(33)	Dec-98
Shibor	410	51%	400	730	112	Oct-06
IDV Libor	(3)		10	- 12/12/	701	Ion OF

Valuations						
Equities (Trailing)	Current	%ile	Median	Max	Min	Data since
S&P 500	20.3x	82%	16.9x	30.6x	6.8x	Jan-54
S&P 500 EV/EBITDA	13.0x	91%	10.6x	15.0x	6.2x	Jan-90
S&P Mid Cap	22.4x	74%	21.1x	27.9x	4. 4x	Dec-90
S&P Small Cap	26.7x	84%	23.4x	37.3x	11.6x	Jan-95
Nasdaq	26.0x	17%	32.5x	18472.2x	15.6x	Nov-01
S&P Trailing Earnings	130					
Equities (Forward)	Current	%ile	Median	Max	Min	Data since
S&P 500	16.7x	60%	16.3x	26.9x	10.0x	Jan-90
S&P Mid Cap	17.7x	51%	17.9x	22.9x	8, 8x	Jan-95
S&P Small Cap	19.1x	60%	18.7x	27.8x	11.3x	Jan-95
Nasdaq	21.4x	42%	22.3x	72.8x	13.1x	Nov-01
S&P Forward Earnings	158					
Credit	Current	%ile	Median	Max	Min	Data since
10yr Treasury yield	2.96	20%	5.7	15.8	1.4	Jan-80
10yr TIPs yield	0.78	9496	1.7	4.4	-0.9	Jan-97
HG BBB (5yr spread)	88 (24%	119	486	44	Apr-91
HY	387	20%	526	1,929	266	Jan-95
HY B	394	21%	527	1,860	247	Jan-95
HY CDX	338 (25%	420	1,889	175	Jan-06
LL	383 (<u> </u>	426	2,089	214	Jan-92
HY - BBB	299	18%	401	1,455	161	Jan-80
CCC - B	387	996	505	1,855	217	Jan-95
European Xover	271	24%	335	1,153	149	Jun-04
European HY	371	22%	541	2,255	179	Jan-99
CMBS AAA	177	69%	140	1,325	20	Dec-04



Financial system stress low overall with a few exceptions



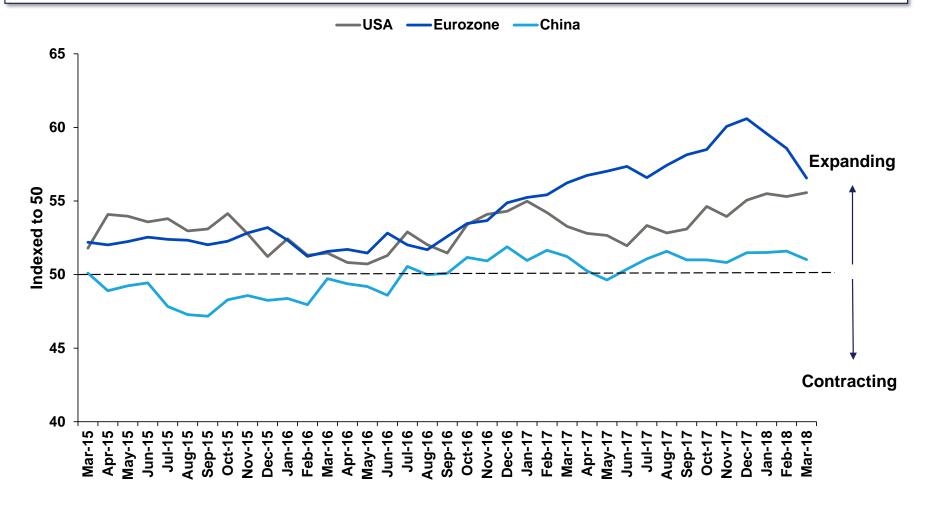
- · Equity valuations rich to credit
- Loans look cheaper than bonds



Sterling Libor

Fundamentals Continue to Look Strong

Purchasing Managers' Index "PMI"

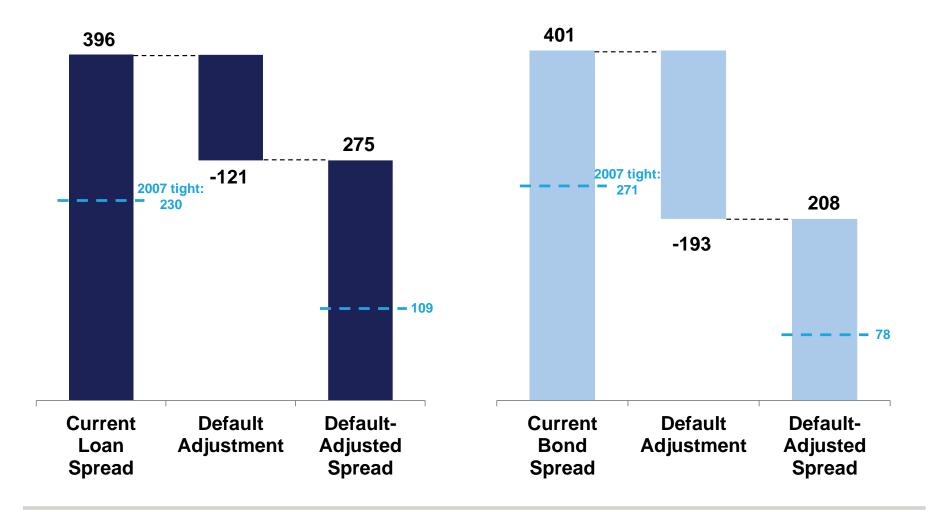




Credit Can Provide Attractive Absolute Returns

Default-Adjusted Loan Spreads (bps)

Default-Adjusted HY Bond Spreads (bps)

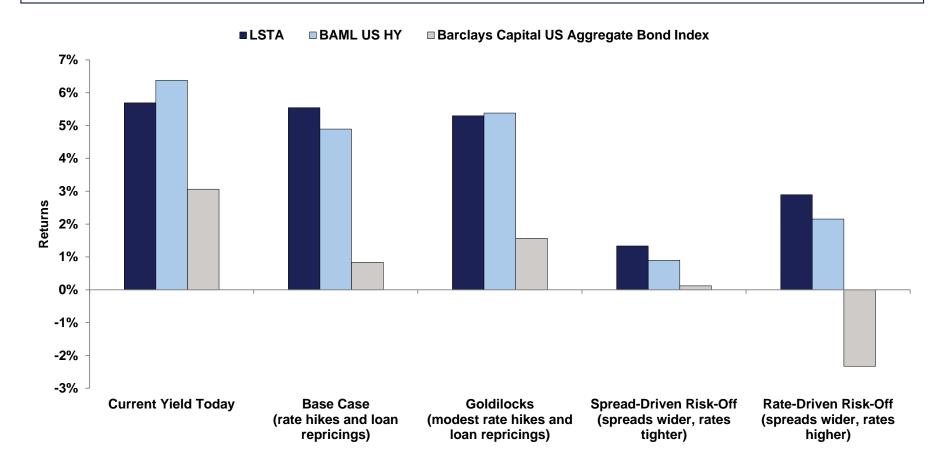




Weighing Loan Reprice Risk Against Rising Interest Rates

As rates rise, bond prices will generally be negatively impacted by their duration while loans will experience an increase in their floating-rate coupon. However, loans also face the risk of being repriced at a lower coupon.

Potential Next Twelve Month Return

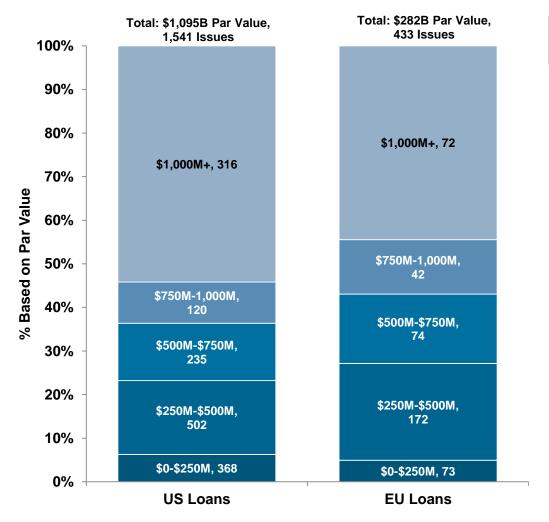




For illustrative purposes only. Data as of March 27, 2018. Source: LSTA, BAML, Barclays and Bain Capital Credit analysis. Analysis uses weighted average prices, coupons and durations to determine rate and credit spread impact on current yield. Aggregate coupon reduction in loan market is the reduction in loan current yield multiplied by the percentage of the market at risk to reprice (currently 77% of the market as defined by MV trading above par and with a facility size >200M). Rate and spread change is the duration impact on current yield (e.g. 1% rate increase = 1 duration price decrease). Loan current yields capture 50% of the rate increase. See "Endnotes" for important definitions, disclosures and information regarding returns, indices and performance calculation methodologies. Reflects Bain Capital Credit's view as of the date of this presentation and is subject to change.

The European Loan Market Presents Select Opportunities

Though smaller than the US market, the European loan market has over 100 liquid issuers and Euro loans currently offer a premium to USD loans.⁽¹⁾



Illustrative Term Loan Example⁽²⁾

	USD Tranche due 1/26	Euro Tranche due 1/26
Coupon	3.00	3.00
LIBOR/EURIBOR	2.41	0.00(3)
1 Year Euro Forward		3.17
Total Yield (@Par)	5.41	6.17



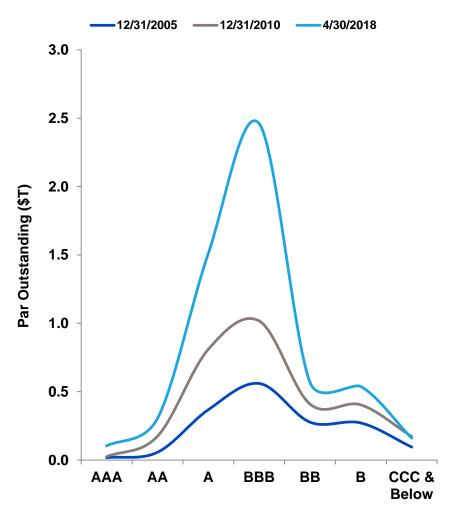
A USD investor can earn almost 70 bps of additional return without taking FX risk due to the forward market's difference from spot.



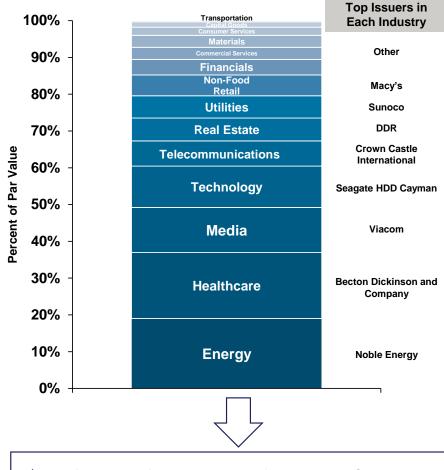
Graph data as of March 31, 2018. Discount 3-year margin shown from January 1, 1998 to November 30, 2017. Source: Credit Suisse and Bain Capital Credit analysis. US Loans for the CS Leveraged Loan Index. EU Loans for the CS Western Euro Leveraged Loan Index (hedged to euro). (1) Bain Capital Credit defines liquid issuers as those in tranches greater than \$500M. (2) Data as of April 30, 2018. The investment discussed above is not necessarily indicative of any investment that Bain Capital Credit will or could make in the future. The investment discussed does not represent all of the investments made by Bain Capital Credit and it should not be assumed that the investment was or will be profitable. Represents Bain Capital Credit's view as of the date of this presentation and is subject to change.(3) EURIBOR rate floor.

Fallen Angels May be an Opportunity During the Next Downturn

Growth of BBB Presents Risk and Opportunity⁽¹⁾



Fallen Angel Candidates from the BAML US IG Index on Watch Outlook⁽²⁾







Source: Bank of America. See "Endnotes" for important definitions, disclosures and information regarding returns, indices and performance calculation methodologies. (1) Data as of April 30, 2018. Shows par outstanding for the BAML US HY index (BB-CCC & Below) and BAML non-financial US IG index (AAA-BBB). (2) Data as of January 31, 2018. "Fallen Angels" represent the BBB rated members of the BAML US IG index on negative watch/outlook by at least one major rating agency. Reflects Bain Capital Credit's view as of the date of this presentation and is subject to change.

Liquid Credit Outlook

- Given the flattening of the credit curve, we plan to maintain our defensive positioning across liquid credit, avoiding CCCs and second liens.
- We will continue to trim risk positions and increase the overall liquidity of the portfolio to enable us to take advantage of future volatility.
- We prefer loans over bonds given the safer risk profile and valuation levels, though we continue to watch for how repricing activity might change this relationship.
- With a large portion of the market trading at or above par value, recent purchases have favored the new issue market where issuers price deals at a discount to obtain timely execution.
- While technicals remain strong in the credit markets, fundamentals continue to show late cycle characteristics. We are avoiding deep cyclicals like autos and steel. We are also concerned about secular pressures in retail, utilities and media.
- European loans remain interesting given their earlier point in the economic cycle.
- We are comfortable being fully invested with a higher-quality portfolio.



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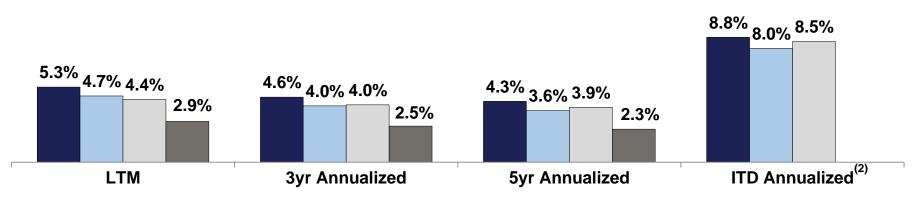
SLF Returns

SLF Monthly Net Returns

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	LSTA
2018	0.8%	0.2%	0.2%	0.5%									1.7%	1.9%
2017	0.7%	0.6%	0.1%	0.4%	0.4%	0.1%	0.7%	0.0%	0.4%	0.6%	0.4%	0.3%	4.8%	4.1%
2016	-0.6%	-0.5%	2.4%	1.6%	1.1%	-0.1%	1.4%	0.9%	0.8%	0.7%	0.2%	1.3%	9.6%	10.2%
2015	0.0%	1.4%	0.3%	0.9%	0.2%	-0.3%	0.2%	-0.6%	-0.7%	-0.3%	-1.2%	-1.1%	-1.2%	-0.7%
2014	0.7%	0.4%	0.4%	0.1%	0.6%	0.5%	0.1%	0.2%	-0.6%	0.1%	0.3%	-1.4%	1.1%	1.6%
2013	1.2%	0.2%	0.8%	0.8%	0.2%	-0.7%	1.0%	-0.1%	0.4%	0.9%	0.4%	0.4%	5.5%	5.3%
2012	2.2%	1.3%	0.7%	0.8%	-0.8%	0.7%	0.9%	1.1%	1.0%	0.5%	0.3%	0.7%	9.9%	9.7%
2011	1.8%	0.7%	0.2%	0.8%	0.2%	-0.3%	0.3%	-3.8%	-0.5%	3.0%	-0.8%	0.9%	2.3%	1.5%
2010	1.3%	0.0%	1.8%	1.1%	-2.0%	0.0%	1.9%	0.6%	1.5%	1.9%	0.3%	1.3%	10.0%	10.1%
2009			2.0%(1)	5.8%	6.8%	3.4%	4.7%	1.4%	2.8%	0.9%	-0.2%	2.1%	33.5%	39.1%

SLF LTM, 3yr, 5yr and ITD Annualized Gross and Net Returns

■ SLF Gross ■ SLF Net ■ LSTA ■ BKLN





Data as of April 30, 2018. Returns shown herein represent Bain Capital Senior Loan Fund, L.P. Class A shares. Bain Capital Senior Loan Fund, L.P. inception date is February 12, 2009. Past performance is not indicative of future results. Actual results may vary. See "Endnotes" for important definitions, disclosures and information regarding returns, indices and performance calculation methodologies.

- (1) Includes return from fund inception (February 12, 2009).
- (2) BKLN data only available since April 30, 2011.

Endnotes

Definitions

- 1. "Bank Loans" is defined as all USD denominated loans held in various Bain Capital Credit managed structured funds, Bain Capital Senior Loan fund, Bain Capital High Income Partnership, and Bain Capital Credit Separate Accounts.
- 2. "Bond Portfolios" or "Bonds" is defined as all USD denominated bonds held in Bain Capital Senior Loan fund, Bain Capital High Income Partnership, and Bain Capital Credit Separate Accounts.
- 3. "CLOs" is defined as all collateralized loan obligations issued or currently managed by Bain Capital Credit.
- 4. "High Income Strategy" is defined as the Bain Capital High Income Partnership and various Bain Capital Credit separate accounts where the invested assets are predominately bank loans and corporate bonds with strategic allocations to structured products, RMBS and credit hedges.
- 5. "RMBS"/"Mortgages" is defined as all investments in residential mortgage backed securities.
- 5. "Liquid Senior Loan Strategy" is defined as the Bain Capital Senior Loan Fund and various Bain Capital Credit separate accounts where the invested assets are predominately bank loans and corporate bonds.

Performance Disclosures

- 1. The performance information contained in this presentation is intended solely to provide investors with information about funds and accounts advised by Bain Capital Credit. There can be no assurance that the results achieved by Bain Capital Credit will be achieved by other investments, including other investments made by Bain Capital Credit. **Past performance should not be relied upon as an indication of future results.** Actual results may vary.
- 2. The information in this presentation has been prepared solely to assist interested parties in making their own evaluation of the strategy and does not purport to be complete or to contain all of the information that a prospective client or investor may consider material, or desirable, in making a decision to invest. The information contained herein is not a substitute for the recipient's independent evaluation and analysis.
- 3. Investors should not assume that the performance of any specific investment or investment strategy will be profitable or similar to past performance levels. An investment or investment strategy is impacted by numerous factors, including market and economic conditions, which are out of the control of Bain Capital Credit, which may result in loss to investors. Investment in a fund may fluctuate and the value may decline as well as appreciate and an investment should only be made by those persons who could sustain a total loss on their investment.
- 4. Some of the performance information contained in this document does NOT reflect the performance of any specific Bain Capital Credit fund, unless specifically noted. Performance is being shown to demonstrate Bain Capital Credit's relevant experience as an investment manager of the relevant assets. The returns of any Bain Capital Credit fund may be materially different from the returns shown. As such, investors should not construe the information contained in this presentation as an indication of potential performance of any Bain Capital Credit fund and should not rely on past performance when making an investment decision in any Bain Capital Credit fund. Full Bain Capital Credit fund returns are available upon request.
- 5. Investments shown are not a complete list of Bain Capital Credit fund investments. A full list of Bain Capital Credit fund investments and performance is available upon request.

Discussion of Returns

- 1. Gross returns shown do not reflect origination fees, advisory fees, performance allocations, taxes, transaction costs incurred in connection with the disposition of investments and other expenses to be borne by investors, which will have the effect of reducing returns and in the aggregate, are expected to be substantial. The compounding effect of fees on a portfolio reduce performance returns of an account. For example, an account spying no fees that begins with \$1,000,000 and experiencing a consistent 8% return for 10 years would grow to approximately \$2,169,000. An account charged a 1% fee and experiencing the same rate of return would grow to \$1,998,000. Investment advisory fees including management fee, carried interest and other expenses are described in Part 2 of Bain Capital Credit's Form ADV, available upon request. Net returns may not be provided because the fees and expenses associated with individual investments are applied in aggregate at the vehicle level of the various Bain Capital Credit funds, which made these investments.
- 2. Net returns for commingled funds represent the returns to fee-paying non-affiliated investors after deduction of management fees, performance reallocation and partnership expenses. Performance information is unaudited and subject to change. These performance results may not have been compiled, reviewed, or audited by an independent party.
- 3. Fund level returns shown include returns generated by reinvested proceeds. If such returns were not included, the returns shown herein may have been lower. Composite level returns could include returns generated by reinvested proceeds. Pro forma returns do not include returns generated by reinvested proceeds.

Performance Calculations Methodologies

- 1. Multiple of Money (MoM) is equal to the total value for each investment divided by the investment amount for such investment.
- 2. Annualized returns are computed based on the change in value during the period of a theoretical investment made at the beginning of the period. The change in value of a theoretical investment is measured by comparing the aggregate ending value of Limited Partners with the aggregate beginning value adjusted for cash flows related to capital contributions or withdrawals during the period. Returns are geometrically linked on a monthly basis.

Assets Under Management Calculations

1. In this calculation, certain investment vehicles are included at either their gross asset exposure or their historical notional. These investment vehicles are included in the GIPS® AUM calculation at their fair value. Firm AUM includes AUM of Bain Capital Credit, LP, its subsidiaries and its credit vehicles managed by its AIFM affiliate.

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Endnotes

Indices Information

- 1. The Bank of America Merrill Lynch BBB & Lower Sovereign USD External Debt Index (EM Bonds) tracks the performance of US dollar denominated emerging market and cross-over sovereign debt publicly issued in the eurobond or US domestic market. Qualifying countries must have a BBB1 or lower foreign currency long-term sovereign debt rating (based on an average of Moody's, S&P and Fitch). Countries that are not rated, or that are rated "D" or "SD" by one or several rating agencies gualify for inclusion in the index but individual non-performing securities are removed.
- 2. The Bank of America Merrill Lynch U.S. All Convertibles Index (Converts) is a rule driven index. which includes all bonds and preferred stocks of U.S.-registered companies, which have \$50 million or more in aggregate market value and are convertibles in U.S. dollar-denominated common stocks, ADRs or cash equivalents.
- 3. The Bank of America Merrill Lynch US Corporate Index (HG Bonds or BAML US IG) tracks the performance of US dollar denominated investment grade corporate debt publicly issued in the US domestic market. Qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch), at least 18 months to final maturity at the time of issuance, at least one year remaining term to final maturity as of the rebalancing date, a fixed coupon schedule and a minimum amount outstanding of \$250 million.
- 4. The Bank of America Merrill Lynch US Mortgage Backed Securities Index (Agency MBS) tracks the performance of US dollar denominated fixed rate and hybrid residential mortgage pass-through securities publicly issued by US agencies in the US domestic market.
- 5. The Bank of America Merrill Lynch US Treasury & Agency Index (Tsy/Agency Debt) tracks the performance of US dollar denominated US Treasury and non-subordinated US agency debt issued in the US domestic market.
- 6. The Bank of America Merrill Lynch U.S. High Yield Master II Index (BAML US HY) tracks the performance of below investment grade U.S. dollar-denominated corporate bonds publicly issued in the US domestic market.
- 7. The Barclays U.S. Aggregate Bond Index (Investment Grade Corporates) is a broad-based, market-value-weighted benchmark that measures the performance of the U.S. dollar-denominated, investment-grade, fixed-rate, taxable bond market. Sectors in the index include Treasuries, government-related and corporate securities, mortgage-backed securities (MBS) agency fixed-rate and hybrid ARM pass-throughs -asset-backed securities (ABS), and commercial mortgage-backed securities (CMBS).
- 8. The BKLN shows the PowerShares Senior Loan ETF.
- 9. The Credit Suisse High Yield Index is designed to mirror the investable universe of the \$US-denominated high yield debt market. The highest Moody's/S&P ratings are Baa1/BB+ or Ba1/BBB+. Issues must be \$US-denominated straight corporate debt, including cashpay, zero-coupon, stepped-rate and pay-in-kind (PIK) bonds. Floating-rate and convertible bonds and preferred stock are not included.
- 10. The Credit Suisse Western European High Yield Index is designed to mirror the investible universe of the Western European high yield debt market, with issues denominated in \$US, Euro and British Pounds.
- 11. The Credit Suisse Leveraged Loan Index tracks the investable market of the U.S. dollar denominated leveraged loan market. It consists of issues rated "5B" or lower, meaning that the highest rated issues included in this index are Moody's/S&P ratings of Baa1/BB+ or Ba1/BBB+. All loans are funded term loans with a tenor of at least one year and are made by issuers domiciled in developed countries.
- 12. The Credit Suisse Western European Leveraged Loan Index (CS Western Euro LLI) is a weekly total return index that uses mark-to-market pricing to calculate market value change. The CS Western Euro LLI represents the investable universe of non-\$US-denominated Western European loan market, with fully funded term loans denominated in Western European currencies, a minimum tenor of at least one year and a Moody's/S&P rating of Baa1/BB+, Ba1/BB+ or lower; if unrated, the minimum initial spread must be 125 bps over LIBOR (or equivalent).
- 13. The High Yield Corporate Bond ETF (HYG) is an exchange-traded fund incorporated in the USA. The ETF seeks to track the investment results of an index composed of U.S. dollar-denominated, high vield corporate bonds.
- 14. The J.P. Morgan European High Yield Index (JPM Euro HY) invests primarily in European and non-European below investment grade bonds denominated in European currencies.
- 15. The J.P. Morgan High Yield Index (JPM HY) is an unmanaged index of fixed income securities of domestic and foreign issuers with a maximum credit rating of BB+ or Ba1.
- 16. The J.P. Morgan Leveraged Loan Index (JPM LL) is designed to mirror the investable universe of U.S. dollar institutional leveraged loans, including U.S. and international borrowers. The J.P. Morgan U.S. Liquid Index is a market-weighted index that measures the performance of the most liquid issues in the investment grade, dollar-denominated corporate bond market.
- 17. The monthly rate shown for the 1 Month LIBOR+300 benchmark is based on an annualized rate of the current monthly LIBOR plus 3%. This benchmark will change based on any adjustments to LIBOR. 1 Month LIBOR +300 is shown since it is the performance hurdle for the Sankaty High Income Partnership, L.P. Refer to fund documents for full details of the performance hurdle.
- 18. The S&P 500 Index (S&P 500) is a market capitalization-weighted index of common stocks of large capitalization companies. Companies in the S&P 500 Index have market capitalizations of at least \$5 billion
- 19. The S&P European Leveraged Loan Index (ELLI) is a multi-currency index that covers the European leveraged loan market back to 2003 and currently calculates on a weekly basis.
- 20. The S&P/LSTA Leveraged Loan Index (LSTA) is a daily total return index that uses mark-to-market pricing to calculate market value change. The LSTA tracks, on a real-time basis, the current outstanding balance and spread over LIBOR for fully funded term loans. The facilities included in the LSTA represent a broad cross section of leveraged loans syndicated in the United States, including dollar-denominated loans to overseas issuers.
- 21. The S&P/LSTA U.S. Leveraged Loan 100 (LL100) is a market value-weighted index designed to measure the performance of the U.S. leveraged loan market. The index consists of 100 loan facilities drawn from a larger benchmark the S&P/LSTA (Loan Syndications and Trading Association) Leveraged Loan Index (LLI).
- 22. The S&P MidCap 400 provides investors with a benchmark for mid-sized companies. The index, which is distinct from the large-cap S&P 500®, measures the performance of mid-sized companies, reflecting the distinctive risk and return characteristics of this market segment.
- 23. The S&P SmallCap 600 measures the small-cap segment of the U.S. equity market. The index is designed to track companies that meet specific inclusion criteria to ensure that they are liquid and financially viable.



Endnotes

Indices Information Continued

- 24. The 50/50 LSTA/BAML US HY Blend Index is weighted as follows: 50% in the LSTA Index and 50% in the Bank of America Merrill Lynch US High Yield Master II Index.
- 25. These indices may not necessarily be indicative of the investment strategies for the investment vehicles advised by Bain Capital Credit. Assets and securities contained within indices are different than the assets and securities contained in Bain Capital Credit's investment vehicles and will therefore have different risk and reward profiles. Prospective investors should note that there are significant differences between the investment vehicles advised by Bain Capital Credit and the investments included in the various indices described herein. The investment vehicles advised by Bain Capital Credit will not necessarily invest in any of the investments that are included in an index, and may invest in types of investments not included in any index. The investment vehicles advised by Bain Capital Credit may have higher levels of risk, including through the limited use of leverage and concentrated positions, and volatility.
- 26. The returns of the indices are provided solely as an illustration of the market and economic conditions generally prevailing during the periods shown. Indices are not investments, are not professionally managed and do not reflect deductions for fees or expenses.



Endnotes: GIPS® Presentation

Bain Capital Senior Loan Composite excluding CLOs

November 1, 2008 through December 31, 2016

Year	Gross-of-Fees Return (%)	Net-of-Fees Return (%)	Benchmark Return [†] (%)	Composite 3-Yr St Dev (%)	Benchmark 3-Yr St Dev (%)	Number of Portfolios	Internal Dispersion (%)	Total Composite Assets (USD millions)	Composite Percentage of Firm Assets (%)	Total Firm Assets (USD millions)
2008*	-5.09%	-5.18%	-11.20%	N/A	N/A	1	N/A	\$484.5	3.51%	\$13,803.3
2009	43.79%	43.05%	51.62%	N/A	N/A	2	N/A	\$738.6	4.07%	\$18,168.4
2010	13.89%	13.32%	10.13%	N/A	N/A	3	N/A	\$892.8	5.15%	\$17,332.0
2011	4.68%	4.15%	1.52%	7.39%	8.43%	4	N/A	\$1,210.2	7.85%	\$15,411.1
2012	12.28%	11.68%	9.66%	4.88%	4.42%	4	N/A	\$1,384.9	7.38%	\$18,764.1
2013	6.95%	6.40%	5.29%	4.17%	3.77%	7	N/A	\$1,722.0	7.93%	\$21,714.3
2014	1.51%	1.02%	1.60%	2.68%	2.10%	13	N/A	\$3,170.2	12.79%	\$24,789.4
2015	0.04%	-0.46%	-0.69%	2.34%	2.14%	13	0.79%	\$4,044.1	14.04%	\$28,799.9
2016	9.79%	9.29%	10.16%	2.71%	2.89%	14	0.82%	\$4,630.8	14.50%	\$31,945.4
*Represe	nts performance fron	n November 1, 200	8 – December 31,	2008.						

Bain Capital Credit, LP (formerly Sankaty Advisors, LP) claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Bain Capital Credit, LP has been independently verified for the periods January 1, 2001 – December 31, 2016. Verification assesses whether (1) the firm has complied with all the composite construction requirements of the GIPS standards on a firm-wide basis and (2) the firm's policies and procedures are designed to calculate and present performance in compliance with the GIPS standards. The Bain Capital Senior Loan Composite excluding CLOs (formerly Sankaty Senior Loan Composite excluding CLOs) has been examined for the periods November 1, 2008 – December 31, 2016. The verification and performance examination reports are available upon request.

Firm and Composite Information

Bain Capital Credit, LP, the credit affiliate of Bain Capital, LP, is an investment advisor registered with the Securities and Exchange Commission under the Investment Advisers Act of 1940. Bain Capital Credit, LP invests in a wide variety of securities and investments, including leveraged loans, high-yield bonds, distressed/stressed debt, mezzanine debt, structured products and equities.

The Bain Capital Senior Loan Composite excluding CLOs invests in assets that are predominately bank loans and corporate bonds.

The Bain Capital Senior Loan Composite excluding CLOs was created on February 1, 2012. As of January 7, 2014, the Bain Capital Credit, LP Unlevered Loan Composite was renamed the Bain Capital Senior Loan Composite excluding CLOs. A complete list and description of firm composites is available upon request.

Benchmark

† The benchmark presented is the LSTA Leveraged Loan Index. Benchmark returns are not covered by the report of independent verifiers.

Performance Calculations

Valuations and returns are computed and stated in U.S. dollars. Results reflect the reinvestment of dividends and other earnings.

Gross-of-fees returns are presented before management fees, operating expenses, and carried interest, but after all trading expenses and withholding taxes. Net-of-fees returns are presented before operating expenses but after all actual custodial fees, management fees, all transaction expenses, and carried interest. Prior to January 7, 2014, Net-of-fees returns were presented after management fees, operating expenses, all trading expenses, and withholding taxes.



Endnotes: GIPS® Presentation

Bain Capital Senior Loan Composite excluding CLOs

November 1, 2008 through December 31, 2016

A representative fee for the Bain Capital Senior Loan Composite excluding CLOs is 0.50% per annum though the actual management fees can vary by account structure and size. Additional details are available upon request.

Internal dispersion is calculated using the asset-weighted standard deviation of all accounts included in the composite for the entire year; it is not presented for periods less than one year or when there were five or fewer portfolios in the composite for the entire year.

The three-year annualized standard deviation measures the variability of the composite and the benchmark returns over the preceding 36-month period.

The composite uses forward currency contracts to attempt to hedge foreign exchange risk. Additional information regarding policies for valuing portfolios, calculating performance, and preparing compliant presentations are available upon request.

Past performance does not guarantee future results.





AGENDA ITEM SUMMARY

1. NAME OF ITEM: Defined Contribution Plan – Quarterly Review

2. INITIATED BY: Kelly Martin, Chair

3. BOARD INFORMATION: X BOARD ACTION:

4. OUTCOME: BOARD POLICY:

Primary Outcome: Section 709 - Investments

Enhance fiscal positioning

5. BACKGROUND:

Michael Pratico, Senior Vice President with CAPTRUST Financial Advisors, will provide a quarterly update regarding the Defined Contribution Plan at the June 14, 2018 Investment Committee meeting.

University of Maine System 1st Quarter, 2018

DEFINED CONTRIBUTION QUARTERLY REVIEW

CAPTRUST

4208 Six Forks Road, Suite 1700 Raleigh, NC 27609

Our mission is to enrich the lives of our clients, colleagues and communities through sound financial advice, integrity, and a commitment to service beyond expectation.

IN THIS REVIEW Period Ending 3.31.18 | Q1 18

University of Maine System

University of Maine System Defined Contribution Plans

1st Quarter, 2018 Quarterly Review

prepared by:

Michael S. Pratico

Senior Vice President | Financial Advisor

Barron V. Schmitt

Senior Vice President | Financial Advisor

Section 1

RETIREMENT INDUSTRY UPDATES

Section 2

MARKET COMMENTARY AND REVIEW

Section 3

PLAN INVESTMENT REVIEW

Section 4

FUND FACT SHEETS

Appendix

SECTION 1: RETIREMENT INDUSTRY UPDATES

Period Ending 3.31.18 | Q1 18

University of Maine System

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Industry Updates...

IMPACT OF RISING RATES ON DEFINED CONTRIBUTION INVESTMENTS

The Federal Reserve has raised interest rates six times since the end of 2015 and is likely to raise them further in 2018 due to a strengthening U.S. economy. Higher interest rates can benefit retirement savers because they offer higher yields on savings and higher income in retirement. But rising interest rates may not be a positive for all investors. Below we discuss considerations for some common retirement plan investments.



FIXED INCOME

Active core/core-plus managers:

- Have the ability to be tactical
- May avoid certain sectors or alter duration relative to a benchmark
- Core-plus managers typically have exposure to more diverse sectors than core managers

Passive core managers:

- May have more interest rate sensitivity than active managers
- Are usually concentrated in highquality sectors
- May be unable to alter duration relative to a benchmark



Money market funds:

- Type of money market matters
- Clawback fee provisions may affect investor returns

Stable value funds:

- Underlying bond portfolios vary greatly by manager
- Durations can range from 1.5 to 6 years

General account quaranteed funds:

- Contract terms vary by client
- Rate methodology and liquidity provisions can have a big impact



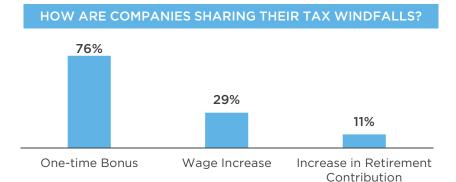
Active and passive series:

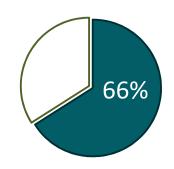
- Often the single most used investment option in a defined contribution plan
- Shape and slope of the glidepath are the most impactful variables
- Ability to be tactical with the glidepath varies by manager
- Composition and duration of the fixed income portion of portfolios vary among target date series, even for passive products
- Exposure to uncorrelated asset classes may serve to offset losses within the fixed income portfolio

The investments in your retirement plan will be impacted by rising interest rates, but the degree depends on many factors. Plan sponsors should understand what they own and how plan investments may be affected and be prepared to answer participant questions.

WHEN TAX REFORM MEETS TIGHT LABOR MARKETS

According to U.S. taxpayer advocacy group Americans for Tax Reform, more than 400 companies have reported a change in their approach to employee wages and benefits as a result of tax reform, including one or more of the following: one-time bonuses, wage increases, and increased contributions into retirement programs.





Of the two-thirds of employers implementing or considering a change to benefits, the most common changes being considered are:

- Expanding personal financial planning (34%); and
- Increasing 401(k) contributions (26%).

Source: PLANSPONSOR Magazine, Willis Towers Watson

NOTABLE COMPANIES INCREASING PLAN CONTRIBUTIONS

Aflac MasterCard
Anthem Nationwide
AutoNation Penske Auto
Cigna Starbucks
Honeywell SunTrust Bank
Hostess Visa

Source: Americans for Tax Reform, www.atr.org

THINGS TO CONSIDER

- It's important for employers to periodically evaluate their retirement programs' competitiveness. This need is heightened by companies touting how they are sharing the rewards of tax reform with employees.
- Although passthrough entities—such as S-corporations, limited liability corporations, and sole proprietorships—did not receive the same tax breaks as C-corporations, they must compete for talent and cannot ignore current wage and benefit trends.

FIDUCIARY UPDATE (UPDATED AS OF MAY 7, 2018)

On March 15, the 5th Circuit Court of Appeals, which covers Texas, Louisiana, and Mississippi, vacated the Fiduciary Rule, finding that the Department of Labor (DOL) overreached its authority. In doing so, the Fiduciary Rule, in it's current form, has been vacated in its entirety, with no formal challenge by the DOL.

WHAT LED THE COURT TO THIS DECISION?

- The court found the DOL's "fiduciary" definition too broad.
- The rule removed the line between fiduciaries and brokers or agents acting in a sales role, a distinction recognized by ERISA.
- The DOL violated a Supreme Court precedent that only Congress can create rights of action.
- Imposing the Best Interest Contract requirement for individual retirement accounts was an abuse of authority.

THE FIDUCIARY RULE IS VACATED - NOW WHAT?

- The definition of investment advice will revert back to what it was from 1975 through June 2017, and the rule's prohibited transaction exemptions will disappear, most notably the Best Interest Contract (BIC) Exemption.
- The Securities Exchange Commission (SEC) proposed its own best interest standard on April 18 and is in the middle of a 90day comment period. Several states, have indicated interest in their own fiduciary rules.
- On May 7, the DOL issued Field Assistance Bulletin 2018-02 saying that the "Department will not pursue prohibited transactions claims against investment advice fiduciaries who are working diligently and in good faith to comply with the impartial conduct standards for transactions that would have been exempted..."

WHERE ARE WE NOW?

- The deadline for the DOL to challenge the ruling directly to the 5th Circuit Court of Appeals passed, so the decision to vacate stands.
- As a result, the Fiduciary Rule in its totality will be completely vacated, and it will be as if the rule never existed.
- Of note, technically, the DOL still has a window to appeal to the U.S. Supreme Court, but most industry experts do not expect the Department to take this step.

WHAT SHOULD PLAN SPONSORS DO?

- Understand what changes will occur with your providers' services once the rule is vacated.
- Understand what, if any, decisions you need to make regarding your providers' services, including any agreement amendments.
- Evaluate any potential disruption to your participants resulting from service changes.
- Document your information gathering and analysis and any decisions made.
- Monitor developments from other regulators like the SEC and legislative entities, including Congress and state legislatures, for guidance, rules, or laws related to new fiduciary standards.

SECTION 2: MARKET COMMENTARY AND REVIEW

Period Ending 3.31.18 | Q1 18

University of Maine System

SECTION 2: MARKET COMMENTARY AND REVIEW
Market Commentary
Market Commentary
Market Review
Asset Class Returns
Index Performance

Emerging

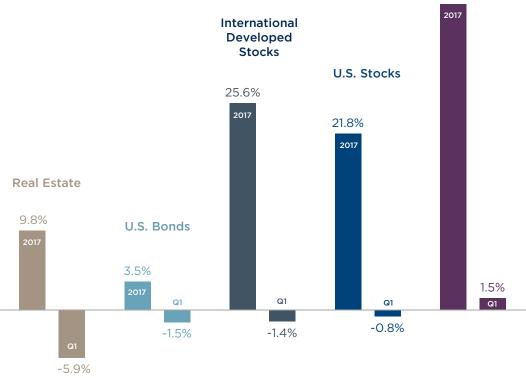
Market Stocks

37.8%

VOLATILITY REASSERTS ITSELF

After a strong start to the year, U.S. and international stocks came under pressure in February and March. While the U.S. (and global) economy seems to be on solid ground, concerns about rising interest rates and escalating trade tensions have roiled markets.

- U.S. stocks continued their 2017 rally into January, but the budget debate and trade tensions between the U.S. and China created volatility later in the quarter. They closed the quarter down slightly.
- International developed stocks followed a similar pattern and are also down slightly for the year.
- Emerging market stocks benefited from a weaker
 U.S. dollar and remain in positive territory.
- Bonds fell in January and February but rose modestly in March when investors sought shelter from market volatility. They fared better than stocks during the recent selloff.
- Following sharp declines in January and February, public real estate rebounded in March as lower interest rates provided a tailwind.



Asset class returns are represented by the following indexes: S&P 500 Index (U.S. large-cap stocks), MSCI EAFE Index (international stocks), MSCI Emerging Markets Index (emerging market stocks), Bloomberg Barclays U.S. Aggregate Bond Index (U.S. bonds), and Dow Jones U.S. Real Estate Index (real estate).

MARKET REVIEW

Period Ending 3.31.18 | Q1 18

DIGGING DEEPER - STOCKS AND BONDS

Equities

	QTD 2018	YTD 2018	Last 12 Months
U.S. Stocks	-0.8%	-0.8%	11.8%
- Best Sector: Technology	3.5%	3.5%	29.7%
- Worst Sector: Telecom	-7.5%	-7.5%	-2.7%
International Stocks	-1.4%	-1.4%	11.7%
Emerging Market Stocks	1.5%	1.5%	22.0%

Fixed Income

	3.31.18	12.31.17	3.31.17
1-Year U.S. Treasury Yield	2.09%	1.76%	1.03%
10-Year U.S. Treasury Yield	2.74%	2.40%	2.40%
	QTD 2018	YTD 2018	Last 12 Months
10-Year U.S. Treasury Total Return	-2.25%	-2.25%	-0.74%

Equities - Relative Performance by Market Capitalization and Style

	QTI	2018		YTD 2018					2017				
	Value	Blend	Growth		Value	Blend	Growth		Value	Blend	Growth		
Large	-2.8%	-0.8%	1.4%	Large	-2.8%	-0.8%	1.4%	Large	13.7%	21.8%	30.2%		
Mid	-2.5%	-0.5%	2.2%	Mid	-2.5%	-0.5%	2.2%	Mid	13.3%	18.5%	25.3%		
Small	-2.6%	-0.1%	2.3%	Small	-2.6%	-0.1%	2.3%	Small	7.8%	14.6%	22.2%		

Asset class returns are represented by the following indexes: S&P 500 Index (U.S. large-cap stocks), MSCI EAFE Index (international stocks), and MSCI Emerging Markets Index (emerging market stocks). Relative Performance by Market Capitalization and Style is based upon the Russell Pure Style Indexes except for large-cap blend, which is based upon the S&P 500 Index. Source: Bloomberg and JP Morgan.

ECONOMIC OUTLOOK

The global economic picture typically consists of favorable attributes (tailwinds) and challenges (headwinds). Here, we provide our perspective on both and offer our view on which side has the upper hand.

TAILWINDS

Tax Cut Boosts Pay and Consumer Confidence

- Pay increases for many and federal tax withholding rates have been lowered.
- Early surveys show an increase in after-tax take-home pay for many.
- The University of Michigan's Index of Consumer Sentiment is at its highest level in more than 10 years.

Blue Collar Bounce

- Manufacturing and construction job growth is accelerating.
- Home Depot donated \$50 million to train 20,000 new construction workers.
- 425 firms have offered \$9.6 billion in bonuses or increased wages or other benefits to 3.7 million workers.

Business Confidence Bodes Well

- The National Federation of Independent Business Optimism Index hit a 10-year high, returning to its 2005 peak.
- The Federal Reserve of Philadelphia's survey of future capital equipment spending is at the highest level since 1984.

HEADWINDS

Midterm Maelstrom

- Midterm election years typically experience more volatile markets until the fall—setting up a nice rally the following year.
- Midterm elections are about turnout, and turnout is driven by emotion. The Democrats have it at present.
- If the election were held today, the House and the Senate would flip from Republican to Democrat control.

Trump Trade Tariffs—Politics Trump Stock Prices

- Steel and aluminum tariffs announced in late February were substantially revised and diluted afterwards.
- Intellectual property tariffs announced in late March could be more negotiating tactics than final decisions.

Privacy Concerns for Tech Companies

 Increasing public distrust of Facebook and other tech companies may trigger increased government regulation that could depress tech stock prices.

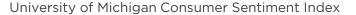
Rising Gas Prices

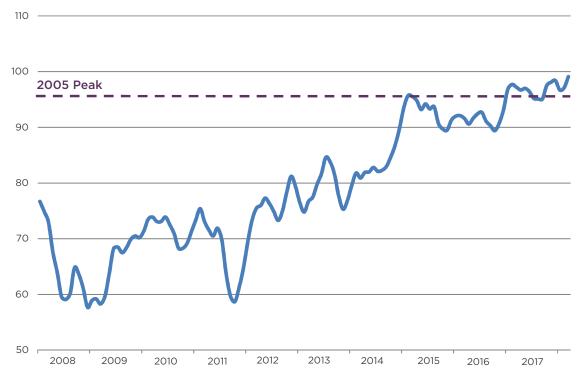
- Gas prices today are 30 cents higher than last year—now \$2.60/gallon.
- At \$3.00/gallon, the increase would consume the extra takehome pay for many workers earning less than \$40,000.

Overall, the global economic backdrop continues to strengthen. At current valuations, international stocks are more attractively priced than U.S. stocks.

TAX CUTS SPUR CONSUMER CONFIDENCE

Consumer sentiment is at a post-recession high and the best reading in more than 10 years. Consumers feel confident because jobs are easy to get and unemployment is low. Nationally, the prices of homes—the single largest asset for many Americans—have climbed to new peaks, surpassing 2006 price levels.





Source: University of Michigan

- According to taxpayer advocacy group Americans for Tax Reform, 425 firms have announced one-time bonuses or increased wages or other benefits, such as higher 401(k) matches and spending on participant advice and financial wellness programs, totaling \$9.6 billion.
- A recent LendEDU survey found the average increase in take-home pay resulting from the tax cuts was 3.5%. This, combined with a national average annual raise of 2.5%, amounts to a noticeably larger-thanaverage increase in annual income.

INCREASE IN MANUFACTURING EMPLOYMENT

The tremendous incentives for corporate reinvestment enacted in the Tax Cuts and Jobs Act—combined with older and less productive plant and equipment—augur for a strong and long period of investment in capital and equipment. Firms are hiring in both the manufacturing and construction sectors. Our recent discussions with clients across the country have confirmed government reports of the scarcity of skilled manufacturing and construction workers.

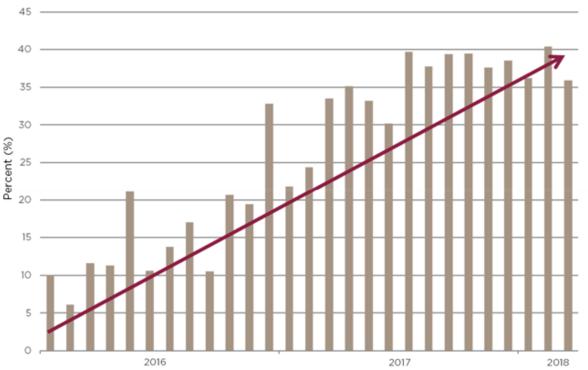


- Numerous Federal Reserve
 District reports have highlighted
 the growing shortage of skilled
 manufacturing, construction, and
 information technology workers.
- China's manufacturing cost advantage is nearly gone. In 2004, it was 14% less expensive to manufacture goods in China and transport them to the U.S. Now, it is just 1% less expensive than manufacturing in the U.S.

FIRMS PLAN INCREASED REINVESTMENT

Business confidence is high. One measure, the National Federation of Independent Business Optimism Index, is at a 10-year high. As a result, businesses plan to increase their capital expenditures by more than 12% from last year.

Percent of Firms Planning Increased Capital Expenditures



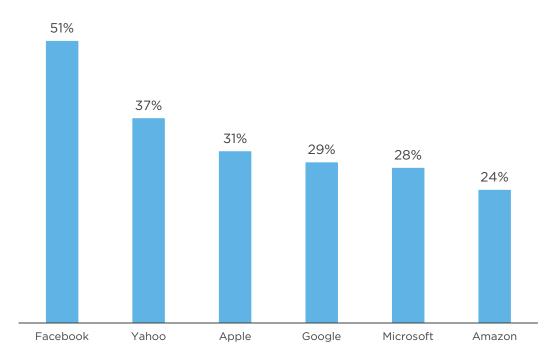
Source: Federal Reserve Bank of Philadelphia

- Corporations will have more aftertax profits because the marginal corporate tax rate has been cut from 35% to 21%.
- In addition, corporations benefit from the provision in the new tax law that allows 100% write-off of reinvestment via capital expenditure in most cases.
- Corporate plant and equipment is old. Surveys show that the average age of plant and equipment is 13 years old, older than the first iPhone!
- The average age of plant and equipment is the oldest since 1950 and has gotten older each year since 2000.

PRIVACY CONCERNS FOR TECH COMPANIES

Facebook has garnered lots of negative publicity recently with reports that it might have allowed political organizations to download users' data and preferences without consent. This latest scandal highlights the importance of protecting your personal information and the responsibility technology companies have to ensure your privacy. These companies may face increased regulation in the future.

I Do Not Trust These Companies to Obey Laws That Protect Your Personal Information



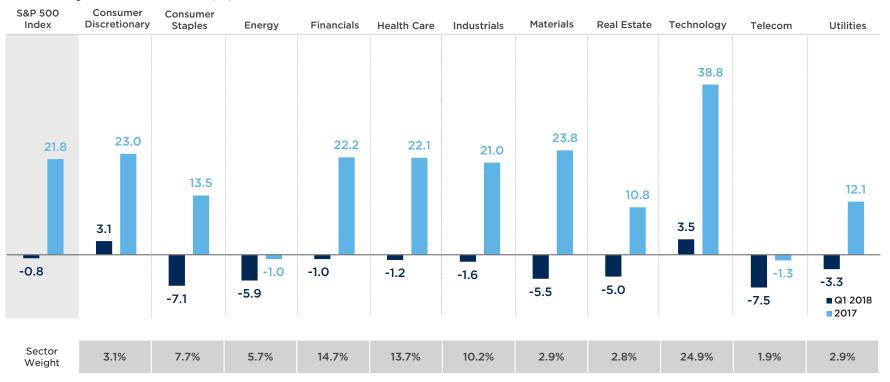
Source: Reuters/Ipsos Public Opinion Poll

- More than half of Facebook's users don't trust the company to protect their personal information compared to 75% of users who trust Amazon.
- Mark Zuckerberg testified before Congress, and Facebook is also being sought to testify in front of several governmental bodies in Europe as well.
- Price-to-earnings valuation multiples for more highly regulated firms tend to be lower than for less regulated firms. Increased regulation may bring tech stock prices down to earth.

DIGGING DEEPER: U.S. EQUITY MARKETS

The S&P 500 Index is a market-capitalization-weighted index of U.S. large-cap stocks across 11 diverse industry sectors.

Returns by S&P 500 Sector (%)



Source: Standard & Poor's, J.P. Morgan Asset Management, Cornerstone Macro. Data as of 3.31.2018. All calculations are cumulative total return, not annualized, including dividends for the stated period. Past performance is not indicative of future returns.

ASSET CLASS RETURNS Period Ending 3.31.18 | Q1 18

2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	YTD 2018
International Equities 14.02%	International Equities 26.86%	Large-Cap Growth 11.81%	Fixed Income 5.08%	Mid-Cap Growth 46.29%	Small-Cap Growth 29.09%	Fixed Income 7.84%	Mid-Cap Value 18.51%	Small-Cap Growth 43.30%	Mid-Cap Value 14.75%	Large-Cap Growth 5.67%	Small-Cap Value 31.74%	Large-Cap Growth 30.21%	Small-Cap Growth 2.30%
Mid-Cap Value 12.65%	Small-Cap Value 23.48%	International Equities 11.63%	Cash 1.51%	Large-Cap Growth 37.21%	Mid-Cap Growth 26.38%	Large-Cap Growth 2.64%	Small-Cap Value 18.05%	Mid-Cap Growth 35.74%	Large-Cap Value 13.45%	Fixed Income 0.55%	Mid-Cap Value 20.00%	International Equities 25.62%	Mid-Cap Growth 2.17%
Mid-Cap Growth 12.10%	Large-Cap Value 22.25%	Mid-Cap Growth 11.43%	Small-Cap Value -28.92%	Small-Cap Growth 34.47%	Mid-Cap Value 24.75%	Large-Cap Value 0.39%	International Equities 17.90%	Small-Cap Value 34.52%	Large-Cap Growth 13.05%	Cash 0.05%	Large-Cap Value 17.34%	Mid-Cap Growth 25.27%	Large-Cap Growth 1.42%
Large-Cap Value 7.05%	Mid-Cap Value 20.22%	Fixed Income 7.39%	Large-Cap Value -36.85%	Mid-Cap Value 34.21%	Small-Cap Value 24.50%	Cash 0.10%	Large-Cap Value 17.51%	Large-Cap Growth 33.48%	Mid-Cap Growth 11.90%	Mid-Cap Growth -0.20%	Small-Cap Growth 11.32%	Small-Cap Growth 22.17%	Cash 0.35%
Large-Cap Growth 5.26%	Small-Cap Growth 13.35%	Small-Cap Growth 7.05%	Mid-Cap Value -38.44%	International Equities 32.46%	Large-Cap Growth 16.71%	Mid-Cap Value -1.38%	Mid-Cap Growth 15.81%	Mid-Cap Value 33.46%	Fixed Income 5.97%	International Equities -0.39%	Mid-Cap Growth 7.33%	Large-Cap Value 13.66%	International Equities -1.41%
Small-Cap Value 4.71%	Mid-Cap Growth 10.66%	Cash 4.71%	Large-Cap Growth -38.44%	Small-Cap Value 20.58%	Large-Cap Value 15.51%	Mid-Cap Growth -1.65%	Large-Cap Growth 15.26%	Large-Cap Value 32.53%	Small-Cap Growth 5.60%	Small-Cap Growth -1.38%	Large-Cap Growth 7.08%	Mid-Cap Value 13.34%	Fixed Income -1.46%
Small-Cap Growth 4.15%	Large-Cap Growth 9.07%	Large-Cap Value -0.17%	Small-Cap Growth -38.54%	Large-Cap Value 19.69%	International Equities 8.21%	Small-Cap Growth -2.91%	Small-Cap Growth 14.59%	International Equities 23.29%	Small-Cap Value 4.22%	Large-Cap Value -3.83%	Fixed Income 2.65%	Small-Cap Value 7.84%	Mid-Cap Value -2.50%
Cash 3.35%	Cash 5.08%	Mid-Cap Value -1.42%	International Equities -43.06%	Fixed Income 5.24%	Fixed Income 5.89%	Small-Cap Value -5.50%	Fixed Income 4.22%	Cash 0.07%	Cash 0.03%	Mid-Cap Value -4.78%	International Equities 1.51%	Fixed Income 3.54%	Small-Cap Value -2.64%
Fixed Income 1.58%	Fixed Income 4.08%	Small-Cap Value -9.78%	Mid-Cap Growth -44.32%	Cash 0.21%	Cash 0.13%	International Equities -11.73%	Cash 0.11%	Fixed Income -2.02%	International Equities -4.48%	Small-Cap Value -7.47%	Cash 0.33%	Cash 0.86%	Large-Cap Value -2.83%
1.58% Small-Ca Small-Ca	4.08% p Value Stocks p Growth Stoc		-44.32% O Value) OO Growth)	Larg Mid-	0.13% e-Cap Value St Cap Growth St Cap Value Stoo	-11.73% tocks (Russell 1 ocks (Russell N	1000 Value) Mid-Cap Growt	-2.02%	-4.48% Internati Fixed Inc	-7.47% onal Equities (come (Bloomb	MSCI EAFE)	.S. Aggregate	-2.839

The information contained in this report is from sources believed to be reliable, but not warranted by CAPTRUST Financial Advisors to be accurate or complete.

INDEX PERFORMANCE

Period Ending 3.31.18 | Q1 18

INDEXES	Q1 2018	YTD 2018	2017	2016	2015	2014	2013	1 YEAR	3 YEAR	5 YEAR	10 YEAR
90-Day US Treasury	0.35%	0.35%	0.86%	0.33%	0.05%	0.03%	0.07%	1.11%	0.53%	0.34%	0.34%
Bloomberg Barclays Government 1-3 Year	-0.15%	-0.15%	0.45%	0.87%	0.57%	0.64%	0.37%	0.02%	0.40%	0.53%	1.22%
Bloomberg Barclays Intermediate Govt	-0.73%	-0.73%	1.14%	1.05%	1.18%	2.52%	-1.25%	-0.14%	0.46%	0.75%	2.21%
Bloomberg Barclays Muni Bond	-1.11%	-1.11%	5.45%	0.25%	3.30%	9.05%	-2.55%	2.66%	2.25%	2.73%	4.40%
Bloomberg Barclays Intermediate Govt/Credit	-0.98%	-0.98%	2.14%	2.08%	1.07%	3.13%	-0.86%	0.35%	0.94%	1.25%	2.92%
Bloomberg Barclays Intermediate Credit	-1.36%	-1.36%	3.67%	3.68%	0.90%	4.16%	-0.17%	1.10%	1.67%	2.05%	4.27%
Bloomberg Barclays Aggregate Bond	-1.46%	-1.46%	3.54%	2.65%	0.55%	5.97%	-2.02%	1.20%	1.20%	1.82%	3.63%
Bloomberg Barclays Corporate IG Bond	-2.32%	-2.32%	6.42%	6.11%	-0.68%	7.46%	-1.53%	2.70%	2.30%	3.02%	5.42%
Bloomberg Barclays High Yield	-0.86%	-0.86%	7.50%	17.13%	-4.47%	2.45%	7.44%	3.78%	5.17%	4.99%	8.27%
Bloomberg Barclays US Long Corporate	-4.05%	-4.05%	12.09%	10.97%	-4.61%	15.73%	-5.68%	6.11%	3.30%	4.83%	7.68%
S&P 500	-0.76%	-0.76%	21.83%	11.96%	1.38%	13.69%	32.39%	13.99%	10.78%	13.31%	9.49%
Dow Jones Industrial Average	-1.96%	-1.96%	28.11%	16.50%	0.21%	10.04%	29.65%	19.39%	13.48%	13.32%	9.86%
NASDAQ Composite	2.33%	2.33%	28.24%	7.50%	5.73%	13.40%	38.32%	19.50%	12.96%	16.67%	11.98%
Russell 1000 Value	-2.83%	-2.83%	13.66%	17.34%	-3.83%	13.45%	32.53%	6.95%	7.88%	10.78%	7.78%
Russell 1000	-0.69%	-0.69%	21.69%	12.05%	0.92%	13.24%	33.11%	13.98%	10.39%	13.17%	9.61%
Russell 1000 Growth	1.42%	1.42%	30.21%	7.08%	5.67%	13.05%	33.48%	21.25%	12.90%	15.53%	11.34%
Russell Mid-Cap Value Index	-2.50%	-2.50%	13.34%	20.00%	-4.78%	14.75%	33.46%	6.50%	7.23%	11.11%	9.81%
Russell Mid-Cap Index	-0.46%	-0.46%	18.52%	13.80%	-2.44%	13.22%	34.76%	12.20%	8.01%	12.09%	10.21%
Russell Mid-Cap Growth Index	2.17%	2.17%	25.27%	7.33%	-0.20%	11.90%	35.74%	19.74%	9.17%	13.31%	10.61%
MSCI EAFE	-1.41%	-1.41%	25.62%	1.51%	-0.39%	-4.48%	23.29%	15.32%	6.05%	6.98%	3.23%
MSCI ACWI ex US	-1.08%	-1.08%	27.77%	5.01%	-5.25%	-3.44%	15.78%	17.05%	6.68%	6.37%	3.17%
Russell 2000 Value	-2.64%	-2.64%	7.84%	31.74%	-7.47%	4.22%	34.52%	5.13%	7.87%	9.96%	8.61%
Russell 2000	-0.08%	-0.08%	14.65%	21.31%	-4.41%	4.89%	38.82%	11.79%	8.39%	11.47%	9.84%
Russell 2000 Growth	2.30%	2.30%	22.17%	11.32%	-1.38%	5.60%	43.30%	18.63%	8.77%	12.90%	10.95%
MSCI Emerging Markets	1.47%	1.47%	37.75%	11.60%	-14.60%	-1.82%	-2.27%	25.37%	9.21%	5.37%	3.36%
Dow Jones US Real Estate Index	-5.91%	-5.91%	9.84%	7.56%	2.14%	27.24%	1.77%	0.13%	2.88%	6.28%	6.36%
HFRX Absolute Return Index	0.30%	0.30%	3.40%	0.31%	2.86%	0.79%	3.58%	3.03%	1.71%	2.20%	-0.68%
Consumer Price Index (Inflation)	1.00%	1.00%	2.11%	2.07%	0.73%	0.76%	1.50%	2.21%	1.99%	1.41%	1.64%
BLENDED BENCHMARKS	Q1 2018	YTD 2018	2017	2016	2015	2014	2013	1 YEAR	3 YEAR	5 YEAR	10 YEAR
25% S&P 500/5% MSCI EAFE/70% Barclays Agg	-1.22%	-1.22%	8.93%	5.00%	0.92%	7.37%	7.01%	5.04%	3.89%	4.97%	5.33%
30% S&P 500/10% MSCI EAFE/60% Barclays Agg	-1.17%	-1.17%	10.90%	5.43%	0.95%	7.21%	9.92%	6.38%	4.64%	5.82%	5.66%
35% S&P 500/15% MSCI EAFE/50% Barclays Agg	-1.13%	-1.13%	12.90%	5.85%	0.97%	7.04%	12.89%	7.72%	5.37%	6.67%	5.96%
40% S&P 500/20% MSCI EAFE/40% Barclays Agg	-1.10%	-1.10%	14.93%	6.26%	0.96%	6.87%	15.93%	9.07%	6.10%	7.51%	6.23%
45% S&P 500/25% MSCI EAFE/30% Barclays Agg	-1.07%	-1.07%	16.99%	6.65%	0.93%	6.69%	19.04%	10.43%	6.82%	8.34%	6.47%
60% S&P 500/40% Barclays Agg	-0.97%	-0.97%	14.21%	8.31%	1.28%	10.62%	17.56%	8.81%	6.99%	8.72%	7.42%

The opinions expressed in this report are subject to change without notice. This material has been prepared or is distributed solely for informational purposes and is not a solicitation or an offer to buy any security or to participate in any investment strategy. The performance data quoted represents past performance and does not guarantee future results. Index averages are provided for comparison purposes only. The information and statistics in this report are from sources believed to be reliable but are not guaranteed to be accurate or complete. CAPTRUST Financial Advisors is an investment adviser registered under the Investment Advisers Act of 1940. Sources: Morningstar Direct, MPI

SECTION 3: PLAN INVESTMENT REVIEW

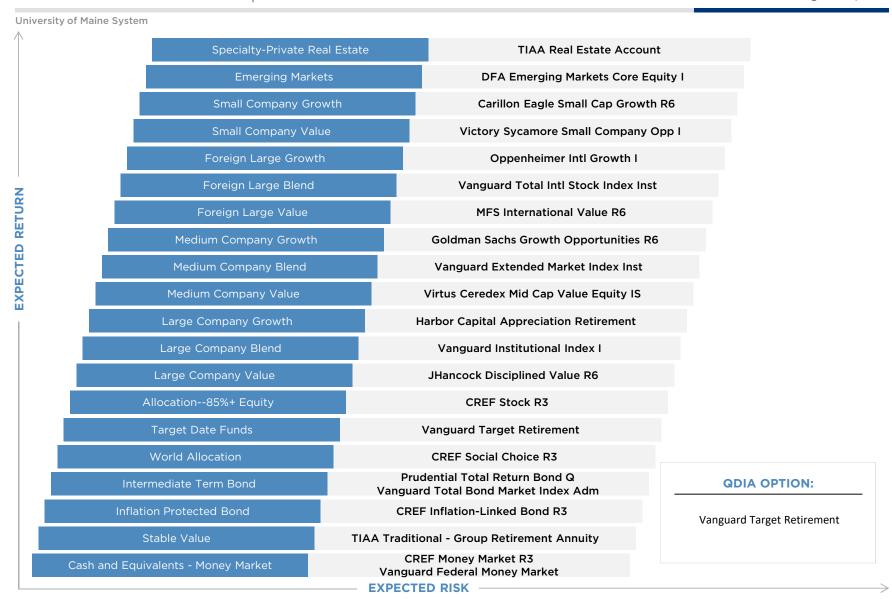
Period Ending 3.31.18 | Q1 18

University of Maine System

SECTION 3: PLAN INVESTMENT REVIEW
Plan Investment Menu Review
Plan Assets
Investment Policy Monitor
Investment Review Select Commentary
Investment Performance Summary
Plan Performance Measurement

PLAN INVESTMENT REVIEW | PLAN MENU

Period Ending 3.31.18 | Q1 18



PLAN INVESTMENT REVIEW | EXECUTIVE ASSET SUMMARY

Period Ending 3.31.18 | Q1 18

University of Maine System

Plan Name	Plan/Contract Number	Plan Assets
University of Maine System Retirement Plan for Faculty and Professionals 403(b) DC	102965	\$1,238,244,784
University of Maine System Retirement Tax Deferred Annuity Plan 403(b) TDA	102966	\$161,628,595
University of Maine System Optional Retirement Savings 403(b)	102967	\$1,421,103
University of Maine System Optional Retirement Savings 401(a)	102968	\$1,198,982
University of Maine System Basic Retirement Plan for Classified Employees 403(b)	102969	\$36,682,575
University of Maine System Basic Retirement Plan for Classified Employees 401(a)	102970	\$69,218,761
University of Maine System Deferred Compensation Plan 457(b)	102971	\$30,316,963
	TOTALS	\$1,538,711,763

UTIAA

University of Maine System *
Alternate Carrier Transfers In
Date Range January 1, 2018 - March 31, 2018

Alternate Carrier	Amount
VALIC	\$ 80,116.50
VOYA	\$357,864.44
MID ATLANTIC TRUST COMPANY	\$ 3,443.99
Total	\$441,424.93

* 7 plans : 102965, 102966, 102967, 102968, 102969, 102970 & 102971



Disclosures

The data provided is for informational purposes only. It is not intended as an offer or solicitation or any similar communication being made for the purchase or sale of any financial instrument / product or as an official confirmation or as an official statement on any transaction.

Pursuant to your request for information, enclosed you will find data related to the Plan(s) and/or investments specified. You have solicited this information for fiduciary due diligence and review purposes related to the referenced Plan. This report should not be used for regulatory filings or for benefit statements.

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These numbers include non-approved assets held at TIAA-CREF that are no longer available for additional investments.

Period Ending 3.31.18 | Q1 18

University of Maine System Retirement Plan for Faculty and Professionals 403(b) DC - 1029	
	35

		_	MARKET	VALUE —	
FUND OPTION	CURRENT INVESTMENT NAME	12.31.2017	(%)	CURRENT	(%)
Cash and Equivalents - Money Market	CREF Money Market R3	\$8,746,690	0.70%	\$9,030,657	0.73%
Cash and Equivalents - Money Market	Vanguard Federal Money Market	\$990,060	0.08%	\$1,792,631	0.14%
Stable Value	TIAA Traditional - Group Retirement Annuity	\$434,258,268	34.92%	\$433,561,888	35.01%
Inflation Protected Bond	CREF Inflation-Linked Bond R3	\$13,593,255	1.09%	\$13,349,237	1.08%
Intermediate Term Bond	Prudential Total Return Bond Q	\$16,352,164	1.32%	\$17,355,719	1.40%
Intermediate Term Bond	Vanguard Total Bond Market Index Adm	\$7,174,322	0.58%	\$6,744,661	0.54%
World Allocation	CREF Social Choice R3	\$35,791,845	2.88%	\$35,291,027	2.85%
Target Date Ret Income Moderate	Vanguard Target Retirement Income Inv	\$7,058,640	0.57%	\$5,859,191	0.47%
Target Date 2015 Moderate	Vanguard Target Retirement 2015 Inv	\$4,705,291	0.38%	\$5,779,851	0.47%
Target Date 2020 Moderate	Vanguard Target Retirement 2020 Inv	\$11,281,830	0.91%	\$11,417,543	0.92%
Target Date 2025 Moderate	Vanguard Target Retirement 2025 Inv	\$10,262,935	0.83%	\$11,091,058	0.90%
Target Date 2030 Conservative	Vanguard Target Retirement 2030 Inv	\$9,821,585	0.79%	\$9,685,971	0.78%
Target Date 2035 Moderate	Vanguard Target Retirement 2035 Inv	\$9,633,940	0.77%	\$10,049,711	0.81%
Target Date 2040 Moderate	Vanguard Target Retirement 2040 Inv	\$9,440,954	0.76%	\$9,764,324	0.79%
Target Date 2045 Moderate	Vanguard Target Retirement 2045 Inv	\$7,820,688	0.63%	\$8,210,000	0.66%
Target Date 2050 Moderate	Vanguard Target Retirement 2050 Inv	\$4,582,436	0.37%	\$4,960,894	0.40%
Target Date 2055 Moderate	Vanguard Target Retirement 2055 Inv	\$1,668,316	0.13%	\$1,826,041	0.15%
Target Date 2060+ Moderate	Vanguard Target Retirement 2060 Inv	\$72,722	0.01%	\$124,854	0.01%

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Period Ending 3.31.18 | Q1 18

University of Maine	System Petirement	Plan for Faculty and	Professionals 403(b)	DC - 102965
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			_	MARKET	VALUE —	
FUND OPTION	CURRENT INVESTMENT NAME		12.31.2017	(%)	CURRENT	(%)
Target Date 2060+ Moderate	Vanguard Target Retirement 2065 Inv		\$0	0.00%	\$0	0.00%
Allocation85%+ Equity	CREF Stock R3		\$214,743,505	17.27%	\$208,763,065	16.86%
Large Company Value	JHancock Disciplined Value R6		\$22,058,927	1.77%	\$22,169,550	1.79%
Large Company Blend	Vanguard Institutional Index I		\$34,031,139	2.74%	\$33,946,393	2.74%
Large Company Growth	Harbor Capital Appreciation Retirement		\$12,028,018	0.97%	\$12,597,140	1.02%
Medium Company Value	Virtus Ceredex Mid Cap Value Equity IS		\$15,548,636	1.25%	\$15,134,605	1.22%
Medium Company Blend	Vanguard Extended Market Index Inst		\$15,548,329	1.25%	\$15,200,467	1.23%
Medium Company Growth	Goldman Sachs Growth Opportunities R6		\$4,930,354	0.40%	\$5,544,460	0.45%
Foreign Large Value	MFS International Value R6		\$21,124,769	1.70%	\$21,044,805	1.70%
Foreign Large Blend	Vanguard Total Intl Stock Index Inst		\$11,073,927	0.89%	\$11,662,974	0.94%
Foreign Large Growth	Oppenheimer Intl Growth I		\$4,866,072	0.39%	\$4,894,591	0.40%
Small Company Value	Victory Sycamore Small Company Opp I		\$11,471,306	0.92%	\$11,855,007	0.96%
Small Company Growth	Carillon Eagle Small Cap Growth R6		\$3,712,424	0.30%	\$3,548,754	0.29%
Emerging Markets	DFA Emerging Markets Core Equity I		\$19,843,594	1.60%	\$20,648,433	1.67%
Specialty-Private Real Estate	TIAA Real Estate Account		\$51,256,299	4.12%	\$50,063,094	4.04%
Other Assets	Non Approved Funds		\$157,443,150	12.66%	\$151,508,513	12.24%
Self-Directed Brokerage	Self Directed Accounts		\$50,540,429	4.06%	\$53,767,675	4.34%
		TOTALS	\$1,243,476,821	100%	\$1,238,244,784	100%

Period Ending 3.31.18 | Q1 18

University of Maine System	Retirement Tax Deferred	Annuity Plan 403(b) TDA- 102966

		_	MARKET	VALUE -	
FUND OPTION	CURRENT INVESTMENT NAME	12.31.2017	(%)	CURRENT	(%)
Cash and Equivalents - Money Market	CREF Money Market R3	\$826,248	0.51%	\$955,856	0.59%
Cash and Equivalents - Money Market	Vanguard Federal Money Market	\$32,998	0.02%	\$46,147	0.03%
Stable Value	TIAA Traditional - Group Retirement Annuity	\$54,259,359	33.55%	\$55,390,165	34.27%
Inflation Protected Bond	CREF Inflation-Linked Bond R3	\$2,436,960	1.51%	\$2,355,970	1.46%
Intermediate Term Bond	Prudential Total Return Bond Q	\$3,904,319	2.41%	\$4,156,654	2.57%
Intermediate Term Bond	Vanguard Total Bond Market Index Adm	\$1,628,320	1.01%	\$1,530,332	0.95%
World Allocation	CREF Social Choice R3	\$5,850,210	3.62%	\$5,718,189	3.54%
Target Date Ret Income Moderate	Vanguard Target Retirement Income Inv	\$1,815,210	1.12%	\$1,768,702	1.09%
Target Date 2015 Moderate	Vanguard Target Retirement 2015 Inv	\$957,555	0.59%	\$978,323	0.61%
Target Date 2020 Moderate	Vanguard Target Retirement 2020 Inv	\$2,655,509	1.64%	\$2,778,271	1.72%
Target Date 2025 Moderate	Vanguard Target Retirement 2025 Inv	\$2,449,593	1.51%	\$2,627,973	1.63%
Target Date 2030 Conservative	Vanguard Target Retirement 2030 Inv	\$1,668,874	1.03%	\$1,693,681	1.05%
Target Date 2035 Moderate	Vanguard Target Retirement 2035 Inv	\$1,050,291	0.65%	\$1,059,410	0.66%
Target Date 2040 Moderate	Vanguard Target Retirement 2040 Inv	\$807,796	0.50%	\$811,140	0.50%
Target Date 2045 Moderate	Vanguard Target Retirement 2045 Inv	\$266,425	0.16%	\$274,053	0.17%
Target Date 2050 Moderate	Vanguard Target Retirement 2050 Inv	\$179,787	0.11%	\$172,507	0.11%
Target Date 2055 Moderate	Vanguard Target Retirement 2055 Inv	\$74,520	0.05%	\$76,163	0.05%
Target Date 2060+ Moderate	Vanguard Target Retirement 2060 Inv	\$4,082	0.00%	\$4,377	0.00%

CONTINUED...

Period Ending 3.31.18 | Q1 18

University of Maine Syste	m Retirement Tax	Deferred Annuity Pla	an 403(b) TDA- 102966

			_	MARKET	VALUE —	
FUND OPTION	CURRENT INVESTMENT NAME		12.31.2017	(%)	CURRENT	(%)
Target Date 2060+ Moderate	Vanguard Target Retirement 2065 Inv		\$0	0.00%	\$0	0.00%
Allocation85%+ Equity	CREF Stock R3		\$19,887,105	12.30%	\$19,006,689	11.76%
Large Company Value	JHancock Disciplined Value R6		\$2,253,669	1.39%	\$2,336,495	1.45%
Large Company Blend	Vanguard Institutional Index I		\$9,515,741	5.88%	\$9,437,797	5.84%
Large Company Growth	Harbor Capital Appreciation Retirement		\$1,952,121	1.21%	\$2,135,279	1.32%
Medium Company Value	Virtus Ceredex Mid Cap Value Equity IS		\$1,414,278	0.87%	\$1,418,041	0.88%
Medium Company Blend	Vanguard Extended Market Index Inst		\$2,580,396	1.60%	\$2,532,402	1.57%
Medium Company Growth	Goldman Sachs Growth Opportunities R6		\$392,521	0.24%	\$411,831	0.25%
Foreign Large Value	MFS International Value R6		\$3,471,616	2.15%	\$3,388,286	2.10%
Foreign Large Blend	Vanguard Total Intl Stock Index Inst		\$1,501,184	0.93%	\$1,629,873	1.01%
Foreign Large Growth	Oppenheimer Intl Growth I		\$544,502	0.34%	\$517,847	0.32%
Small Company Value	Victory Sycamore Small Company Opp I		\$1,518,633	0.94%	\$1,579,544	0.98%
Small Company Growth	Carillon Eagle Small Cap Growth R6		\$239,191	0.15%	\$225,000	0.14%
Emerging Markets	DFA Emerging Markets Core Equity I		\$2,072,874	1.28%	\$2,251,689	1.39%
Specialty-Private Real Estate	TIAA Real Estate Account		\$11,065,712	6.84%	\$10,433,503	6.46%
Other Assets	Non Approved Funds		\$20,305,370	12.55%	\$19,521,056	12.08%
Self-Directed Brokerage	Self Directed Accounts		\$2,155,163	1.33%	\$2,405,350	1.49%
		TOTALS	\$161,738,129	100%	\$161,628,595	100%

Period Ending 3.31.18 | Q1 18

University of Mair	e System	Ontional	Retirement	Savings	403(h) -	- 102967

		_	MARKE	TVALUE —	
FUND OPTION	CURRENT INVESTMENT NAME	12.31.2017	(%)	CURRENT	(%)
Cash and Equivalents - Money Market	CREF Money Market R3	\$12,370	0.84%	\$9,456	0.67%
Cash and Equivalents - Money Market	Vanguard Federal Money Market	\$0	0.00%	\$0	0.00%
Stable Value	TIAA Traditional - Group Retirement Annuity	\$615,697	41.88%	\$589,995	41.52%
Inflation Protected Bond	CREF Inflation-Linked Bond R3	\$17,389	1.18%	\$17,281	1.22%
Intermediate Term Bond	Prudential Total Return Bond Q	\$10,084	0.69%	\$9,932	0.70%
Intermediate Term Bond	Vanguard Total Bond Market Index Adm	\$339	0.02%	\$334	0.02%
World Allocation	CREF Social Choice R3	\$37,626	2.56%	\$37,266	2.62%
Target Date Ret Income Moderate	Vanguard Target Retirement Income Inv	\$1,373	0.09%	\$1,366	0.10%
Target Date 2015 Moderate	Vanguard Target Retirement 2015 Inv	\$160	0.01%	\$159	0.01%
Target Date 2020 Moderate	Vanguard Target Retirement 2020 Inv	\$53,140	3.61%	\$51,310	3.61%
Target Date 2025 Moderate	Vanguard Target Retirement 2025 Inv	\$2,339	0.16%	\$2,325	0.16%
Target Date 2030 Conservative	Vanguard Target Retirement 2030 Inv	\$0	0.00%	\$0	0.00%
Target Date 2035 Moderate	Vanguard Target Retirement 2035 Inv	\$0	0.00%	\$0	0.00%
Target Date 2040 Moderate	Vanguard Target Retirement 2040 Inv	\$0	0.00%	\$0	0.00%
Target Date 2045 Moderate	Vanguard Target Retirement 2045 Inv	\$0	0.00%	\$0	0.00%
Target Date 2050 Moderate	Vanguard Target Retirement 2050 Inv	\$0	0.00%	\$0	0.00%
Target Date 2055 Moderate	Vanguard Target Retirement 2055 Inv	\$0	0.00%	\$0	0.00%
Target Date 2060+ Moderate	Vanguard Target Retirement 2060 Inv	\$0	0.00%	\$0	0.00%

CONTINUED...

Period Ending 3.31.18 | Q1 18

University of Maine	System Optiona	al Retirement Saving	s 403(b) - 102967

			− MARKET VALUE −			
FUND OPTION	CURRENT INVESTMENT NAME		12.31.2017	(%)	CURRENT	(%)
Target Date 2060+ Moderate	Vanguard Target Retirement 2065 Inv		\$0	0.00%	\$0	0.00%
Allocation85%+ Equity	CREF Stock R3		\$241,018	16.40%	\$236,861	16.67%
Large Company Value	JHancock Disciplined Value R6		\$1,618	0.11%	\$1,584	0.11%
Large Company Blend	Vanguard Institutional Index I		\$14,114	0.96%	\$12,166	0.86%
Large Company Growth	Harbor Capital Appreciation Retirement		\$1,179	0.08%	\$1,279	0.09%
Medium Company Value	Virtus Ceredex Mid Cap Value Equity IS		\$1,631	0.11%	\$1,611	0.11%
Medium Company Blend	Vanguard Extended Market Index Inst		\$2,439	0.17%	\$2,436	0.17%
Medium Company Growth	Goldman Sachs Growth Opportunities R6		\$48	0.00%	\$1,394	0.10%
Foreign Large Value	MFS International Value R6		\$3,328	0.23%	\$3,350	0.24%
Foreign Large Blend	Vanguard Total Intl Stock Index Inst		\$1,952	0.13%	\$1,928	0.14%
Foreign Large Growth	Oppenheimer Intl Growth I		\$865	0.06%	\$866	0.06%
Small Company Value	Victory Sycamore Small Company Opp I		\$1,405	0.10%	\$1,384	0.10%
Small Company Growth	Carillon Eagle Small Cap Growth R6		\$261	0.02%	\$266	0.02%
Emerging Markets	DFA Emerging Markets Core Equity I		\$1,782	0.12%	\$1,796	0.13%
Specialty-Private Real Estate	TIAA Real Estate Account		\$45,204	3.08%	\$45,567	3.21%
Other Assets	Non Approved Funds		\$402,667	27.39%	\$389,191	27.39%
Self-Directed Brokerage	Self Directed Accounts		\$0	0.00%	\$0	0.00%
		TOTALS	\$1,470,030	100%	\$1,421,103	100%

Period Ending 3.31.18 | Q1 18

University of Maine	Systom Ontions	I Dotiromont Ca	vings (01(a)	- 102069

		─ MARKET VALUE ─			
FUND OPTION	CURRENT INVESTMENT NAME	12.31.2017	(%)	CURRENT	(%)
Cash and Equivalents - Money Market	CREF Money Market R3	\$8,054	0.66%	\$6,423	0.54%
Cash and Equivalents - Money Market	Vanguard Federal Money Market	\$0	0.00%	\$0	0.00%
Stable Value	TIAA Traditional - Group Retirement Annuity	\$379,021	31.10%	\$369,085	30.78%
Inflation Protected Bond	CREF Inflation-Linked Bond R3	\$17,721	1.45%	\$17,563	1.46%
Intermediate Term Bond	Prudential Total Return Bond Q	\$17,554	1.44%	\$18,842	1.57%
Intermediate Term Bond	Vanguard Total Bond Market Index Adm	\$11,383	0.93%	\$12,737	1.06%
World Allocation	CREF Social Choice R3	\$26,384	2.17%	\$26,116	2.18%
Target Date Ret Income Moderate	Vanguard Target Retirement Income Inv	\$911	0.07%	\$906	0.08%
Target Date 2015 Moderate	Vanguard Target Retirement 2015 Inv	\$0	0.00%	\$0	0.00%
Target Date 2020 Moderate	Vanguard Target Retirement 2020 Inv	\$43,013	3.53%	\$41,465	3.46%
Target Date 2025 Moderate	Vanguard Target Retirement 2025 Inv	\$487	0.04%	\$1,427	0.12%
Target Date 2030 Conservative	Vanguard Target Retirement 2030 Inv	\$947	0.08%	\$0	0.00%
Target Date 2035 Moderate	Vanguard Target Retirement 2035 Inv	\$0	0.00%	\$0	0.00%
Target Date 2040 Moderate	Vanguard Target Retirement 2040 Inv	\$0	0.00%	\$0	0.00%
Target Date 2045 Moderate	Vanguard Target Retirement 2045 Inv	\$0	0.00%	\$0	0.00%
Target Date 2050 Moderate	Vanguard Target Retirement 2050 Inv	\$0	0.00%	\$0	0.00%
Target Date 2055 Moderate	Vanguard Target Retirement 2055 Inv	\$0	0.00%	\$0	0.00%
Target Date 2060+ Moderate	Vanguard Target Retirement 2060 Inv	\$0	0.00%	\$0	0.00%

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Period Ending 3.31.18 | Q1 18

University of Maine	System Ontion	al Retirement Saving	s 401(a) - 102968
Office of Training	System Option	iai itetii eiiieiit baviiig	3 TO I(u) 102300

			─ MARKET VALUE ─			Е —		
FUND OPTION	CURRENT INVESTMENT NAME		12.31.2017	(%)	CURRENT	(%)		
Target Date 2060+ Moderate	Vanguard Target Retirement 2065 Inv		\$0	0.00%	\$0	0.00%		
Allocation85%+ Equity	CREF Stock R3		\$149,370	12.26%	\$145,545	12.14%		
Large Company Value	JHancock Disciplined Value R6		\$10,951	0.90%	\$9,683	0.81%		
Large Company Blend	Vanguard Institutional Index I		\$6,948	0.57%	\$6,893	0.57%		
Large Company Growth	Harbor Capital Appreciation Retirement		\$1,118	0.09%	\$1,215	0.10%		
Medium Company Value	Virtus Ceredex Mid Cap Value Equity IS		\$722	0.06%	\$717	0.06%		
Medium Company Blend	Vanguard Extended Market Index Inst		\$607	0.05%	\$608	0.05%		
Medium Company Growth	Goldman Sachs Growth Opportunities R6		\$21,918	1.80%	\$21,649	1.81%		
Foreign Large Value	MFS International Value R6		\$19,488	1.60%	\$19,358	1.61%		
Foreign Large Blend	Vanguard Total Intl Stock Index Inst		\$584	0.05%	\$581	0.05%		
Foreign Large Growth	Oppenheimer Intl Growth I		\$323	0.03%	\$323	0.03%		
Small Company Value	Victory Sycamore Small Company Opp I		\$333	0.03%	\$330	0.03%		
Small Company Growth	Carillon Eagle Small Cap Growth R6		\$473	0.04%	\$480	0.04%		
Emerging Markets	DFA Emerging Markets Core Equity I		\$21,241	1.74%	\$20,487	1.71%		
Specialty-Private Real Estate	TIAA Real Estate Account		\$56,858	4.67%	\$57,166	4.77%		
Other Assets	Non Approved Funds		\$283,149	23.23%	\$278,574	23.23%		
Self-Directed Brokerage	Self Directed Accounts		\$139,084	11.41%	\$140,809	11.74%		
		TOTALS	\$1,218,640	100%	\$1,198,982	100%		

Period Ending 3.31.18 | Q1 18

University of Maine S	System Basic	Retirement	Plan f	for Classified	Employees	403(b) -	102969

		− MARKET VALUE −			
FUND OPTION	CURRENT INVESTMENT NAME	12.31.2017	(%)	CURRENT	(%)
Cash and Equivalents - Money Market	CREF Money Market R3	\$431,803	1.18%	\$447,788	1.22%
Cash and Equivalents - Money Market	Vanguard Federal Money Market	\$47,383	0.13%	\$37,053	0.10%
Stable Value	TIAA Traditional - Group Retirement Annuity	\$6,314,386	17.23%	\$6,339,763	17.28%
Inflation Protected Bond	CREF Inflation-Linked Bond R3	\$484,117	1.32%	\$493,024	1.34%
Intermediate Term Bond	Prudential Total Return Bond Q	\$619,270	1.69%	\$653,338	1.78%
Intermediate Term Bond	Vanguard Total Bond Market Index Adm	\$127,295	0.35%	\$122,868	0.33%
World Allocation	CREF Social Choice R3	\$1,064,178	2.90%	\$1,061,484	2.89%
Target Date Ret Income Moderate	Vanguard Target Retirement Income Inv	\$522,092	1.42%	\$417,702	1.14%
Target Date 2015 Moderate	Vanguard Target Retirement 2015 Inv	\$553,650	1.51%	\$581,824	1.59%
Target Date 2020 Moderate	Vanguard Target Retirement 2020 Inv	\$1,202,160	3.28%	\$1,172,815	3.20%
Target Date 2025 Moderate	Vanguard Target Retirement 2025 Inv	\$1,460,601	3.99%	\$1,543,779	4.21%
Target Date 2030 Conservative	Vanguard Target Retirement 2030 Inv	\$599,958	1.64%	\$598,414	1.63%
Target Date 2035 Moderate	Vanguard Target Retirement 2035 Inv	\$533,790	1.46%	\$574,217	1.57%
Target Date 2040 Moderate	Vanguard Target Retirement 2040 Inv	\$492,684	1.34%	\$542,047	1.48%
Target Date 2045 Moderate	Vanguard Target Retirement 2045 Inv	\$344,417	0.94%	\$352,738	0.96%
Target Date 2050 Moderate	Vanguard Target Retirement 2050 Inv	\$146,145	0.40%	\$154,388	0.42%
Target Date 2055 Moderate	Vanguard Target Retirement 2055 Inv	\$156,473	0.43%	\$169,822	0.46%
Target Date 2060+ Moderate	Vanguard Target Retirement 2060 Inv	\$29,069	0.08%	\$35,096	0.10%

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Period Ending 3.31.18 | Q1 18

University of Maine	System Basic	Retirement P	Plan for Classified	Employees 403	(b) - 102969

		_	− MARKET VALUE −			
FUND OPTION	CURRENT INVESTMENT NAME	12.31.2017	(%)	CURRENT	(%)	
Target Date 2060+ Moderate	Vanguard Target Retirement 2065 Inv	\$0	0.00%	\$409	0.00%	
Allocation85%+ Equity	CREF Stock R3	\$3,607,550	9.84%	\$3,496,184	9.53%	
Large Company Value	JHancock Disciplined Value R6	\$830,159	2.27%	\$821,530	2.24%	
Large Company Blend	Vanguard Institutional Index I	\$986,139	2.69%	\$1,001,821	2.73%	
Large Company Growth	Harbor Capital Appreciation Retirement	\$643,998	1.76%	\$654,868	1.79%	
Medium Company Value	Virtus Ceredex Mid Cap Value Equity IS	\$514,046	1.40%	\$519,746	1.42%	
Medium Company Blend	Vanguard Extended Market Index Inst	\$473,869	1.29%	\$506,656	1.38%	
Medium Company Growth	Goldman Sachs Growth Opportunities R6	\$306,344	0.84%	\$299,063	0.82%	
Foreign Large Value	MFS International Value R6	\$962,912	2.63%	\$959,911	2.62%	
Foreign Large Blend	Vanguard Total Intl Stock Index Inst	\$430,086	1.17%	\$456,705	1.24%	
Foreign Large Growth	Oppenheimer Intl Growth I	\$105,558	0.29%	\$105,226	0.29%	
Small Company Value	Victory Sycamore Small Company Opp I	\$406,457	1.11%	\$407,163	1.11%	
Small Company Growth	Carillon Eagle Small Cap Growth R6	\$189,283	0.52%	\$177,214	0.48%	
Emerging Markets	DFA Emerging Markets Core Equity I	\$902,556	2.46%	\$923,712	2.52%	
Specialty-Private Real Estate	TIAA Real Estate Account	\$2,020,549	5.51%	\$1,949,948	5.32%	
Other Assets	Non Approved Funds	\$6,413,795	17.50%	\$6,224,594	16.97%	
Self-Directed Brokerage	Self Directed Accounts	\$2,726,671	7.44%	\$2,882,665	7.86%	
	то	TALS \$36,649,444	100%	\$36,685,575	100%	

Period Ending 3.31.18 | Q1 18

University of Maine System	Basic Retirement Plan for	r Classified Employees 4	01(a) - 102970

		− MARKET VALUE −			
FUND OPTION	CURRENT INVESTMENT NAME	12.31.2017	(%)	CURRENT	(%)
Cash and Equivalents - Money Market	CREF Money Market R3	\$1,131,460	1.63%	\$1,172,308	1.69%
Cash and Equivalents - Money Market	Vanguard Federal Money Market	\$95,429	0.14%	\$93,514	0.14%
Stable Value	TIAA Traditional - Group Retirement Annuity	\$14,288,311	20.64%	\$14,238,592	20.57%
Inflation Protected Bond	CREF Inflation-Linked Bond R3	\$968,323	1.40%	\$978,361	1.41%
Intermediate Term Bond	Prudential Total Return Bond Q	\$1,078,551	1.56%	\$1,134,071	1.64%
Intermediate Term Bond	Vanguard Total Bond Market Index Adm	\$238,818	0.34%	\$232,206	0.34%
World Allocation	CREF Social Choice R3	\$2,850,961	4.12%	\$2,832,499	4.09%
Target Date Ret Income Moderate	Vanguard Target Retirement Income Inv	\$894,108	1.29%	\$729,810	1.05%
Target Date 2015 Moderate	Vanguard Target Retirement 2015 Inv	\$946,725	1.37%	\$1,005,716	1.45%
Target Date 2020 Moderate	Vanguard Target Retirement 2020 Inv	\$1,915,567	2.77%	\$1,974,110	2.85%
Target Date 2025 Moderate	Vanguard Target Retirement 2025 Inv	\$1,961,821	2.83%	\$1,976,649	2.86%
Target Date 2030 Conservative	Vanguard Target Retirement 2030 Inv	\$1,045,411	1.51%	\$1,026,028	1.48%
Target Date 2035 Moderate	Vanguard Target Retirement 2035 Inv	\$879,719	1.27%	\$942,152	1.36%
Target Date 2040 Moderate	Vanguard Target Retirement 2040 Inv	\$745,198	1.08%	\$774,807	1.12%
Target Date 2045 Moderate	Vanguard Target Retirement 2045 Inv	\$524,036	0.76%	\$545,308	0.79%
Target Date 2050 Moderate	Vanguard Target Retirement 2050 Inv	\$259,364	0.37%	\$275,172	0.40%
Target Date 2055 Moderate	Vanguard Target Retirement 2055 Inv	\$143,155	0.21%	\$158,966	0.23%
Target Date 2060+ Moderate	Vanguard Target Retirement 2060 Inv	\$28,998	0.04%	\$34,965	0.05%

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Period Ending 3.31.18 | Q1 18

University of Maine System	Basic Retirement Plan for	r Classified Employees 4	01(a) - 102970

		-	MARKE	T VALUE —	
FUND OPTION	CURRENT INVESTMENT NAME	12.31.2017	(%)	CURRENT	(%)
Target Date 2060+ Moderate	Vanguard Target Retirement 2065 Inv	\$0	0.00%	\$409	0.00%
Allocation85%+ Equity	CREF Stock R3	\$9,179,601	13.26%	\$9,033,010	13.05%
Large Company Value	JHancock Disciplined Value R6	\$1,198,822	1.73%	\$1,243,336	1.80%
Large Company Blend	Vanguard Institutional Index I	\$1,624,846	2.35%	\$1,666,940	2.41%
Large Company Growth	Harbor Capital Appreciation Retirement	\$1,093,668	1.58%	\$1,143,045	1.65%
Medium Company Value	Virtus Ceredex Mid Cap Value Equity IS	\$683,696	0.99%	\$708,373	1.02%
Medium Company Blend	Vanguard Extended Market Index Inst	\$724,862	1.05%	\$760,659	1.10%
Medium Company Growth	Goldman Sachs Growth Opportunities R6	\$428,766	0.62%	\$457,219	0.66%
Foreign Large Value	MFS International Value R6	\$1,555,197	2.25%	\$1,602,795	2.32%
Foreign Large Blend	Vanguard Total Intl Stock Index Inst	\$542,316	0.78%	\$629,468	0.91%
Foreign Large Growth	Oppenheimer Intl Growth I	\$160,570	0.23%	\$158,688	0.23%
Small Company Value	Victory Sycamore Small Company Opp I	\$546,281	0.79%	\$548,320	0.79%
Small Company Growth	Carillon Eagle Small Cap Growth R6	\$194,206	0.28%	\$196,945	0.28%
Emerging Markets	DFA Emerging Markets Core Equity I	\$1,169,774	1.69%	\$1,250,343	1.81%
Specialty-Private Real Estate	TIAA Real Estate Account	\$3,553,456	5.13%	\$3,450,640	4.99%
Other Assets	Non Approved Funds	\$14,368,429	20.75%	\$13,967,123	20.18%
Self-Directed Brokerage	Self Directed Accounts	\$2,219,020	3.20%	\$2,276,214	3.29%
	TOTAL	\$69,239,464	100%	\$69,218,761	100%

Period Ending 3.31.18 | Q1 18

University of Maine	System Defe	rred Compensa	ation Plan 45	7(b) - 102971

		_			
FUND OPTION	CURRENT INVESTMENT NAME	12.31.2017	(%)	CURRENT	(%)
Cash and Equivalents - Money Market	CREF Money Market R3	\$568,491	1.91%	\$543,551	1.79%
Cash and Equivalents - Money Market	Vanguard Federal Money Market	\$35,912	0.12%	\$90,721	0.30%
Stable Value	TIAA Traditional - Group Retirement Annuity	\$7,133,436	23.96%	\$7,419,080	24.47%
Inflation Protected Bond	CREF Inflation-Linked Bond R3	\$528,055	1.77%	\$552,828	1.82%
Intermediate Term Bond	Prudential Total Return Bond Q	\$919,646	3.09%	\$960,282	3.17%
Intermediate Term Bond	Vanguard Total Bond Market Index Adm	\$183,568	0.62%	\$160,801	0.53%
World Allocation	CREF Social Choice R3	\$1,389,989	4.67%	\$1,391,532	4.59%
Target Date Ret Income Moderate	Vanguard Target Retirement Income Inv	\$483,934	1.63%	\$432,473	1.43%
Target Date 2015 Moderate	Vanguard Target Retirement 2015 Inv	\$511,514	1.72%	\$588,185	1.94%
Target Date 2020 Moderate	Vanguard Target Retirement 2020 Inv	\$866,151	2.91%	\$933,315	3.08%
Target Date 2025 Moderate	Vanguard Target Retirement 2025 Inv	\$968,607	3.25%	\$975,863	3.22%
Target Date 2030 Conservative	Vanguard Target Retirement 2030 Inv	\$588,562	1.98%	\$586,479	1.93%
Target Date 2035 Moderate	Vanguard Target Retirement 2035 Inv	\$242,119	0.81%	\$231,817	0.76%
Target Date 2040 Moderate	Vanguard Target Retirement 2040 Inv	\$256,932	0.86%	\$280,485	0.93%
Target Date 2045 Moderate	Vanguard Target Retirement 2045 Inv	\$137,767	0.46%	\$129,852	0.43%
Target Date 2050 Moderate	Vanguard Target Retirement 2050 Inv	\$36,617	0.12%	\$36,919	0.12%
Target Date 2055 Moderate	Vanguard Target Retirement 2055 Inv	\$0	0.00%	\$0	0.00%
Target Date 2060+ Moderate	Vanguard Target Retirement 2060 Inv	\$0	0.00%	\$0	0.00%

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Period Ending 3.31.18 | Q1 18

University	of Maine	System	Deferred	Compensation	Plan	457(h)	- 102971

			_	MARKET	VALUE —	
FUND OPTION	CURRENT INVESTMENT NAME		12.31.2017	(%)	CURRENT	(%)
Target Date 2060+ Moderate	Vanguard Target Retirement 2065 Inv		\$0	0.00%	\$0	0.00%
Allocation85%+ Equity	CREF Stock R3		\$1,975,792	6.64%	\$1,976,607	6.52%
Large Company Value	JHancock Disciplined Value R6		\$737,600	2.48%	\$716,776	2.36%
Large Company Blend	Vanguard Institutional Index I		\$1,322,232	4.44%	\$1,350,698	4.46%
Large Company Growth	Harbor Capital Appreciation Retirement		\$619,078	2.08%	\$633,436	2.09%
Medium Company Value	Virtus Ceredex Mid Cap Value Equity IS		\$389,160	1.31%	\$409,088	1.35%
Medium Company Blend	Vanguard Extended Market Index Inst		\$715,468	2.40%	\$673,628	2.22%
Medium Company Growth	Goldman Sachs Growth Opportunities R6		\$158,848	0.53%	\$179,088	0.59%
Foreign Large Value	MFS International Value R6		\$704,999	2.37%	\$667,075	2.20%
Foreign Large Blend	Vanguard Total Intl Stock Index Inst		\$448,106	1.50%	\$450,986	1.49%
Foreign Large Growth	Oppenheimer Intl Growth I		\$145,454	0.49%	\$144,399	0.48%
Small Company Value	Victory Sycamore Small Company Opp I		\$348,544	1.17%	\$356,303	1.18%
Small Company Growth	Carillon Eagle Small Cap Growth R6		\$154,110	0.52%	\$140,132	0.46%
Emerging Markets	DFA Emerging Markets Core Equity I		\$720,796	2.42%	\$756,948	2.50%
Specialty-Private Real Estate	TIAA Real Estate Account		\$1,940,793	6.52%	\$1,972,977	6.51%
Other Assets	Non Approved Funds		\$3,557,299	11.95%	\$3,422,208	11.29%
Self-Directed Brokerage	Self Directed Accounts		\$988,434	3.32%	\$1,152,431	3.80%
		TOTALS	\$29,778,011	100%	\$30,316,963	100%

Period Ending 3.31.18 | Q1 18

University of Maine System

INVESTMENT					QUALIT	ATIVE	тот	ALS				
	Risk-Ad Perfor		vs. P Perfor		St	yle	Confi	dence	Fund	Fund	Overall	Total
	3 Yr	5 Yr	3 Yr	5 Yr	3 Yr	5 Yr	3 Yr	5 Yr	Management	Firm		Score
Inflation Protected Bond CREF Inflation-Linked Bond R3			_					<u></u>				86
Intermediate Term Bond Prudential Total Return Bond Q												100
World Allocation CREF Social Choice R3												100
Large Company Value JHancock Disciplined Value R6												95
Large Company Growth Harbor Capital Appreciation Retirement												98
Medium Company Value Virtus Ceredex Mid Cap Value Equity IS												91
Medium Company Growth Goldman Sachs Growth Opportunities R6	<u></u>		_	_			_	_	V		_	76
Foreign Large Value MFS International Value R6						_						97

LEGEND



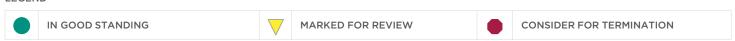
The CAPTRUST Investment Policy Monitor ("Scorecard") is an illustration of our monitoring system and is designed to assist our clients in their efforts to provide fiduciary oversight to investment assets. It is not intended as a solicitation to buy any security. The scoring system measures quantitative areas as well as qualitative (or subjective) fields for actively managed investment options. Quantitative scoring areas include Risk Adjusted Performance (3 & 5 yr.); Performance vs. Relevant Peer Group; Style Attribution; and Confidence. Qualitative Scoring Areas measure the quality of the Management Team while also considering the stewardship of the investment option's parent company under Investment Family Items. Qualitative areas of analysis are subjective in nature. CAPTRUST typically requires at least 3 months of monitoring before including an investment in this report. Investments that have been added to our system less than 3 months prior to a report being generated may have a Fund Management assessment of '25' as a default, but will be updated, if necessary, after the first quarter of monitoring to more accurately reflect our system. Investments that are not mutual funds or have less than 3 years of performance history may not be scored. This material is for institutional investor use only and is not intended to be shared with individual investors.

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INVESTMENT				QUANTI	TATIVE				QUALITATIVE		TOTALS			
		Risk-Adjusted Performance		vs. Peers Performance		Style		Confidence		Fund				Total
	3 Yr	5 Yr	3 Yr	5 Yr	3 Yr	5 Yr	3 Yr	5 Yr	Management	Firm	Overall	Score		
Foreign Large Growth Oppenheimer Intl Growth I												90		
Small Company Value Victory Sycamore Small Company Opp I												100		
Small Company Growth Carillon Eagle Small Cap Growth R6		_										88		
Emerging Markets DFA Emerging Markets Core Equity I										<u></u>		90		

LEGEND



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TARGET DATE INVESTMENTS

INVESTMENT	QUANTITATIVE							QUALIT	ATIVE		тот	ALS								
		djusted mance		vs. Peers Performance								Glidepath		Glidepath		Underlying	Fund	Fund		Total
	3 Yr	5 Yr	3 Yr	5 Yr	% of Equities	Beta to Equities		Inv. Vehicles		Firm	Overall	Score								
Vanguard Target Retirement												95								

CAPITAL PRESERVATION INVESTMENTS

INVESTMENT	Overall	Commentary
CREF Money Market R3	•	According to CAPTRUST Financial Advisors, this Capital Preservation option is in good standing per the guidelines as established by the Investment Policy Statement.
Vanguard Federal Money Market		According to CAPTRUST Financial Advisors, this Capital Preservation option is in good standing per the guidelines as established by the Investment Policy Statement.
TIAA Traditional - Group Retirement Annuity		According to CAPTRUST Financial Advisors, this Capital Preservation option is in good standing per the guidelines as established by the Investment Policy Statement.

CONTINUED...

The CAPTRUST Financial Advisors Investment Scorecard is an illustration of our monitoring system and is designed to assist our clients in their efforts to provide fiduciary oversight to investment assets. It is not intended as a solicitation to buy any security. The scoring system measures quantitative areas as well as qualitative (or subjective) fields. Quantitative scoring areas for target date funds include Risk Adjusted Performance v3. & 5 yr.); Performance vs. Relevant Peer Group; and Glidepath. Qualitative Scoring Areas for target date funds measure the quality of the Management Team while also considering the stewardship of the investment option's parent company under Investment Family Items. Qualitative areas of analysis are subjective in nature. Qualitative Scoring for Target Date funds also includes a score for Portfolio Construction and Underlying Investment which is express CAPTRUST's views on the manager or strategy. CAPTRUST typically requires at least 3 months of monitoring before including an investment in this report. Investments that have been added to our system less than 3 months prior to a report being generated may have a Fund Management of '25' as a default, but will be updated, if necessary, after the first quarter of monitoring to more accurately reflect our system. Investments that are not mutual funds or have less than 3 years of performance history may not be scored. Capital Preservation options are evaluated using a comprehensive scoring methodology proprietary to the Investment Consultant. This methodology incorporates both qualitative and quantitative metrics, depending on the type of capital preservation option being evaluated, and may include quantitative criteria such as quality and experience of the Management Team and stewardship of the investment option's parent company. Passively Managed options are evaluated using a comprehensive scoring methodology proprietary to the Investment Consultant. This methodology incorporates both qualitative and quantitative metrics. This meter

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PASSIVE INVESTMENTS

INVESTMENT	Overall	Commentary
Vanguard Total Bond Market Index Adm		This fund currently meets the guidelines set forth by CAPTRUST for passively managed investments. This assessment is based on both quantitative and qualitative data. Examples of quantitative and qualitative items considered include, but are not limited to, quality of management, tracking error, and cost.
Vanguard Institutional Index I	•	This fund currently meets the guidelines set forth by CAPTRUST for passively managed investments. This assessment is based on both quantitative and qualitative data. Examples of quantitative and qualitative items considered include, but are not limited to, quality of management, tracking error, and cost.
Vanguard Extended Market Index Inst		This fund currently meets the guidelines set forth by CAPTRUST for passively managed investments. This assessment is based on both quantitative and qualitative data. Examples of quantitative and qualitative items considered include, but are not limited to, quality of management, tracking error, and cost.
Vanguard Total Intl Stock Index Inst		This fund currently meets the guidelines set forth by CAPTRUST for passively managed investments. This assessment is based on both quantitative and qualitative data. Examples of quantitative and qualitative items considered include, but are not limited to, quality of management, tracking error, and cost.

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INVESTMENTS IN DISTINCT ASSET CLASSES

INVESTMENT	Overall	Commentary
CREF Stock R3	•	This fund currently meets the guidelines set forth by CAPTRUST for distinct investments in the Investment Policy Statement. This assessment is based on both quantitative and qualitative data. Examples of quantitative and qualitative items considered include, but are not limited to, quality of management, excess return, and risk-adjusted performance.
TIAA Real Estate Account	•	This fund currently meets the guidelines set forth by CAPTRUST for distinct investments in the Investment Policy Statement. This assessment is based on both quantitative and qualitative data. Examples of quantitative and qualitative items considered include, but are not limited to, quality of management, excess return, and risk-adjusted performance.

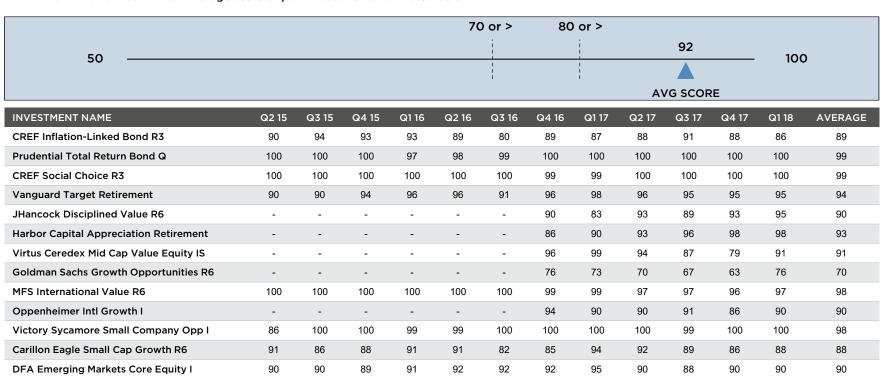
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PLAN INVESTMENT REVIEW | PLAN PERFORMANCE MEASUREMENT

Period Ending 3.31.18 | Q1 18

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Plan Performance Success Rate: Average score of plan investments illustrated below



SUMMARY: Over the previous quarters the plan investment options have averaged a score of 92.

Scores are calculated quarterly using the CAPTRUST Investment Policy Monitoring System ("Scorecard"). In the 4Q2013, our methodology changed utilizing different quantitative statistics than the prior system resulting in a re-categorization of some specific funds as either "passive" (funds designed to track a given benchmark) or "distinct" funds with a limited number of comparable funds, or funds with distinct strategies that do not have an appropriate benchmark. These funds (passive and/or distinct) will no longer be included in the Plan Performance Measurement Report but will continue to be included on the Investment Policy Monitor and be scored by CAPTRUST for their ability to achieve stated goals.

INVESTMENT REVIEW | SELECT COMMENTARY

Period Ending 3.31.18 | Q1 18

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FUND MANAGEMENT ITEMS	COMMENTARY
Goldman Sachs Growth Opp	
	Goldman Sachs recently announced changes to its U.S. fundamental equity business. The firm will combine its U.S. value and growth teams into a single fundamental equity team. Sean Gallagher will join Steve Barry as Co-Chief Investment Officer of the combined team. Importantly, these changes will not impact the Small Cap Value strategy as it will continue to be managed by a separate team. Sally Pope Davis and Rob Crystal have been at the helm of this strategy since 2006 and are supported by a team of five experienced sector analysts.

FUND FIRM ITEMS	COMMENTARY
OppenheimerFunds	
	On September 29th, 2017, Chief Risk Officer Geoff Craddock left the firm to join the parent company MassMutual Financial Group as CRO. Bob Agan and Jerry Cubbin will serve as interim co-heads of Risk management while the firm searches for a replacement.
Virtus	
	On June 1, 2017, Virtus completed the acquisition of RidgeWorth, changing the name of RidgeWorth to Virtus Fund Advisors, a wholly owned subsidiary of Virtus.
Dimensional Fund Advisors	
	Savina Rizova and Marlena Lee were named co-heads of Research.
	Dimensional added 3 new members to their investment committee: Dave Butler co-CEO and head of Global Financial Advisor Services, Ryan Wiley co-head of Global Equity Trading, and Savina Rizova head of Strategy Research.
	On August 15, 2017, Dimensional Fund Advisors announced that Gerald O'Reilly will become co-CEO alongside Dave Butler, Co-CEO and head of Global Financial Advisor Services. Gerald is replacing Eduardo Reppetto as co-CEO and will continue as CIO following Eduardo's departure from the firm in September.

INVESTMENT REVIEW | SELECT COMMENTARY

Period Ending 3.31.18 | Q1 18

University of Maine System

FUND FIRM ITEMS	COMMENTARY
TIAA-CREF	
	In Q4 2017 there was a realignment of reporting relationships, as the reporting line of the risk management team shifted to the Enterprise Risk Management function within Nuveen's parent company TIAA. As a result, Michell Beck, CRO of Nuveen, now reports to Steve Gruppo, CRO of TIAA.
Harbor Funds	
	Effective September 30, 2017, David Van Hooser will retire as CEO of Harbor Capital and resign as chair and trustee of Harbor Funds. He will continue to serve as chair of Harbor Capital. He will be replaced as CEO by Charlie McCain who was named president and chief operating officer of Harbor Capital on June 1, 2017. In addition, Erik Ojala was named general counsel and chief compliance officer of Harbor Funds, replacing Mr. McCain.
MFS Family of Funds	
	Aditi Taylor joined MFS as chief risk officer, replacing MFS' former CRO who departed at the end of 2017.
	Effective January 1, 2018, Carol Geremia became president of MFS and head of Global Distribution. Jim Jessee, who served as co-head of Global Distribution along with Carol since 2011, will continue to assist their global retail business.
	James Swanson, MFS chief investment strategist and portfolio manager, plans to retire from MFS on December 31, 2018. Effective January 1, 2019, Robert Almeida, currently an institutional portfolio manager, will become the firm's global investment strategist.

PLAN INVESTMENT REVIEW | TARGET DATE REVIEW

Period Ending 3.31.18 | Q1 18

University of Maine System

VANGUARD TARGET RETIREMENT

MEETING DATE: APRIL 24, 2018

FOCUS AREA

Organizational

COMMENTAR

There were no material changes to the target date team during the quarter.

Investments

COMMENTARY

There were no changes made to the underlying investments of the Target Retirement series during the quarter.

Performance and Positioning

COMMENTAR'

Vanguard Target Retirement Performance Update

Despite a more favorable backdrop for active managers, Vanguard Target Retirement produced solid results with each vintage outperforming peers in the first quarter.

- Target Retirement was aided by its higher allocation to international fixed income relative to peers with the Bloomberg Barclays Global Aggregate ex-US index returning 1% for the quarter compared to -1.5% for the US Aggregate Bond Index
- In addition, the series's higher allocation to emerging markets equities throughout the glidepath boosted peer-relative performance, especially in the near-dated vintages as many peers reduce their exposure to emerging markets equities as the retirement date approaches

There were no changes made to the series's strategic asset allocation during the quarter.

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INVESTMENT NAME	Q1 '18	YTD '18	2017	2016	2015	2014	2013	1 YEAR*	3 YEAR*	5 YEAR*	10 YEAR*
CASH AND EQUIVALENTS - MONEY MARKET											
CREF Money Market R3	0.22%	0.22%	0.50%	0.13%	0.00%	0.00%	0.00%	0.65%	0.28%	0.17%	0.25%
Vanguard Federal Money Market	0.33%	0.33%	0.81%	0.30%	0.04%	0.01%	0.02%	1.02%	0.49%	0.30%	0.35%
ICE BofA ML US Treasury Bill 3 Mon USD	0.35%	0.35%	0.86%	0.33%	0.05%	0.03%	0.07%	1.11%	0.53%	0.34%	0.34%
STABLE VALUE											
TIAA Traditional		Current rate is 4.00%									
ICE BofA ML US Treasury Bill 3 Mon USD	0.35%	0.35%	0.86%	0.33%	0.05%	0.03%	0.07%	1.11%	0.53%	0.34%	0.34%
Hueler Stable Value Index (gross)	0.52%	0.52%	1.95%	1.79%	1.77%	1.69%	1.83%	2.03%	1.87%	1.82%	2.41%
INFLATION PROTECTED BOND											
CREF Inflation-Linked Bond R3	-0.53%	-0.53%	1.85%	4.23%	-1.68%	3.34%	-9.01%	0.21%	0.77%	-0.37%	2.45%
BBgBarc US Treasury US TIPS TR USD	-0.79%	-0.79%	3.01%	4.68%	-1.44%	3.64%	-8.61%	0.92%	1.30%	0.05%	2.93%
Inflation Protected Bond Universe	-0.67%	-0.67%	2.54%	4.58%	-2.22%	1.94%	-7.56%	0.65%	1.00%	-0.32%	2.19%
INTERMEDIATE TERM BOND											
Prudential Total Return Bond Q	-1.35%	-1.35%	6.71%	4.83%	0.09%	7.25%	-0.91%	3.37%	2.62%	3.16%	5.78%
Vanguard Total Bond Market Index Adm	-1.47%	-1.47%	3.57%	2.60%	0.40%	5.89%	-2.15%	1.12%	1.12%	1.73%	3.57%
BBgBarc Aggregate Bond Index	-1.46%	-1.46%	3.54%	2.65%	0.55%	5.97%	-2.02%	1.20%	1.20%	1.82%	3.63%
Intermediate Term Bond Universe	-1.33%	-1.33%	3.81%	3.26%	-0.29%	5.17%	-1.40%	1.35%	1.28%	1.78%	3.85%
WORLD ALLOCATION											
CREF Social Choice R3	-0.71%	-0.71%	14.27%	7.40%	-0.87%	6.83%	16.68%	9.30%	5.86%	7.15%	6.47%
60% MSCI World 40% BBgBarc Agg Index	-1.21%	-1.21%	14.90%	6.09%	0.26%	5.77%	14.83%	8.92%	5.72%	6.98%	5.69%
World Allocation Universe	-0.86%	-0.86%	14.38%	5.82%	-4.03%	1.93%	11.81%	8.69%	4.17%	5.00%	4.64%

*ANNUALIZED CONTINUED...

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INVESTMENT NAME	Q1 '18	YTD '18	2017	2016	2015	2014	2013	1 YEAR*	3 YEAR*	5 YEAR*	10 YEAR*
TARGET DATE RET INCOME MODERATE											
Vanguard Target Retirement Income Inv	-0.50%	-0.50%	8.47%	5.25%	-0.17%	5.54%	5.87%	5.35%	3.68%	4.33%	4.93%
Morningstar Lifetime Moderate Income Index	-0.35%	-0.35%	8.55%	5.98%	-1.30%	4.09%	6.45%	5.64%	3.84%	4.00%	-
Retirement Income Moderate	-0.96%	-0.96%	9.75%	5.04%	-1.38%	4.58%	6.61%	5.82%	3.42%	4.22%	4.50%
TARGET DATE 2015 MODERATE											
Vanguard Target Retirement 2015 Inv	-0.52%	-0.52%	11.50%	6.16%	-0.46%	6.56%	13.00%	7.30%	4.73%	6.17%	5.74%
Morningstar Lifetime Moderate 2015 Index	-0.74%	-0.74%	11.39%	7.10%	-1.73%	5.55%	10.50%	7.31%	4.71%	5.42%	-
2015 Moderate	-0.83%	-0.83%	11.31%	6.29%	-1.40%	4.69%	11.76%	6.64%	4.30%	5.48%	4.91%
TARGET DATE 2020 MODERATE											
Vanguard Target Retirement 2020 Inv	-0.57%	-0.57%	14.08%	6.95%	-0.68%	7.11%	15.85%	8.95%	5.65%	7.26%	6.21%
Morningstar Lifetime Moderate 2020 Index	-0.83%	-0.83%	12.79%	7.66%	-1.88%	5.87%	12.98%	8.19%	5.20%	6.12%	-
2020 Moderate	-0.72%	-0.72%	13.46%	6.14%	-1.41%	5.02%	15.43%	8.20%	4.92%	6.46%	5.43%
TARGET DATE 2025 MODERATE											
Vanguard Target Retirement 2025 Inv	-0.59%	-0.59%	15.94%	7.48%	-0.85%	7.17%	18.14%	10.20%	6.30%	7.96%	6.48%
Morningstar Lifetime Moderate 2025 Index	-0.87%	-0.87%	14.54%	8.39%	-2.06%	6.04%	16.28%	9.31%	5.84%	7.00%	-
2025 Moderate	-0.62%	-0.62%	15.26%	6.84%	-1.42%	5.11%	17.80%	9.54%	5.69%	7.09%	5.89%
TARGET DATE 2030 CONSERVATIVE											
Vanguard Target Retirement 2030 Inv	-0.56%	-0.56%	17.52%	7.85%	-1.03%	7.17%	20.49%	11.19%	6.83%	8.60%	6.71%
Morningstar Lifetime Conservative 2030 Index	-0.94%	-0.94%	13.16%	7.73%	-2.06%	6.09%	12.23%	8.34%	5.22%	6.10%	-
2030 Conservative	-1.02%	-1.02%	15.86%	7.25%	-2.00%	5.10%	15.31%	9.66%	5.60%	6.86%	5.49%

*ANNUALIZED CONTINUED...

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INVESTMENT NAME	Q1 '18	YTD '18	2017	2016	2015	2014	2013	1 YEAR*	3 YEAR*	5 YEAR*	10 YEAR*
TARGET DATE 2035 MODERATE											
Vanguard Target Retirement 2035 Inv	-0.58%	-0.58%	19.12%	8.26%	-1.26%	7.24%	22.82%	12.23%	7.35%	9.22%	7.02%
Morningstar Lifetime Moderate 2035 Index	-0.82%	-0.82%	18.52%	10.07%	-2.58%	5.80%	22.04%	11.95%	7.31%	8.65%	-
2035 Moderate	-0.39%	-0.39%	19.40%	8.01%	-1.34%	5.34%	22.01%	12.50%	7.37%	8.80%	6.97%
TARGET DATE 2040 MODERATE											
Vanguard Target Retirement 2040 Inv	-0.53%	-0.53%	20.71%	8.73%	-1.59%	7.15%	24.37%	13.25%	7.86%	9.73%	7.34%
Morningstar Lifetime Moderate 2040 Index	-0.79%	-0.79%	19.87%	10.61%	-2.83%	5.51%	23.05%	12.86%	7.78%	9.03%	-
2040 Moderate	-0.44%	-0.44%	20.12%	7.48%	-1.42%	5.53%	23.38%	12.95%	7.27%	9.05%	6.63%
TARGET DATE 2045 MODERATE											
Vanguard Target Retirement 2045 Inv	-0.58%	-0.58%	21.42%	8.87%	-1.57%	7.16%	24.37%	13.68%	8.10%	9.88%	7.40%
Morningstar Lifetime Moderate 2045 Index	-0.78%	-0.78%	20.53%	10.84%	-3.03%	5.25%	23.07%	13.31%	7.96%	9.11%	-
2045 Moderate	-0.53%	-0.53%	20.49%	7.99%	-1.99%	5.03%	22.00%	13.14%	7.33%	8.74%	6.55%
TARGET DATE 2050 MODERATE											
Vanguard Target Retirement 2050 Inv	-0.55%	-0.55%	21.39%	8.85%	-1.58%	7.18%	24.34%	13.69%	8.11%	9.88%	7.41%
Morningstar Lifetime Moderate 2050 Index	-0.78%	-0.78%	20.78%	10.89%	-3.19%	5.00%	22.83%	13.47%	7.98%	9.05%	-
2050 Moderate	-0.52%	-0.52%	20.59%	7.99%	-1.79%	5.23%	23.68%	13.22%	7.40%	9.04%	6.80%
TARGET DATE 2055 MODERATE											
Vanguard Target Retirement 2055 Inv	-0.56%	-0.56%	21.38%	8.88%	-1.72%	7.19%	24.33%	13.69%	8.05%	9.85%	-
Morningstar Lifetime Moderate 2055 Index	-0.79%	-0.79%	20.95%	10.90%	-3.34%	4.74%	22.49%	13.57%	7.97%	8.96%	-
2055 Moderate	-0.64%	-0.64%	20.87%	8.38%	-1.55%	5.95%	23.75%	13.29%	7.66%	9.38%	7.88%

*ANNUALIZED CONTINUED...

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INVESTMENT NAME	Q1 '18	YTD '18	2017	2016	2015	2014	2013	1 YEAR*	3 YEAR*	5 YEAR*	10 YEAR*
TARGET DATE 2060+ MODERATE											
Vanguard Target Retirement 2060 Inv	-0.55%	-0.55%	21.36%	8.84%	-1.68%	7.16%	24.35%	13.68%	8.05%	9.85%	-
Vanguard Target Retirement 2065 Inv	-0.60%	-0.60%	-	-	-	-	-	-	-	-	-
Morningstar Lifetime Moderate 2060 Index	-0.79%	-0.79%	21.06%	10.88%	-3.48%	4.53%	-	13.63%	7.94%	-	-
2060+ Moderate	-0.42%	-0.42%	20.99%	8.72%	-0.89%	7.24%	24.34%	13.48%	8.22%	9.93%	-
ALLOCATION85%+ EQUITY											
CREF Stock R3	-0.43%	-0.43%	23.45%	9.17%	-0.84%	6.41%	27.83%	15.14%	9.03%	10.82%	7.49%
85% S&P 500, 15% BBgBarc Agg	-0.82%	-0.82%	18.92%	10.60%	1.38%	12.54%	26.65%	12.04%	9.37%	11.59%	8.76%
Allocation85%+ Equity Universe	-0.75%	-0.75%	19.17%	8.61%	-2.36%	5.63%	27.47%	12.00%	6.86%	9.38%	6.71%
LARGE COMPANY VALUE											
JHancock Disciplined Value R6	-1.78%	-1.78%	19.33%	14.07%	-4.81%	11.04%	35.97%	12.84%	8.44%	11.60%	9.67%
Russell 1000 Value	-2.83%	-2.83%	13.66%	17.34%	-3.83%	13.45%	32.53%	6.95%	7.88%	10.78%	7.78%
Large Value Universe	-2.55%	-2.55%	15.88%	14.56%	-3.95%	10.50%	31.61%	8.92%	7.50%	10.27%	7.61%
LARGE COMPANY BLEND											
Vanguard Institutional Index I	-0.77%	-0.77%	21.79%	11.93%	1.37%	13.65%	32.35%	13.96%	10.75%	13.28%	9.50%
S&P 500 Index	-0.76%	-0.76%	21.83%	11.96%	1.38%	13.69%	32.39%	13.99%	10.78%	13.31%	9.49%
Large Blend Universe	-1.04%	-1.04%	20.31%	10.39%	-0.81%	11.33%	31.95%	12.86%	8.89%	11.75%	8.55%
LARGE COMPANY GROWTH											
Harbor Capital Appreciation Retirement	4.35%	4.35%	36.68%	-1.04%	10.99%	9.93%	37.66%	28.88%	14.07%	17.27%	11.93%
Russell 1000 Growth	1.42%	1.42%	30.21%	7.08%	5.67%	13.05%	33.48%	21.25%	12.90%	15.53%	11.34%
Large Growth Universe	2.58%	2.58%	28.34%	3.05%	3.86%	10.02%	34.35%	21.05%	10.84%	13.97%	9.94%

*ANNUALIZED CONTINUED...

Period Ending 3.31.18 | Q1 18

University of Maine System

INVESTMENT NAME	Q1 '18	YTD '18	2017	2016	2015	2014	2013	1 YEAR*	3 YEAR*	5 YEAR*	10 YEAR*
MEDIUM COMPANY VALUE											
Virtus Ceredex Mid Cap Value Equity IS	-0.79%	-0.79%	11.98%	20.53%	-5.63%	11.05%	31.21%	5.57%	7.93%	10.62%	10.99%
Russell Mid Cap Value	-2.50%	-2.50%	13.34%	20.00%	-4.78%	14.75%	33.46%	6.50%	7.23%	11.11%	9.81%
Mid Value Universe	-2.26%	-2.26%	12.97%	18.07%	-5.44%	9.65%	34.93%	6.76%	6.49%	10.04%	8.80%
MEDIUM COMPANY BLEND											
Vanguard Extended Market Index Inst	0.16%	0.16%	18.12%	16.15%	-3.24%	7.56%	38.42%	13.14%	8.08%	11.88%	10.44%
Russell Mid Cap	-0.46%	-0.46%	18.52%	13.80%	-2.44%	13.22%	34.76%	12.20%	8.01%	12.09%	10.21%
Mid Blend Universe	-1.26%	-1.26%	15.58%	14.33%	-4.42%	8.52%	34.50%	9.43%	6.29%	10.21%	8.84%
MEDIUM COMPANY GROWTH											
Goldman Sachs Growth Opportunities R6	3.88%	3.88%	27.24%	1.49%	-5.24%	11.44%	32.38%	21.44%	7.56%	11.41%	10.34%
Russell Mid Cap Growth	2.17%	2.17%	25.27%	7.33%	-0.20%	11.90%	35.74%	19.74%	9.17%	13.31%	10.61%
Mid Growth Universe	2.48%	2.48%	24.66%	5.94%	-0.69%	7.22%	34.98%	18.98%	8.50%	12.10%	9.48%
FOREIGN LARGE VALUE											
MFS International Value R6	-0.69%	-0.69%	27.25%	4.31%	6.85%	1.61%	27.80%	17.76%	9.70%	11.08%	7.40%
MSCI EAFE	-1.41%	-1.41%	25.62%	1.51%	-0.39%	-4.48%	23.29%	15.32%	6.05%	6.98%	3.23%
Foreign Large Value Universe	-1.45%	-1.45%	22.75%	3.10%	-3.24%	-6.27%	20.76%	12.88%	4.85%	5.56%	2.10%
FOREIGN LARGE BLEND											
Vanguard Total Intl Stock Index Inst	-0.45%	-0.45%	27.55%	4.70%	-4.24%	-4.15%	15.15%	17.08%	6.95%	6.43%	2.85%
MSCI EAFE	-1.41%	-1.41%	25.62%	1.51%	-0.39%	-4.48%	23.29%	15.32%	6.05%	6.98%	3.23%
Foreign Large Blend Universe	-0.80%	-0.80%	25.35%	1.00%	-1.57%	-4.98%	19.51%	15.45%	5.66%	6.24%	2.71%

*ANNUALIZED CONTINUED...

Period Ending 3.31.18 | Q1 18

University of Maine System

INVESTMENT NAME	Q1 '18	YTD '18	2017	2016	2015	2014	2013	1 YEAR*	3 YEAR*	5 YEAR*	10 YEAR*
FOREIGN LARGE GROWTH											
Oppenheimer Intl Growth I	0.18%	0.18%	27.15%	-1.88%	3.63%	-6.80%	25.71%	18.22%	7.53%	7.42%	5.61%
MSCI EAFE	-1.41%	-1.41%	25.62%	1.51%	-0.39%	-4.48%	23.29%	15.32%	6.05%	6.98%	3.23%
Foreign Large Growth Universe	0.40%	0.40%	31.65%	-2.16%	0.89%	-3.86%	19.97%	21.00%	7.51%	7.64%	3.91%
SMALL COMPANY VALUE											
Victory Sycamore Small Company Opp I	-1.10%	-1.10%	11.88%	30.04%	-0.39%	6.80%	33.39%	10.62%	11.81%	12.92%	11.02%
Russell 2000 Value	-2.64%	-2.64%	7.84%	31.74%	-7.47%	4.22%	34.52%	5.13%	7.87%	9.96%	8.61%
Small Value Universe	-2.59%	-2.59%	9.21%	25.70%	-6.75%	3.39%	35.63%	5.95%	6.81%	9.36%	8.88%
SMALL COMPANY GROWTH											
Carillon Eagle Small Cap Growth R6	1.64%	1.64%	23.40%	10.45%	-0.39%	5.59%	34.70%	14.02%	9.16%	12.16%	11.17%
Russell 2000 Growth	2.30%	2.30%	22.17%	11.32%	-1.38%	5.60%	43.30%	18.63%	8.77%	12.90%	10.95%
Small Growth Universe	2.56%	2.56%	22.31%	11.24%	-2.28%	2.70%	41.24%	18.69%	8.80%	12.00%	10.40%
EMERGING MARKETS											
DFA Emerging Markets Core Equity I	1.68%	1.68%	36.55%	12.35%	-14.86%	-0.91%	-2.64%	22.14%	9.22%	5.27%	4.33%
MSCI Emerging Markets	1.47%	1.47%	37.75%	11.60%	-14.60%	-1.82%	-2.27%	25.37%	9.21%	5.37%	3.36%
Emerging Markets Universe	1.99%	1.99%	35.22%	8.24%	-13.59%	-2.74%	0.32%	23.48%	8.44%	4.86%	3.11%
SPECIALTY-PRIVATE REAL ESTATE											
TIAA Real Estate Account	0.95%	0.95%	4.37%	5.20%	8.16%	12.22%	9.65%	4.19%	5.20%	7.69%	2.52%
NCREIF Property Index	1.70%	1.70%	6.98%	7.97%	13.33%	11.81%	10.99%	7.13%	8.73%	10.00%	6.09%
Specialty-Real Estate Universe	-6.93%	-6.93%	5.74%	6.63%	2.46%	28.39%	1.69%	-2.42%	0.91%	5.60%	5.93%

*ANNUALIZED

SECTION 4: FUND FACT SHEETS

Period Ending 3.31.18 | Q1 18

University of Maine System

SECTION 4: FUND FACT SHEETS

Fund Fact Sheets.....

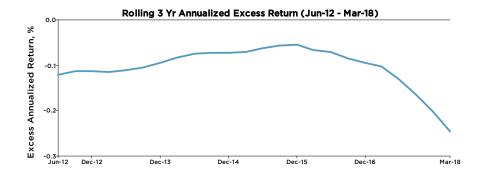
CREF MONEY MARKET R3

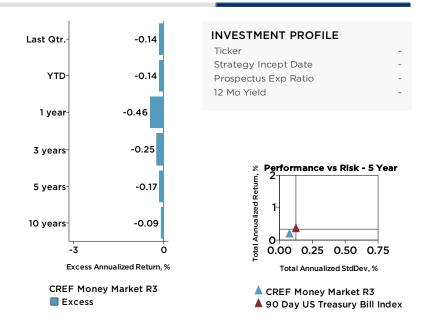
Period Ending 3.31.18 | Q1 18

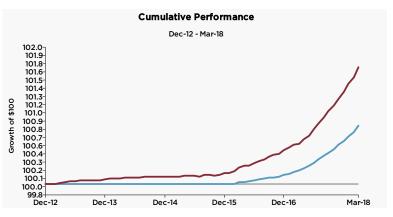
INDUSTRY ANALYSIS

Money market reform passed in 2010 imposed new mandates on 2a-7 managers including shorter average maturities, tighter restrictions on allowable securities, increased liquidity mandates and mandatory stress testing by fund managers. In July 2014, the SEC passed further 2a-7 regulations that mandated a floating rate NAV for some products and allowed managers, under certain circumstances, to limit redemptions or charge a fee for withdrawals. The July regulations will have a multi-year phase-in period.

	CREF Money Market R3	90 Day US Treasury Bill Index
TRAILING RETURNS		
Last Qtr.	0.22	0.35
YTD	0.22	0.35
1 Year	0.65	1.11
3 Years	0.28	0.53
5 Years	0.17	0.34
10 Years	0.25	0.34
CALENDAR RETURNS		
2017	0.50	0.86
2016	0.13	0.33
2015	0.00	0.05
2014	0.00	0.03
2013	0.00	0.07
KEY MEASURES / 5 YEAR		
5 Year	0.08	0.13







Performance Disclosure: The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate thus an investor's shares, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call (800) 216-0645. Index averages are derived from Morningstar. The opinions expressed in this report are subject to change without notice. This material is not a solicitation or an offer to buy any security or to participate in any investment strategy and is not guaranteed as to accuracy. Any such solicitation must be made by prospectus only. To obtain a prospectus, please call your Financial Advisor at (800) 216-0645. CAPTRUST Financial Advisors.

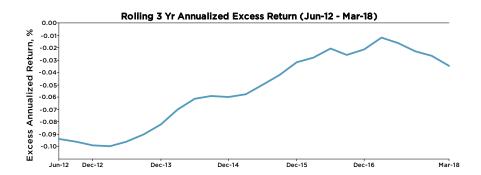
VANGUARD FEDERAL MONEY MARKET

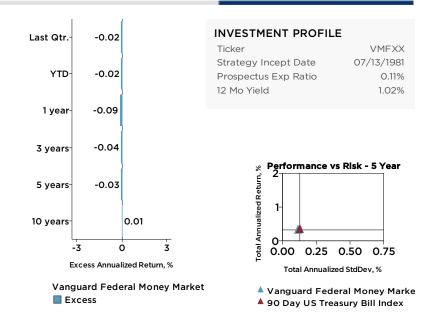
Period Ending 3.31.18 | Q1 18

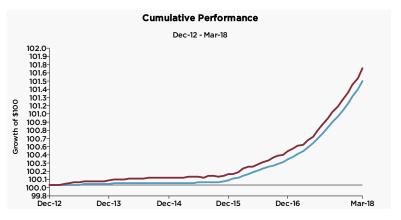
INDUSTRY ANALYSIS

Money market reform passed in 2010 imposed new mandates on 2a-7 managers including shorter average maturities, tighter restrictions on allowable securities, increased liquidity mandates and mandatory stress testing by fund managers. In July 2014, the SEC passed further 2a-7 regulations that mandated a floating rate NAV for some products and allowed managers, under certain circumstances, to limit redemptions or charge a fee for withdrawals. The July regulations will have a multi-year phase-in period.

	Vanguard Federal Money Market	90 Day US Treasury Bill Index
TRAILING RETURNS		
Last Qtr.	0.33	0.35
YTD	0.33	0.35
1 Year	1.02	1.11
3 Years	0.49	0.53
5 Years	0.30	0.34
10 Years	0.35	0.34
CALENDAR RETURNS		
2017	0.81	0.86
2016	0.30	0.33
2015	0.04	0.05
2014	0.01	0.03
2013	0.02	0.07
KEY MEASURES / 5 YEAR		
5 Year	0.12	0.13







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TIAA TRADITIONAL - GROUP RETIREMENT ANNUITY (GRA)

Period Ending 3.31.18 | Q1 18

INDUSTRY ANALYSIS

The insurance providers and industry as a whole have historically exhibited a high degree of sensitivity to broad financial markets. The economic and market downturn of 2008 and 2009 proved to be no exception as many of these providers watched as the assets on their balance sheets – public and private – were marked meaningfully lower. The shrinking assets resulted in deterioration of capital ratios and reserve amounts across the industry, leading to system-wide downgrades from the ratings agencies. However, the drive in equity markets since the nadir in March of 2009 have presented a formidable rally across every major fixed income sector. As this rally strengthened the balance sheets of insurers, attention shifted away from the industry, which has now been able to breathe a collective sigh of relief. While the insurance industry has staged an impressive recovery, investors should use this episode as a reminder of the risks inherent with single-insurer backed products.

CAPIRUSI ANALYSI	RUST ANALYSI	S
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Jennifer Dunbar - Senior Manager | Investment Research

The TIAA Traditional Annuity is a guaranteed annuity account (group annuity contract) that is backed by the financial strength and claims-paying ability of TIAA. The product offers participants guaranteed principal and a contractually specified interest rate. The contractually agreed upon minimum annual interest rate is 3%. The TIAA Board of Trustees also reserves the right each year to declare a higher crediting rate to participants which remains effective for a twelve month period that begins each March 1.

The product has a payout structure at the participant level that varies the length of time it takes for a participant to fully redeem . This payout structure is individual contract-specific.

GROSS CREDITING RATES - For Contributions Applied:				
1/1/17 - 3/31/17	4/1/17 - 6/30/17	7/1/17 - 9/30/17	10/1/17 - 12/31/17	1/1/18 - 3/31/18
4.00%	4.00%	4.00%	4.00%	4.00%

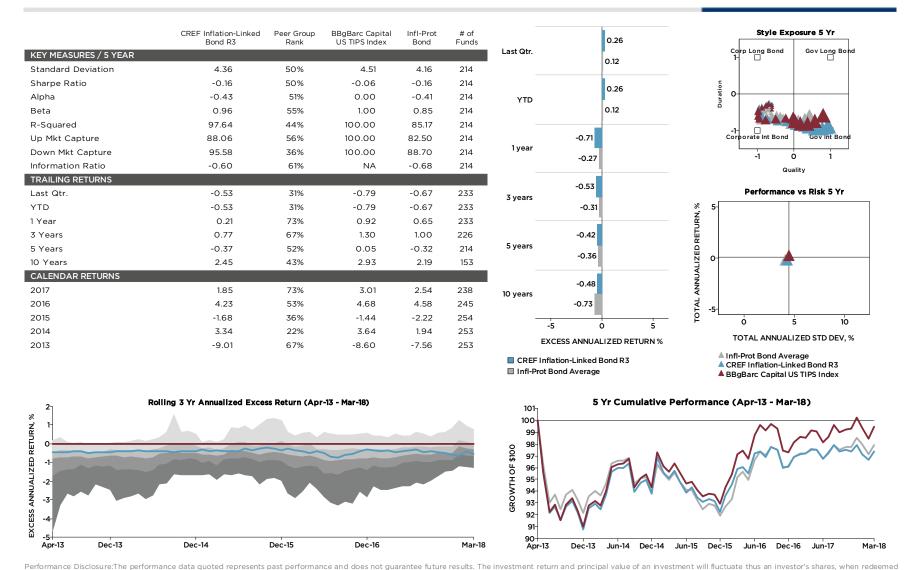
INVESTMENT DETAILS				
Crediting Rate Details:	Current contributions are invested at the new money rate, which can change monthly but is guaranteed until the last day of February. Old Money is grouped by time period into vintages, rate on all vintages are reviewed for reset every March 1st.			
Competing Options:	Allowed.			
Minimum Rate:	3.00% during accumulation stage and 2.50% during annuity payout stage, reset annually.			

LIQUIDITY PROVISIONS				
Plan Sponsor	Participant			
Not applicable. Contracts are individually owned by the participant.	Lump Sum withdrawals are available within 120 days of termination of employment with a 2.5% surrender charge. Transfers and withdrawals can be made in 10 annual installments (paid over 9 years and 1 day).			

Important Disclosures: This slide is intended solely for institutional use. The opinions expressed in this report are subject to change without notice. The statistics and data have been compiled from sources believed to be reliable but are not guaranteed to be accurate or complete. Any performance quoted represents past performance and does not guarantee future results. Bloomberg Index averages are derived from Morningstar. This material is not a solicitation or an offer to buy any security or to participate in any investment strategy. Any such solicitation must be made by prospectus only. For more information or to obtain a prospectus, please contact your financial advisors at 800.216.0645. CAPTRUST Financial Advisors.

CREF INFLATION-LINKED BOND R3

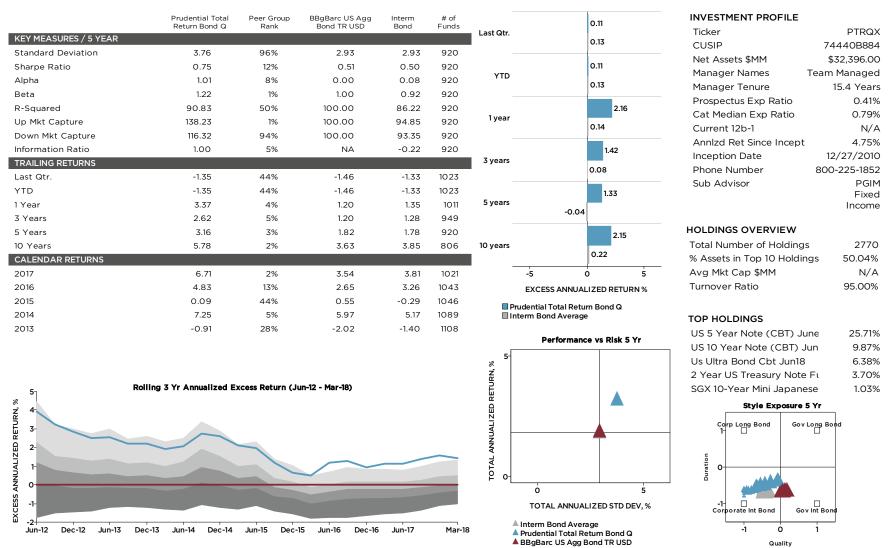
Period Ending 3.31.18 | Q1 18



may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data quoted their original cost. Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call (800) 216-0645. Index averages are derived from Morningstar. The opinions expressed in this report are subject to change without notice. This material is not a solicitation or an offer to buy any security or to participate in any investment strategy and is not guaranteed as to accuracy. Any such solicitation must be made by prospectus only. To obtain a prospectus, please call your Financial Advisor at (800) 216-0645. CAPTRUST Financial Advisors.

Prudential Total Return Bond Q

Period Ending 3.31.18 | Q1 18



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VANGUARD TOTAL BOND MARKET INDEX ADM

Period Ending 3.31.18 | Q1 18

	Vanguard Total Bond	Peer Group Rank	BBgBarc US Agg	Interm	# of			0.01	INVESTMENT PROFILE	
KEY MEASURES / 5 YEAR	Market Index Adm	капк	Float Adj TR USD	Bond	Funds	Last Qtr.			Ticker	VBTL
	7.00	710/	2.00	2.07	000			0.15	CUSIP	92193760
Standard Deviation	3.06	71%	2.98	2.93	920			0.01	Net Assets \$MM	\$197,795.0
Sharpe Ratio	0.46	55%	0.50	0.50	920	YTD			Manager Names	Team Manage
Alpha	-0.12	62%	0.00	0.10	920			0.15	Manager Tenure	5.1 Yea
Beta	1.02	11%	1.00	0.91	920		-0.11		Prospectus Exp Ratio	0.05
R-Squared	99.37	3%	100.00	86.23	920	1 year	-0.11		Cat Median Exp Ratio	0.79
Up Mkt Capture	101.20	30%	100.00	93.75	920	-		0.11	Current 12b-1	N/
Down Mkt Capture	104.54	78%	100.00	91.69	920				Annizd Ret Since Incep	4.04
Information Ratio	-0.34	66%	NA	-0.20	920	3 years	-0.08		Inception Date	11/12/20
TRAILING RETURNS						O , ca		0.07	Phone Number	800-662-744
Last Qtr.	-1.47	59%	-1.48	-1.33	1023				Sub Advisor	N/
YTD	-1.47	59%	-1.48	-1.33	1023	5 years	-0.09			
1 Year	1.12	57%	1.24	1.35	1011	3 years	-0.04			
3 Years	1.12	58%	1.20	1.28	949				HOLDINGS OVERVIEW	
5 Years	1.73	51%	1.82	1.78	920	10				ıs 1749
10 Years	3.57	68%	NA	3.85	806	10 years			Total Number of Holding	,
CALENDAR RETURNS						Ι.	<u></u>		% Assets in Top 10 Holdi	ngs 4.079 N/
2017	3.57	57%	3.63	3.81	1021		-	0 5	Avg Mkt Cap \$MM	
2016	2.60	65%	2.75	3.26	1043		EXCESS ANNUAL	LIZED RETURN %	Turnover Ratio	55.009
2015	0.40	28%	0.44	-0.29	1046			Market Index Adm		
2014	5.89	31%	5.85	5.17	1089	□ Ir	iterm Bond Average	9	TOP HOLDINGS	
2013	-2.15	68%	-1.97	-1.40	1108		Daufarmana	e vs Risk 5 Yr	United States Treasury	Note 0.47
						_	Performanc	e vs Risk 5 TI	United States Treasury	Note 0.43
						5- %			United States Treasury	Note 0.42
						ž			United States Treasury	Note 0.42
5 ₇ Ro	illing 3 Yr Annualized Exce	ss Return (Jun	-12 - Mar-18)			RETURN,			United States Treasury	Note 0.41
%						8			Style Exposure	5 Yr
Z 4- Z 2 3-						N				
를 3-						Æ			Corp Long Bond Go	/Long Bond
						ANNUALI		-		
ANNUALIZED 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-									<u> </u>	
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SS							0	5		_
SS -1-							TOTAL ANNUA	LIZED STD DEV, %	-1- □ Corporate Int Bond Go	ov Int Bond
<u> -2</u>	'	·	. '	. '			Interm Bond Aver	age	<u> </u>	
Jun-12 Dec-12 Jun-13 De	ec-13 Jun-14 Dec-14 J	un-15 Dec-15	Jun-16 Dec-16	Jun-17	Mar-18			ond Market Index Adm	-1 0	I

CREF SOCIAL CHOICE R3

Period Ending 3.31.18 | Q1 18

	CREF Social Choice R3	Peer Group Rank	Custom CREF Social Choice Bmk	World Alloc	# of Funds			0.43		Styl	e Exposu	
(EY MEASURES / 5 YEAR						Last Qtr.		0.27		US Bonds	•	US Equity
Standard Deviation	6.03	13%	6.14	7.48	401	_		0.27	- Domestic			
Sharpe Ratio	1.13	1%	1.16	0.64	401			0.43	E o		7	
Alpha	-0.12	1%	0.00	-3.12	401	YTD		0.43				
Beta	0.98	80%	1.00	1.09	401			0.27	Foreign			
R-Squared	99.04	1%	100.00	82.49	401				ů.			
Up Mkt Capture	97.13	46%	100.00	94.81	401			0.49		-1- Int'l Bond:	s	Int'l Equity
Down Mkt Capture	98.69	10%	100.00	129.75	401	1 year	-0.13	_		-1	0	<u> </u>
Information Ratio	-0.44	29%	NA	-0.73	401		-0.13	ļ			Fixed - Equ	itv
TRAILING RETURNS						_	0.00			•	. IACG EQ	,
Last Qtr.	-0.71	50%	-1.14	-0.86	495	3 years	-0.06			Perforr	mance vs	Risk 5 Yr
YTD	-0.71	50%	-1.14	-0.86	495	5 , 5 a i 5	-1.76		× 10-			
1 Year	9.30	40%	8.81	8.69	478	_			χ.			
3 Years	5.86	17%	5.92	4.17	427		-0.29		Ĕ H			
5 Years	7.15	9%	7.44	5.00	401	5 years	2.44		9			
10 Years	6.47	5%	6.39	4.64	255		-2.44		Ĭ 5			
CALENDAR RETURNS						_			TOTAL ANNUALIZED RETURN, %			
2017	14.27	52%	14.44	14.38	480	10 years		0.08	Ž			
2016	7.40	25%	7.12	5.82	495	.0 ,0010	-1.75		₹ 0			
2015	-0.87	18%	0.20	-4.03	507	-		<u> </u>	₽ ₂ √	Ó	5	10
2014	6.83	5%	6.91	1.93	505		-	0 5		-		
2013	16.68	27%	16.23	11.81	503		EXCESS ANNUA	LIZED RETURN %		TOTAL AN	NUALIZED	STD DEV, %
							Social Choice R3 I Alloc Average	:	_	World Alloc A CREF Social Custom CRE	Choice R3	
47	Rolling 3 Yr Annualize	d Excess Return	(Apr-13 - Mar-18)			150-	5	Yr Cumulative I	Performanc	e (Apr-13 -	Mar-18)
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						140-						
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Z -6-						6 110-	~	/ ^^	$\mathcal{A}_{\mathbf{v}}$			
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-10						100-	~					
Apr-13 Dec-13	Dec-14	Dec-15	Dec-16		Mar-18	95- Ap	r-13 Dec-13	Jun-14 Dec-14	Jun-15 Dec	-15 Jun-16	Dec-16	Jun-17

Performance Disclosure: The performance data quoted represents past performance and does not guarantee future results. The investment return and principal value of an investment will fluctuate thus an investor's shares, when redeemed may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call (800) 216-0645. Index averages are derived from Morningstar. The opinions expressed in this report are subject to change without notice. This material is not a solicitation or an offer to buy any security or to participate in any investment strategy and is not guaranteed as to accuracy. Any such solicitation must be made by prospectus only. To obtain a prospectus, please call your Financial Advisor at (800) 216-0645. CAPTRUST Financial Advisors

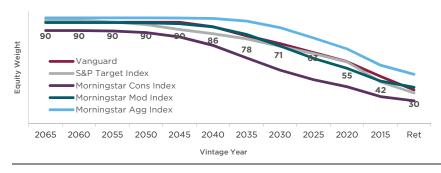
VANGUARD TARGET RETIREMENT

Period Ending 3.31.18 | Q118

Investo	r Assumptions/Glidepath Methodology
Glidepath Management	Through retirement (assumed at age 65) ending 7 years after retirement
Assumed Investor Savings Rate:	Contributions start at 5% at age 25 and increase to 10% at age 65. Also includes a 50% employer match up to 3% of salary.
Assumed Investor Income Growth Rate	• 1.1% annual salary growth
Income Replacement	The portfolios are designed to provide withdrawals in retirement based on multiples of an investor's age 65 salary.
Assumed Accumulated Savings at Retirement	· N/A
Life Expectancy	• Through age 95
Asset Allocation Flexibility	Strict targets with narrow ranges.
Other Assumptions	Glidepath was tested against 10,000 potential lifetime return outcomes

Vanguard uses a proprietary capital markets modeling tool to statistically analyze historical data, including interest rates, inflation, and other risk factors for global equities, fixed income, and commodity markets. This tool is used to generate forward-looking distributions of expected returns. Then, by combining these figures with their investor assumptions, Vanguard constructs target portfolios with asset allocations that seek to provide the highest probability of a successful outcome (not outliving retirement savings).

Target Asset Allocation Glidepath per Vintage Year



	Investmer	nt Profile	
% Open Architecture:	0%	Active/Passive:	Passive
Inception Date:	10-27-2003	% Active:	0%
Net Assets \$MM:	\$243,591	Manager Tenure:	5.17 years (longest)
Manager Name:	Team	Expense Range:	0.13% - 0.15%
Avg # of Holdings:	5	Investment Structure:	Mutual Fund

Dedicated Asset Class Granularity/Diversification

Emerging Market Equities	Through Intl Index Fund
International/Global Debt	Yes
Inflation-Protected Securities	Yes
High Yield Fixed Income	No
Real Estate	No
Commodities	No

The Vanguard Target Retirement funds allocate to five broad index funds that provide comprehensive exposure to U.S. and non-U.S. equity and bond markets. Using index funds allows Vanguard to provide investment diversification at a low cost while also producing returns in line with equity and fixed income markets. Through its five index funds, the strategies gain exposure to over 25 sub-asset classes, capturing over 90% of the world's investable market.

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VANGUARD TARGET RETIREMENT

Period Ending 3.31.18 | Q1 18

Material Changes to the Series

2006:

- · Increased minimum equity allocation from 20% to 30%
- · Added Emerging Markets Equity

Rationale:

- Participant behavior showed lower savings rate
- Decreased costs within the EM space led to increased liquidity

2010:

 Collapsed three international equity index funds (Europe, Pacific, and Emerging Markets) with Vanguard Total International Stock Index

Rational

· More cost-effective way to gain international exposure

2013:

- Replaced the broad TIPs fund with a short-term TIPs allocation
- · Eliminated the Prime Money Market fund
- Added a 20% International Bond Index Allocation

Rationale:

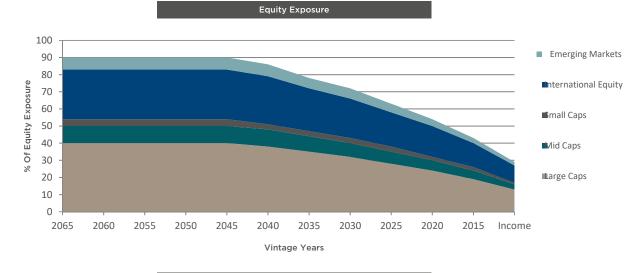
- Short-Term TIPs provide better inflation exposure with lower interest rate risk
- Deemed to be an unnecessary asset class
- Dedicated exposure to move more in line with the Global fixed income Market Cap; better FI diversification

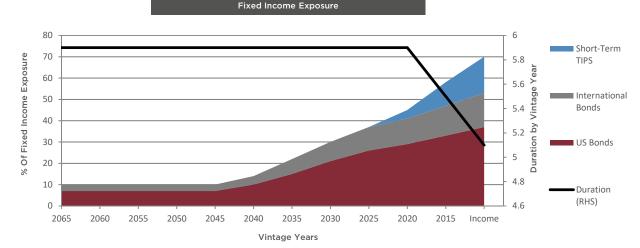
2015:

- · Increased international stock allocation from 30% to 40%
- · Increased International bond allocation from 20% to 30%

Rationale:

· Move to be more in line with the Global Market Cap





*All information provided by the asset manager, as of 12/31/17. Asset allocations shown are static in nature and do not incorporate any tactical views implemented by the manager.

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TARGET DATE ANALYSIS

Period Ending 3.31.18 | Q1 18

					5 Year					
	Beta	Sharpe	Up Capture	Down Capture	Beta	Sharpe	Up Capture	Down Capture		
Vanguard Target Retirement 2015 Inv	0.98	0.84	97.62	96.04	0.99	1.14	100.80	95.79		
Morningstar Target Date 2015	0.97	0.76	95.19	99.79	0.97	0.94	92.98	102.30		
S&P Target Date 2015 TR	1.00	0.83	100.00	100.00	1.00	1.08	100.00	100.00		

					5 Year				
	Beta	Sharpe	Up Capture	Down Capture	Beta	Sharpe	Up Capture	Down Capture	
Vanguard Target Retirement 2025 Inv	1.03	0.84	104.30	103.25	1.02	1.13	104.94	100.47	
Morningstar Target Date 2025	1.00	0.72	96.38	103.76	1.00	0.95	96.09	103.44	
S&P Target Date 2025 TR	1.00	0.83	100.00	100.00	1.00	1.06	100.00	100.00	

		3 Y	⁄ear		5 Year					
	Beta	Sharpe	Up Capture	Down Capture	Beta	Sharpe	Up Capture	Down Capture		
Vanguard Target Retirement 2045 Inv	1.06	0.81	104.51	105.33	1.04	1.06	104.70	103.25		
Morningstar Target Date 2045	1.05	0.74	100.30	106.67	1.03	0.95	99.24	104.59		
S&P Target Date 2045 TR	1.00	0.84	100.00	100.00	1.00	1.05	100.00	100.00		

^{*}Lowest cost share class shown

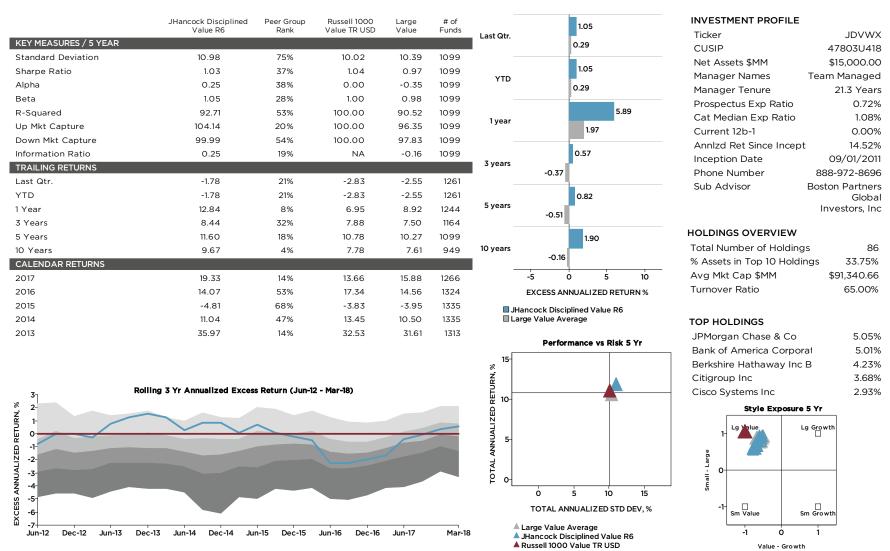
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CREF STOCK R3

	CREF Stock R3	Peer Group Rank	CREF Stock Custom Bmk	Alloc 85+ Equity	# of Funds			0.34		Style Exp	posure 5 Yr
KEY MEASURES / 5 YEAR	Stock No	Kulik	custom Billik	Equity	runus	Last Qtr.				US Bonds	US Equity
Standard Deviation	10.07	82%	10.03	9.66	177			0.02	ti C		
Sharpe Ratio	1.04	16%	1.06	0.94	177			0.74	Foreign - Domestic		
Alpha	-0.21	23%	0.00	-0.91	177	YTD		0.34	ď	0	
Beta	1.00	9%	1.00	0.93	177			0.02	eigr		
R-Squared	99.58	1%	100.00	94.13	177						
Up Mkt Capture	100.00	4%	100.00	89.89	177			0.33		-1- Int'l Bonds	Int'l Equity
Down Mkt Capture	101.83	86%	100.00	96.44	177	1 year	2.01	•		-1	0 1
Information Ratio	-0.27	18%	NA	-0.74	177		-2.81				- Equity
TRAILING RETURNS							0.20				_4,
Last Qtr.	-0.43	43%	-0.77	-0.75	200	3 years	-0.20	2		Performance	e vs Risk 5 Yr
YTD	-0.43	43%	-0.77	-0.75	200	-,	-2.37		× 15-		
1 Year	15.14	17%	14.81	12.00	199	_			Z Z		
3 Years	9.03	3%	9.23	6.86	196		-0.20	o l	H 10-		_
5 Years	10.82	9%	11.01	9.38	177	5 years	.167	1	E E		1
10 Years	7.49	15%	7.69	6.71	148		-1.63		TOTAL ANNUALIZED RETURN, %		
CALENDAR RETURNS							-0.2	1	Š 5-		
2017	23.45	7%	23.13	19.17	199	10 years	-0.2	.1	Ā		
2016	9.17	24%	10.25	8.61	209		-0.99		<u>4</u> ₽		
2015	-0.84	26%	-1.02	-2.36	211	_	-5	0 5	<u>Б</u>	o 5	10 15
2014	6.41	33%	7.41	5.63	204			-		TOTAL ANNUAL	IZED STD DEV, %
2013	27.83	35%	28.07	27.47	184	ļ	EXCESS ANNU	ALIZED RETURN %			
						CREF S	tock R3 5+ Equity Aver	age	▲ C	lloc 85+ Equity A REF Stock R3 REF Stock Custo	_
27	Rolling 3 Yr Annualize	ed Excess Return	(Apr-13 - Mar-18)			180	į	5 Yr Cumulative P	erformance	(Apr-13 - Mai	r-18)
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[⊔] -5 Apr-13 Dec-13	Dec-14	Dec-15	Dec-16	 3	Mar-18	90+ Apr	·13 Dec-13	3 Jun-14 Dec-14	Jun-15 Dec-15	Jun-16 Dec	-16 Jun-17

JHANCOCK DISCIPLINED VALUE R6

Period Ending 3.31.18 | Q1 18



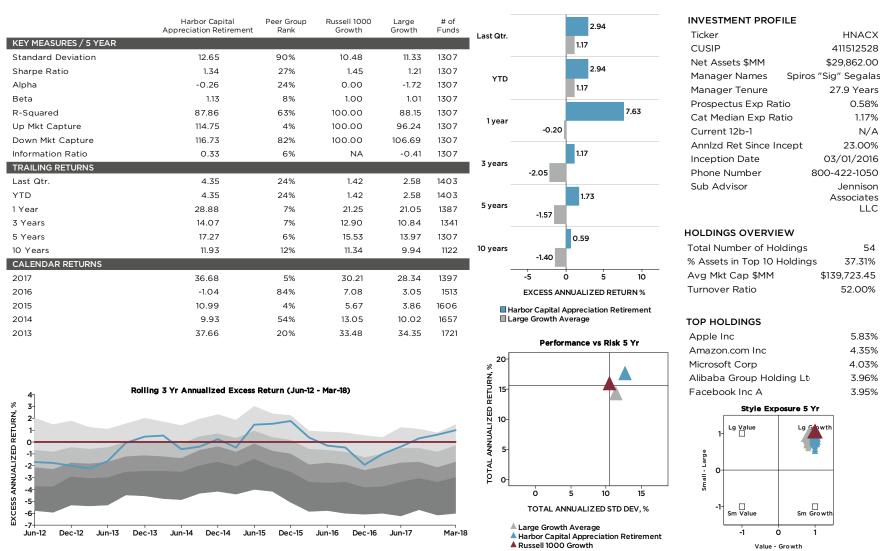
VANGUARD INSTITUTIONAL INDEX I

Period Ending 3.31.18 | Q1 18

KEY MEASURES / 5 YEAR	Vanguard Institutional Index I	Peer Group Rank	S&P 500 TR USD	Large Blend	# of Funds	Last Qtr.	-0.01 -0.28		INVESTMENT PROFILE Ticker	VINI>
Standard Deviation	9.87	30%	9.87	10.23	1187	_	-0.28		CUSIP	922040100
Sharpe Ratio	1.31	7%	1.31	1.12	1187		-0.01		Net Assets \$MM	\$220,311.00
Alpha	-0.03	13%	0.00	-1.49	1187	YTD	-0.28		· ·	eam Managed
Beta	1.00	54%	1.00	1.00	1187		-0.26		Manager Tenure	17.3 Years
R-Squared	100.00	1%	100.00	92.52	1187		-0.03		Prospectus Exp Ratio	0.04%
Up Mkt Capture	99.89	25%	100.00	94.96	1187	1 year	-1.13		Cat Median Exp Ratio	1.10%
Down Mkt Capture	100.08	23%	100.00	104.91	1187		-1.13		Current 12b-1	N/A
Information Ratio	-2.47	91%	NA	-1.24	1187		-0.03		Annlzd Ret Since Incept	9.81%
TRAILING RETURNS						3 years			Inception Date	07/31/1990
Last Qtr.	-0.77	41%	-0.76	-1.04	1370		-1.89		Phone Number	888-809-8102
YTD	-0.77	41%	-0.76	-1.04	1370		-0.03		Sub Advisor	N/A
1 Year	13.96	35%	13.99	12.86	1336	5 years				
3 Years	10.75	10%	10.78	8.89	1257		-1.55			
5 Years	13.28	13%	13.31	11.75	1187		0.4	00	HOLDINGS OVERVIEW	
10 Years	9.50	18%	9.49	8.55	1051	10 years		30	Total Number of Holdings	512
CALENDAR RETURNS							-0.95		% Assets in Top 10 Holding	s 20.58%
2017	21,79	30%	21.83	20.31	1344	_	-5 O	5	Avg Mkt Cap \$MM	\$100,151.04
2016	11.93	26%	11.96	10.39	1413		EXCESS ANNUALIZI	ED RETURN %	Turnover Ratio	5.00%
2015	1.37	21%	1.38	-0.81	1473	=				
2014	13.65	18%	13.69	11.33	1508		inguard Institutional In irge Blend Average	idex I	TOP HOLDINGS	
2013	32.35	43%	32.39	31.95	1514				Apple Inc	3.94%
							Performance v	s Risk 5 Yr	Microsoft Corp	3.94%
						20-			,	
						% Ž			Amazon.com Inc	2.60%
	Rolling 3 Yr Annualized Excess	Doturn (lun-12 -	Mar-10\			ž 2 15-			Facebook Inc A	1.83%
57	Colling 5 IT Almualized Excess	Return (Jun-12 -	Mai -10)			RETURY. 12-		<u> </u>	JPMorgan Chase & Co	1.72%
% 2- z 2-						Ω		7	Style Exposure 5	Yr
Z L L L L L L L L L L L L L L L L L L L						<u>R</u> 10-			Lg Value Lg (Growth
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ANNUALIZED -1						₽ 0-			<u> </u>	
						_	0 5	10 15	_ v	
EXCESS							TOTAL ANNUALIZ	ED STD DEV, %	-1- Sm Value Sm	□ Growth
0	Dec-13 Jun-14 Dec-14 Jun-	15 Dec-15 J	un-16 Dec-16	5 Jun-17	Mar-18	_	Large Blend Average Vanguard Institutiona S&P 500 TR USD	lindex i	-1 O	i

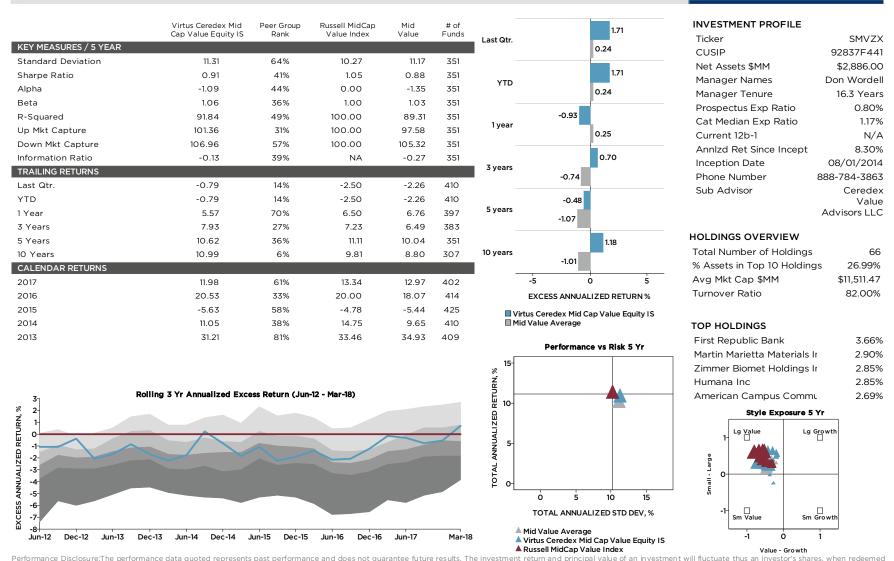
HARBOR CAPITAL APPRECIATION RETIREMENT

Period Ending 3.31.18 | Q1 18



VIRTUS CEREDEX MID CAP VALUE EQUITY IS

Period Ending 3.31.18 | Q1 18



may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call (800) 216-0645. Index averages are derived from Morningstar. The opinions expressed in this report are subject to change without notice. This material is not a solicitation or an offer to buy any security or to participate in any investment strategy and is not guaranteed as to accuracy. Any such solicitation must be made by prospectus only. To obtain a prospectus, please call your Financial Advisor at (800) 216-0645. CAPTRUST Financial Advisors.

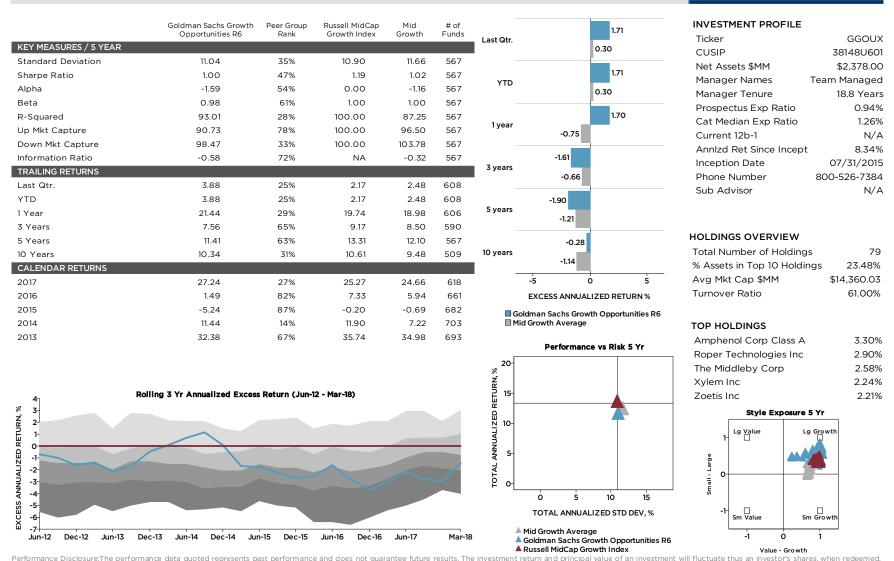
VANGUARD EXTENDED MARKET INDEX INST

Period Ending 3.31.18 | Q1 18

	Vanguard Extended Market Index Inst	Peer Group Rank	S&P Completion TR USD	Mid Blend	# of Funds	Last Qtr.		0.04	INVESTMENT PROFILE Ticker	VIEIX
KEY MEASURES / 5 YEAR						l	-1.38		CUSIP 92290	J8884
Standard Deviation	12.01	84%	11.99	11.21	365			0.04	Net Assets \$MM \$63,2	255.00
Sharpe Ratio	0.96	45%	0.95	0.90	365	YTD	-	0.04	Manager Names Team Mar	naged
Alpha	0.09	53%	0.00	0.02	365		-1.38		Manager Tenure 20.3	Years
Beta	1.00	6%	1.00	0.86	365			0.05	Prospectus Exp Ratio	0.06%
R-Squared	100.00	1%	100.00	85.62	365	1 year	_	0.05	Cat Median Exp Ratio	1.17%
Up Mkt Capture	100.45	5%	100.00	86.08	365		-3.66		Current 12b-1	N/A
Down Mkt Capture	99.93	83%	100.00	87.72	365			0.10	Annlzd Ret Since Incept	8.81%
Information Ratio	1.29	1%	NA	-0.26	365	3 years	_	0.12	Inception Date 07/07	′/1997
TRAILING RETURNS	0.10	470/	0.10	100	47.4	1 -,	-1.68		Phone Number 888-809	}- 8102
Last Qtr.	0.16	13%	0.12	-1.26	434				Sub Advisor	N/A
YTD	0.16	13%	0.12	-1.26	434	5 years	_	0.11		
1 Year	13.14	16%	13.09	9.43	433	0,00.0	-1.56			
3 Years	8.08	30%	7.97	6.29	383				HOLDINGS OVERVIEW	
5 Years	11.88	19%	11.77	10.21	365	10 years		0.14	Total Number of Holdings	3176
10 Years	10.44	15%	10.29	8.84	307	io years	-1.46		9	4.71%
CALENDAR RETURNS	10.10	0504	10.44	45.50	470	_	-5	0 5		26.55
2017	18.12	25%	18.11	15.58	436			-		1.00%
2016	16.15	40%	15.95	14.33	420		EXCESS ANNUA	ALIZED RETURN %	ramovernatio	1.0070
2015 2014	-3.24 7.56	53% 65%	-3.35 7.50	-4.42 8.52	439 437		anguard Extended id Blend Average	Market Index Inst		
2014	7.56 38.42	20%	7.50 38.24	8.52 34.50	437	■ M	la Biella Average		TOP HOLDINGS	
2013	38.42	20%	38.24	34.50	439		Performar	nce vs Risk 5 Yr		0.92%
						15-				0.56%
						%				0.53%
						PETURN,			' '	0.49%
47	Rolling 3 Yr Annualized Exce	ess Return (Jun	-12 - Mar-18)			Ę ₁₀			Twitter Inc	0.42%
% z 2-									Style Exposure 5 Yr	
URN -						ΙŽ			La Value La Growth	
Z 2-						ANNUALIZED -9			Lg Value Lg Growth	
Q -2-						NA -			9 44	
Z -4-									Large	
4 -4 -						TOTAL			- I a B B B B B B B B B B B B B B B B B B	
₹ -6-							0 5	10 15	. Es	
EXCESS ANNUALIZED -568888910101010101010-							TOTAL ANNUA	ALIZED STD DEV, %	-1-	
Jun-12 Dec-12 Jun-13	Dec-13 Jun-14 Dec-14 .	Jun-15 Dec-15	Jun-16 Dec-16	Jun-17	Mar-18	4	Mid Blend Average Vanguard Extend S&P Completion	ded Market Index Inst	-1 0 1 Value - Growth	

GOLDMAN SACHS GROWTH OPPORTUNITIES R6

Period Ending 3.31.18 | Q1 18



may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data quoted herein, the most recent month-end, please call (800) 216-0645. Index averages are derived from Morningstar. The opinions expressed in this report are subject to change without notice. This material is not a solicitation or an offer to buy any security or to participate in any investment strategy and is not guaranteed as to accuracy. Any such solicitation must be made by prospectus only. To obtain a prospectus, please call your Financial Advisor at (800) 216-0645. CAPTRUST Financial Advisors.

MFS INTERNATIONAL VALUE R6

Period Ending 3.31.18 | Q1 18

	MFS International Value R6	Peer Group Rank	MSCI EAFE Value NR USD	Foreign Large Val	# of Funds	Last Qtr.	1.33	INVESTMENT PROFILE Ticker	XLNIM
KEY MEASURES / 5 YEAR	10.07	201	10.77		252	ı	0.58	CUSIP	552746349
Standard Deviation	10.07	6%	12.77	11.80	258		1.33	Net Assets \$MM	\$29,865.00
Sharpe Ratio	1.07	1%	0.43	0.45	258	YTD	_	Manager Names	Team Managed
Alpha	7.24	1%	0.00	0.50	258		0.58	Manager Tenure	9.4 Years
Beta	0.64	99%	1.00	0.87	258		5.57	Prospectus Exp Ratio	0.66%
R-Squared	66.68	98%	100.00	88.62	258	1 year		Cat Median Exp Ratio	1.21%
Up Mkt Capture	81.11	75%	100.00	87.03	258		0.68	Current 12b-1	N/A
Down Mkt Capture Information Ratio	45.45 0.67	1% 5%	100.00	85.97 0.00	258 258		5.40	Annlzd Ret Since Incept	7.17%
	0.67	5%	NA	0.00	258	3 years	5.40	Inception Date	05/01/2006
TRAILING RETURNS	0.50	050/	2.07	1.45	200		0.56	Phone Number	800-225-2606
Last Qtr.	-0.69	25%	-2.03	-1.45	299			Sub Advisor	N/A
YTD	-0.69	25%	-2.03	-1.45	299 299	5 years	5.30		
1 Year	17.76	5%	12.19	12.88		-,	-0.22		
3 Years	9.70	4%	4.29	4.85	286			HOLDINGS OVERVIEW	
5 Years 10 Years	11.08 7.40	1% 1%	5.78 1.97	5.56 2.10	258 200	10 years	5.43	Total Number of Holding	s 108
	7.40	1%	1.97	2.10	200	lo years	0.13	% Assets in Top 10 Holdin	
CALENDAR RETURNS	27.25	100/	21.44	22.75	705		-5 O 5 10	Avg Mkt Cap \$MM	\$25,379.56
2017 2016	27.25 4.31	12% 29%	21.44 5.02	22.75 3.10	305 332			Turnover Ratio	7.00%
2016	6.85	29% 1%	-5.68	-3.24	352 355		EXCESS ANNUALIZED RETURN %	ramovernatio	7.0070
2015	1.61	1%	-5.68 -5.39	-3.24 -6.27	348		FS International Value R6 preign Large Val Average		
2014	27.80	2%	-3.39 22.95	20.76	341		oreign Large var Average	TOP HOLDINGS	
2013	27.80	276	22.95	20.76	341		Performance vs Risk 5 Yr	Nestle SA	3.87%
						15-		Taiwan Semiconductor N	
						%		Pernod Ricard SA	2.39%
						ZZ	A	Givaudan SA	2.39%
10	Rolling 3 Yr Annualized Ex	ess Return (Ju	in-12 - Mar-18)			RETURN,		Danone SA	2.37%
% 7 8-						8 1		Style Exposure	5 Yr
ž 6						Ē	_	MSCI Eur MSCI	Dan av Jan
-7	✓					ANNUALIZED		1	Pac ex. Jpn
N 2-						TOTAL			
N O						ნ ბ		0	
Z ₹ -2-						_	0 5 10 15	·	
SS -4-							TOTAL ANNUALIZED STD DEV, %		
EX e								-1- Emg Mkt Free Ms	SCI Japan
Jun-12 Dec-12 Jun-13	Dec-13 Jun-14 Dec-14	Jun-15 Dec-1	5 Jun-16 Dec-	-16 Jun-17	Mar-18		Foreign Large Val Average MFS International Value R6		
	formance data arreted represen				o voculto. Th		MSCI EAFE Value NR USD	-1 0	1

VANGUARD TOTAL INTL STOCK INDEX INST

Period Ending 3.31.18 | Q1 18

KEY MEASURES / 5 YEAR	Vanguard Total Intl Stock Index Inst	Peer Group Rank	FTSE Global All Cap ex US (USA) NR USD	Foreign Large Blend	# of Funds	Last Qtr.		0.69	INVESTMENT PROFILE Ticker	VTSN
Standard Deviation	11.55	58%	11.74	11.49	632	_		0.34	CUSIP	921909784
Sharpe Ratio	0.53	48%	0.52	0.52	632			0.69	Net Assets \$MM	\$341,618.00
Alpha	0.15	54%	0.00	0.28	632	YTD		0.74	Manager Names	Team Managed
Beta	0.97	21%	1.00	0.92	632			0.34	Manager Tenure	9.7 Year
R-Squared	98.13	1%	100.00	89.04	632			0.35	Prospectus Exp Ratio	0.09%
Up Mkt Capture	98.28	17%	100.00	92.99	632	1 year	120		Cat Median Exp Ratio	1.15%
Down Mkt Capture	97.87	75%	100.00	92.27	632		-1.28		Current 12b-1	N/A
Information Ratio	0.00	47%	NA	-0.05	632			0.17	Annizd Ret Since Incep	
TRAILING RETURNS						3 years		ł	Inception Date	11/29/2010
Last Qtr.	-0.45	32%	-1.14	-0.80	764		-1.13		Phone Number	800-662-7447
YTD	-0.45	32%	-1.14	-0.80	764		-0.01		Sub Advisor	N/A
1 Year	17.08	29%	16.73	15.45	750	5 years				
3 Years	6.95	15%	6.78	5.66	662		-0.19			
5 Years	6.43	47%	6.43	6.24	632		-0.38		HOLDINGS OVERVIEW	
10 Years	2.85	42%	3.23	2.71	497	10 years			Total Number of Holding	gs 6229
CALENDAR RETURNS						l	-0.52		% Assets in Top 10 Hold	ings 7.54%
2017	27.55	24%	27.41	25.35	753	-	-5	0 5	Avg Mkt Cap \$MM	\$23,870.04
2016	4.70	12%	4.72	1.00	768		EXCESS ANNUAL	LIZED RETURN %	Turnover Ratio	3.00%
2015	-4.24	80%	-4.29	-1.57	745	■V:	anguard Total Intl S	tock Index Inst		
2014	-4.15	31%	-3.39	-4.98	756		oreign Large Blend		TOP HOLDINGS	
2013	15.15	83%	15.59	19.51	778		Performano	e vs Risk 5 Yr	Tencent Holdings Ltd Nestle SA	1.149 0.969
						10-			Samsung Electronics Co	
						ž			HSBC Holdings PLC	0.77%
B	tolling 3 Yr Annualized E	xcess Return	(Jun-12 - Mar-18)			Ę.			Taiwan Semiconductor	
٦	oning of it Annautzeu E.	ACCOS INCIGITI	(Sun iz Plai 10)			E				
δ 5- Ž 4-						G Z E		$\overline{}$	Style Exposure	e 5 Yr
EXCESS ANNUALIZED RETURN. %		- /-				rotal annualized return, % ្មុំ ំុ			1- MSCI Eur MSC	Cl Pac ex. Jpn
INDALIZ 1-						TOTAL			0	
Z -2-						_	0 5	10 15		
SS -3-							TOTAL ANNUA	LIZED STD DEV, %		_
3	Dec-13 Jun-14 Dec-14	Jun-15 De	ec-15 Jun-16 Dec-1	6 Jun-17	Mar-18		Foreign Large Ble			1SCI Japan

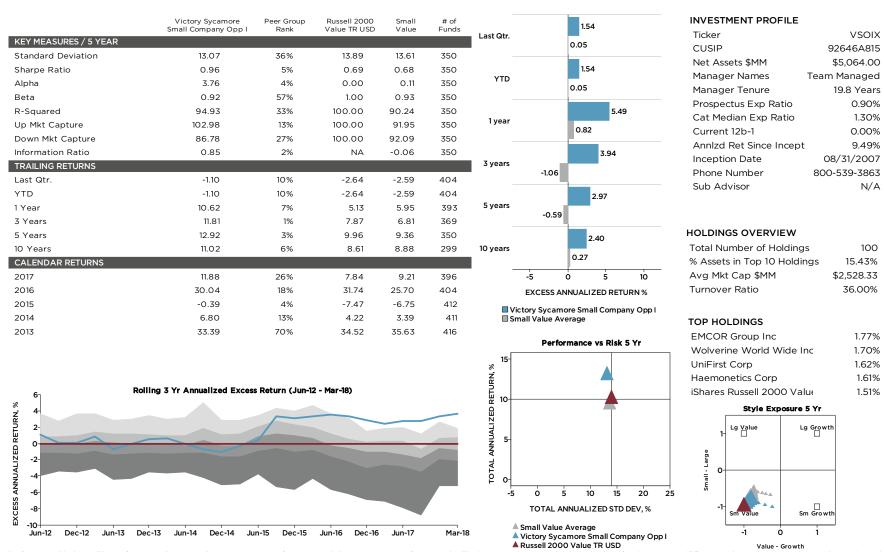
OPPENHEIMER INTL GROWTH I

Period Ending 3.31.18 | Q1 18

	Oppenheimer Intl Growth I	Peer Group Rank	MSCI ACWI Ex USA NR USD	Foreign Large Gr	# of Funds		1.37	INVESTMENT PROFILE
KEY MEASURES / 5 YEAR						Last Qtr.	1.58	Ticker OIGIX CUSIP 68380L605
Standard Deviation	11.72	66%	11.88	11.64	360			Net Assets \$MM \$28,056.00
Sharpe Ratio	0.60	50%	0.47	0.63	360		1.37	Manager Names Team Managed
Alpha	2.07	48%	0.00	2.32	360	YTD	1.58	Manager Tenure 22.0 Years
Beta	0.90	39%	1.00	0.90	360			Prospectus Exp Ratio 0.69%
R-Squared	84.05	58%	100.00	83.92	360		1.69	Cat Median Exp Ratio 0.09%
Up Mkt Capture	95.58	47%	100.00	95.56	360	1 year	4.47	Current 12b-1 N/A
Down Mkt Capture	84.67	52%	100.00	83.20	360			Annizd Ret Since Incept 8.68%
Information Ratio	0.30	48%	NA	0.33	360		1.35	Inception Date 03/29/2012
TRAILING RETURNS						3 years	1.32	Phone Number 800-225-5677
Last Qtr.	0.18	47%	-1.18	0.40	421		1.32	Sub Advisor OppenheimerFunds
YTD	0.18	47%	-1.18	0.40	421		1.54	Inc
1 Year	18.22	68%	16.53	21.00	417	5 years	1.75	
3 Years	7.53	44%	6.18	7.51	377		1.75	
5 Years	7.42	47%	5.89	7.64	360		2.91	HOLDINGS OVERVIEW
10 Years	5.61	10%	2.70	3.91	308	10 years	101	Total Number of Holdings 93
CALENDAR RETURNS							1.21	% Assets in Top 10 Holdings 18.03%
2017	27.15	82%	27.19	31.65	422		0 5	Avg Mkt Cap \$MM \$21,771.04
2016	-1.88	50%	4.50	-2.16	426		EXCESS ANNUALIZED RETURN %	Turnover Ratio 22.00%
2015	3.63	18%	-5.66	0.89	426	■ Opp	enheimer Intl Growth I	
2014	-6.80	83%	-3.87	-3.86	421		ign Large Gr Average	TOP HOLDINGS
2013	25.71	13%	15.29	19.97	422		Performance vs Risk 5 Yr	Infineon Technologies AG 2.49% SAP SE 1.91%
						10- %		Nippon Telegraph & Telep 1.83%
							<u>_</u>	Keyence Corp 1.80%
10 7	Rolling 3 Yr Annualized I	xcess Return (.	Jun-12 - Mar-18)			RETURN,		Continental AG 1.79%
						- R		Style Exposure 5 Yr
EXCESS ANNUALIZED RETURN, 8						TOTAL ANNUALIZED	0 5 10 15 TOTAL ANNUALIZED STD DEV, % oreign Large Gr Average	MSCI Eur MSCI Pac ex. Jpn 1- -1- Emg Mkt Free MSCI Japan
Jun-12 Dec-12 Jun-13	Dec-13 Jun-14 Dec-14				Mar-18	▲ 0	Oppenheimer Intl Growth I ISCI ACWI Ex USA NR USD	-1 0 1

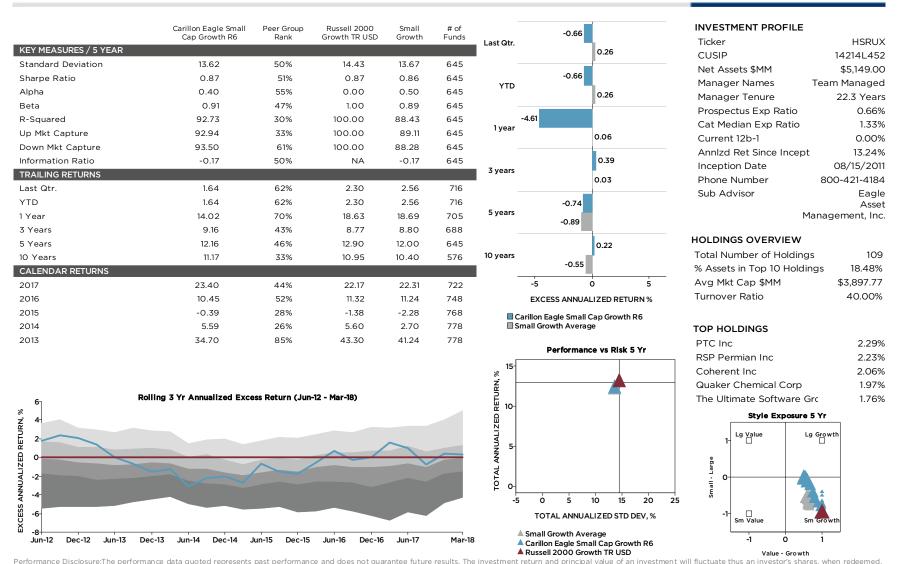
VICTORY SYCAMORE SMALL COMPANY OPP I

Period Ending 3.31.18 | Q1 18



CARILLON EAGLE SMALL CAP GROWTH R6

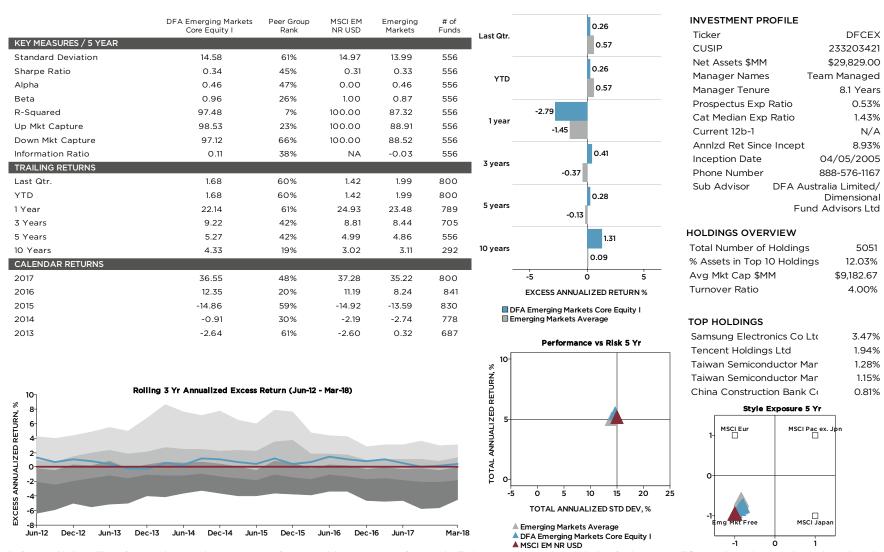
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may be worth more or less than their original cost. Current performance may be lower or higher than return data quoted herein. For performance data current to the most recent month-end, please call (800) 216-0645. Index averages are derived from Morningstar. The opinions expressed in this report are subject to change without notice. This material is not a solicitation or an offer to buy any security or to participate in any investment strategy and is not guaranteed as to accuracy. Any such solicitation must be made by prospectus only. To obtain a prospectus, please call your Financial Advisor at (800) 216-0645. CAPTRUST Financial Advisors.

DFA EMERGING MARKETS CORE EQUITY I

Period Ending 3.31.18 | Q1 18



TIAA REAL ESTATE ACCOUNT

Period Ending 3.31.18 | Q1 18

	TIAA Real Estate	Peer Group	Russell 2000	Morningstar	# of		-1.35	INVESTMENT PROFILE
LIEVALEA GLIDEG / E VIEA D	Account	Rank	Growth Index	Sp-Real Estate	Funds	Last Qtr.		ID VAUSA059TL
KEY MEASURES / 5 YEAR	1.40	10/	14.47	17.50	222	١	-9.23	Cusip 878094200
Standard Deviation	1.42	1%	14.43	13.52	220		-1.35	Net Assets \$ \$24,868,008,642.00
Sharpe Ratio	5.17	1%	0.87	0.40	220	YTD		Manager Name Team Managed
Alpha	7.10	1%	0.00	1.38	220		-9.23	Manager Start Date 2016-05-01
Beta	0.02	100%	1.00	0.31	220		-14.44	Expense Ratio 0.83%
R-Squared	3.79	100%	100.00	11.61	220	1 year		Cat Median Exp Ratio 1.25%
Up Mkt Capture	16.96	100%	100.00	29.65	220		-21.05	Annlzd Ret Since Incept 6.33%
Down Mkt Capture	-17.91	1%	100.00	23.18	220		-3.56	Inception Date 10-02-1995
Information Ratio	-0.32	11%	NA	-0.40	220	3 years		Share Class Incep Date 10/02/1995
TRAILING RETURNS							-7.86	Phone Number 877-518-9161
Last Qtr.	0.95	1%	2.30	-6.93	255		5.01	Sub Advisor N/A
YTD	0.95	1%	2.30	-6.93	255	5 years	-5.21	
1 Year	4.19	3%	18.63	-2.42	246	•	-7.29	HOLDINGS OVERVIEW
3 Years	5.20	2%	8.77	0.91	236		2.42	% Assets in Top 10 Holdings 22.00%
5 Years	7.69	6%	12.90	5.60	220	10 years	-8.43	Avg Mkt Cap \$MM \$12,703.40
10 Years	2.52	100%	10.95	5.93	196		-5.02	Turnover Ratio 2.70%
CALENDAR RETURNS							-25 -20 -15 -10 -5 O	
2017	4.37	64%	22.17	5.74	248		EXCESS ANNUALIZED RETURN %	TOR HOLDINGS
2016	5.20	72%	11.32	6.63	268		EXCESS ANNOALIZED RETURN %	TOP HOLDINGS
2015	8.16	1%	-1.38	2.46	272		TIAA Real Estate Account	Fashion Show 3.11%
2014	12.22	99%	5.60	28.39	271		Morningstar Sp-Real Estate Average	1001 Pennsylvania Avenue 2.89%
2013	9.65	2%	43.30	1.69	265			The Florida Mall 2.79%
						_	Performance vs Risk 5 Yr	Ddr Joint Venture 2.34%
						15-		Fourth And Madison 1.95%
						ž		
, Ro	olling 3 Yr Annualized E	xcess Return (Jun-12 - Mar-18)			RETURN, %		
157	•							
Z 10-						ANNUALIZED		Style Exposure 5 Yr
i.						Ϋ́	_	Lg Value
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Z EL						₹		
JALI ALI						TOTAL Q		
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A S						-5	0 5 10 15 20 2	25
EXCESS ANNUALIZED RETURN, %					•		TOTAL ANNUALIZED STD DEV, %	-1- Sm Value Sm Growth
-131		1		1 1			Morningstar Sp-Real Estate Average	
Jun-12 Dec-12 Jun-13 D	ec-13 Jun-14 Dec-14	Jun-15 De	c-15 Jun-16 [Dec-16 Jun-17	Mar-18		TIAA Real Estate Account	-1 0 1
Dayfa yman ag Diaglagyya/Tha y ayfayna				-t		. :	Russell 2000 Growth Index	Value - Growth

APPENDIX

Period Ending 3.31.18 | Q1 18

University of Maine System

APPENDIX
Volum CADTDI ICT Comition Team
Your CAPTRUST Service Team
Glossary of Terms
Evaluation Methodology

YOUR CAPTRUST SERVICE TEAM MEMBERS

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University of Maine System

TEAM MEMBERS	RESPONSIBILITIES					
Michael S. Pratico Senior Vice President Financial Advisor Michael.Pratico@CAPTRUSTAdvisors.com	Account Role: Lead Consultant Our Lead Consultants serve as the primary relationship manager for the fiduciaries of corporate retirement plans. They oversee and ensure quality delivery of comprehensive investment advisory services. They are available to assist with any aspect of clients' accounts, or put them in contact with the appropriate resources here at CAPTRUST.					
Barron V. Schmitt Senior Vice President Financial Advisor barry.schmitt@CapTrustAdvisors.com	Account Role: Consultant Our Consultants have responsibility for client project management, client meetings, report preparation, and presentation. Projects involve the establishment of investment policies and objectives, asset allocation modeling, investment manager analyses and searches, fee analysis, performance evaluation, and other specialized projects. In addition, they will provide comprehensive written investment option and plan reviews, as well as monitor overall results and service delivery to ensure complete satisfaction.					
Scott T. Matheson, CFA, CPA Senior Director Defined Contribution Practice Leader Scott.Matheson@CAPTRUSTAdvisors.com	Account Role: Research Analyst Our Investment Analysts conduct investment manager research, asset allocation studies, portfolio monitoring and performance measurement. Some of their specific duties include: evaluating fund lineups and investment options, reporting due diligence findings to clients, and researching the various universes for viable investment options. Our team monitors and evaluates mutual funds, separate account managers and alternative investments for use with current and prospective clients.					
Che-Che S. McCrimmon Senior Client Management Consultant Che-Che.McCrimmon@captrustadvisors.com	Account Role: Client Management Consultant The Client Management Consultants are focused on overall client management from initial conversion of new plans to CAPTRUST throughout their 'life' at CAPTRUST. As the primary contact for day-to-day client service needs, the main goal of the Client Management Consultant is to deliver exceptional proactive client service. On a daily basis, the Client Management Consultants are available to assist employees with questions related to plan enrollment and education, available investment options, and other areas.					

GLOSSARY

Period Ending 3.31.18 | Q1 18

ALPHA

Alpha measures a manager's rate of return in excess of that which can be explained by its systematic risk, or Beta. It is a result of regressing a manager's returns against those of a benchmark index. A positive alpha implies that a manager has added value relative to its benchmark on a risk-adjusted basis.

BATTING AVERAGE

Batting Average, an indicator of consistency, measures the percentage of time an active manager outperformed the benchmark.

BETA

Beta measures a manager's sensitivity to systematic, or market risk. Beta is a result of the analysis regressing a manager's returns against those of a benchmark Index. A manager with a Beta of 1 should move perfectly with a benchmark. A Beta of less than 1 implies that a manager's returns are less volatile than the market's (i.e., selected benchmarks). A Beta of greater than 1 implies that a manager exhibits greater volatility than the market (i.e., selected benchmark).

CAPTURE RATIO

Up Market Capture is the average return of a manager relative to a benchmark index using only periods where the benchmark return was positive. Down Market Capture is the average return of a manager relative to a benchmark index using only periods where the benchmark return was negative. An Up Market Capture of greater than 100% and a Down Market Capture of less than 100% is considered desirable.

INFORMATION RATIO

The Information Ratio measures a manager's excess return over the passive index divided by the volatility of that excess return, or Tracking Error. To obtain a higher Information Ratio, which is preferable, a manager must demonstrate the ability to generate returns above its benchmark while avoiding large performance swings relative to that same benchmark.

PERCENTILE RANK

Percentile Rankings are based on a manager's performance relative to all other available funds in its universe. Percentiles range from 1, being the best, to 100 being the worst. A ranking in the 50th percentile or above demonstrates that the manager has performed better on a relative basis than at least 50% of its peers.

RISK-ADJUSTED PERFORMANCE

Risk-adjusted Performance, or RAP, measures the level of return that an investment option would generate given a level of risk equivalent to the benchmark index.

R-SQUARED

R-squared measures the portion of a manager's movements that are explained by movements in a benchmark index. R-squared values range from 0 to 100. An R-squared of 100 means that all movements of a manager are completely explained by movements in the index. This measurement is identified as the coefficient of determination from a regression equation. A high R-squared value supports the validity of the Alpha and Beta measures, and it can be used as a measure of style consistency.

SHARPE RATIO

Sharpe ratio measures a manager's return per unit of risk, or standard deviation. It is the ratio of a manager's excess return above the risk-free rate divided by a manager's standard deviation. A higher sharpe ratio implies greater manager efficiency.

STANDARD DEVIATION

Standard Deviation is a measure of the extent to which observations in a series vary from the arithmetic mean of the series. This measure of volatility or risk allows the estimation of a range of values for a manager's returns. The wider the range, the more uncertainty, and, therefore, the riskier a manager is assumed to be.

TRACKING ERROR

Tracking Error is the standard deviation of the portfolio's residual (i.e. excess) returns. The lower the tracking error, the closer the portfolio returns have been to its risk index. Aggressively managed portfolios would be expected to have higher tracking errors than portfolios with a more conservative investment style.

TREYNOR RATIO

The Treynor Ratio is a measure of reward per unit of risk. With Treynor, the numerator (i.e. reward) is defined as the annualized excess return of the portfolio versus the risk-free rate. The denominator (i.e. risk) is defined as the portfolio beta. The result is a measure of excess return per unit of portfolio systematic risk. As with Sharpe and Sortino, the Treynor Ratio only has value when it is used as the basis of comparison between portfolios. The higher the Treynor Ratio, the better.

INVESTMENT REVIEW | EVALUATION METHODOLOGY

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MARKED FOR REVIEW

The following categories of the Investment Policy Monitor appear "Marked For Review" when:

CAPTRUST's Investment Policy Monitoring Methodology

The Investment Policy Monitoring Methodology document describes the systems and procedures CAPTRUST uses to monitor and evaluate the investment vehicles in your plan/account on a quarterly basis.

Our current Investment Policy Monitoring Methodology document can be accessed through the following link:

captrustadvisors.com/investmentmonitoring

QUANTITATIVE EVALUATION ITEMS

3/5 Year Risk- adjusted Performance

The investment option's 3 or 5 Year Annualized Risk Adjusted Performance falls below the 50th percentile of the peer group.

3/5 Year Performance vs. Peers

The investment option's 3 or 5 Year Annualized Peer Relative Performance falls below the 50th percentile of the peer group.

3/5 Year Style

The investment option's 3 or 5 Year R-Squared measure falls below the absolute threshold set per asset class.

3/5 Year Confidence

The investment option's 3 or 5 Year Confidence Rating falls below the 50th percentile of the peer group.

Glidepath Assessment

% of Equity Exposure: The combined percentage of an investment option's equity exposure ranks in the top 20th percentile or bottom 20th percentile of the peer group.

Regression to the Benchmark: The investment option's sensitivity to market risk - as measured by beta relative to a Global Equity Index - is above 0.89.

Fund Management

QUALITATIVE EVALUATION ITEMS

A significant disruption to the investment option's management team has been discovered.

Fund Family

A significant disruption to the investment option's parent company has been discovered.

Portfolio Construction

The investment option's combined Portfolio Construction score is 6 or below out of a possible 15 points.

Underlying Investment Vehicles

The investment option's combined Underlying Investment Vehicles score is 6 or below out of a possible 15 points.