

Please Save the Date

FIA 2020 Client Conference

Friday, June 12, 2020

Gurney's Newport Resort & Marina

1 Goat Island, Newport, RI www.gurneysresorts.com/newport

- For overnight accommodations, please call (833) 235-7500 and mention the FIA Client Conference for a discounted rate of \$299 (available until May 14, 2020)
- Pre-conference New England clambake or sunset sail excursion on Thursday, June 11
- Conference attendees and their guests will also receive 20% off services at Seawater, Gurney's onsite spa
- Transportation to downtown Newport provided via complimentary shuttle





Important Disclosure Information: Past performance may not be indicative of future results. Account information has been compiled solely by Fiduciary Investment Advisors, LLC, has not been independently verified, and does not reflect the impact of taxes on non-qualified accounts. In preparing this report, Fiduciary Investment Advisors, LLC has relied upon information provided by third party sources. A copy of our current written disclosure statement discussing our advisory services and fees continues to remain available for your review upon request. Historical performance results for investment indices and/or categories have been provided for general comparison purposes only, and generally do not reflect the deduction of transaction and/or custodial charges, the deduction of an investment management fee, nor the impact of taxes, the incurrence of which would have the effect of decreasing historical performance results. It should not be assumed that your account holdings correspond directly to any comparative indices.

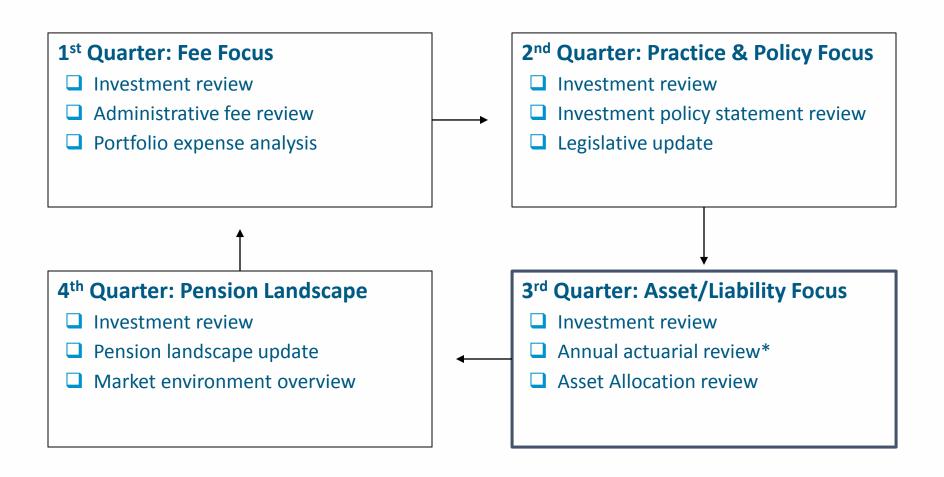
Table of Contents



Section 1	Fiduciary Governance Calendar
Section 2	Capital Markets Overview
Section 3	Portfolio and Manager Review

Defined Benefit Fiduciary Governance Calendar





^{*} Timing of actuarial and liability review dependent on client's individual plan and /or fiscal year and actuarial input.

Actuarial Review Watertown Retirement System



Sherman Actuarial	Services Actuarial Valuation Rep	ort, January 1, 2018
	Most Recent Date As of 1/1/2018	Previous Year Date As of 1/1/2017
Actuarial Value of Assets	\$181,766,705	\$161,808,944
Total Accrued Liability	\$206,008,967	\$197,794,001
Funded Ratio	88.2%	81.8%
Actuarial Return Assumption	7.9%	7.9%

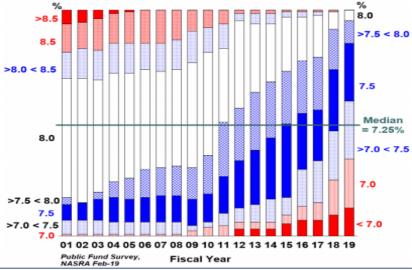
Source: Sherman Actuarial Services, 2018 Valuation Report

Public Plans – Investment Return Assumptions



Public pension plan investment return assumptions trend lower

- Directionally, investment return assumptions for public plans have trended lower over the last few years influenced by changes in economic and financial conditions.
- Plans have taken a **measured approach** to adopting lower investment return assumptions by working closely with the plan actuary to analyze the potential cost impact in conjunction with other actuarial assumptions.
- It's important to note that investment earnings account for a majority of public pension financing. An investment return that is **set too low** can overstate liabilities and costs at the expense of current taxpayers, while an investment rate **set too high** will understate liabilities at the expense of future taxpayers.



• A plan's actuary and its investment advisor can assist in establishing a **prudent investment policy** by predicting the cost of future benefits and working collaboratively with the plan sponsor to determine an asset allocation which, when combined with **adequate contributions**, can generate sufficient growth to meet pension obligations.

Asset Allocation Analysis



- Asset allocation is the primary determinant of long-term investment results.¹
- Asset allocation should be reviewed periodically to confirm that the risk and return expectations of the investment portfolio
 remain in-line with the long-term goals and strategy of the plan.
- FIA utilizes mean-variance optimization, which is augmented by Monte Carlo simulation, as the basis for asset allocation
 analysis. These exercises are conducted via a software package called Stylus.
- The analysis relies heavily on data input. FIA develops risk and return assumptions for each major asset class on an annual basis. The annual process is as follows:
 - ✓ The FIA Investment Committee discusses the current economic landscape, reviews the previous year's assumptions, and compares FIA's current thinking with that of other industry thought leaders
 - ✓ FIA gathers survey data of the risk/return assumptions from over 20 investment firms
 - Standing assumptions are either verified or updated
 - ✓ Assumptions are developed for both a full market cycle outlook (7-10 year) and a long-term outlook (20 year)
- Correlations (how asset classes behave in reference to one another) also significantly impact asset allocation analysis.
 - Correlation information is historical in nature (rather than forward-looking)
- The industry trend has been to lower actuarial investment return assumptions based on lower capital market expectations. Given the current market environment, full market cycle (7-10 year) return assumptions are lower than long term (20 year) assumptions.

¹ Brinson, G.P., Singer, B.D. and Beebower, G.I., "Determinants of Portfolio Performance II: An Update", Financial Analysts Journal, May-June 1991.

Asset Allocation Analysis

FIA FIDUCIARY INVESTMENT ADVISORS Strategic thinking. Customized solutions.

FIA Asset Class Assumptions:

Asset Class	Watertown Retirement System Target Allocation (%)	Return Assumptions: Full Market Cycle 7-10 Year (%)	Return Assumptions: Full Market Cycle 20 Year (%)	Risk: Standard Deviation (%)
Cash	0.00	1.95	2.65	0.65
Short Duration	0.00	2.10	2.75	2.10
Core Fixed Income	19.00	3.05	3.85	5.30
Long Duration Fixed Income	0.00	3.50	4.35	10.50
High Yield Fixed Income	2.50	4.60	5.35	10.20
Global Fixed Income	4.00	3.60	4.05	7.90
U.S. Large Cap	23.00	6.20	7.15	16.50
U.S. Small Cap	7.50	6.65	7.55	20.15
International Developed	18.50	6.95	7.85	18.70
Emerging Markets	3.00	7.90	8.65	25.00
Commodities	0.00	4.15	4.75	17.45
REITs	1.50	6.00	6.35	17.25
Private Real Estate	8.50	5.80	6.50	14.00
Hedge Funds	7.50	5.25	6.00	8.40
Private Equity	5.00	9.00	10.00	22.50

- Risk/return assumptions are developed on an annual basis
- Risk/return assumptions are forward-looking in nature
- Return assumptions are nominal (not real)



Asset Allocation Study

Watertown Retirement System

October 2019

Capital Market Return Assumptions: 20-Year

Disclaimer: The information contained in this report has been taken from trade and statistical services and other sourced deemed reliable, although its accuracy cannot be guaranteed, and it should not be relied upon as such. The output derived from our existing capital market assumptions and any opinions expressed herein reflect our judgement at this point in time and are subject to change without notice. Past performance should not be considered representative of future results. There is no guarantee that a portfolio will meet its expected return objective and/or maintain a level of risk within the stated parameters of this analysis. Moreover, you should not assume that any discussion or information contained in this document serves as the receipt of, or as a substitute for, personalized investment advice from Fiduciary Investment Advisors. Fiduciary Investment Advisors is neither a law firm nor a certified public accounting firm and no portion of the content should be construed as legal or accounting advice. Please remember to contact Fiduciary Investment Advisors, in writing, if there are any changes in your financial situation or investment objectives for the purpose of reviewing, evaluating, or revising our previous recommendations and/or services.

Source: mPI Stylus.

DESCRIPTION OF THE ANALYTICS



ASSET ALLOCATION MODELING

- The allocation strategy adopted by a client will be its primary determinant of long-term investment results.
- The model utilizes mean-variance optimization, which is augmented by Monte Carlo simulation, as the basis for analyzing the desirability of various asset allocation strategies.
- The modeling effort provides a spectrum of portfolio outcomes, from least to most aggressive (typically defined by the degree of use of the higher return, higher volatility asset classes), for client consideration.
- The output provides the basis for clients to explicitly frame their existing and/or desired risk and return posture against other portfolio mixes.
- The effects, and potential benefits, of adding previously unused asset classes can be modeled and analyzed.
- The modeling permits the application of "real world" asset class constraints to ensure that pragmatic, actionable allocation strategies are generated.

CAPITAL MARKET ASSUMPTIONS

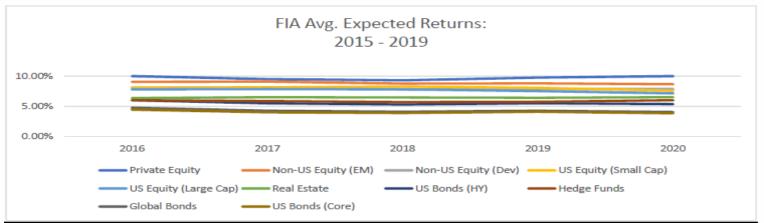
- The Investment Committee at FIA formally reviews the assumptions utilized as inputs for asset allocation studies on, at least, an annual basis.
- The Committee reviews and sets long-term return, risk, and correlation parameters for the major asset classes.
- While historical asset class outcomes serve as an important guide in setting assumptions, the Committee factors in existing capital market conditions to refine its expectations.
- · The Committee complements its own thinking with that of other thought leaders in the capital markets.
- The Committee operates under the basic premise that those asset classes with higher expected returns are generally anticipated to be more volatile as well. In addition, those asset classes possessing low correlations to existing portfolio holdings may be worthy additions to an investment strategy marked by their absence.

Source: mPI Stylus.

Asset Class Expected Returns Year by Year History: 2016 - 2020



Strategic thinking. Customized solutions.



	2016	2017	2018	2019	2020
Private Equity	10.00%	9.50%	9.30%	9.75%	10.00%
Non-US Equity (EM)	9.05%	9.10%	8.75%	8.80%	8.65%
Non-US Equity (Dev)	8.10%	8.05%	7.80%	7.85%	7.85%
US Equity (Small Cap)	8.10%	8.15%	8.25%	8.05%	7.55%
US Equity (Large Cap)	7.80%	7.85%	7.80%	7.50%	7.15%
Real Estate	6.35%	6.50%	6.45%	6.40%	6.50%
US Bonds (HY)	6.00%	5.50%	5.30%	5.50%	5.35%
Hedge Funds	6.00%	5.85%	5.70%	5.75%	6.00%
Global Bonds	4.75%	4.25%	4.10%	4.25%	4.05%
US Bonds (Core)	4.45%	4.00%	3.90%	4.10%	3.85%

Watertown Portfolio:

Private Equity	5.0%
Non-US Equity (EM)	3.0%
Non-US Equity (Dev)	18.5%
US Equity (Small Cap)	5.5%
US Equity (Large Cap)	25.0%
Real Estate	10.0%
US Bonds (HY)	2.5%
Hedge Funds	7.5%
Global Bonds	4.0%
US Bonds (Core)	19.0%

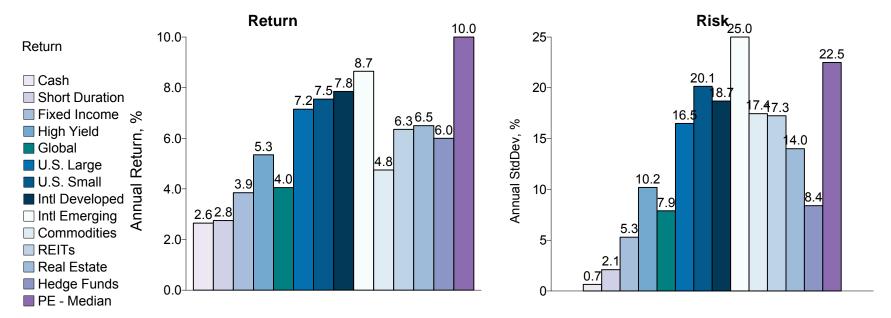
Watertown Portfolio Expected Return History:

			trono Emperieu	
2020	2019	2018	2017	2016
54%	6.68%	6.68%	6.80%	6.94%

CAPITAL MARKET ASSUMPTIONS



13



Asset Allocation Inputs, %

	Return, %	StdDev Rtn, %
Cash	2.65	0.65
Short Duration	2.75	2.10
Fixed Income	3.85	5.30
High Yield	5.35	10.20
Global	4.05	7.90
U.S. Large	7.15	16.50
U.S. Small	7.55	20.15
Intl Developed	7.85	18.70
Intl Emerging	8.65	25.00
Commodities	4.75	17.45
REITs	6.35	17.25
Real Estate	6.50	14.00
Hedge Funds	6.00	8.40
PE - Median	10.00	22.50

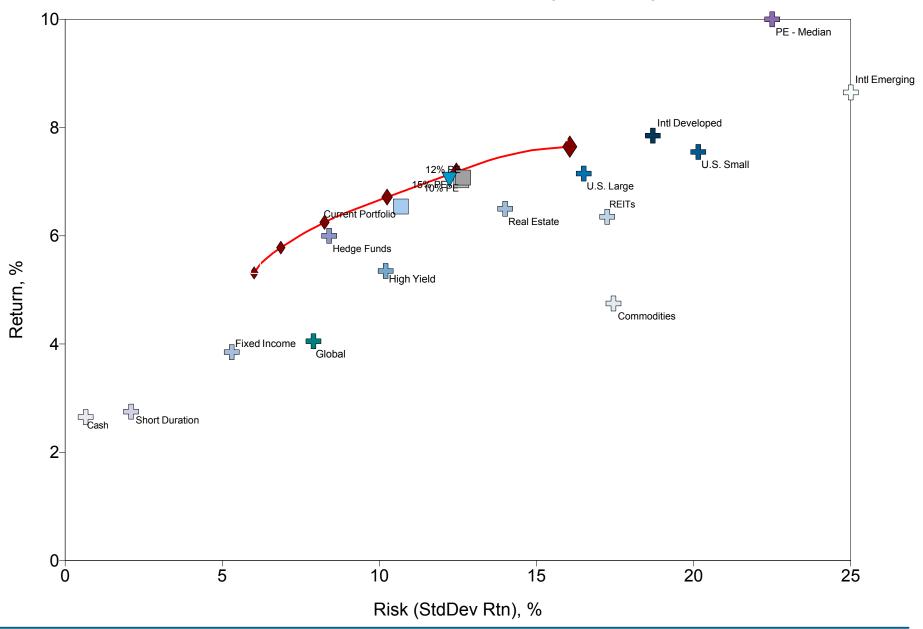
Source: mPI Stylus.

PORTFOLIO EFFICIENCY

Constrained



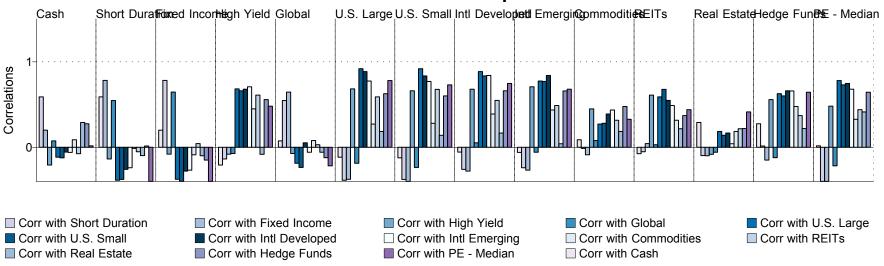
Efficient Frontier: Return vs. Risk (StdDev Rtn)



CORRELATIONS







Correlation Matrix

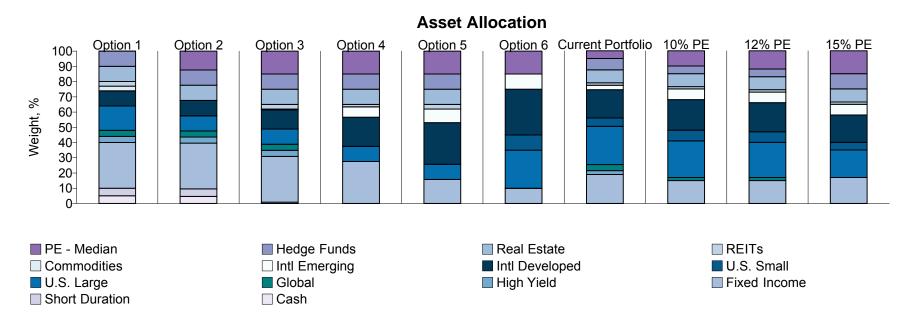
	Return,	StdDev	Corr			Corr with	Corr			Corr with	Corr with	Corr	Corr		Corr with	Corr with
	%	Rtn,	with	Short	Fixed	High	with	U.S.	U.S.	Intl	_ Intl	with	with	Real	Hedge	PE -
	70	%	Cash	Duration	Income	Yield	Global	Large	Small	Developed	Emergin@	ommoditie	REITs	Estate	Funds	Median
Cash	2.65	0.65	1.00	0.59	0.20	-0.21	0.07	-0.12	-0.12	-0.06	-0.06	0.09	-0.08	0.29	0.27	0.02
Short Duration	2.75	2.10	0.59	1.00	0.78	-0.14	0.55	-0.39	-0.38	-0.26	-0.24	-0.01	-0.05	-0.10	0.01	-0.42
Fixed Income	3.85	5.30	0.20	0.78	1.00	-0.08	0.64	-0.38	-0.40	-0.28	-0.27	-0.09	0.04	-0.10	-0.15	-0.41
High Yield	5.35	10.20	-0.21	-0.14	-0.08	1.00	-0.07	0.68	0.66	0.68	0.71	0.45	0.61	-0.08	0.56	0.48
Global	4.05	7.90	0.07	0.55	0.64	-0.07	1.00	-0.19	-0.24	0.05	-0.06	0.08	0.03	-0.06	-0.12	-0.22
U.S. Large	7.15	16.50	-0.12	-0.39	-0.38	0.68	-0.19	1.00	0.92	0.89	0.77	0.27	0.59	0.18	0.63	0.78
U.S. Small	7.55	20.15	-0.12	-0.38	-0.40	0.66	-0.24	0.92	1.00	0.83	0.77	0.28	0.68	0.14	0.60	0.73
Intl Developed	7.85	18.70	-0.06	-0.26	-0.28	0.68	0.05	0.89	0.83	1.00	0.84	0.39	0.55	0.17	0.66	0.75
Intl Emerging	8.65	25.00	-0.06	-0.24	-0.27	0.71	-0.06	0.77	0.77	0.84	1.00	0.43	0.49	0.04	0.66	0.68
Commodities	4.75	17.45	0.09	-0.01	-0.09	0.45	0.08	0.27	0.28	0.39	0.43	1.00	0.32	0.19	0.48	0.33
REITs	6.35	17.25	-0.08	-0.05	0.04	0.61	0.03	0.59	0.68	0.55	0.49	0.32	1.00	0.22	0.37	0.44
Real Estate	6.50	14.00	0.29	-0.10	-0.10	-0.08	-0.06	0.18	0.14	0.17	0.04	0.19	0.22	1.00	0.22	0.41
Hedge Funds	6.00	8.40	0.27	0.01	-0.15	0.56	-0.12	0.63	0.60	0.66	0.66	0.48	0.37	0.22	1.00	0.64
PE - Median	10.00	22.50	0.02	-0.42	-0.41	0.48	-0.22	0.78	0.73	0.75	0.68	0.33	0.44	0.41	0.64	1.00

Source: mPI Stylus.

ASSET ALLOCATION

Constrained





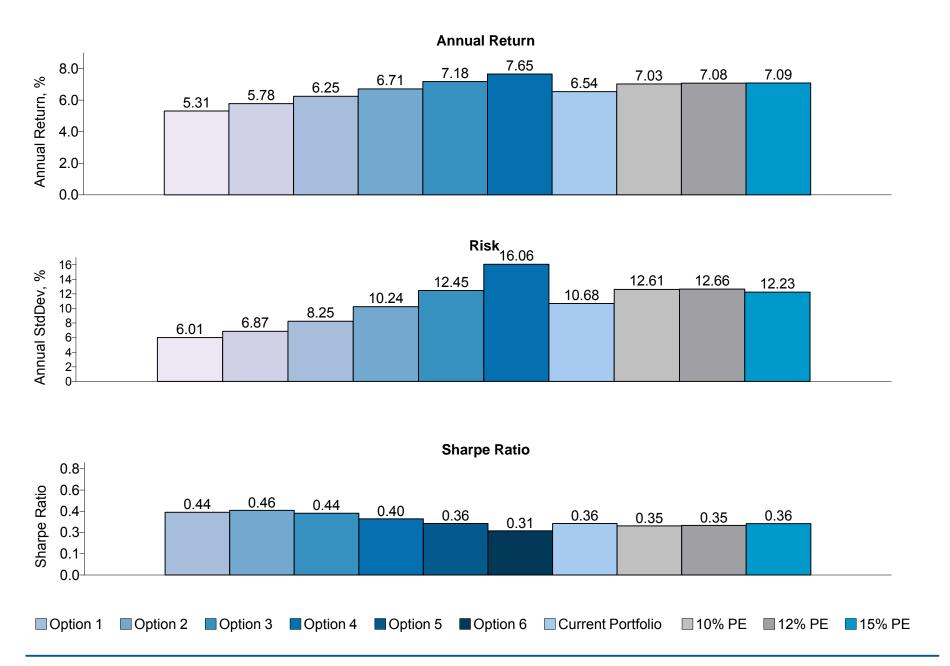
							Portfolio	Assets, %						
	Cash	Short Duration	Fixed Income	High Yield	Global	U.S. Large	U.S. Small	Intl Developed	Intl Emerging	ommoditie	REITs	Real Estate	Hedge Funds	PE - Median
Option 1	5.0	5.0	30.0	4.0	4.0	16.0	0.0	10.0	0.0	3.0	3.0	10.0	10.0	0.0
Option 2	4.6	5.0	30.0	4.0	4.0	10.0	0.0	10.0	0.0	0.0	0.0	10.0	10.0	12.4
Option 3	0.0	8.0	30.0	4.0	4.0	10.0	0.0	12.6	0.6	0.0	3.0	10.0	10.0	15.0
Option 4	0.0	0.0	27.5	0.0	0.0	10.0	0.0	19.1	6.8	0.0	1.5	10.0	10.0	15.0
Option 5	0.0	0.0	15.7	0.0	0.0	10.0	0.0	27.4	8.9	0.0	3.0	10.0	10.0	15.0
Option 6	0.0	0.0	10.0	0.0	0.0	25.0	10.0	30.0	10.0	0.0	0.0	0.0	0.0	15.0
Current Portfolio	0.0	0.0	19.0	2.5	4.0	25.0	5.5	18.5	3.0	0.0	1.5	8.5	7.5	5.0
10% PE	0.0	0.0	15.0	0.0	2.0	24.0	7.0	20.0	7.0	0.0	1.5	8.5	5.0	10.0
12% PE	0.0	0.0	15.0	0.0	2.0	23.0	7.0	19.0	7.0	0.0	1.5	8.5	5.0	12.0
15% PE	0.0	0.0	17.0	0.0	0.0	18.0	5.0	18.0	7.0	0.0	1.5	8.5	10.0	15.0

Source: mPI Stylus.

PORTFOLIO RISK & RETURN

Constrained



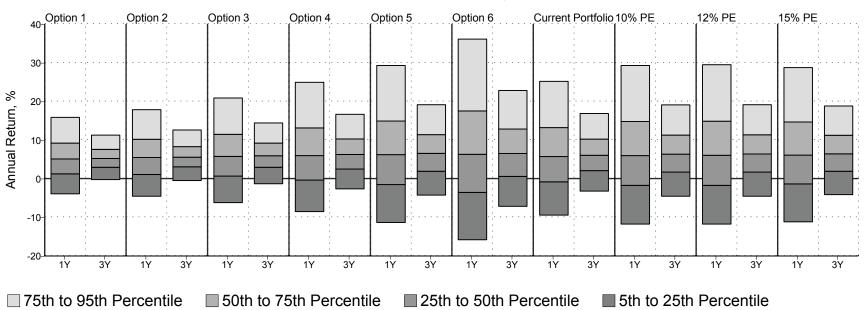


PORTFOLIO RETURN DISTRIBUTIONS 1YR/3YR

Constrained



Annual Return, %



Monte-Carlo Lognormal Simulations

Annual Return, %

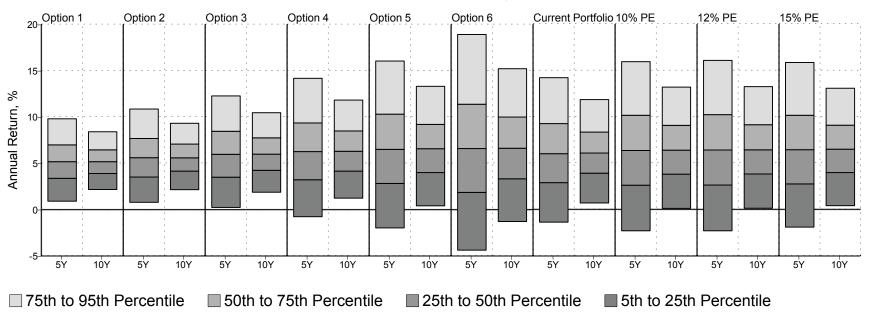
	Option 1		Option 1 Option 2		Option 3		Option 4		Option 5		Option 6		Current Portfolio		10% PE		12% PE		15% PE	
	1Y	3Y	1Y	3Y	1Y	3Y	1Y	3Y	1Y	3Y	1Y	3Y	1Y	3Y	1Y	3Y	1Y	3Y	1Y	3Y
5th Percentile	-4.1	-0.4	-4.7	-0.6	-6.3	-1.4	-8.6	-2.8	-11.5	-4.4	-16.0	-7.3	-9.6	-3.4	-11.9	-4.7	-11.9	-4.7	-11.3	-4.2
25th Percentile	1.1	2.8	1.0	2.9	0.5	2.8	-0.5	2.4	-1.6	1.8	-3.7	0.5	-1.0	1.9	-1.9	1.6	-1.8	1.6	-1.5	1.8
50th Percentile	5.0	5.1	5.3	5.5	5.7	5.8	5.9	6.1	6.1	6.4	6.2	6.4	5.6	5.9	5.9	6.2	5.9	6.3	6.0	6.3
75th Percentile	9.1	7.5	10.1	8.2	11.4	9.1	13.0	10.2	14.8	11.3	17.4	12.8	13.1	10.1	14.7	11.2	14.8	11.2	14.6	11.1
95th Percentile	15.8	11.2	17.8	12.5	20.8	14.3	24.8	16.5	29.2	19.0	36.0	22.7	25.1	16.8	29.2	19.0	29.4	19.0	28.6	18.7

PORTFOLIO RETURN DISTRIBUTIONS 5YR/10YR





Annual Return, %



Monte-Carlo Lognormal Simulations

Annual Return, %

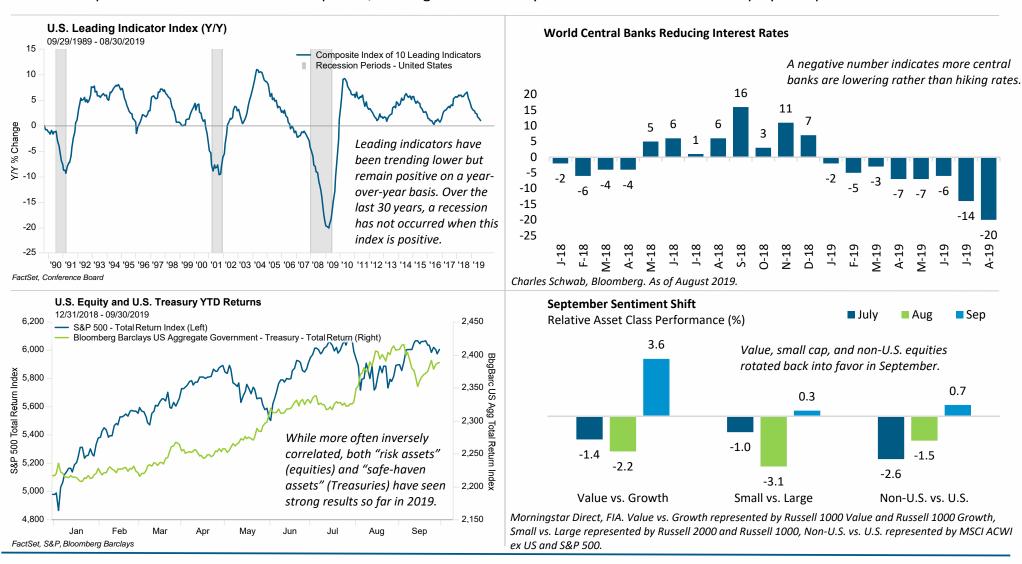
	Option 1		Option 2		Option 3		Option 4		Option 5		Option 6		Current Portfolio		10% PE		12% PE		15% PE	
	5Y	10Y	5Y	10Y	5Y	10Y	5Y	10Y	5Y	10Y	5Y	10Y	5Y	10Y	5Y	10Y	5Y	10Y	5Y	10Y
5th Percentile	0.9	2.1	0.7	2.1	0.2	1.8	-0.8	1.2	-2.0	0.4	-4.4	-1.3	-1.4	0.7	-2.3	0.1	-2.3	0.1	-2.0	0.4
25th Percentile	3.3	3.9	3.5	4.1	3.4	4.2	3.2	4.1	2.8	4.0	1.8	3.3	2.9	3.9	2.6	3.8	2.6	3.8	2.7	3.9
50th Percentile	5.1	5.1	5.6	5.5	5.9	5.9	6.2	6.2	6.5	6.5	6.5	6.6	6.0	6.0	6.3	6.4	6.4	6.4	6.4	6.5
75th Percentile	6.9	6.4	7.6	7.0	8.4	7.7	9.3	8.4	10.3	9.2	11.3	10.0	9.2	8.3	10.1	9.0	10.2	9.1	10.1	9.1
95th Percentile	9.8	8.4	10.8	9.3	12.2	10.4	14.1	11.8	16.0	13.3	18.9	15.2	14.2	11.8	15.9	13.2	16.1	13.2	15.8	13.1

Economic & Market Conditions



Strategic thinking. Customized solutions.

- While resilient, a moderating global economy has served as the basis for a renewed round of central bank stimulus.
- Investors' attention continues to be drawn to U.S./China trade negotiations, Brexit, a mature earnings cycle, and negative yielding debt.
- Market performance was mixed in the quarter, although a noteworthy shift in sentiment was on display in September.



Index Results



Strategic thinking. Customized solutions.

U.S. EQUITY	QUARTER	YTD	1 YEAR	3 YEAR	5 YEAR	10 YEAR
S&P 500	1.7	20.6	4.3	13.4	10.8	13.2
Russell 1000	1.4	20.5	3.9	13.2	10.6	13.2
Russell 1000 Value	1.4	17.8	4.0	9.4	7.8	11.5
Russell 1000 Growth	1.5	23.3	3.7	16.9	13.4	14.9
Russell Mid Cap	0.5	21.9	3.2	10.7	9.1	13.1
Russell Mid Cap Value	1.2	19.5	1.6	7.8	7.6	12.3
Russell Mid Cap Growth	(0.7)	25.2	5.2	14.5	11.1	14.1
Russell 2000	(2.4)	14.2	(8.9)	8.2	8.2	11.2
Russell 2000 Value	(0.6)	12.8	(8.2)	6.5	7.2	10.1
Russell 2000 Growth	(4.2)	15.3	(9.6)	9.8	9.1	12.2
Russell 3000	1.2	20.1	2.9	12.8	10.4	13.1
FTSE NAREIT Equity REITs Index	7.8	27.0	18.4	7.4	10.3	13.0
INTERNATIONAL EQUITY	QUARTER	YTD	1 YEAR	3 YEAR	5 YEAR	10 YEAR
MSCI ACWI ex-US	(1.8)	11.6	(1.2)	6.3	2.9	4.5
MSCI EAFE	(1.1)	12.8	(1.3)	6.5	3.3	4.9
MSCI EAFE Value	(1.7)	7.7	(4.9)	5.1	1.0	3.2
MSCI EAFE Growth	(0.4)	17.9	2.2	7.8	5.5	6.5
MSCI EAFE Small Cap	(0.4)	12.1	(5.9)	5.9	6.0	7.5
MSCI EM (Emerging Markets)	(4.2)	5.9	(2.0)	6.0	2.3	3.4
FIXED INCOME	QUARTER	YTD	1 YEAR	3 YEAR	5 YEAR	10 YEAR
Barclays U.S. Aggregate Bond	2.3	8.5	10.3	2.9	3.4	3.7
Barclays U.S. Gov/Credit Bond	2.6	9.7	11.3	3.2	3.6	3.9
Barclays Gov/Credit Long Bond	6.6	20.9	21.9	5.6	6.8	7.4
Barclays U.S. Corp High Yield	1.3	11.4	6.4	6.1	5.4	7.9
Barclays Municipal Bond	1.6	6.7	8.6	3.2	3.7	4.2
Barclays U.S. TIPS	1.3	7.6	7.1	2.2	2.4	3.5
BofA Merrill 3-Month T-Bill	0.6	1.8	2.4	1.5	1.0	0.5
NON-TRADITIONAL	QUARTER	YTD	1 YEAR	3 YEAR	5 YEAR	10 YEAR
Bloomberg Commodity Index	(1.8)	3.1	(6.6)	(1.5)	(7.2)	(4.3)
HFRI Fund of Funds Index	(1.1)	5.0	(0.2)	3.1	1.9	2.7
NCREIF Property Index (6/30/2019)	1.5	3.3	6.5	6.9	8.8	9.2
CPI (6/30/2019)	0.4	1.4	1.7	2.1	1.5	1.7

Sources: Morningstar Direct, Standard & Poor's, Russell, FTSE, MSCI, Barclays Capital, BofA Merrill Lynch, Bloomberg, HFRI, NCREIF. Data as of 09/30/2019 unless otherwise noted.

Equity & Fixed Income Review



Strategic thinking. Customized solutions.

U.S. Equity Size and Style Return	S
-----------------------------------	---

	QTR				1-Year	
Value	Blend	Growth		Value	Blend	Growth
1.4	1.4	1.5	Large	4.0	3.9	3.7
1.2	0.5	-0.7	Mid	1.6	3.2	5.2
-0.6	-2.4	-4.2	Small	-8.2	-8.9	-9.6

U.S. equities were mixed during the quarter. <u>Large capitalization stocks outperformed both mid and small cap</u>, the latter of which produced negative returns. <u>Growth vs. value leadership was mixed in the quarter</u>, with value coming back into favor across the capitalization spectrum in September. <u>Utilities, real estate</u>, and consumer staples were the top sectors this quarter, as these "bond proxies" benefited from investors' continuing search for yield.

International Equity Size and Region Returns (USD)

	QTR				1-Year	
Small	Mid	Large		Small	Mid	Large
-0.4	-0.6	-1.2	Dev	-5.9	-4.1	-0.6
-4.6	-5.7	-4.0	EM	-5.5	-2.7	-1.9

Many countries generated positive returns on a local currency basis, but <u>a strengthening U.S. dollar resulted in negative returns for U.S. investors. Developed markets outperformed emerging markets, benefiting from an easing ECB while U.S.-China trade uncertainty weighed more heavily on the emerging region. Japan was one of the best performing areas of international markets during the quarter.</u>

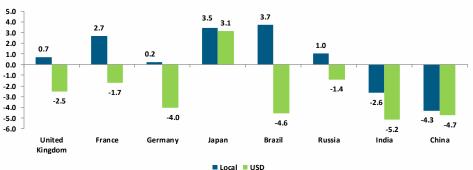
Fixed Income Term and Quality Returns (USD)

	QTR				1-Year	
Short	Interm	Long		Short	Interm	Long
0.6	1.2	7.8	Gov't	4.4	7.5	24.6
1.0	1.7	5.6	Corp	5.2	9.6	20.1

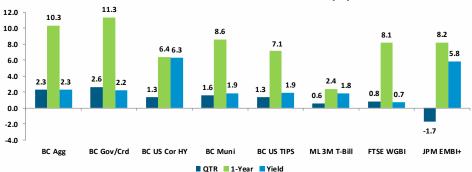
The Federal Reserve cut their benchmark rate two times during the quarter, sending interest rates <u>lower</u>. Long duration bonds, which are more sensitive to interest rate movements, outperformed short duration bonds. <u>Investment grade corporate bonds were one of the best performing sectors</u> during the quarter, outpacing Treasuries, mortgage-related, and other securitized assets.



MSCI Country Results 3Q 2019



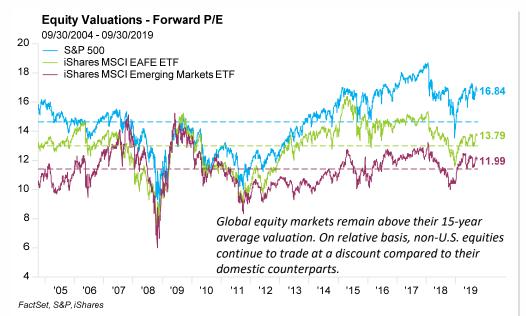
Fixed Income Returns and Yields (%)



Equity Market Perspectives

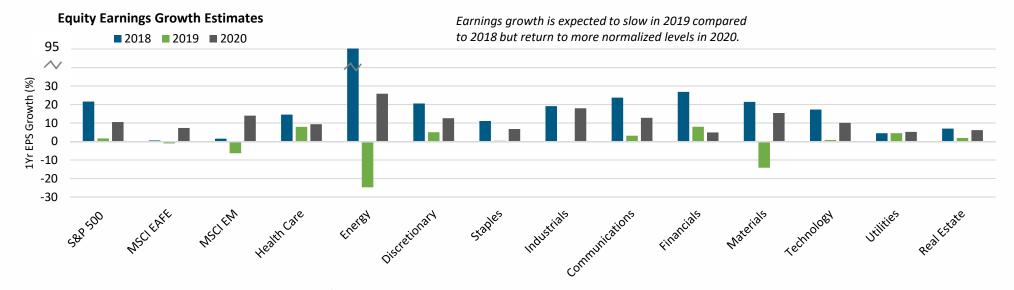


Strategic thinking. Customized solutions.



Growth vs Value Relative Performance -MSCI World Growth / MSCI World Value (left scale) -MSCI World Value / MSCI World Growth (right scale) 1.89 An inverted yield curve 1.00 1.80 has previously coincided 0.95 1.71 with a shift in market 0.90 1.62 leadership. 0.85 1.53 0.75 1.35 0.70 1.26 0.65 1.17 0.60 1.08 0.55 0.99 0.50 0.90

Sources: Charles Schwab, Bloomberg, data as of 9/4/2019. Chart depicts relative performance of Growth vs. Value stocks in the MSCI World Index. Shaded areas represent periods of U.S. yield curve inversion.

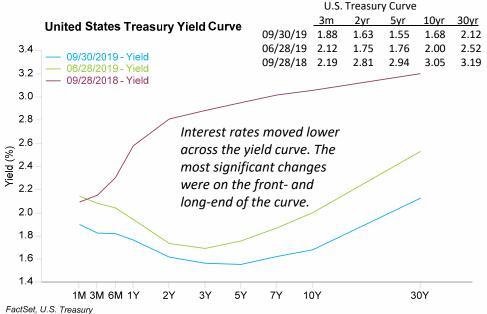


FactSet, S&P, iShares. Sectors are based on S&P 500 Sectors. Data for 2019 and 2020 are estimates.

Fixed Income Market Perspectives

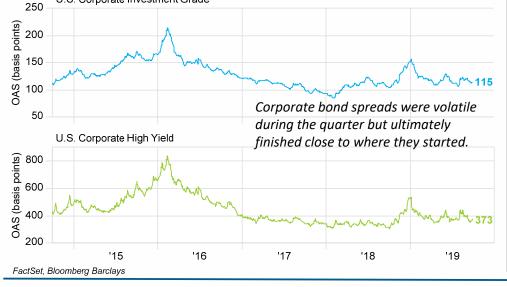


Strategic thinking. Customized solutions.

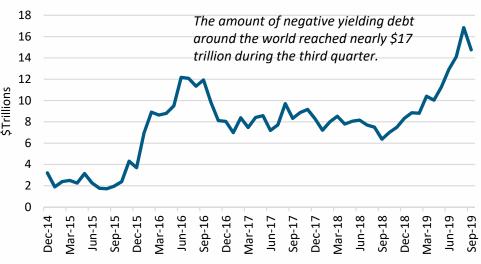




Bloomberg Barclays Option Adjusted Spreads (09/30/2014 - 09/30/2019) U.S. Corporate Investment Grade



Global Negative Yielding Debt



IR+M, Bloomberg Barclays. As of 9/30/19.

FactSet, Federal Reserve. Gray bands indicate recession.

US Federal Funds Rate (Upper Target) 12/31/1970 - 09/30/2019 25% The last three recessions have been directly preceded by a Fed 20% rate cut, but there have been midcycle cuts without a recession, 15% such as the late '80s and mid '90s. 10% '80 '10

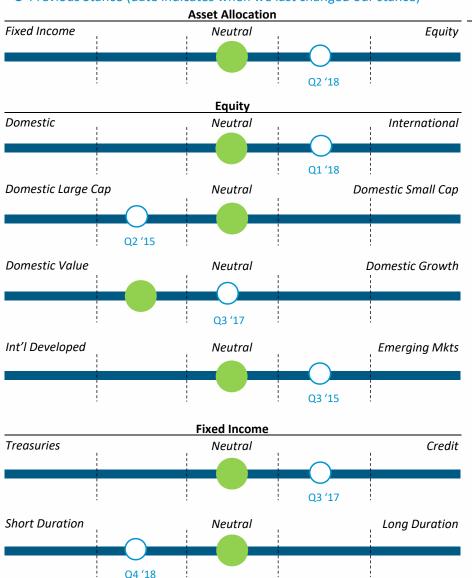
Investing Viewpoints

FIA INVESTMENT ADVISORS

Strategic thinking. Customized solutions.

Current Stance

O Previous Stance (date indicates when we last changed our stance)



Rationale

Equities offer the potential for higher returns near-term, should the increasing accommodations being offered by central banks rekindle a moderating global economy. However, episodes of heightened volatility, coupled with somewhat elevated valuations, lead us to a neutral stance.

Valuation comparisons endure in favor of international equities but a more challenging economic backdrop, central banks' lower margins of error in their policy specifications, and a more acute exposure to trade frictions temper this advantage.

Differences in valuations across the capitalization spectrum are fairly muted and combine with our expectation that the pace and effect of those matters that may serve to influence returns (e.g. trade negotiations) will likely be uneven and varied, which informs our neutral stance. We readily concede that the sheer magnitude of near-term underperformance of small caps could serve as the basis for relative outperformance in a sustained "risk-on" environment.

Value equities continue to trade near historic discounts to their growth counterparts. Stabilizing interest rates and increasing investor caution were on display in September and, consistent with our expectations, value handily outpaced growth. We expect such conditions to exist more consistently over our forecast period, setting the stage for potential outperformance of value stocks.

We anticipate that international equities will continue to take their cues from developments that arise on the central bank stimulus and U.S./China trade negotiation fronts. Developments on both of these fronts are likely to remain highly varied, however, and the slight valuation advantages in place for emerging equities are countered by their vulnerability in times of stress.

Treasury valuations appear "full" as yields remain extraordinarily low and the yield curve flat. Meanwhile, well-behaved (and relatively tight) spreads somewhat diminish any marginal appeal for credit. We expect Treasuries will garner near term support from the prospects of further Fed rate cuts while credit offers still meaningful incremental yield in an otherwise yield-starved environment.

An expectation for range bound interest rates continues to anchor our near-term forecast. We foresee rates across the entirety of the yield curve receiving support from a host of circumstances, most predominantly central bank interventions on the front end of the yield curve and recalibrated investor sentiments arising from a moderating global economy further out the curve.

These viewpoints represent FIA's general assessment of the highlighted capital markets comparisons over the next 18 months. These opinions are subject to modification as conditions in the markets or forecasting periods change. Clients should utilize these rankings in conjunction with other considerations that may be relevant to their particular circumstances.

Asset Allocation - Watertown Retirement System

As of September 30, 2019

Name -	Market Value	Asset Allocation	Target Allocation	Difference
Name	(\$) ¹	(%)	(%)	(%)
follective US Gov't STIF	1,885,502	0.9	0.0	0.9
ixed Income				
RM Core Bond Fund	36,457,278	17.3	17.0	0.3
Eaton Vance Trust CIT High Yield Fund	5,277,780	2.5	2.5	0.0
Brandywine Global Opportunistic Fixed Income	8,313,149	4.0	4.0	-0.0
Total Fixed Income	50,048,207	23.8	23.5	0.3
Asset Allocation				
Wellington Opportunistic Investment Allocation	6,118,961	2.9	3.0	-0.1
PineBridge Global Dynamic Asset Allocation	6,029,459	2.9	3.0	-0.1
Total Asset Allocation	12,148,421	5.8	6.0	-0.2
Domestic Equity				
PRIT Domestic Equity	16,027,790	7.6	7.7	-0.1
Columbia U.S. Contrarian Core Equity Private Fund	25,768,663	12.3	12.0	0.3
Lee Munder Mid Cap Core Collective Fund	11,073,239	5.3	5.5	-0.2
Wellington Small Cap 2000 Portfolio	6,223,788	3.0	3.0	-0.0
Total Domestic Equity	59,093,481	28.1	28.2	-0.1
International Equity				
EARNEST Partners International Equity	17,690,855	8.4	8.6	-0.2
MFS Institutional International Equity	18,467,662	8.8	8.6	0.2
Acadian International Small Cap Equity	4,756,482	2.3	2.6	-0.3
Total International Equity	40,914,999	19.5	19.8	-0.3
Real Estate				
PRIT Core Real Estate	14,968,287	7.1	7.0	0.1
TA Realty Core Property Fund, LP	3,946,632	1.9	1.5	0.4
American Strategic Value Realty Fund	931,805	0.4	1.0	-0.6
TerraCap Partners IV	1,087,495	0.5	0.5	0.0
Arsenal Real Estate Fund I-A	44,935	0.0	0.0	0.0
Total Real Estate	20,979,154	10.0	10.0	-0.0
Hedge Funds				
PRIT Hedge Funds	15,691,514	7.5	7.5	-0.0
Total Hedge Funds	15,691,514	7.5	7.5	-0.0
Private Equity				
Auda Venture LP	86,158	0.0		
RCP IV, LP	413,380	0.2	5.0	-0.5
PRIT Vintage Year Program ³	8,874,187	4.2		
Total Private Equity	9,373,724	4.5	5.0	-0.5
Total Fund	210,135,002	100.0	100.0	

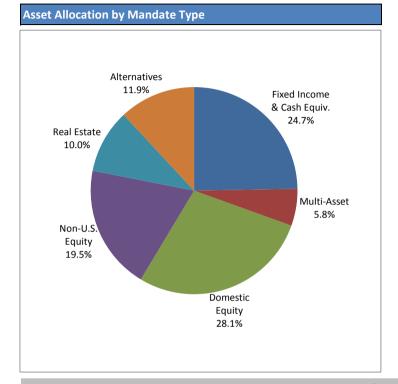
¹Valuations for TA Realty, American Realty Advisors, TerraCap Partners, Arsenal, Auda and RCP are reported with a quarter lag as of 12/31/18, and are adjusted for any cash flow activity in the reporting period.

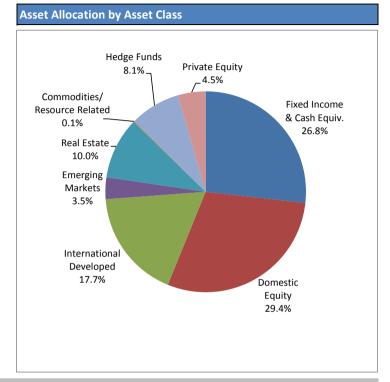
³Breakdown by Vintage Year is provided on Summary of Illiquid Investments page.

Watertown Retirement System

Asset Allocation

As of September 30, 2019





Asset Class Look Through

Wellington Opportunistic Investment Fund allocation as of 9/30/2019 consisted of approximately: 40% fixed income & cash equivalents, 20% domestic equity, 26% developed international equity, 13% emerging markets, and 1% commodities. Please note, percentages may not sum to 100 due to rounding.

PineBridge Global Dynamic Asset Allocation Fund allocation as of 9/30/2019 consisted of approximately: 32% fixed income & cash equivalents, 23% domestic equity, 6% developed international equity, 13% emerging markets, 3% commodities, and 23% hedge funds. Please note, percentages may not sum to 100 due to rounding.

International Breakdown:

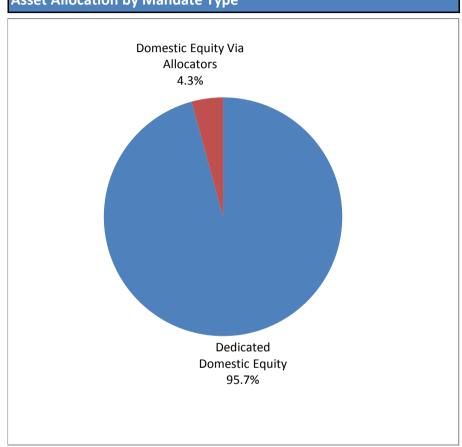
Earnest Partners - 73% developed, 27% emerging MFS International - 95% developed, 5% emerging Acadian Small Cap - 100% developed

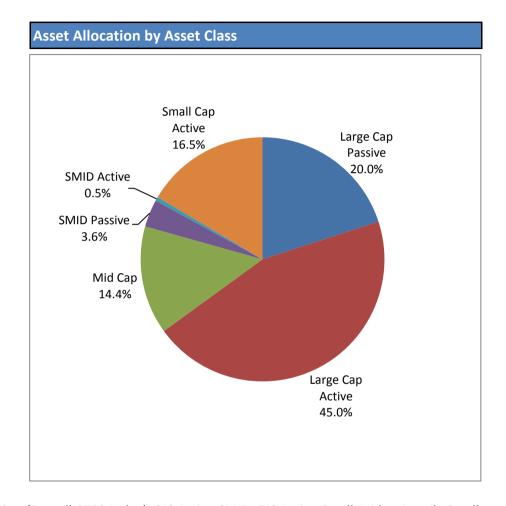
DISCLAIMER: The "look through" information provided above has been gathered from sources deemed to be reliable, including Morningstar and the managers. The asset class look through on the right is designed to give a general representation of how portfolio assets are allocated among various asset classes. However, the information may include discrepancies, based on how managers classify certain holdings.

Watertown Retirement System

Domestic Equity Look Through As of September 30, 2019







PRIT Domestic Equity allocation: 77% Passive Large Cap, 14% Passive SMID Cap (Russell 2500 Index), 2% Active SMID, 7% Active Small-Mid, primarily Small Cap. Domestic Equity allocation in the Asset Allocation strategies assume the allocation in US Equity is primarily in large cap equity.

DISCLAIMER: The "look through" information provided above has been gathered from sources deemed to be reliable, including Morningstar and the managers. The asset class look through on the right is designed to give a general representation of how portfolio assets are allocated among various asset classes. However, the information may include discrepancies, based on how managers classify certain holdings.

Total Plan Performance Summary

As of September 30, 2019

Account Reconciliation					Policy Index Composition	
	QTR	YTD	Since Inception	Inception Date	Allocation Mandate	Weight (%)
Net Contributions Total Gain/Loss	e Inception co prior to 1/1/20	007 was not av	/1/2007. Histor ailable from th	e prior	Blmbg. Barc. U.S. Aggregate Index ICE BofAML US High Yield Master II Constrained FTSE World Government Bond Index Russell 3000 Index MSCI AC World ex USA (Net) MSCI EAFE Small Cap (net) Index PRIM Custom Total RE Benchmark HFRI Fund of Funds Composite Index	20.00 2.50 2.50 35.00 20.00 2.50 10.00 7.50

Trailing Performance Summary

QTR	YTD	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
0.6	12.3	3.8	7.4	6.2	7.6	7.9	6.0	10/01/1999
0.7	13.1	4.2	7.8	6.4	7.8	8.2	6.1	
-0.1	-0.8	-0.4	-0.4	-0.2	-0.2	-0.3	-0.1	
	0.6 0.7	0.6 12.3 0.7 13.1	0.6 12.3 3.8 0.7 13.1 4.2	0.6 12.3 3.8 7.4 0.7 13.1 4.2 7.8	Vear Years Years 0.6 12.3 3.8 7.4 6.2 0.7 13.1 4.2 7.8 6.4	Vear Years Years Years 0.6 12.3 3.8 7.4 6.2 7.6 0.7 13.1 4.2 7.8 6.4 7.8	QTR YTD Year Years Years Years Years 0.6 12.3 3.8 7.4 6.2 7.6 7.9 0.7 13.1 4.2 7.8 6.4 7.8 8.2	QTR YTD Year Years Years Years Years Years Inception 0.6 12.3 3.8 7.4 6.2 7.6 7.9 6.0 0.7 13.1 4.2 7.8 6.4 7.8 8.2 6.1

Calendar Year Performance Summary

	2018	2017	2016	2015	2014	2013	2012	2011
Total Fund Composite	-4.9	15.6	6.6	1.0	6.6	15.6	12.3	-1.2
Policy Index	-4.9	15.8	7.4	0.4	6.1	16.7	12.6	0.9
Difference	0.0	-0.2	-0.8	0.6	0.5	-1.1	-0.3	-2.1

Investment performance history data prior to 3/31/2010 was sourced from prior consultant.

Manager Performance Overview As of September 30, 2019

	QTR	YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Total Fund Composite	0.6	12.3	3.8	7.4	6.2	7.9	6.0	10/01/1999
Policy Index	0.7	13.1	4.2	7.8	6.4	8.2	6.1	
PRIT General Allocation Fund **	1.3	11.3	4.3	8.3	7.1	8.4	9.0	02/01/1985
PRIT Benchmark	1.4	11.3	5.5	8.5	7.0	8.2	9.7	
Short Term Liquidity								
Collective US Govt STIF Fund	0.6	1.6	2.0	1.1	0.7	0.4	1.2	03/01/2004
90 Day U.S. Treasury Bill	0.6	1.8	2.4	1.5	1.0	0.5	1.3	
Fixed Income	1.6	8.5	8.9	3.2	3.4	4.4	4.4	04/01/2007
Fixed Income Benchmark	2.0	8.6	9.7	3.1	3.4	4.0	4.4	
IRM Core Bond Fund LLC	2.3 (24)	8.9 (39)	10.4 (19)	3.1 (26)	3.5 (19)	4.2 (34)	5.3 (16)	07/01/2000
Blmbg. Barc. U.S. Aggregate Index	2.3	8.5	10.3	2.9	3.4	3.7	5.0	
IM U.S. Broad Market Core Fixed Income (MF) Median	2.2	8.7	9.8	2.9	3.1	3.9	4.9	
Eaton Vance Trust CIT High Yield Fund	1.7 (14)	11.5 (31)	7.0 (17)	N/A	N/A	N/A	6.5 (17)	04/01/2018
ICE BofAML US High Yield Master II Constrained	1.2	11.5	6.3	N/A	N/A	N/A	6.5	
IM U.S. High Yield Bonds (MF) Median	1.2	10.8	5.3	N/A	N/A	N/A	5.4	
Brandywine Global Opportunistic Fixed Income	-1.6 (96)	5.0 (84)	3.7 (92)	1.8 (66)	1.6 (70)	N/A	3.1 (24)	06/01/2011
FTSE World Government Bond Index	0.8	6.3	8.1	1.2	1.8	N/A	1.2	
IM Global Fixed Income (MF) Median	1.0	7.1	7.7	2.3	2.2	N/A	2.2	
Asset Allocation	-0.6	7.7	0.4	3.4	2.8	N/A	4.9	08/01/2010
65% MSCI AC World ND/ 35% Blmbrg Brclys US Agg	0.8	13.7	4.8	7.5	5.7	N/A	7.1	
WTC-CIF Opportunistic Invst Allocation	0.4	10.7	3.2	4.8	4.0	N/A	3.9	11/01/2010
Wellington Opportunistic Index	0.8	13.7	4.8	7.5	5.7	N/A	6.7	
PineBridge Global Dynamic Asset Allocation Fund LLC	-1.8	N/A	N/A	N/A	N/A	N/A	1.2	02/01/2019
60% MSCI AC World 40% BC AGG	0.9	N/A	N/A	N/A	N/A	N/A	7.7	

Returns for periods less than one year are not annualized. Returns are net of fees unless otherwise noted.

Manager Performance Overview As of September 30, 2019

	QTR	YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Domestic Equity	0.7	20.4	1.7	11.0	9.6	12.5	8.7	04/01/2007
Domestic Equity Benchmark	1.2	20.1	2.9	12.8	10.4	13.1	8.0	
PRIT Domestic Equity	0.7 (77)	19.8 (47)	2.1 (61)	12.7 (42)	10.2 (29)	N/A	14.1 (24)	07/01/2010
PRIT Equity Benchmark	1.1	20.0	2.6	12.6	10.4	N/A	14.2	
IM U.S. Large Cap Core Equity (MF) Median	1.5	19.5	3.2	12.3	9.4	N/A	13.2	
Columbia US Contrarian Core Equity Fund	2.0 (30)	21.9 (20)	4.4 (37)	11.5 (63)	N/A	N/A	9.5 (35)	01/01/2015
Russell 1000 Index	1.4	20.5	3.9	13.2	N/A	N/A	10.1	
IM U.S. Large Cap Core Equity (MF) Median	1.5	19.5	3.2	12.3	N/A	N/A	8.9	
LMCG Mid Cap Collective Fund	-0.8 (85)	17.9 (71)	-3.2 (78)	6.9 (73)	6.9 (51)	N/A	9.2 (35)	06/01/2011
Russell Midcap Index	0.5	21.9	3.2	10.7	9.1	N/A	10.7	
IM U.S. Mid Cap Core Equity (MF) Median	0.9	19.7	0.9	8.8	6.9	N/A	8.5	
Wellington Small Cap 2000	-2.0 (74)	20.2 (3)	-2.0 (4)	11.7 (1)	10.5 (3)	14.4 (1)	12.0 (N/A)	04/01/1991
Russell 2000 Index	-2.4	14.2	-8.9	8.2	8.2	11.2	9.5	
IM U.S. Small Cap Core Equity (MF) Median	-0.9	12.6	-9.9	7.0	7.4	10.8	N/A	
International Equity	-1.5	14.1	-0.3	7.8	4.3	6.3	4.0	04/01/2007
International Equity Benchmark	-1.6	11.6	-1.8	6.3	3.3	4.8	2.4	
Earnest Partners Intl Equity	-2.1 (64)	11.3 (65)	-2.7 (40)	6.5 (21)	2.2 (33)	4.7 (30)	3.8 (16)	08/01/2008
MSCI AC World ex USA (Net)	-1.8	11.6	-1.2	6.3	2.9	4.5	2.6	
IM International Large Cap Core Equity (MF) Median	-1.3	12.0	-3.2	5.2	1.4	4.1	2.5	
MFS Instl International Equity Fund	-0.9 (38)	17.8 (10)	4.6 (2)	9.7 (1)	5.6 (1)	N/A	7.1 (1)	12/01/2010
MSCI EAFE (Net) Index	-1.1	12.8	-1.3	6.5	3.3	N/A	5.3	
IM International Large Cap Core Equity (MF) Median	-1.3	12.0	-3.2	5.2	1.4	N/A	4.4	
Acadian Intl Small Cap Fund	-1.6 (37)	10.7 (60)	-8.7 (67)	6.2 (36)	6.5 (22)	N/A	7.4 (23)	02/01/2011
MSCI EAFE Small Cap (net) Index	-0.4	12.1	-5.9	5.9	6.0	N/A	6.2	
IM International Small Cap Equity (SA+CF+MF) Median	-1.9	11.4	-7.1	5.1	4.9	N/A	6.0	

Returns for periods less than one year are not annualized. Returns are net of fees unless otherwise noted.

Manager Performance Overview As of September 30, 2019

	QTR	YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
Real Estate	1.9	6.5	6.0	6.1	8.4	7.8	1.9	04/01/2007
Real Estate Benchmark	2.2	7.9	8.2	7.0	8.8	9.9	6.8	
PRIT Real Estate Fund	2.5	7.9	6.6	6.9	9.1	N/A	9.8	06/01/2011
PRIM Custom Total RE Benchmark	2.2	7.9	8.2	6.9	8.7	N/A	9.9	
TA Realty Core Property Fund, LP	0.0	4.0	6.4	N/A	N/A	N/A	11.6	04/01/2018
NCREIF Property Index	1.4	4.8	6.2	N/A	N/A	N/A	6.5	
American Strategic Value Realty Fund	1.8	5.7	7.3	N/A	N/A	N/A	7.0	07/01/2018
NCREIF Property Index	1.4	4.8	6.2	N/A	N/A	N/A	6.4	
TerraCap Partners IV	0.0	-2.0	2.8	N/A	N/A	N/A	7.1	07/01/2018
NCREIF Property Index	1.4	4.8	6.2	N/A	N/A	N/A	6.4	
Arsenal Real Estate Fund I-A	0.0	-1.5	-35.0	-44.5	-31.9	-17.6	-18.4	04/01/2006
NCREIF Property Index	1.4	4.8	6.2	6.8	8.6	9.8	7.4	
Hedge Funds	-0.2	5.9	2.1	4.9	3.1	N/A	4.7	07/01/2010
HFRI Fund of Funds Composite Index	-0.9	5.2	0.0	3.2	2.0	N/A	2.9	
PRIT Hedge Funds	-0.2	5.9	2.1	4.9	3.1	N/A	4.7	07/01/2010
HFRI Fund of Funds Composite Index	-0.9	5.2	0.0	3.2	2.0	N/A	2.9	
Private Equity	4.5	9.9	14.6	19.6	19.9	18.2	12.4	04/01/2007
Auda Venture LP	0.0	0.8	-2.3	13.0	13.9	14.1	3.0	12/01/2000
S&P 500 + 5%	2.9	25.0	9.5	19.1	16.4	18.9	11.8	
RCP Fund IV	0.0	13.1	16.7	21.4	24.2	22.3	18.8	01/01/2007
S&P 500 + 5%	2.9	25.0	9.5	19.1	16.4	18.9	13.7	
PRIT VY Investments	4.9	9.6	14.5	19.2	17.3	N/A	0.9	04/01/2011
Russell 3000 Index	1.2	20.1	2.9	12.8	10.4	N/A	11.9	
PRIT Vintage 2011	1.5	5.6	12.0	19.9	21.4	N/A	3.6	04/01/2011
Russell 3000 Index	1.2	20.1	2.9	12.8	10.4	N/A	11.9	

Returns for periods less than one year are not annualized. Returns are net of fees unless otherwise noted.

Manager Performance Overview

As of September 30, 2019

	QTR	YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
PRIT Vintage 2012	2.7	4.5	6.9	17.3	15.2	N/A	-17.4	06/01/2012
Russell 3000 Index	1.2	20.1	2.9	12.8	10.4	N/A	13.9	
PRIT Vintage 2013	9.6	16.1	20.7	18.3	12.8	N/A	7.6	07/01/2013
Russell 3000 Index	1.2	20.1	2.9	12.8	10.4	N/A	12.2	
PRIT Vintage 2014	4.8	10.6	19.4	23.4	13.8	N/A	5.9	06/01/2014
Russell 3000 Index	1.2	20.1	2.9	12.8	10.4	N/A	10.3	
PRIT Vintage 2015	8.9	18.2	25.7	24.6	N/A	N/A	12.6	04/01/2015
Russell 3000 Index	1.2	20.1	2.9	12.8	N/A	N/A	10.0	
PRIT Vintage 2016	2.4	1.9	5.2	0.6	N/A	N/A	-10.5	04/01/2016
Russell 3000 Index	1.2	20.1	2.9	12.8	N/A	N/A	13.1	
PRIT Vintage 2017	3.9	11.1	8.7	N/A	N/A	N/A	6.9	05/01/2017
Russell 3000 Index	1.2	20.1	2.9	N/A	N/A	N/A	11.1	
PRIT Vintage 2018	0.2	-1.7	-3.3	N/A	N/A	N/A	-12.5	06/01/2018
Russell 3000 Index	1.2	20.1	2.9	N/A	N/A	N/A	8.1	
PRIT Vintage 2019	2.3	N/A	N/A	N/A	N/A	N/A	1.6	04/01/2019
Russell 3000 Index	1.2	N/A	N/A	N/A	N/A	N/A	5.3	

The inception date expressed on the Manager Performance Overview page(s) represents the first day of the first full month following the purchase of the investment. Performance figures shown at the fund level begin on this inception date. Your performance may differ slightly if the fund was purchased during the previous month. Actual performance is captured at the total plan level.

Investment returns are derived from custodian valuations and may deviate slightly from fund level returns displayed in other pages in your report which can result in minor differences in universe rankings. Mutual fund performance may differ from the current share class's historical performance due to share class exchanges.

^{**} PRIT General Allocation Fund performance is provided net of fees for comparative purposes only.

Private Real Estate IRR Comparative

As of September 30, 2019

	QTR	YTD	1	2	3	Since	Inception
			Year	Years	Years	Inception	Date
TA Realty Core Property Fund, LP	0.0	4.0	6.3	N/A	N/A	10.1	04/02/2018
American Strategic Value Realty Fund	1.8	5.7	7.5	N/A	N/A	7.5	06/27/2018
TerraCap Partners IV	0.0	-2.0	2.9	N/A	N/A	7.5	07/17/2018

In accordance with Global Investment Performance Standards, Private Equity manager returns are presented using Internal Rate of Return (IRR) calculations. The IRRs contained in this report are calculated by FIA based on information provided by the general partner (e.g. cash flows and valuations). These IRR calculations have not been confirmed by the general partners. The result of FIA's IRR calculation may differ from that generated by the general partner or other limited partners, primarily due to lack of industry valuation standards, differences in the investment pace and strategy of various funds, date of close, sale of distributed stock, and other factors.

Manager Commentary As of September 30, 2019

Manager	Manager Status	Comments
Fixed Income		
IRM Core Bond Fund LLC	Maintain	3Q 2019 – The IR+M Core Bond portfolio produced a positive absolute return during the third quarter, performing in line with the Bloomberg Barclays U.S. Aggregate Bond Index. Spread sectors generally outperformed similar duration Treasuries and, as a result, the strategy's overweight to corporate bonds proved to be beneficial. Issue selection was mixed with favorable results within financials and RMBS, but negative selection within transportation and CMBS issues. The team at IR+M is cautiously optimistic, balancing a relatively stable U.S. economy with valuations that continue to be stretched. The team still favors spread sectors over Treasuries but is mindful of liquidity and downside protection. In-line with its philosophy, the portfolio remains neutral to the benchmark in duration and is focused on bottom-up issue selection and sector rotation.
Eaton Vance Trust CIT High Yield Fund	Maintain	3Q 2019 - Commentary not available at time of report production.
Brandywine Global Opportunistic Fixed Income	Maintain	3Q 2019 – The Brandywine Global Opportunities Fixed Income strategy declined during the third quarter and underperformed its benchmark. As markets digested a cascade of negative economic and geopolitical developments and fresh central bank stimulus, global bonds rallied in the period amid a flight to safety in the developed world and a search for yield in the emerging world. The strategy's weak performance in this environment was primarily driven by currency. Although an underweight exposure to the euro and a lack of exposure to the Japanese yen did have a positive impact, the portfolio's minimal ownership of U.S. dollars and exposure to a basket of foreign currencies was detrimental amid the strong U.S. dollar environment. On the positive side, duration provided significant absolute returns from the portfolio's holdings of Treasuries and EM bonds, with Mexican and Brazilian bonds powering the gains, as global rates moved sharply lower. Yields fell across global curves with the 10-year Treasury posting its largest quarterly decline in several years, the 30-year Treasury hitting a record low, and the entire German yield curve entering negative territory. However, relative duration performance suffered due to the absence of holdings in Japanese government bonds and other low or negative-yielding European debt.
Asset Allocation		
WTC-CIF Opportunistic Invst Allocation	Maintain	3Q 2019 – The Wellington Opportunistic Investment strategy produced a positive absolute return during the third quarter but lagged the blended benchmark (65% MSCI AC World Index/35% Barclays U.S. Aggregate Bond Index). The portfolio continues to face market headwinds as core asset classes (U.S. equities and traditional fixed income) have outperformed diversifying areas such as non-U.S. and emerging market equities. For the quarter, weighing on results were the portfolio's India Awakes and Health Care Watchdog, and Dislocated Contrarian Value themes. On the other hand, the strategy's Activist Government and Technology Evolution themes had a positive impact on results. The Activist Government theme benefited from rising gold prices which was a tailwind for investments in gold miners. Additionally, the defense equity component performed well. There were no major allocation shifts in the portfolio during the quarter. Some positions were trimmed including precious metal equities, defense equities, and European infrastructure. The strategy was moved back to a Maintain status. Brian Garvey, the lead portfolio manager on the strategy, has followed through on items he identified, following Mark Lynch's departure earlier in the year, that would address portfolio performance, most notably on the equity side. These include implementing more exposures with specialist managers at Wellington, more active management of theme exposures, and putting Opportunistic Investment team members on each of Wellington's new investment hubs. Mr. Garvey has taken actions consistent with the above initiatives and we believe these to be a positive for the strategy going forward.
PineBridge Global Dynamic Asset Allocation Fund LLC	No Status	3Q 2019 – The PineBridge Global Dynamic Asset Allocation strategy produced a negative return during the third quarter and underperformed its benchmark. The portfolio's underweight to U.S. equities was again a headwind as U.S. stocks outpaced their international counterparts. However, exposure to U.S. financials was beneficial. Also adding to results was the portfolio's investments in Brazilian and Japanese equities. However, this was not enough to offset set weakness in other areas of the portfolio. Currency positioning had a negative impact as the U.S. dollar gained ground against many major currencies, including the euro and Brazilian real. Additionally, exposure to U.S. small cap equity weighed on performance. The team at PineBridge believes there is still room to run for cyclical areas of the economy as central banks are shifting to more accommodative stances and global trade tensions are seemingly easing. As such, the team has been adding to cyclical equities over defensive.
Domestic Equity		
PRIT Domestic Equity	Maintain	3Q 2019 - Commentary not available at time of report production.
Columbia US Contrarian Core Equity Fund	Maintain	3Q 2019 - Commentary not available at time of report production.
LMCG Mid Cap Collective Fund	Watch 3Q 2019	3Q 2019 - Commentary not available at time of report production.

Manager Commentary As of September 30, 2019

Manager	Manager Status	Comments
Wellington Small Cap 2000	Maintain	3Q 2019 – The Wellington Small Cap 2000 Portfolio outperformed the Russell 2000 Index in the third quarter. Small cap stocks underperformed their larger peers during the quarter as market volatility increased and investor risk appetites decreased. Regarding attribution, weak stock selection in healthcare and industrials was overwhelmed by strong selection in the consumer discretionary, technology and energy sectors. Within consumer discretionary and energy, the portfolio's top relative contributors were an overweight to TopBuild and not owning McDermott International, respectively. Within healthcare and industrials, the portfolio's top relative detractors were overweights to Merit Medical Systems and Granite Construction, respectively.
International Equity		
Earnest Partners Intl Equity	Maintain	3Q 2019 – The EARNEST Partners International strategy declined during the third quarter and performed in line with its benchmark, the MSCI ACWI ex-US. International equities ended a volatile quarter lower in dollar terms as markets were again driven by a steady mix of negative and positive economic and geopolitical news flow and were negatively impacted by a strong U.S. dollar. At the portfolio level, stock selection was positive for the quarter as the high-quality nature of its holdings held up well amid the market volatility. However, traditional defensive sectors outperformed in this market environment, which was a headwind to performance as the portfolio is relatively underweight sectors like consumer staples and utilities. From a regional perspective, stock selection was positive, particularly in Latin America and Japan, where fundamentals have played a larger role in stock prices, and investors tend to be less focused on macroeconomic factors like trade and Brexit. Stock selection was also positive in emerging markets; however, the portfolio's overweight to developing countries detracted from performance as developed market stocks outperformed in the period.
MFS Instl International Equity Fund	Maintain	3Q 2019 – The MFS Institutional International Equity strategy declined during the third quarter but modestly outpaced its benchmark, the MSCI EAFE Index. International equities were mixed as investor uncertainty about global growth and trade weighed on sentiment while central banks responded by loosening monetary policy. Returns for dollar-based investors were negatively impacted by headwinds from continued strength in the dollar. The strategy's relative outperformance in the period was driven by healthcare and energy due to a combination of positive stock selection within the two sectors and favorable allocations stemming from an underweight to the weak energy sector and an overweight to the outperforming healthcare sector. Conversely, these relative gains were partially offset by negative stock selection in the information technology and consumer staples sectors.
Acadian Intl Small Cap Fund	Maintain	3Q 2019 – The Acadian Non-US Small Cap Equity strategy declined during the third quarter and underperformed its benchmark, the MSCI EAFE Small Cap Index. From a regional perspective, stock selection in Japan, Australia, and the UK were the key sources of the portfolio's underperformance. Meanwhile, these losses were partially offset by opportunistic exposure in Canada, a significant overweight exposure to Israel, and positive stock selection in the Netherlands. On a sector basis, negative stock selection in the materials and healthcare sectors and an underweight exposure and weak stock selection in the outperforming real estate sector were the primary detractors for the period. On the positive side, stock selection in the financials and consumer discretionary sectors added value.
Real Estate		
PRIT Real Estate Fund	Maintain	The PRIT Real Estate Account provides diversified exposure to the commercial real estate market through exposure to physical assets and public securities. Approximately 80% of the portfolio is invested in separate account core portfolios with Invesco, LaSalle, AEW, and JP Morgan. The Core portfolio includes portfolio debt of approximately \$1 billion. The portfolio also includes dedicated allocations to Global REIT portfolios managed by CenterSquare, Invesco, Presima, and Brookfield. Non-Core portfolio investments of approximately \$500 million include allocations with Carlyle Group and DivcoWest. There is also a modest allocation to economically targeted investments. The PRIT board expects to identify additional real estate opportunities in the upcoming year and will formally evaluate their advisory relationship. Townsend currently serves as Real Estate Consultant.
TA Realty Core Property Fund, LP	Maintain	3Q 2019 - Commentary not available at time of report production.
American Strategic Value Realty Fund	Maintain	3Q 2019 - Commentary not available at time of report production.
TerraCap Partners IV	Maintain	3Q 2019 - Commentary not available at time of report production.
Arsenal Real Estate Fund I-A	Illiquid Inherited	3Q 2019 - Commentary not available at time of report production.

Manager Commentary As of September 30, 2019

Manager	Manager Status	Comments
Hedge Funds		
PRIT Hedge Funds	Maintain	The PRIT Hedge Fund segmented portfolio consists primarily of direct hedge funds which comprise approximately 85% of the capital invested across 28 direct fund investments. The portfolio's active Fund of Funds allocation, which accounts for 15% of the program, focuses on emerging managers and is managed by PAAMCO. Residual capital in the fund of funds closed portfolios is being overseen and actively wound down by Arden, advisor to the PRIM Board. Earlier in 2017, the PRIM Board merged the 4% target allocation to portfolio completion strategies, which currently includes three risk premia strategies, a residential real estate holding, an agricultural investment and an equity hedge, with the 9% hedge fund allocation for a combined PCS allocation of 13%. Participating investors will continue to access the Hedge Funds sleeve on a stand-alone basis.
Private Equity		
Auda Venture LP	Illiquid Inherited	Commentary is reported as of calendar year end 2016. This Fund is reported on a one quarter lag. As of December 31, 2016, the Fund has produced a net IRR of 1.9% and a net multiple of contributed capital of 1.2x. During the quarter, the Fund did not call capital from investors and made no distributions. To date, 104% of total contributed capital has been distributed to investors. There are 53 remaining portfolio companies across the portfolio's 11 underlying funds. Approximately \$21 million of the portfolio's \$163 million in total value remains active in the portfolio.
RCP Fund IV	Illiquid Inherited	This Fund is reported on a one quarter lag. As of December 31, 2016 the Fund reported a new IRR of 14.3% and has returned a total of 134.4% of paid in capital to investors. The portfolio made its 37th distribution during the fourth quarter following multiple liquidity events in the underlying portfolio. The portfolio's net return on invested capital ended the quarter at 1.9x. Both the IRR and multiples moved slightly higher during the quarter. The portfolio has also made additional distributions early in 2017 although a portion was held back as a capital call.
PRIT VY Investments	Maintain	The PRIT Private Equity Vintage year program is raised annually seeking to make approximately 30 investment decisions per year. The strategy has two key components: special equity and venture capital. Special equity is comprised of opportunities across large buyouts, small and mid-cap buyouts, and growth equity. The portfolio is built through commitments to a number of private partnerships and can also include co-investments. The private equity program is overseen by Senior Investment Officer, Michael Bailey.

Manager Investment Gain/Loss Summary Quarter Ending September 30, 2019

Quarter Linding September 30, 2019	Market Value			Market Value
	As of	Net Flows	Return On	As of
	07/01/2019	Net Hows	Investment	09/30/2019
Short Term Liquidity				
Collective US Govt STIF Fund	-219,567	2,080,388	24,681	1,885,502
Total Short Term Liquidity	-219,567	2,080,388	24,681	1,885,502
Fixed Income				
RM Core Bond Fund LLC	33,330,910	2,310,000	816,368	36,457,278
Eaton Vance Trust CIT High Yield Fund	4,879,107	310,000	88,673	5,277,780
Brandywine Global Opportunistic Fixed Income	7,698,805	750,000	-135,656	8,313,149
Total Fixed Income	45,908,821	3,370,000	769,385	50,048,207
Asset Allocation				
WTC-CIF Opportunistic Invst Allocation	6,093,084	-	25,877	6,118,961
PineBridge Global Dynamic Asset Allocation Fund LLC	5,581,926	550,000	-102,467	6,029,459
Total Asset Allocation	11,675,010	550,000	-76,589	12,148,421
Domestic Equity				
PRIT Domestic Equity	15,618,058	300,000	109,732	16,027,790
Columbia US Contrarian Core Equity Fund	25,273,269	-	495,394	25,768,663
LMCG Mid Cap Collective Fund	10,458,848	700,000	-85,608	11,073,239
Wellington Small Cap 2000	6,350,950	-	-127,162	6,223,788
Total Domestic Equity	57,701,125	1,000,000	392,356	59,093,481
International Equity				
Earnest Partners Intl Equity	17,151,997	900,000	-361,142	17,690,855
MFS Instl International Equity Fund	17,676,749	950,000	-159,087	18,467,662
Acadian Intl Small Cap Fund	4,832,942	-	-76,460	4,756,482
Total International Equity	39,661,688	1,850,000	-596,689	40,914,999

Manager Investment Gain/Loss Summary Quarter Ending September 30, 2019

	Market Value As of 07/01/2019	Net Flows	Return On Investment	Market Value As of 09/30/2019
eal Estate				
RIT Real Estate Fund	13,796,369	800,000	371,918	14,968,287
Realty Core Property Fund, LP	3,946,632	, -	, -	3,946,632
nerican Strategic Value Realty Fund	915,063	-	16,742	931,805
rraCap Partners IV	1,122,842	-35,347	, -	1,087,495
senal Real Estate Fund I-A	44,935	, -	-	44,935
otal Real Estate	19,825,841	764,653	388,659	20,979,154
edge Funds				
RIT Hedge Funds	14,718,030	1,000,000	-26,515	15,691,514
otal Hedge Funds	14,718,030	1,000,000	-26,515	15,691,514
ingle Continu				
ivate Equity	116.150	20,000		00.450
uda Venture LP	116,158	-30,000	-	86,158
CP Fund IV	672,372	-258,993	16.601	413,380
RIT Vintage 2011	1,139,906	-29,343	16,601	1,127,164
RIT Vintage 2012 RIT Vintage 2013	968,677 1,067,774	-22,605 -49,936	25,308 96,956	971,380 1,114,794
RIT Vintage 2013	1,299,204	-49,936 4,406	96,936 62,679	
RIT Vintage 2014	1,732,233	-30,448	151,554	1,366,289 1,853,339
RIT Vintage 2015	719,368	-30,448 -42,169	16,325	693,524
RIT Vintage 2016	832,799	110,603	37,180	980,581
RIT Vintage 2017	410,317	105,059	37,180 1,595	516,972
RIT Vintage 2018	117,949	126,544	1,595 5,651	250,144
•	9,076,756	•	•	•
otal Private Equity	3,070,750	-116,882	413,850	9,373,724
otal Fund Composite	198,347,704	10,498,159	1,289,138	210,135,002

Market Value & Flow Summary January 1, 2007 To September 30, 2019

Periods Ending	Beginning Market Value (\$)	Net Cash Flow (\$)	Gain/Loss (\$)	Ending Market Value (\$)	% Return
Dec-2006	-	-	-	89,230,180	N/A
Mar-2007	89,230,180	-1,452,000	2,119,807	89,897,987	2.3
Jun-2007	89,897,987	-1,819,719	4,083,544	92,161,812	4.6
Sep-2007	92,161,812	4,632,269	846,853	97,640,934	0.9
Dec-2007	97,640,934	-1,249,275	-1,131,003	95,260,656	-1.2
Mar-2008	95,260,656	-1,792,164	-5,030,268	88,438,224	-5.3
un-2008	88,438,224	-1,815,961	78,271	86,700,534	0.1
Sep-2008	86,700,534	4,911,404	-8,574,440	83,037,498	-9.2
Dec-2008	83,037,498	-1,492,765	-13,101,380	68,443,353	-15.8
Mar-2009	68,443,353	-1,235,448	-5,286,840	61,921,064	-7.7
un-2009	61,921,064	545,007	6,676,722	69,142,792	10.8
Sep-2009	69,142,792	2,411,486	7,754,039	79,308,316	10.9
Dec-2009	79,308,316	-1,279,156	2,632,754	80,661,914	3.4
Mar-2010	80,661,914	-1,922,947	3,126,385	81,865,352	4.1
un-2010	81,865,352	-1,925,000	-4,203,687	75,736,665	-5.2
Sep-2010	75,736,665	5,886,079	6,954,108	88,576,852	8.4
Dec-2010	88,576,852	-1,724,125	5,510,048	92,362,776	6.3
Mar-2011	92,362,776	-1,700,936	4,147,117	94,808,957	4.5
un-2011	94,808,957	-1,865,526	211,020	93,154,452	0.2
ep-2011	93,154,452	6,658,409	-10,467,449	89,345,412	-10.4
Dec-2011	89,345,412	-2,092,157	4,734,765	91,988,020	5.3
Mar-2012	91,988,020	-2,409,805	7,144,754	96,722,969	7.8
un-2012	96,722,969	-1,772,726	-2,681,394	92,268,849	-2.8
Sep-2012	92,268,849	7,452,391	4,711,288	104,432,529	4.7
Dec-2012	104,432,529	-2,350,397	2,444,417	104,526,549	2.4
Лаr-2013	104,526,549	-1,858,369	5,250,456	107,918,636	5.0
un-2013	107,918,636	-1,987,842	233,385	106,164,179	0.2
Sep-2013	106,164,179	8,048,762	4,867,503	119,080,444	4.2
Dec-2013	119,080,444	-2,186,900	6,362,761	123,256,305	5.4
Mar-2014	123,256,305	-2,278,454	2,325,881	123,303,733	1.9
Jun-2014	123,303,733	-2,288,304	4,577,761	125,593,191	3.8

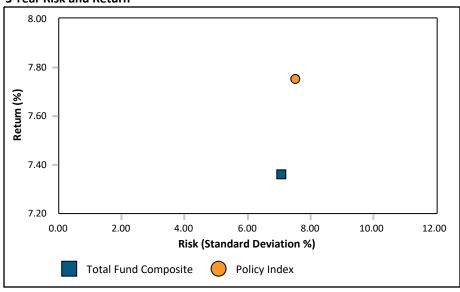
Market Value & Flow Summary January 1, 2007 To September 30, 2019

Periods Ending	Beginning Market Value (\$)	Net Cash Flow (\$)	Gain/Loss (\$)	Ending Market Value (\$)	% Return
Sep-2014	125,593,191	10,268,246	-1,388,534	134,472,902	-1.0
Dec-2014	134,472,902	-2,378,442	2,458,142	134,552,603	1.8
Mar-2015	134,552,603	-2,246,378	3,961,230	136,267,455	3.0
lun-2015	136,267,455	-2,431,339	626,466	134,462,581	0.4
Sep-2015	134,462,581	11,403,254	-7,359,560	138,506,275	-5.0
Dec-2015	138,506,275	-2,460,269	3,853,192	139,899,197	2.8
Mar-2016	139,899,197	-2,498,851	819,948	138,220,294	0.6
un-2016	138,220,294	-2,785,444	2,126,432	137,561,282	1.5
Sep-2016	137,561,282	12,738,176	6,043,012	156,342,470	4.0
Dec-2016	156,342,470	-2,537,607	469,452	154,274,315	0.3
Mar-2017	154,274,315	-2,722,539	7,091,039	158,642,816	4.6
un-2017	158,642,816	-2,413,060	5,793,050	162,022,805	3.7
Sep-2017	162,022,805	14,079,967	5,793,985	181,896,757	3.3
Dec-2017	181,896,757	-2,754,427	5,718,358	184,860,688	3.2
Mar-2018	184,860,688	-3,098,102	-754,895	181,007,690	-0.4
un-2018	181,007,690	-2,224,279	1,822,461	180,605,873	1.0
Sep-2018	180,605,873	16,257,221	4,362,452	201,225,545	2.2
Dec-2018	201,225,545	-2,992,611	-15,021,002	183,211,932	-7.5
Mar-2019	183,211,932	-3,071,501	14,339,023	194,479,454	7.9
un-2019	194,479,454	-2,776,405	6,644,655	198,347,704	3.4
Sep-2019	198,347,704	10,498,159	1,289,138	210,135,002	0.6

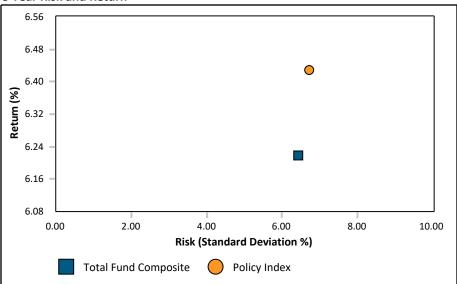
Risk vs. Return Analysis

As of September 30, 2019

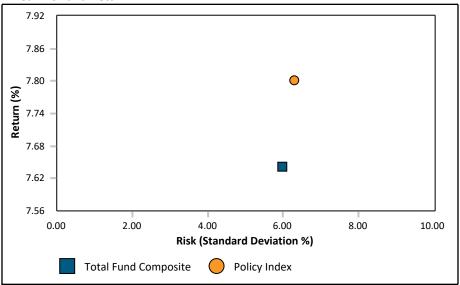
3 Year Risk and Return



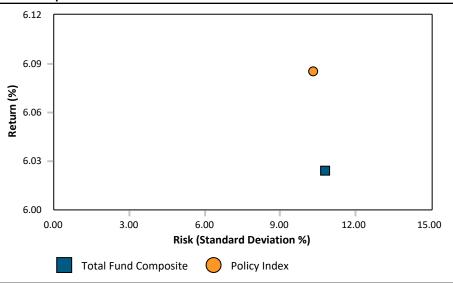
5 Year Risk and Return



7 Year Risk and Return



Since Inception Risk and Return



MPT Statistics

As of September 30, 2019

3 Year Historical MPT Statistics

	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha
Total Fund Composite	7.36	7.09	4.34	0.82	-0.46	0.88	0.99	0.94	0.09
Policy Index	7.75	7.53	4.56	0.83	N/A	0.00	1.00	1.00	0.00
90 Day U.S. Treasury Bill	1.54	0.38	0.00	N/A	-0.83	7.58	0.01	-0.01	1.58

5 Year Historical MPT Statistics

	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha
Total Fund Composite	6.22	6.43	4.04	0.83	-0.26	0.85	0.99	0.95	0.11
Policy Index	6.43	6.72	4.20	0.83	N/A	0.00	1.00	1.00	0.00
90 Day U.S. Treasury Bill	0.96	0.46	0.00	N/A	-0.83	6.72	0.00	0.00	0.95
, ,				,					

7 Year Historical MPT Statistics

	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha
Total Fund Composite	7.64	5.99	3.44	1.14	-0.20	0.86	0.98	0.94	0.28
Policy Index	7.80	6.30	3.57	1.12	N/A	0.00	1.00	1.00	0.00
90 Day U.S. Treasury Bill	0.70	0.44	0.00	N/A	-1.12	6.34	0.00	0.00	0.73

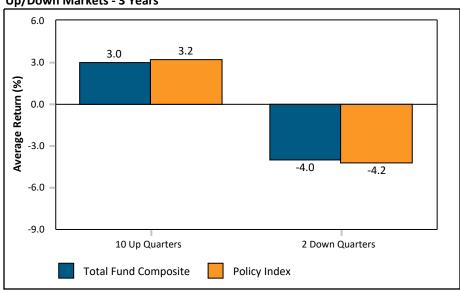
Since Inception Historical MPT Statistics

	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha	Inception Date
Total Fund Composite	6.02	10.79	6.74	0.43	-0.01	2.20	0.96	1.02	-0.15	10/01/1999
Policy Index	6.09	10.34	6.48	0.45	N/A	0.00	1.00	1.00	0.00	10/01/1999
90 Day U.S. Treasury Bill	1.77	0.96	0.00	N/A	-0.45	10.49	0.01	-0.01	1.85	10/01/1999

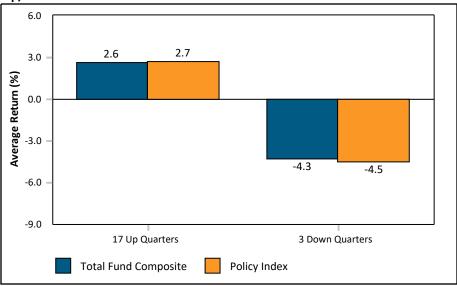
Market Capture Report

As of September 30, 2019

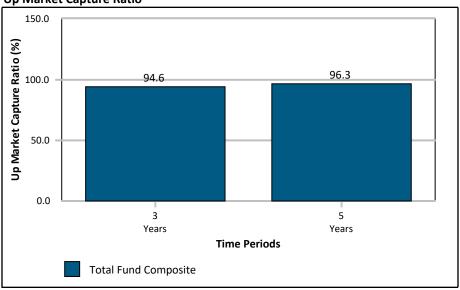
Up/Down Markets - 3 Years



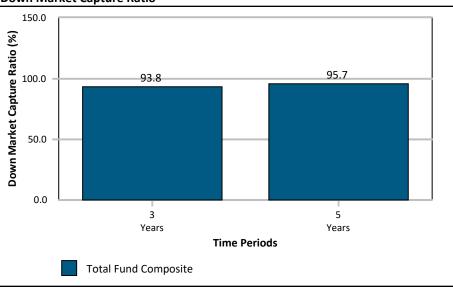




Up Market Capture Ratio







Liquidity Analysis

As of September 30, 2019

Investment	Initial Lock-up Period	Terms	Investment Date
IRM Core Bond Fund	None	Daily liquidity: requires 5 business days notice	Jul-00
Eaton Vance Trust CIT High Yield Fund	None	Daily Liquidity	Mar-18
Brandywine Global Opportunistic Fund	None	Daily liquidity: contributions require 24 hours notice; redemptions require 10 days notice	Jun-11
Wellington Opportunistic Investment Allocation Fund	None	Monthly contributions and/or redemptions with 30 days notice	Nov-10
PRIT Domestic Equity Account	None	Monthly liquidity for contributions and withdrawals on first business day; redemptions require 5 days notice	Jul-10
Columbia U.S. Contrarian Core Equity Fund	None	Monthly liquidity for contributions; withdrawals on first business day with wire T+10 business days; 30 days notice required	Jan-15
ee Munder Mid Cap Collective Fund	None	Daily liquidity for contributions and withdrawals, subject to T+1	Jan-15
Wellington Small Cap 2000 Portfolio	None	Monthly liquidity for contributions and withdrawals on first business day; notice by 22nd prior to month the flow occurs	Oct-99
Earnest Partners International Equity Fund	None	Monthly liquidity for contributions and withdrawals; 5 business days notice required	Aug-08
MFS Institutional International Equity Fund	None	Daily liquidity for contributions and withdrawals, subject to T+1	Dec-10
Acadian International Small Cap Fund	None	Daily liquidity for contributions and withdrawals, 7 business days requested	Feb-11
PRIT Real Estate Fund	None	Monthly liquidity for contributions and withdrawals on first business day; 5 days notice required	Jun-11
TA Realty Core Property Fund, LP	Reducing percentage over 3 year period	Quarterly liquidity for withdrawals on first business day; 45 days notice required.	Apr-18
American Strategic Value Realty Fund	One-year	Quarterly liquidity for withdrawals on first business day subject to liquidity restraints due to fund activity; 30 days notice required	Jul-18
FerraCap Partners IV	8 year term plus two one-year extension options	Not applicable	Aug-18
Arsenal Real Estate Fund I-A	In Extension	Not applicable	Apr-06
PRIT Hedge Funds	None	Quarterly liquidity for contributions and withdrawals on first business day; 30 days notice required	Jul-10
Auda Venture LP	In Extension	Not applicable	Dec-00
RCP Fund IV	Term expires 12/31/18 and is subject to three one-year extensions	Not applicable	Jan-07
PRIT Vintage Year Funds	Illiquid Generally 10-15 Years	Commitments must be made annually in December. Drawdowns occur monthly on first business day.	Apr-11

Summary of Private Equity Investments

As of September 30, 2019

Direct/Non-Core Real Estate¹

Investment	Commitment	Adjusted Commitment	Drawdowns to Date	% Drawn	Remaining Commitment	Distributions to Date	Ending Capital Balance	Notes on Fund Terms/Extensions
TerraCap Partners IV	\$1,000,000	N/A	\$1,000,000	100.0%	\$0	\$64,962	\$1,087,495	The fund was fully called on July 17, 2018 including \$58,438 in notional interest also due
Arsenal Real Estate Fund I-A	\$1,000,000	N/A	\$1,000,000	100.0%	\$0	\$296,196	\$44,935	The fund is winding down and the manager intends to sell the three remaining land investments in the near future.
Total Private Real Estate	\$2,000,000		\$2,000,000	100.0%	\$0	\$361,158	\$1,132,430	

Private Equity²

· ····acc =quity								
Investment	Commitment	Adjusted Commitment	Drawdowns to Date	% Drawn	Remaining Commitment	Distributions to Date	Ending Capital Balance	Notes on Fund Terms/Extensions
Auda Venture LP	\$3,000,000	\$3,000,000	\$2,205,000	73.5%	\$95,686	\$2,635,473	\$86,158	Fund in harvesting phase; term was recently extended to December 15, 2018.
RCP Fund IV	\$3,000,000	\$3,000,000	\$3,284,717	109.5%	\$0	\$6,116,537	\$413,380	Term expires December 31, 2018 and is subject to three one-year extensions.
PRIT VY Program ³								
PRIT Vintage 2011	\$1,500,000	\$1,372,500	\$1,224,562	81.6%	\$275,438	\$1,383,140	\$1,127,164	Illiquid: 10-15 time horizon
PRIT Vintage 2012	\$1,500,000	\$936,000	\$826,077	55.1%	\$673,923	\$607,690	\$971,380	Illiquid: 10-15 time horizon
PRIT Vintage 2013	\$1,500,000	\$1,141,688	\$984,227	65.6%	\$515,773	\$462,267	\$1,114,794	Illiquid: 10-15 time horizon
PRIT Vintage 2014	\$1,500,000	\$1,362,271	\$1,095,730	73.0%	\$404,270	\$410,780	\$1,366,289	Illiquid: 10-15 time horizon
PRIT Vintage 2015	\$2,000,000	\$1,644,330	\$1,292,821	64.6%	\$707,179	\$271,957	\$1,853,339	Illiquid: 10-15 time horizon
PRIT Vintage 2016	\$2,000,000	\$1,108,608	\$714,433	35.7%	\$1,285,567	\$78,624	\$693,524	Illiquid: 10-15 time horizon
PRIT Vintage 2017	\$3,000,000	\$3,104,284	\$894,704	29.8%	\$2,105,296	\$23,860	\$980,581	Illiquid: 10-15 time horizon
PRIT Vintage 2018	\$3,000,000	\$2,871,599	\$573,390	19.1%	\$2,426,610	\$54,057	\$516,972	Illiquid: 10-15 time horizon
PRIT Vintage 2019	\$3,500,000	\$2,655,373	\$237,111	6.8%	\$3,262,890	\$655	\$250,144	Illiquid: 10-15 time horizon
Total PRIT VY Program	\$19,500,000	\$16,196,652	\$7,843,055	40.2%	\$11,656,945	\$3,293,031	\$8,874,187	
Total Private Equity	\$25,500,000	\$22,196,652	\$13,332,772	52.3%	\$11,752,631	\$12,045,041	\$9,373,724	

¹Ending capital balances for Arsenal and TerraCap Partners IV are as of 3/31/19 and are adjusted for any capital activity during the current quarter.

DISCLOSURE: The figures on this page have been obtained from sources we deem to be reliable. FIA has not independently verified this information.

²Ending capital balances for Auda and RCP IV are reported on a quarter lag as of 6/30/19 and are adjusted for any capital activity in the current quarter. Undrawn capital for Auda Ventures will not be called; both funds are actively in the harvesting phase.

 $^{^{3}\}text{Ending}$ capital balances for PRIT VY Program assets are reported as of 9/30/2019.

As of September 30, 2019

MANAGER	TARGET ALLOCATION	MARKET VALUE	FEE SCHEDULE ²	ESTIMATED ANNUALIZED TOTALS ¹
RM Core Bond Fund	17.0%	36,457,278	0.28%	\$102,080
Eaton Vance Trust CIT High Yield Fund	2.5%	5,277,780	0.50% for accounts under \$75M	\$26,389
Brandywine Global Opportunistic Fixed Income	4.0%	8,313,149	0.45%	\$37,409
Wellington Opportunistic Investment Allocation ³	3.0%	6,118,961	0.65%	\$39,773
PineBridge Global Dynamic Asset Allocation	3.0%	6,029,459	0.75%	\$45,221
PRIT Domestic Equity	7.7%	16,027,790	0.10%	\$16,028
Columbia U.S. Contrarian Core Equity Private Fund	12.0%	25,768,663	0.50%	\$128,843
Lee Munder Mid Cap Core Collective Fund	5.5%	11,073,239	0.75% on first \$25 Mil; 0.70% on next \$25 Mil; 0.65% over \$50 Mil	\$83,049
Wellington Small Cap 2000 Portfolio ³	3.0%	6,223,788	0.90% on first \$25 Mil; 0.80% on next \$25 Mil; 0.70% on next \$50 Mil; negotiable thereafter	\$56,014
EARNEST Partners International Equity	8.6%	17,690,855	1.00%	\$176,909
MFS Institutional International Equity	8.60%	18,467,662	0.71%	\$131,120
Acadian International Small Cap Equity	2.60%	4,756,482	0.75%	\$35,674
PRIT Core Real Estate ⁴	7.0%	14,968,287	0.46%	\$68,854
TA Realty Core Property Fund, LP	1.5%	3,946,632	0.70%	\$27,626
American Strategic Value Realty Fund ⁵	1.0%	931,805	1.25% on first \$10 Mil; 1.20% on next \$15 Mil; 1.10% on next \$25 Mil; 1.00% thereafter	\$11,648
FerraCap Partners IV ⁶	0.5%	1,087,495	1.50%	\$16,312
Arsenal Real Estate Fund I-A ⁷	0.0%	44,935	1.00% on invested equity Estimate reflects approx. annualized fees based on 2Q19 fees paid	\$1,344
PRIT Hedge Funds ⁴	7.5%	15,691,514	1.25%	\$196,144
Auda Venture LP ⁸		86,158	1.00% on invested capital	\$862
RCP Fund IV ⁹	5.0%	413,380	0.75% of contributions Estimate reflects approx. annualized fees based on 2Q19 fees paid	\$2,316
PRIT Vintage Year Portfolios ⁴		8,874,187	1.00%	\$88,742
Average Weighted Investment Management Fee			0.62%	Approximately \$1,236,00

TA Realty, American Realty Advisors, TerraCap, Arsenal, Auda and RCP valued as of 6/30/19, adjusted for capital calls and distributions in the quarter.

Footnotes: ¹Estimated Annualized Totals does not include applicable incentive fees. ²Management fees for commingled funds may not include additional underlying fund expenses such as custody, audit, legal and administrative expenses that are typically deducted from the net asset value of the fund. ¹Wellington: Opportunistic Investment Allocation Fund fee structure changed to performance based with a lower base fee of 0.65% effective 1/1/2015; the maximum annual fee provided that the manager meets performance based objectives is the original fee of 1.10%; Wellington has waived minimum annual fee for the Small Cap 2000 portfolio. ⁴PRIT Investments reflect expense ratios as of most recent fiscal year end (FY 2018 CAFR) and will vary year-to-year depending on performance incentive fees paid out to managers. Fees for Vintage Year portfolios vary widely; the estimated fee of 1.00% is expected as the management fee over the life of the investments. ⁵American Strategic Value Realty Fund fee reflects base fee not including carried interest of 20% after 10% preferred return and 30% after 15% secondary preferred return. ⁷Arsenal Real Estate Fund I-A reflects annualized management fee paid in 1Q 2019 and excludes carried interest. ⁸Auda Ventures LP fee reflects base fee not including carried interest of 5% after 10% preferred return - management fee represents the estimated annual fee for 2018 and excludes underlying fund expenses; ⁸ROF Pund IV fee reflects estimated annual base fee, expenses and underlying fund fees based on fees paid during 2Q 2019 and excludes carried interest of 5% after 10% preferred return. Fund of fund fees are shown at the fund of fund level and may not include fees charged by underlying investment managers/funds.

DISCLOSURE: The figures on this page have been obtained from sources we deem to be reliable. FIA has not independently verified this information.

Issue RFP in next 12 months

Update as of October 2019

Asset Class	Style	Manager/Mandate	RFP Last Issued (Mo/Yr)	Most Recent IMA/Contract/Side Letter Date (Mo/Yr)	Current Length of Term (Yrs)	Current Term/Contract Expiration (Mo/Yr)	Status of Extensions	New Term/Contract Expiration (Mo/Yr)	Anticipated RFP/Search Date
Fixed Income	Core/Core Plus	IRM Core Bond Fund (CF)	Apr-14	Aug-14	5	July-19	2 Years	Jul-21	Jan-21
	High Yield	Eaton Vance Trust High Yield Fund (CF)	Jun-17	Feb-18	7	Feb-25	N/A	Feb-25	Aug-24
	Global Bonds	Brandywine Global Opportunistic Bond Fund (CF)	May-17	Jul-17	7	Jul-24	N/A	Jul-24	Jan-24
Domestic Equity	Core Equity	PRIT Domestic Equity Account	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Core Equity	Columbia Contrarian Core Equity Private Fund (CF)	Apr-14	Nov-14	5	Nov-19	2 Years	Nov-21	May-21
	Mid Cap	Lee Munder Mid Cap Core Collective Fund (CF)	Jan-18	Mar-18	7	Mar-25	N/A	Mar-25	Sep-24
	Small Cap	Wellington Small Cap 2000 Portfolio (CF)	Feb-17	Jul-17	7	Jul-24	N/A	Jul-24	Jan-24
International Equity	International Equity	Earnest Partners International Pooled Group Trust (CF)	Apr-14	Oct-14	5	Oct-19	2 Years	Oct-21	Apr-21
	International Equity	MFS Instl International Equity (MF)	Apr-14	Aug-14	5	Aug-19	2 Years	Aug-21	Feb-21
	International Small Cap	Acadian Int'l Small Cap (CF)	Feb-17	Jun-17	7	Jun-24	N/A	June-24	Dec-23
Asset Allocation	Asset Allocation	Wellington Opportunistic Investment Allocation (CF)	Jun-18	Nov-18	7	Nov-25	N/A	Nov-25	May-25
	Asset Allocation	PineBridge Global Dynamic Asset Allocation (CF)	Jun-18	Nov-18	7	Nov-25	N/A	Nov-25	May-25
Real Estate	Real Estate	PRIT Real Estate Account	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Real Estate	American Realty Advisors Strategic Value Realty	Dec-17	Jun-18	7	Jun-25	N/A	Jun-25	Dec-24
	Real Estate	TA Realty Core Property Fund	Sep-17	Mar-18	7	Mar-25	N/A	Mar-25	Sep-24
	Real Estate (Illiquid)	TerraCap Management TerraCap Partners IV	Dec-17	N/A	Closed End	N/A	N/A	N/A	N/A
	Real Estate (Winding Down)	Arsenal Real Estate	Illiquid Inherited	N/A	Closed End	N/A	N/A	N/A	N/A

Issue RFP in next 12 months

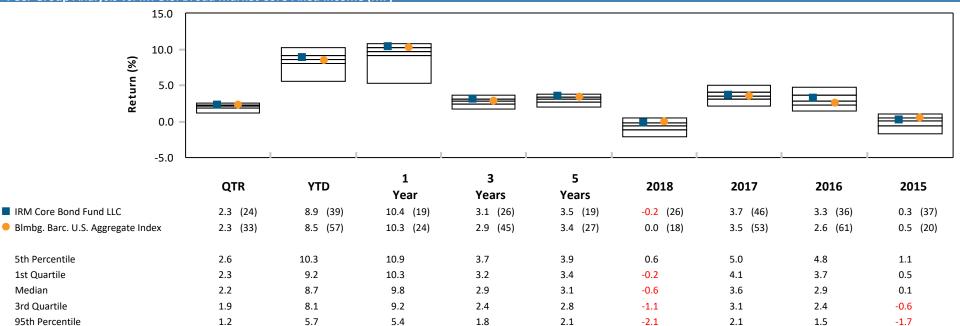
Update as of October 2019

Asset Class	Style	Manager/Mandate	RFP Last Issued (Mo/Yr)	Most Recent IMA/Contract/Side Letter Date (Mo/Yr)	Current Length of Term (Yrs)	Current Term/Contract Expiration (Mo/Yr)	Status of Extensions	New Term/Contract Expiration (Mo/Yr)	Anticipated RFP/Search Date
Hedge Funds	Hedge Funds	PRIT Hedge Funds Account	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Private Equity	Private Equity (Illiquid)	Auda Ventures LP	Illiquid Inherited	N/A	Closed End	N/A	N/A	N/A	N/A
	Private Equity (Illiquid)	RCP IV	Illiquid Inherited	N/A	Closed End	N/A	N/A	N/A	N/A
	Private Equity (Illiquid)	PRIT Vintage Year	N/A	N/A	Closed End	N/A	N/A	N/A	N/A
Other Investment Related Vendors	Custodian	People's United Bank	Apr-18	Nov-18	7	Nov-25	N/A	Nov-25	May-25
	Investment Consultant	Fiduciary Investment Advisors		Mar-15	5	Mar-20	N/A	March-20	Sep-19
	Actuarial Services	Sherman Actuarial Services		Dec-12	5	Dec-17	2 Years	December-19	Dec-19
	Legal Services	Attorney Thomas Gibson		Nov-18	7	Nov-25	N/A	Nov-25	May-25

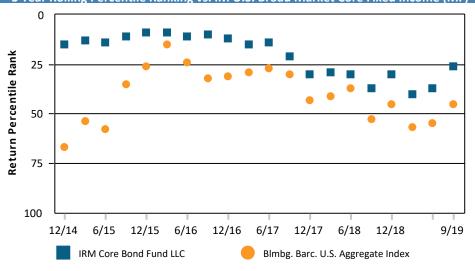
IRM Core Bond Fund LLC

As of September 30, 2019

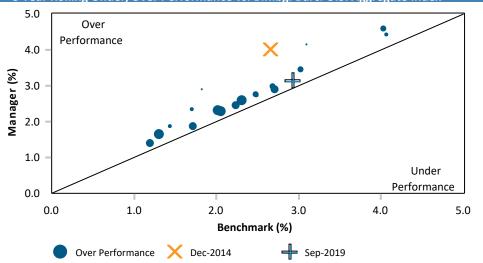
Peer Group Analysis vs. IM U.S. Broad Market Core Fixed Income (MF)



3 Year Rolling Percentile Ranking vs. IM U.S. Broad Market Core Fixed Income (MF)

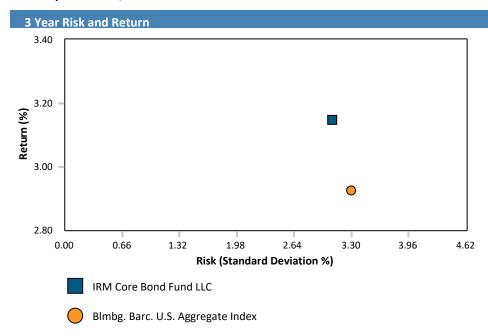


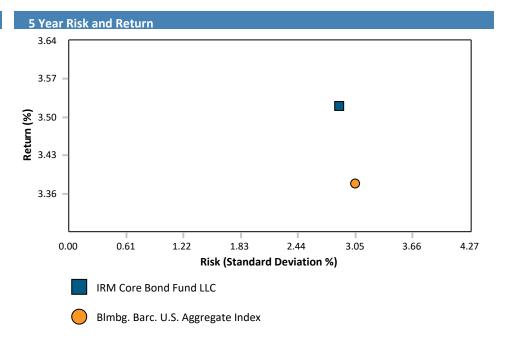
3 Year Rolling Under/Over Performance vs. Blmbg. Barc. U.S. Aggregate Index



IRM Core Bond Fund LLC

As of September 30, 2019





Sty	le Map - 3 Years							
	BC US Credit Index O		BC U.S. Government					
Capitalization	, , , , C							
Capit								
	O BC 1-3yr Gov/Credit		O BC U.S. Long Gov/Credit					
	Manager Style							
	Style History	Sep-2019	Average Style Exposure					

3	5
Years	Years
3.1	3.5
3.1	2.9
0.4	0.3
0.9	0.9
1.0	1.0
61.1	56.7
97.8	98.8
88.5	91.9
0.5	0.9
	Years 3.1 3.1 0.4 0.9 1.0 61.1 97.8 88.5

Income Research & Management As of 09/30/2019

Portfolio Information

Firm NameIncome Research & ManagementPortfolio ManagerTeam ManagedProduct NameCore Bond FundFund StyleFixed Income - Core

Portfolio Assets\$36,457,278Style BenchmarkBloomberg Barclays Aggregate Bond IndexInception Date10/1/2007

Portfolio Investment Policy

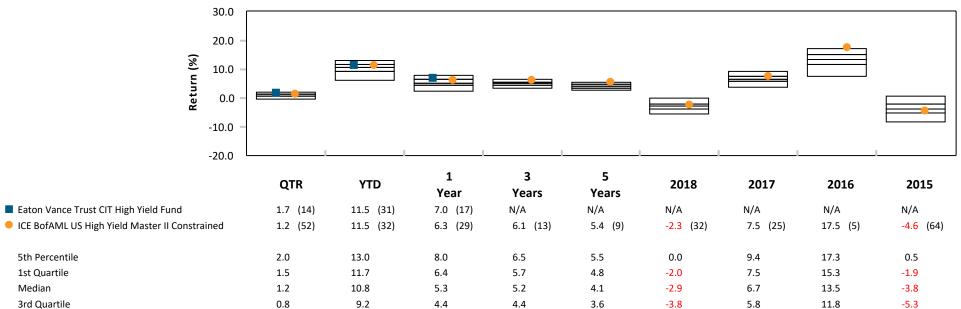
This fund invests in fixed income instruments, including government and agency issues, corporate issues, and asset-backed securities.

	Sector Weightings			Fixed Income Characteri	stics
		% of Portfolio			
reasury		20.4%	Maturity	less than 1 year	6.3%
Agency		3.7%		1 to 3 years	16.4%
inancials		10.2%		3 to 5 years	34.5%
ndustrials		3.2%		5 to 10 years	22.8%
Jtilities		18.3%		10 to 20 years	10.9%
Ion-Corporates		0.0%		Over 20 years	9.1%
Nortgage Backed		29.2%			
Asset Backed		7.4%			# of yrs
MBS		5.5%		Portfolio Average	8.34
⁄luni		1.8%		Duration at Quarter End	5.695516
Cash		0.4%			
		Credit Quality Allocati	ons		
	<u>Quality</u>	% of Port.		<u>Quality</u>	% of Port.
	AAA	65.4%		ВВ	0.6%
	AA	2.4%		В	0.0%
	Α	11.2%		Below B	0.0%
	ВВВ	20.5%		N/R	0.0%

95th Percentile

Eaton Vance Trust CIT High Yield Fund As of September 30, 2019

Peer Group Analysis vs. IM U.S. High Yield Bonds (MF)



2.5

3 Year Rolling Percentile Ranking vs. IM U.S. High Yield Bonds (MF)

25

100

12/14 6/15 12/15 6/16 12/16 6/17 12/17 6/18 12/18 9/19

Eaton Vance Trust CIT High Yield Fund

ICE BofAML US High Yield Master II Constrained

-0.3

6.2

3 Year Rolling Under/Over Performance vs. ICE BofAML US High Yield Master II

3.7

7.6

-8.3

-5.4

Not Enough Data.

2.6

3.4

Eaton Vance Trust High Yield Bond CIT As of 09/30/2019

Portfo		

Firm Name Eaton Vance Portfolio Manager Michael Weilheimer, Steve Concannon

Product Name Eaton Vance High Yield Bond Fund Style Commingled vehicle

Portfolio Assets \$5,277,780 Style Benchmark BofA Merrill Lynch U.S. High Yield Master II Constrained Index Inception Date 3/5/2018

Portfolio Investment Policy

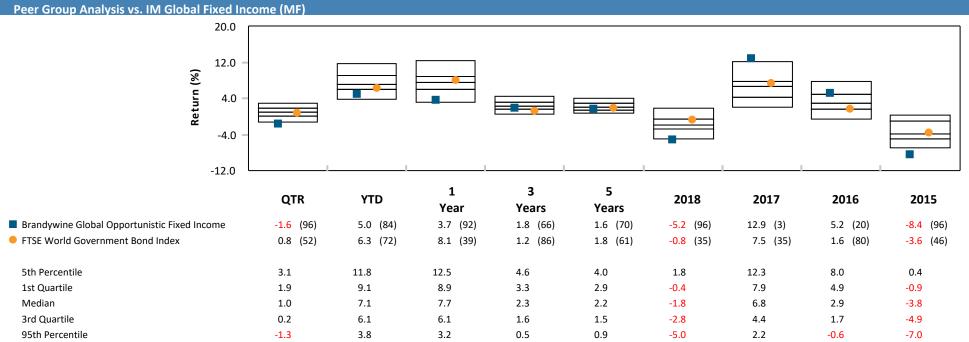
Eaton Vance seeks to identify opportunities as value changes in the market using a combination of bottom up research and a Market Factor analysis. Security selection is expected to drive the majority of excess returns over time. Analysts seek to identify credits with attractive return prospects per unit of risk. The research process centers on qualitative assessment, quantitative analysis, structural analysis, and relative value analysis. The Market Factor component begins with an overall macroeconomic assessment. Top down analysis seeks to identify optimal market biases and risk/return positioning to compliment bottom up research.

Sector Weightings			Fixed Income Characteristics			
	% of Portfolio					
Treasury	0.0%		Maturity	less than 1 year	2.7%	
Agency	0.5%			1 to 3 years	8.9%	
Financials	7.6%			3 to 5 years	25.8%	
Industrials	85.4%			5 to 10 years	59.8%	
Utilities	3.9%			10 to 20 years	1.7%	
Non-Corporates	0.0%			Over 20 years	1.0%	
Mortgage Backed	0.0%					
Asset Backed	0.0%				# of yrs	
CMBS	0.0%			Portfolio Average	5.73	
Muni	0.0%			Duration at Quarter End	2.61	
Cash	2.6%					

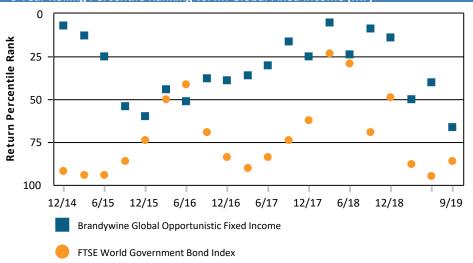
		Credit Quality Allocations		
Quality	% of Port.		<u>Quality</u>	% of Port.
AAA	2.6%		ВВ	49.5%
AA	0.0%		В	36.1%
Α	0.0%		Below B	6.2%
BBB	5.5%		N/R	0.1%

Average Quality = B1/B+

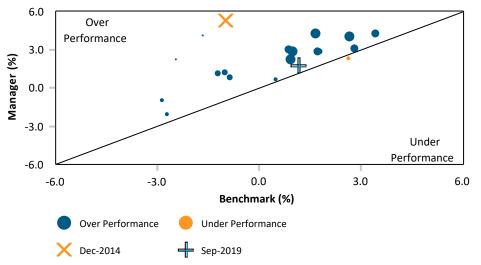
Brandywine Global Opportunistic Fixed Income As of September 30, 2019



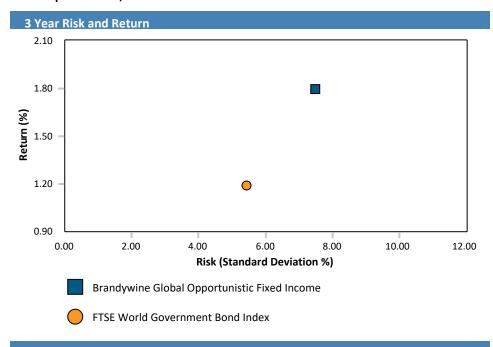


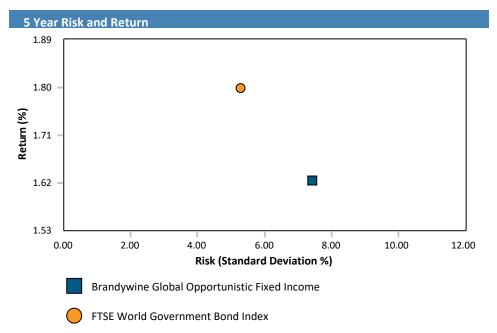


3 Year Rolling Under/Over Performance vs. FTSE World Government Bond Index



Brandywine Global Opportunistic Fixed Income As of September 30, 2019





Sty	le Map - 3 Years	
Capitalization	BC US Credit Index	BC U.S. Government
Capital	O BC 1-3yr Gov/Credit	O BC U.S. Long Gov/Credit
	Manage	er Style
	Style History Sep-2019	Average Style Exposure

	3	5
	Years	Years
Return	1.8	1.6
Standard Deviation	7.5	7.4
vs. FTSE World Government Bond Index		
Alpha	0.7	-0.1
Beta	1.0	1.0
R-Squared	0.5	0.5
Consistency	44.4	48.3
Up Market Capture	121.7	100.2
Down Market Capture	115.2	100.8
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	0.1	0.1

Brandywine Global Asset Management As of 09/30/2019

Portfolio Information			
Firm Name	Brandywine Global Asset Management	Portfolio Manager	Team Managed
Product Name	Brandywine Global Opportunistic Fund	Fund Style	Fixed Income - Global Bonds
Portfolio Assets		Style Benchmark	Citigroup World Government Bond Index
Inception Date	6/1/2011		

Portfolio Investment Policy

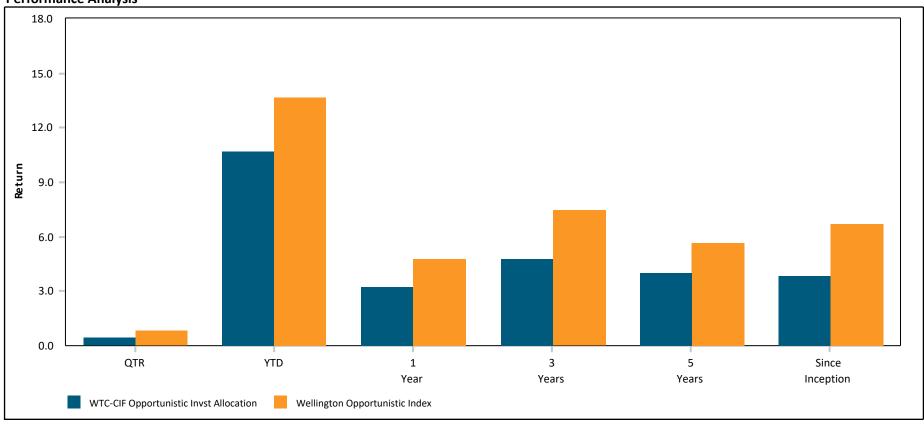
The Fund invests primarily in debt and fixed income securities of domestic and foreign issuers located in developed countries. The Fund considers any country that has a sovereign debt rating of A- or better from at least one nationally recognized statistical rating organization at the time of purchase to be a developed country. The Fund may opportunistically invest in high yield and emerging markets debt.

Se	ector Weightings					Fixed Income Characteristics	
		% of Portfolio					% of Portfolio
Treasury		85.4%			Maturity	less than 1 year	6.8%
Agency		4.0%				1 to 3 years	38.0%
Financials		4.0%				3 to 5 years	2.9%
Industrials		5.4%				5 to 10 years	20.4%
Utilities		0.0%				10 to 20 years	5.4%
Non-Corporates		-0.9%				Over 20 years	26.5%
Mortgage Backed		1.3%					
Asset Backed		0.0%					# of yrs
CMBS		0.0%				Portfolio Average	10.59
Muni		0.0%				Duration at Quarter End	5.87
Cash		0.8%					
			Credit Qu	uality Allocations			
	Quality	% of Port.				<u>Quality</u>	% of Port.
	AAA	45.7%				ВВ	8.9%
	AA	2.4%				В	0.8%
	Α	27.5%				Below B	0.0%
	BBB	14.5%				N/R	0.2%

Average Quality = A+

WTC-CIF Opportunistic Invst Allocation As of September 30, 2019

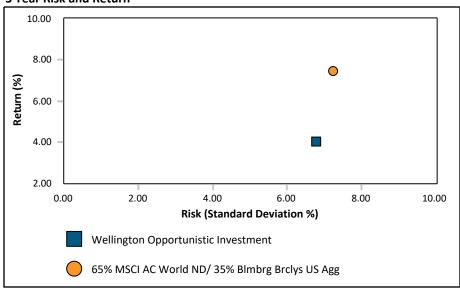
Performance Analysis



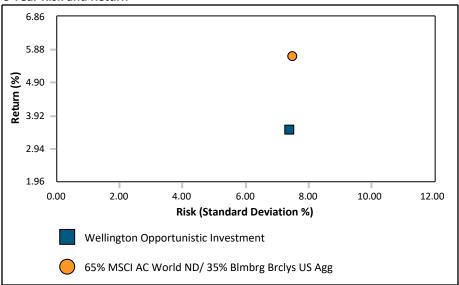
	QTR	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
WTC-CIF Opportunistic Invst Allocation	0.4	10.7	3.2	4.8	4.0	3.9	11/01/2010
Wellington Opportunistic Index	0.8	13.7	4.8	7.5	5.7	6.7	
Difference	-0.4	-3.0	-1.6	-2.7	-1.7	-2.8	
Difference	-0.4	-3.0	-1.0	-2.7	-1.7	-2.8	

Wellington Opportunistic Investment - Risk vs Return As of September 30, 2019

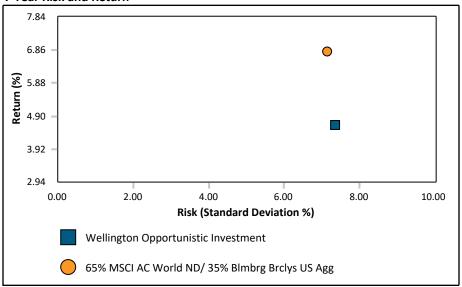
3 Year Risk and Return



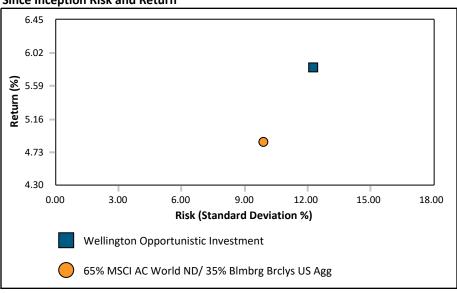
5 Year Risk and Return



7 Year Risk and Return



Since Inception Risk and Return



Returns for this exhibit are based on the investment composite gross returns from the manager, and then adjusted to reflect the stated management fee.

Wellington Opportunistic Investment - MPT Statistics As of September 30, 2019

3 Year Historical MPT Statistics

	Deviation	Risk	Ratio	Ratio	Error	R-Squared	Beta	Alpha
Wellington Opportunistic Investment 4.0	1 6.79	4.63	0.39	-1.16	2.86	0.84	0.86	-2.25
65% MSCI AC World ND/ 35% Blmbrg Brclys US Agg 7.4	6 7.24	4.68	0.82	N/A	0.00	1.00	1.00	0.00
90 Day U.S. Treasury Bill 1.5	4 0.22	0.00	N/A	-0.82	7.26	0.00	0.00	1.54

5 Year Historical MPT Statistics

	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha
Wellington Opportunistic Investment	3.49	7.42	4.90	0.37	-0.73	2.89	0.86	0.91	-1.59
65% MSCI AC World ND/ 35% Blmbrg Brclys US Agg	5.68	7.51	4.70	0.65	N/A	0.00	1.00	1.00	0.00
90 Day U.S. Treasury Bill	0.96	0.27	0.01	N/A	-0.65	7.50	0.00	0.00	0.95

7 Year Historical MPT Statistics

	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha
Wellington Opportunistic Investment	4.61	7.37	4.73	0.55	-0.75	2.76	0.86	0.96	-1.76
65% MSCI AC World ND/ 35% Blmbrg Brclys US Agg	6.81	7.16	4.31	0.86	N/A	0.00	1.00	1.00	0.00
90 Day U.S. Treasury Bill	0.70	0.25	0.01	N/A	-0.86	7.16	0.00	0.00	0.70
,				,					

Since Inception Historical MPT Statistics

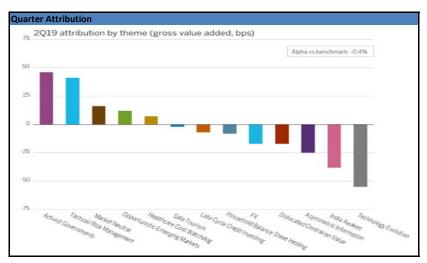
	Return	Standard Deviation	Downside Risk	Sharpe Ratio	Information Ratio	Tracking Error	R-Squared	Beta	Alpha	Inception Date
Wellington Opportunistic Investment	5.83	12.30	8.53	0.38	0.24	4.89	0.85	1.14	0.45	03/01/2000
65% MSCI AC World ND/ 35% Blmbrg Brclys US Agg	4.86	9.95	6.88	0.36	N/A	0.00	1.00	1.00	0.00	03/01/2000
90 Day U.S. Treasury Bill	1.70	0.55	0.01	N/A	-0.36	10.02	0.01	-0.01	1.74	03/01/2000

Returns for this exhibit are based on the investment composite gross return from the manager, and adjusted for the management fee.

Wellington Opportunistic Investment Allocation As of June 30, 2019

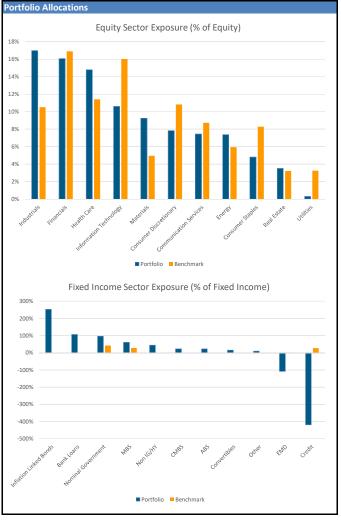
Portfolio Information	
Fund Style: Multi Asset Manager	Inception Date: April 2000
Firm AUM: \$1.1 TT	Strategy AUM: \$2.3 BB

Thematic Exposures			
	<u>Jun-19</u>	<u>Mar-19</u>	<u>Difference</u>
<u>Themes</u>			
Technology Evolution	13%	15%	-2%
Asia technology, automotive technology an	nd cellular infrastruct	ure build out	
Activist Governments	12%	18%	-6%
Inflation sensitive assets in response to cur	rency devaluation an	d monetary poli	icy
Household Balance Sheet Healing	3%	4%	-1%
The consumer balance sheet is robust and i	mortgage fundament	als are improvii	ng
Market Neutral	31%	26%	5%
Variety of market netural and long/short fi	xed income and equit	ty exposures.	
Opportunistic Emerging Markets Debt	7%	5%	2%
Structural improvement relative to develop	ed world drives spred	ad tightening	
India Awakes	6%	5%	1%
New government with active reform agend	la to increase produc	tivity and incom	e growth
Healthcare Watchdog	6%	5%	1%
Companies that will provide solutions for re	educed healthcare co.	sts, primarily HI	MOs
Late Cycle Credit Investing	7%	7%	0%
The global recovery and inflationary pressu	res will move rates h	igher over time	
Safe Tourism	0%	4%	-4%
A focus on companies in isolated regions w	here tourism is a larg	e part of GDP	
Dislocated Contrarian Value	8%	2%	6%
Non-U.S. value equities to capture the valu	e-growth performand	ce disparity	
Asymmetric Information	12%	0%	12%
Dislocations due to the rise of passive inves	ting and increased re	gulation	
Non-Thematic	17%	21%	-4%
Short-term opportunistic positions, speciali	st managers, risk ma	nagement	



Fund Investment Policy

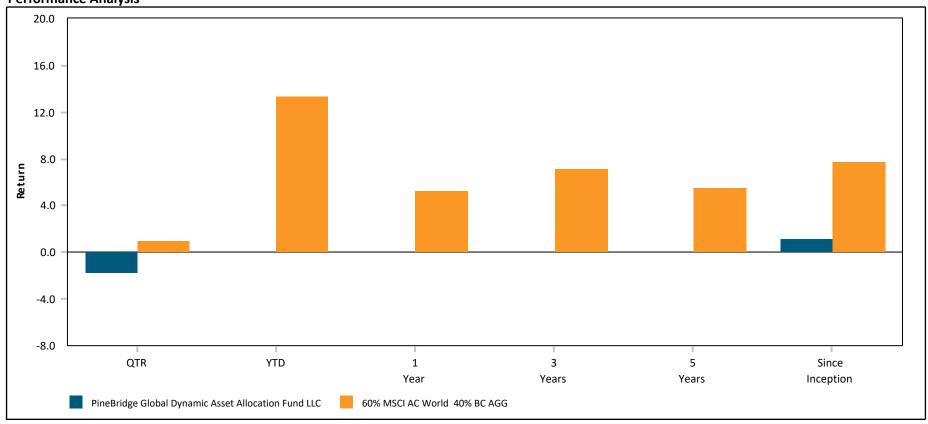
Wellington Opportunistic Investment seeks to provide concentrated exposure to Wellington's best asset allocation ideas in the equity and fixed income markets. Their themes can extend to a multi-year horizon which leads to long holding periods.



Source: Wellington

PineBridge Global Dynamic Asset Allocation Fund LLC As of September 30, 2019

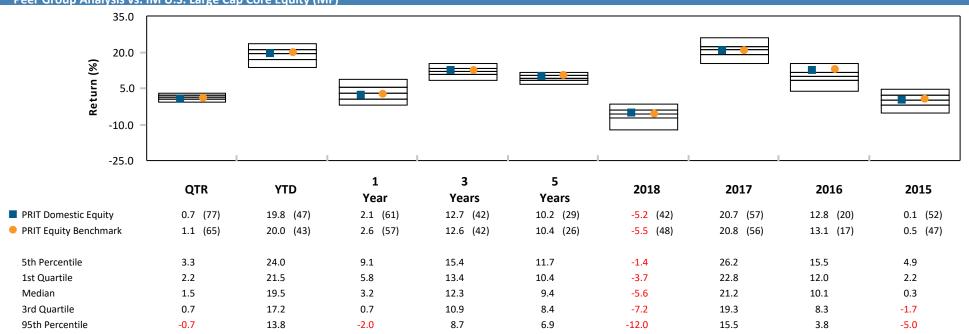
Performance Analysis



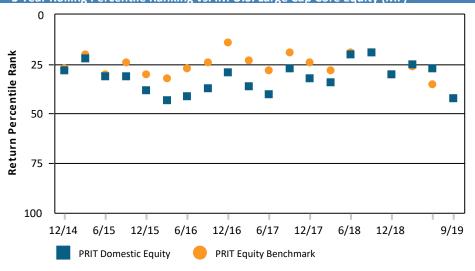
	QTR	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
PineBridge Global Dynamic Asset Allocation Fund LLC	-1.8	N/A	N/A	N/A	N/A	1.2	02/01/2019
60% MSCI AC World 40% BC AGG	0.9	13.3	5.3	7.1	5.5	7.7	
Difference	-2.7	N/A	N/A	N/A	N/A	-6.5	

PRIT Domestic Equity As of September 30, 2019

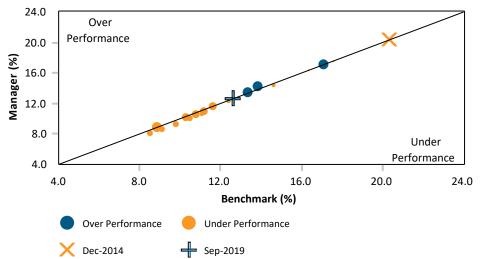




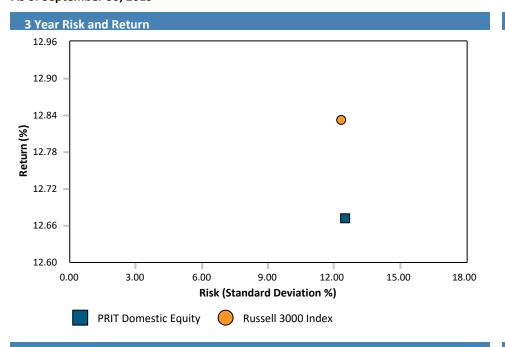
3 Year Rolling Percentile Ranking vs. IM U.S. Large Cap Core Equity (MF)

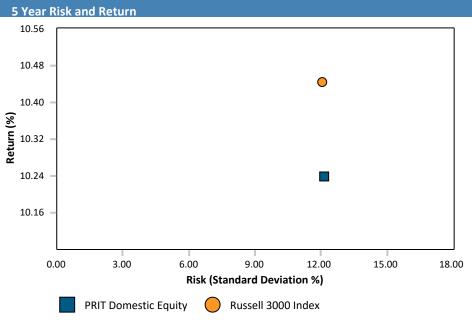


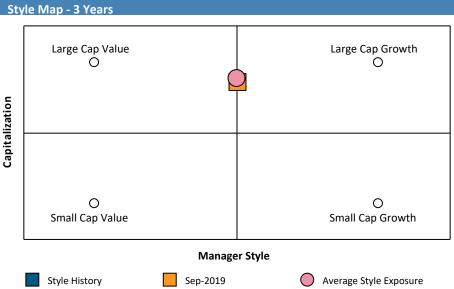
3 Year Rolling Under/Over Performance vs. PRIT Equity Benchmark



PRIT Domestic Equity As of September 30, 2019







	2 5						
	3	5					
	Years	Years					
Return	12.7	10.2					
Standard Deviation	12.5	12.2					
vs. Russell 3000 Index							
Alpha	-0.3	-0.3					
Beta	1.0	1.0					
R-Squared	1.0	1.0					
Consistency	50.0	53.3					
Up Market Capture	99.8	99.5					
Down Market Capture	100.8	100.6					
vs. 90 Day U.S. Treasury Bill							
Sharpe Ratio	0.9	0.8					

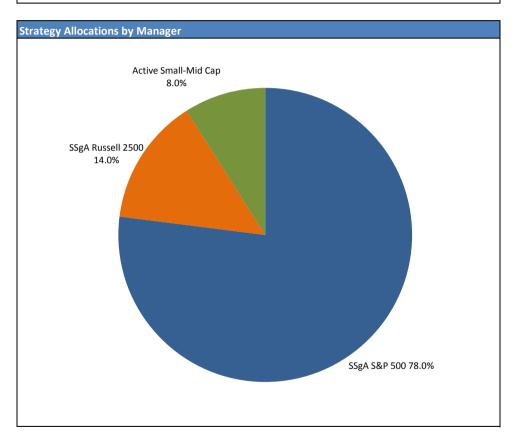
PRIT Domestic Equity Account As of September 30, 2019

Portfolio Information

Fund Style: U.S. Core Equity

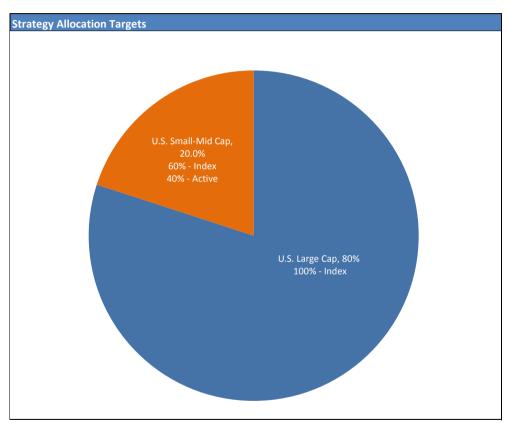
AUM: \$13.7 Bn

Inception Date: February 1985
Percent of PRIT Fund: 19.1%



Fund Investment Policy

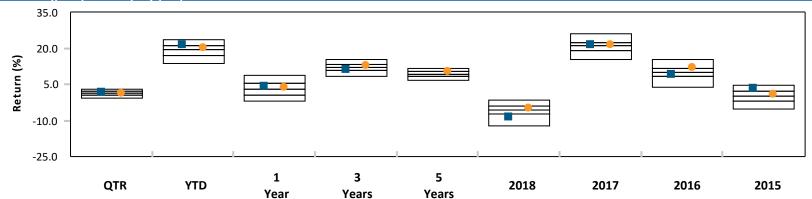
PRIM is seeking to generate returns that are slightly better than the blended benchmark through an allocation to active management for a portion of the Small to Mid Cap allocation.



Columbia US Contrarian Core Equity Fund

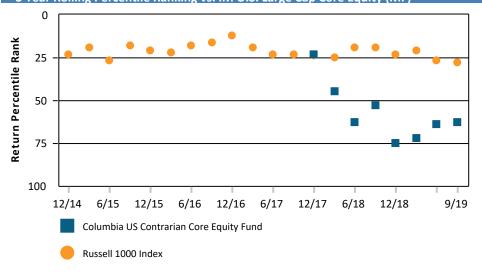
As of September 30, 2019

Peer Group Analysis vs. IM U.S. Large Cap Core Equity (MF)

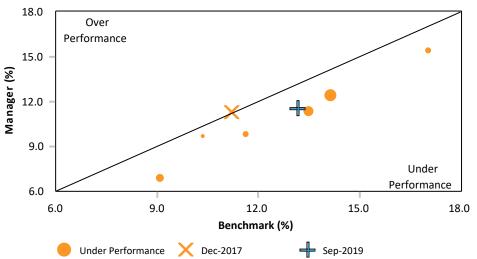


	∩TD	OTP VTD		_	_	2018	2017	2016	2015
	QTR	YTD	Year	Years	Years	2016	2017	2010	2015
Columbia US Contrarian Core Equity Fund	2.0 (30)	21.9 (20)	4.4 (37)	11.5 (63)	N/A	-8.3 (86)	21.7 (40)	9.3 (62)	3.5 (11)
Russell 1000 Index	1.4 (53)	20.5 (36)	3.9 (43)	13.2 (28)	10.6 (19)	-4.8 (36)	21.7 (41)	12.1 (25)	0.9 (40)
5th Percentile	3.3	24.0	9.1	15.4	11.7	-1.4	26.2	15.5	4.9
1st Quartile	2.2	21.5	5.8	13.4	10.4	-3.7	22.8	12.0	2.2
Median	1.5	19.5	3.2	12.3	9.4	-5.6	21.2	10.1	0.3
3rd Quartile	0.7	17.2	0.7	10.9	8.4	-7.2	19.3	8.3	-1.7
95th Percentile	-0.7	13.8	-2.0	8.7	6.9	-12.0	15.5	3.8	-5.0

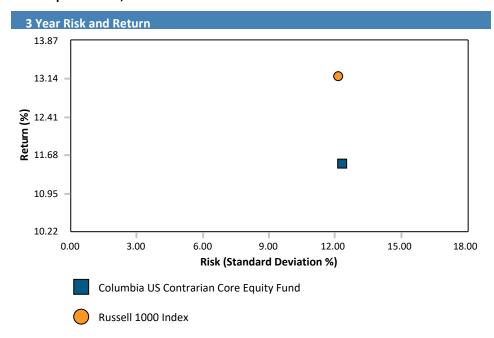


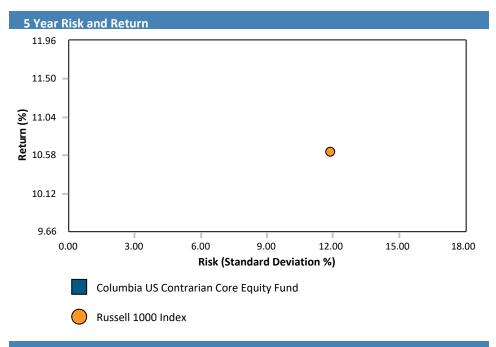


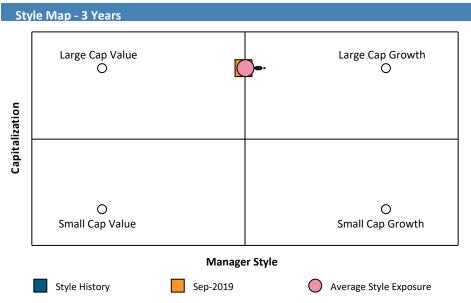
3 Year Rolling Under/Over Performance vs. Russell 1000 Index



Columbia US Contrarian Core Equity Fund As of September 30, 2019







	3	5
	Years	Years
Return	11.5	N/A
Standard Deviation	12.3	N/A
vs. Russell 1000 Index		
Alpha	-1.5	N/A
Beta	1.0	N/A
R-Squared	1.0	N/A
Consistency	50.0	N/A
Up Market Capture	96.4	N/A
Down Market Capture	105.6	N/A
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	0.8	N/A

Columbia Management Contrarian U.S. Core Equity Fund As of 09/30/2019

Portfolio Information

Firm Name Columbia Management

Product NameColumbia U.S. Contrarian Core Equity Fund

Portfolio Assets \$25.8 million Inception Date 1/1/2015

Portfolio Manager Team Managed

PM Tenure -

Fund StyleLarge Cap CoreStyle BenchmarkS&P 500 Index

Portfolio Investment Policy

The Columbia U.S. Contrarian Core Equity Fund seeks to achieve a total return consisting of long-term capital appreciation and current income. The Fund invests primarily in large cap stocks of U.S. companies that have the potential for long-term growth and current income. The minimum market capitalization guideline is \$2 billion. The manager employs fundamental research combined with quantitative analysis and risk management to construct portfolios.

	Largest Equity Holdings						
	Stock	% of Portfolio					
1.	Microsoft	5.8					
2.	Apple	4.2					
3.	Berkshire Hathaway-Cl B	4.1					
4.	Amazon.com	3.1					
5.	JP Morgan Chase	3.1					
6.	Medtronic	3.0					
7.	Comcast	2.9					
8.	Mastercard - A	2.9					
9.	Citigroup	2.7					
10.	Chevron	2.4					

	Largest Contributors & Detract	ors
Contributors	% of Portfolio	Bps Contribution
Apple	4.2	0.50
Medtronic	3.0	0.35
Northrop Grumman	2.1	0.30
AT&T	2.1	0.27
Alphabet-Cl C	2.3	0.26
Detractors	% of Portfolio	Bps Contribution
Amazon.com	3.1	-0.29
EOG Resources	1.2	-0.26
Pfizer	1.1	-0.23
Anthem	0.7	-0.20
Facebook -Class A	1.3	-0.14

			Sector Weightings		
<u>Sector</u>	Port. Wt.	Bmk Wt.	<u>Sector</u>	Port. Wt.	Bmk Wt.
Communication Services	13.8%	9.8%	Industrials	6.3%	9.7%
Consumer Discretionary	8.7%	10.3%	Materials	25.0%	22.0%
Consumer Staples	5.7%	7.0%	Real Estate	3.9%	2.8%
Energy	5.0%	4.3%	Technology	1.4%	4.0%
Financials	13.7%	13.2%	Utilities	1.0%	3.4%
Health Care	11.7%	13.3%	Cash	3.8%	0.0%

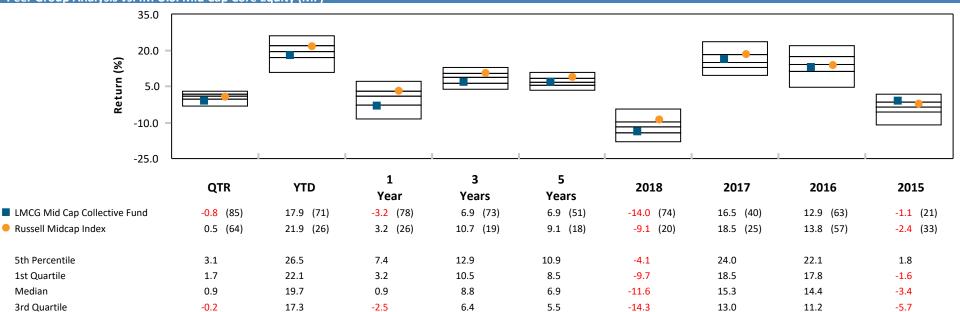
LMCG Mid Cap Collective Fund

As of September 30, 2019

Median

95th Percentile

Peer Group Analysis vs. IM U.S. Mid Cap Core Equity (MF)



3.4

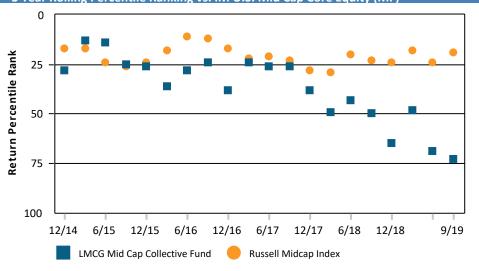
4.1

3 Year Rolling Percentile Ranking vs. IM U.S. Mid Cap Core Equity (MF)

-3.1

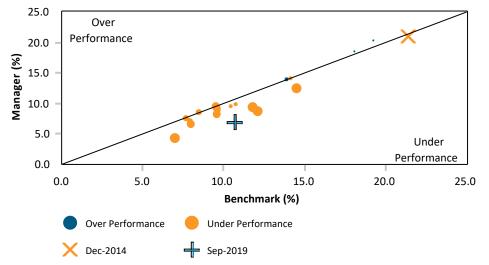
11.1

-8.5



3 Year Rolling Under/Over Performance vs. Russell Midcap Index

-18.0



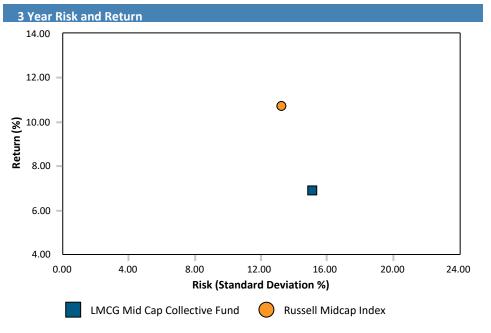
9.9

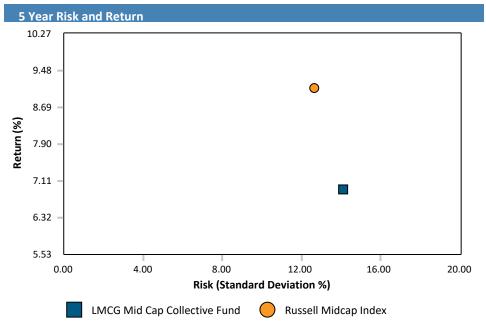
4.6

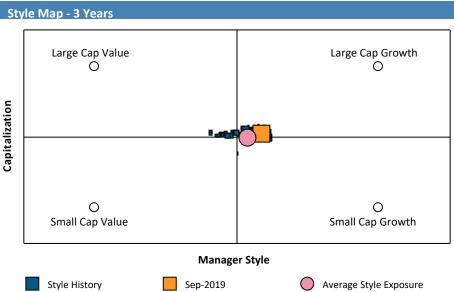
-10.9

LMCG Mid Cap Collective Fund

As of September 30, 2019







MPT Statistics vs. Russell Midca		
	3	5
	Years	Years
Return	6.9	6.9
Standard Deviation	15.1	14.1
vs. Russell Midcap Index		
Alpha	-4.5	-2.7
Beta	1.1	1.1
R-Squared	1.0	1.0
Consistency	38.9	46.7
Up Market Capture	96.3	99.3
Down Market Capture	119.7	114.3
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	0.4	0.5

Lee Munder Capital Group - Mid Cap Core Collective Fund As of 09/30/2019

Portfolio Information

Firm Name Lee Munder Capital Group

Product Name Mid Cap Core Collective Fund

Portfolio Assets\$11,073,239Fund StyleMid Cap Core EquityInception Date6/1/2011Style BenchmarkRussell MidCap Index

Portfolio Investment Policy

Lee Munder's Mid Cap Core investment process emphasizes mid cap companies with higher return on capital, free cash flow and strong balance sheets. Many of the portfolio's companies have dominant positions in a niche area within their industries.

Portfolio Manager

Team based

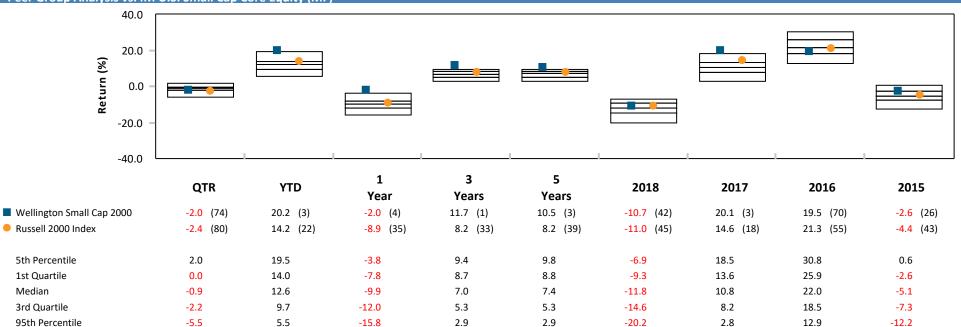
Largest Equity Holdings			Largest Contributors & Detractors			
	<u>Stock</u>	% of Portfolio	<u>Contributors</u>	% of Portfolio	Bps Contribution	
1.	Encompass Health Corporation	2.6	MACOM Technology Solutions Hold	1.7	0.55	
2.	Fidelity National Information Services, Inc.	2.2	LKQ Corporation	1.8	0.32	
3.	Synopsys, Inc.	2.1	Dollar General Corporation	1.7	0.30	
4.	LKQ Corporation	2.0	Evergy, Inc.	1.8	0.20	
5.	MACOM Technology Solutions Holdings, Inc.	1.9	Fidelity National Information Servic	2.3	0.18	
6.	Evergy, Inc.	1.9	<u>Detractors</u>	% of Portfolio	Bps Contribution	
7.	NiSource Inc.	1.8	Merit Medical Systems, Inc.	0.8	-0.48	
8.	Dollar General Corporation	1.8	PTC, Inc.	1.5	-0.43	
9.	Marriott Vacations Worldwide Corporation	1.8	Mimecast Limited	1.4	-0.40	
10.	DTE Energy Company	1.8	Boingo Wireless, Inc.	0.7	-0.36	
			Berry Global Group Inc.	1.1	-0.34	

			Sector Weightings		
<u>Sector</u>	Port. Wt.	Bmk Wt.	<u>Sector</u>	Port. Wt.	Bmk Wt.
Communication Services	1.9%	4.1%	Industrials	8.0%	13.7%
Consumer Discretionary	12.6%	11.5%	Materials	7.7%	5.2%
Consumer Staples	7.9%	4.1%	Real Estate	7.0%	10.1%
Energy	1.8%	3.9%	Technology	16.1%	17.2%
Financials	11.6%	13.3%	Utilities	7.9%	7.2%
Health Care	14.8%	9.8%	Cash	2.7%	0.0%

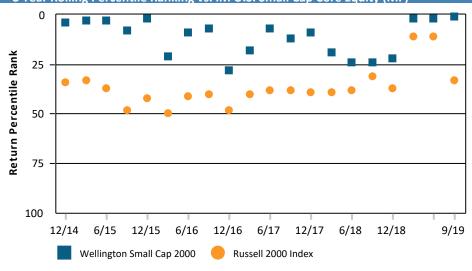
Wellington Small Cap 2000

As of September 30, 2019

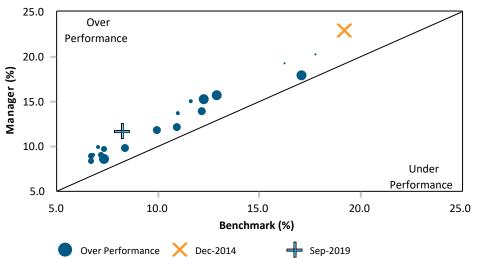




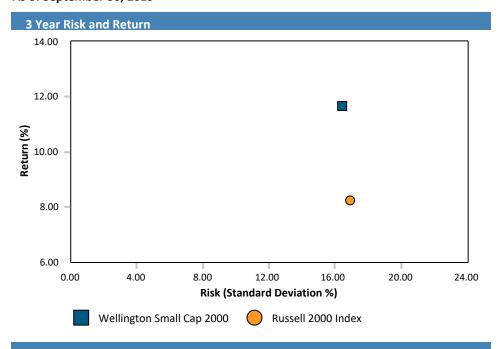
3 Year Rolling Percentile Ranking vs. IM U.S. Small Cap Core Equity (MF)

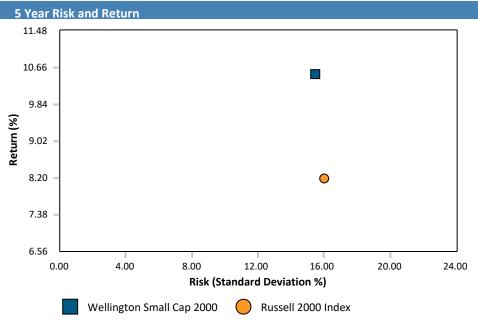


3 Year Rolling Under/Over Performance vs. Russell 2000 Index



Wellington Small Cap 2000 As of September 30, 2019





Sty	Style Map - 3 Years								
Capitalization	Large Cap Value		Large Cap Growth						
Capital	O Small Cap Value		Small Cap Growth						
		Manage	er Style						
	Style History	Sep-2019	Average Style Exposure						

MPT Statistics vs. Russell 2000 Index						
	3	5				
	Years	Years				
Return	11.7	10.5				
Standard Deviation	16.5	15.5				
vs. Russell 2000 Index						
Alpha	3.5	2.5				
Beta	1.0	1.0				
R-Squared	1.0	1.0				
Consistency	63.9	55.0				
Up Market Capture	102.6	99.1				
Down Market Capture	86.4	86.5				
vs. 90 Day U.S. Treasury Bill						
Sharpe Ratio	0.7	0.7				

Wellington Management - Small Cap 2000 Portfolio As of 06/30/2019

Portfolio Information

Firm Name	Wellington Management	Portfolio Manager	Mark Mandell, Cheryl Duckworth, Camilla Martin
Product Name	Small Cap 2000 Portfolio	PM Tenure	Average: 17 Years
Portfolio Assets		Fund Style	Small Cap Core Equity
Inception Date	10/1/1999	Style Benchmark	Russell 2000 Index

Portfolio Investment Policy

The investment objective of the Small Cap 2000 Portfolio is to achieve long-term total return in excess of the Russell 2000 Index by focusing on adding value through superior security selection. The Portfolio invests in equity securities of US companies, emphasizing those that have above-average potential for capital appreciation.

L	Largest Equity Holdings		Largest Contributors & Detractors			
<u>Stock</u>	% of Portfolio	Contributors	% of Portfolio	Bps Contribution		
 National Storage Aff 	1.7	TopBuild Corp	1.7	0.39		
TopBuild Corp	1.7	Skyline Champ Corp	0.8	0.27		
3. PS Business Pks Inc	1.5	Itron Inc	0.9	0.25		
4. TriNet Group Inc	1.4	G1 Therapeutics Inc	0.4	0.19		
5. Performance Food Grp	1.3	Globant SA	0.5	0.18		
6. Trupanion Inc	1.2	<u>Detractors</u>	% of Portfolio	Bps Contribution		
7. Allete Inc	1.2	Array Biopharma Inc	0.0	0.00		
8. Granite Construction	1.1	Cardtronics PLC	0.6	-0.19		
Rexford Indus Realty	1.1	Green Plains Inc	0.3	-0.18		
10. MGIC Investment Corp	1.1	Edgewell Personal Ca	0.0	-0.20		
		Axcelis Technologies	0.4	-0.14		

Sector Weightings						
<u>Sector</u>	Port. Wt.	Bmk Wt.	<u>Sector</u>	Port. Wt.	Bmk Wt.	
Communication Services	1.8%	3.0%	Industrials	12.8%	15.3%	
Consumer Discretionary	11.1%	11.7%	Materials	4.9%	3.8%	
Consumer Staples	4.2%	2.7%	Real Estate	10.1%	7.5%	
Energy	2.9%	3.3%	Technology	14.7%	15.3%	
Financials	18.6%	17.6%	Utilities	3.1%	3.9%	
Health Care	15.9%	15.9%	Cash	0.0%	0.0%	

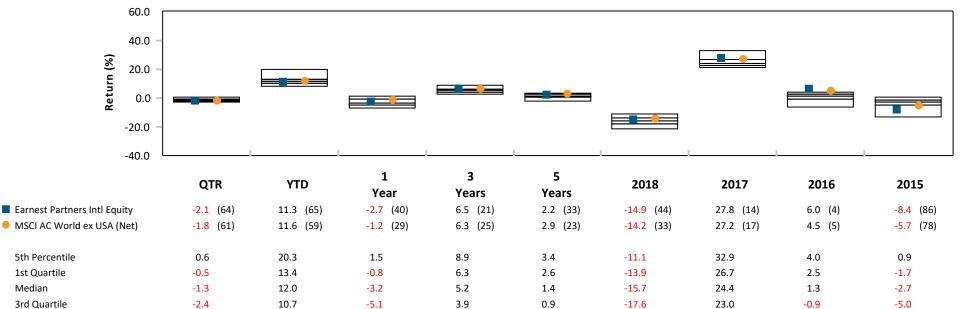
Earnest Partners Intl Equity

As of September 30, 2019

Median

95th Percentile

Peer Group Analysis vs. IM International Large Cap Core Equity (MF)



-2.3

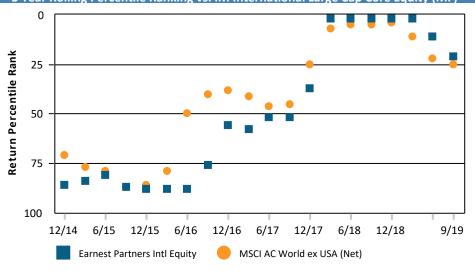
2.8

3 Year Rolling Percentile Ranking vs. IM International Large Cap Core Equity (MF)

8.3

-6.6

-2.9



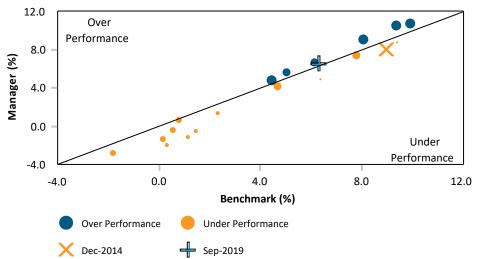
3 Year Rolling Under/Over Performance vs. MSCI AC World ex USA (Net)

21.4

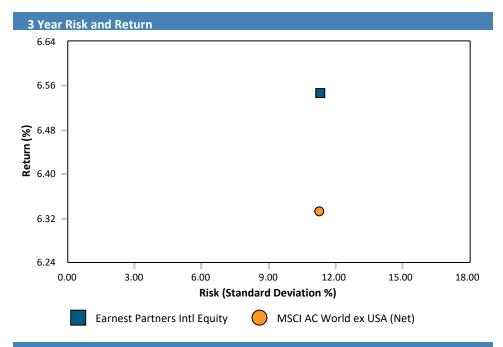
-6.5

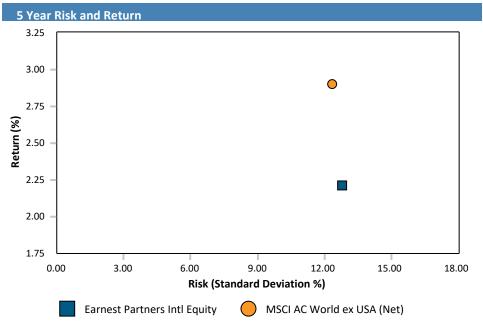
-13.3

-21.6



Earnest Partners Intl Equity As of September 30, 2019





St	yle Map - 3 Years		
Capitalization	MSCI World ex USA Value		MSCI World ex USA Growth
	O MSCI World ex US in LC	Manager	O MSCI World ex US Small Cap
	_		- Style
	Style History	Sep-2019	Average Style Exposure

	3	5
	Years	Years
Return	6.5	2.2
Standard Deviation	11.4	12.8
vs. MSCI AC World ex USA (Net)		
Alpha	0.3	-0.7
Beta	1.0	1.0
R-Squared	1.0	1.0
Consistency	55.6	55.0
Up Market Capture	97.1	99.2
Down Market Capture	93.9	103.1
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	0.5	0.2

Mutual fund data sourced from Lipper Analytical Services.

EARNEST Partners - International Pooled Group Trust As of September 30, 2019

Portfolio Information

Firm NameEarnest PartnersPortfolio ManagerTeam basedProduct NameInternational Pooled Group TrustPM TenureAverage 20 Years

Strategy Assets\$17.7 MillionFund StyleInternational ex-U.S. EquityInception Date8/1/2008Style BenchmarkMSCI ACWI ex-U.S. Index

Portfolio Investment Policy

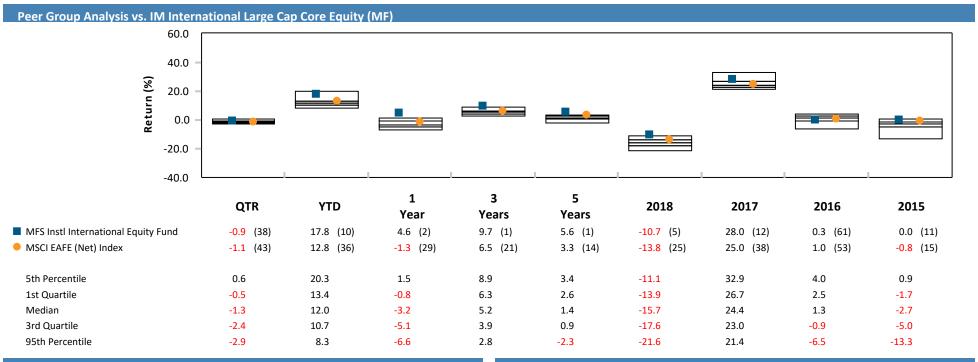
Earnest Partners seeks to outperform the benchmark while controlling volatility and risk. Security selection is driven by the firm's proprietary screening took - Return Pattern Recognition, fundamental analysis and risk management. The Fund typically holds up to 30% in Emerging Markets. The manager uses a statistical approach referred to as downside deviation to measure and constrain the likelihood of underperforming the assigned benchmark.

Largest Equity Holdings		Largest Contributors & Detractors / Country Weightings				
	Stock	Portfolio Wt.	Top Contributors	Portfolio Wt.	Bottom Contributors	
1	ICON Plc	4.1%				
2	Amadeus IT Group SA Class A	2.9%				
3	Diageo Plc	2.9%		Data not available from manager.		
4	Taiwan Semiconductor Manufacturing Co., Ltd.	2.6%				
5	Novartis AG Sponsored ADR	2.5%				
6	NICE Ltd Sponsored ADR	2.4%	Country	Portfolio Wt.	Benchmark Wt.	
7	Secom Co., Ltd.	2.3%	Americas (ex US)	6.7%	7.0%	
8	Roche Holding Ltd.	2.3%	Asia (ex Japan)	3.6%	8.2%	
9	Everest Re Group, Ltd.	2.2%	Europe (ex UK)	39.7%	31.8%	
10	DNB ASA	<u>2.2%</u>	Japan	7.3%	16.5%	
		26.4%	Middle East/Africa	4.1%	0.4%	
			United Kingdom	11.3%	10.3%	
			Emerging Markets	27.4%	25.9%	

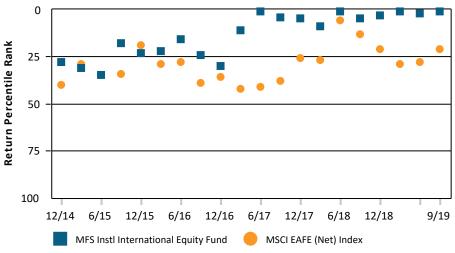
		Sector Weightings			
Sector	Port. Wt.	Bmk Wt.	<u>Sector</u>	Port. Wt.	Bmk Wt.
Communication Services	2.8%	6.8%	Industrials	5.9%	11.9%
Consumer Discretionary	11.5%	11.4%	Information Technology	15.8%	8.9%
Consumer Staples	9.1%	10.2%	Materials	9.5%	7.3%
Energy	5.4%	6.7%	Real Estate	1.9%	3.2%
Financials	23.9%	21.6%	Utilities	0.0%	3.5%
Health Care	14.2%	8.5%			

MFS Instl International Equity Fund

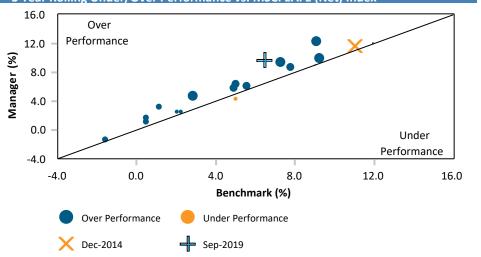
As of September 30, 2019



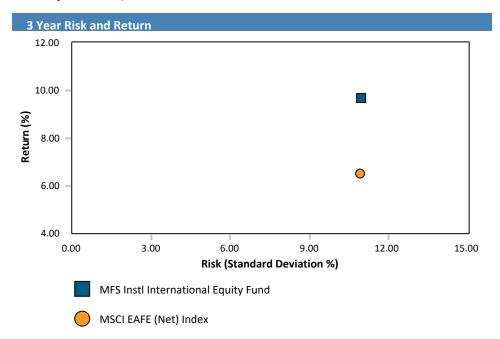


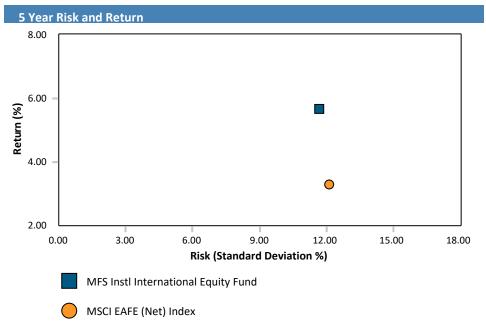


3 Year Rolling Under/Over Performance vs. MSCI EAFE (Net) Index



MFS Instl International Equity Fund As of September 30, 2019





St	yle Map - 3 Years		
Capitalization	MSCI World ex USA Value		MSCI World ex USA Growth
Capital	O MSCI World ex US in LC		O MSCI World ex US Small Cap
		Manage	er Style
	Style History	Sep-2019	Average Style Exposure

	3	5
	Years	Years
Return	9.7	5.6
Standard Deviation	11.0	11.7
vs. MSCI EAFE (Net) Index		
Alpha	3.3	2.5
Beta	1.0	0.9
R-Squared	0.9	0.9
Consistency	55.6	51.7
Up Market Capture	105.3	101.1
Down Market Capture	84.4	86.7
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	0.8	0.4

MFS Instl International Equity Fund

Report Date September 30, 2019

Mutual Fund Information

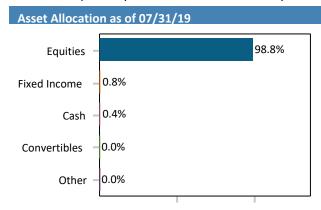
Fund Name : MFS Institutional Trust: MFS Institutional International Equity Fund Portfolio Assets : \$10,288 Million Fund Family : MFS Investment Management Fund Assets : \$10,288 Million

Ticker: MIEIX Portfolio Manager: Ling/Benzinho Inception Date: 01/31/1996 PM Tenure: 2009--2016

Portfolio Turnover: 14%

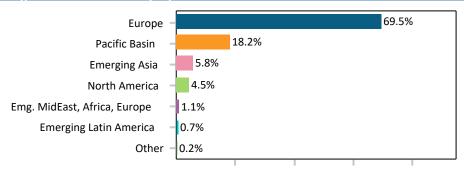
Fund Investment Policy

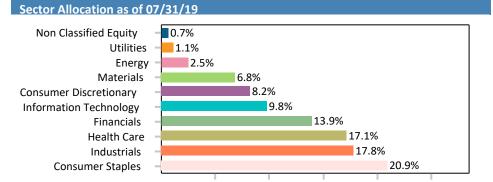
The Fund seeks capital appreciation. The Fund normally invests at least 80% of its net assets in non-U.S. equity securities. The Fund uses a bottom-up investment approach. Stocks are selected primarily based on fundamental analysis of issuers and their potential.



Top 10 Securities as of 07/31/19		Top 5 Countries as of 07/31	L/19
Nestle SA ORD	4.4 %	France	16.2 %
AIA Group Ltd ORD	3.0 %	United Kingdom	14.0 %
Roche Holding AG Par	2.9 %	Japan	14.0 %
Schneider Electric SE ORD	2.7 %	Switzerland	13.8 %
Air Liquide SA ORD	2.7 %	Germanv	9.6 %
SAP SE ORD	2.6 %	Equity Characteristics as of	07/31/19
Hoya Corp ORD	2.6 %	Total Securities	78
LVMH Moet Hennessy Louis Vuitton	2.3 %	Avg. Market Cap	\$77,354 Million
Beiersdorf AG ORD	2.2 %	P/E	26.8
Canadian National Railway Co ORD	2.2 %	P/B	4.7
, , , , , , , , , , , , , , , , , , , ,	,.	Div. Yield	2.6%
		Annual EPS	5.7

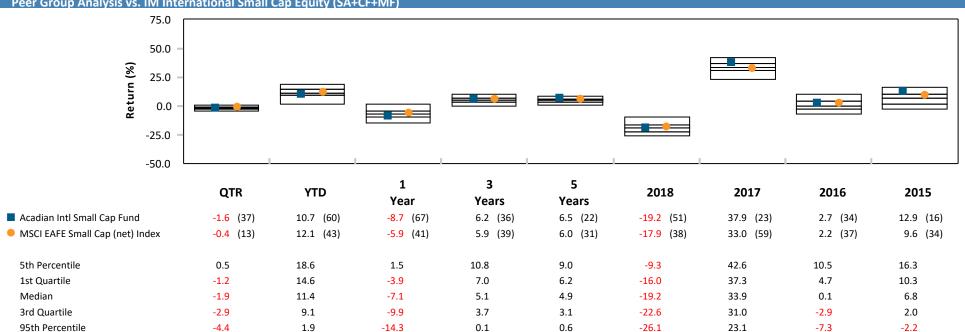
Region Allocation as of 07/31/19



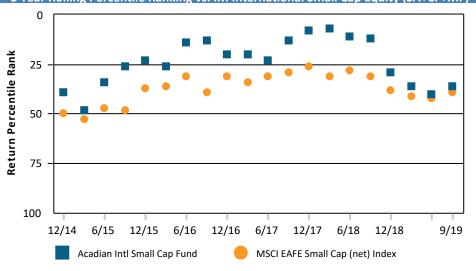


Acadian Intl Small Cap Fund As of September 30, 2019

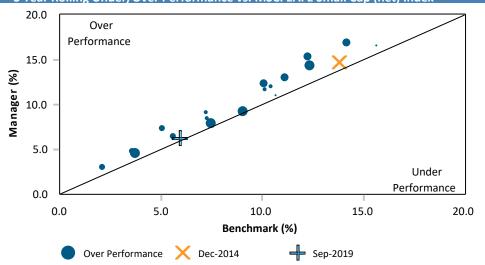
Peer Group Analysis vs. IM International Small Cap Equity (SA+CF+MF)



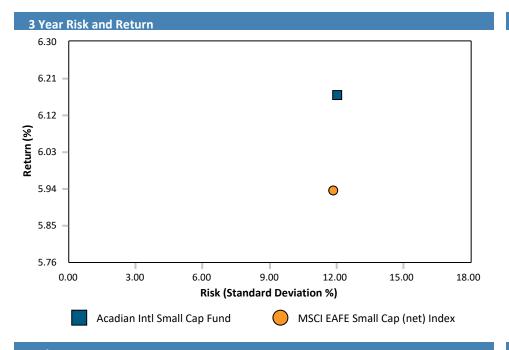
3 Year Rolling Percentile Ranking vs. IM International Small Cap Equity (SA+CF+MF)

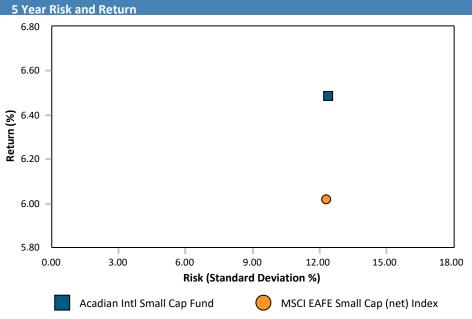


3 Year Rolling Under/Over Performance vs. MSCI EAFE Small Cap (net) Index



Acadian Intl Small Cap Fund As of September 30, 2019





St	yle Map - 3 Years			
	MSCI World ex USA Value		М	SCI World ex USA Growth
Capitalization	O MSCI World ex US in LC		MS	CCI World ex US Small Cap
		Manage	er Style	_
	Style History	Sep-2019	\circ	Average Style Exposure

	3	5
	Years	Years
Return	6.2	6.5
Standard Deviation	12.1	12.4
vs. MSCI EAFE Small Cap (net) Index		
Alpha	0.3	0.6
Beta	1.0	1.0
R-Squared	1.0	1.0
Consistency	55.6	55.0
Up Market Capture	96.8	99.9
Down Market Capture	93.5	96.5
vs. 90 Day U.S. Treasury Bill		
Sharpe Ratio	0.4	0.5

Mutual fund data sourced from Lipper Analytical Services.

Acadian Asset Management - Acadian International Small Cap Fund As of 06/30/2019

Portfolio Information

Firm NameAcadian Asset ManagementPortfolio ManagerTeam basedProduct NameAcadian International Small Cap FundPM TenureAverage 14 Years

Strategy Assets\$ 1,267,994,477.86Fund StyleInternational Small Cap EquityInception Date2/1/2011Style BenchmarkMSCI EAFE Small Cap Index

Portfolio Investment Policy

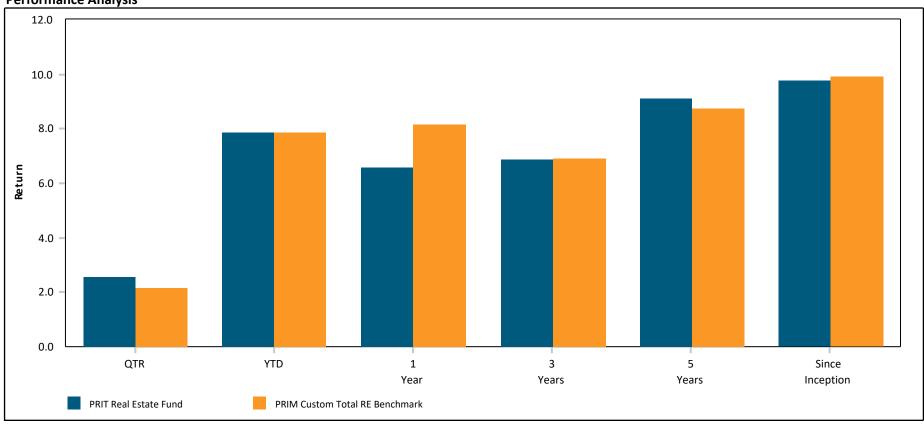
Acadian uses a quantitative investment process, aimed at isolating companies that are poised to benefit from value, growth, quality and technical factors. The firm uses the model to predict the expected relative performance of each investment in its universe. Portfolio optimization is used to construct a balanced, risk-controlled portfolio within 4-7% tracking error, and +/- 5% industry/country constraints. The fund may hold up to 20% of assets in securities located in Emerging Markets.

	Largest Equity H	oldings		Largest Contributors & Detractors / Country Weightings					
	<u>Stock</u>	Active Weight	Top Contributors	Portfolio Wt.	Bottom Contributors	Portfolio Wt.			
1.	ISRAEL DISC BK LTD CL A	2.0%	ISRAEL DISCOUNT BANK LTD	1.9%	UBISOFT ENTERTAINMENT SA	1.2%			
2.	OZ MINERALS LTD SHS	1.3%	INFOCOM CORP	0.8%	SWEDISH ORPHAN BIOVITRUM AB	0.8%			
3	UBI SOFT ENTMNT SA MONTREUIL ACT	1.4%	BARCO NV	0.8%	OZ MINERALS LTD	1.4%			
4	NET ONE SYSTEMS CO NPV	1.3%	NIHON UNISYS LTD	0.8%	DNO ASA	0.5%			
5	ICON PLC SHS	1.2%	ICON ORD SHS	1.3%	BIESSE SPA	0.2%			
6	EVRAZ PLC LONDON SHS	1.0%							
7	TIS INC. NPV	1.1%		Portfolio Wt.	Benchmark Wt.				
8	SWEDISH ORPHAN BIOVITRUM AB SHS	0.8%	Europe ex UK	34.1%	39.5%				
9	VENTURE CORPORATION LTD SHS	0.9%	UK	13.0%	18.0%				
10	MICHAEL PAGE INTL PLC SHS	0.8%	Asia ex Japan	13.6%	12.6%				
			Japan	33.8%	29.9%				
			North America	4.4%	0.0%				
			Emerging Markets	0.1%	0.0%				

		Sector Weightings			
<u>Sector</u>	Port. Wt.	Bmk Wt.	<u>Sector</u>	Port. Wt.	Bmk Wt.
Consumer Discretionary	15.2%	12.4%	Industrials	16.0%	21.5%
Consumer Staples	2.3%	6.3%	Information Technology	15.7%	9.4%
Energy	3.2%	2.7%	Materials	10.1%	8.6%
Financials	10.0%	10.9%	Comm Services	4.9%	5.1%
Real Estate	7.2%	13.1%	Utilities	2.0%	2.4%
Health Care	12.5%	7.6%			

PRIT Real Estate Fund As of September 30, 2019

Performance Analysis



	QTR	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
PRIT Real Estate Fund	2.5	7.9	6.6	6.9	9.1	9.8	06/01/2011
PRIM Custom Total RE Benchmark	2.2	7.9	8.2	6.9	8.7	9.9	
Difference	0.3	0.0	-1.6	0.0	0.4	-0.1	

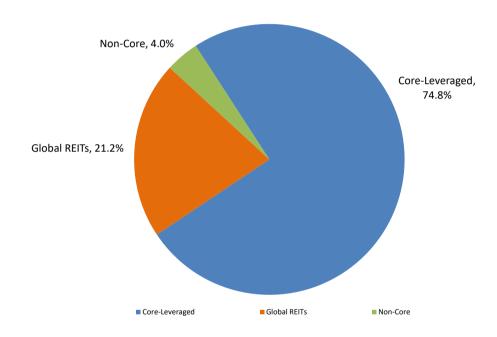
PRIT Real Estate Account

Portfolio Information

Fund Style: Real Estate - combined

PRIT Real Estate as percentage of PRIT Fund: 9.4%

Target Allocations



Fund Investment Policy

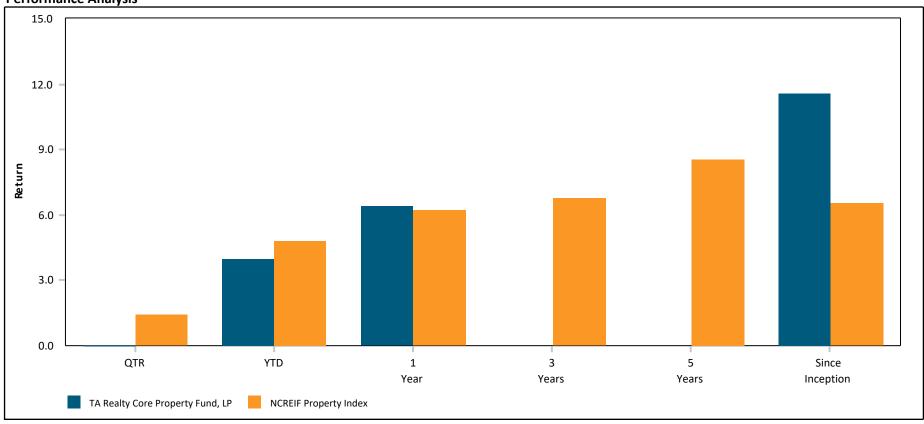
The PRIT Real Estate Account provides diversified exposure to the commercial real estate market through exposure to physical assets and public securities. Approximately 70% of the portfolio is invested in separate account core portfolios with Invesco, LaSalle, and AEW. The Core portfolio includes portfolio debt of approximately \$1 billion. The portfolio also includes dedicated allocations to Global REIT portfolios managed by CenterSquare, Presima, and Brookfield. Non-Core portfolio investments of approximately \$300 million include allocations with Carlyle Group and DivcoWest. Townsend serves as Real Estate Consultant to the PRIM Board.

Active Core Global REITs
Invesco, LaSalle CenterSquare
AEW Presima
Brookfield

Non-Core
Carlyle Group
DivcoWest

TA Realty Core Property Fund, LP As of September 30, 2019

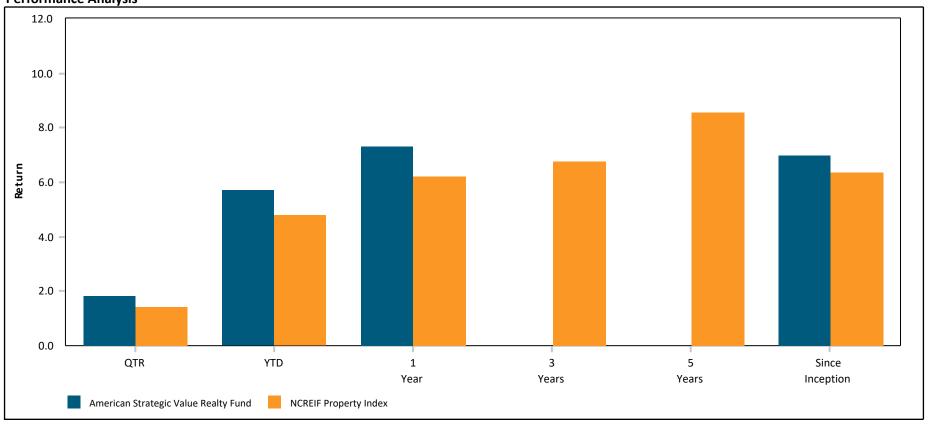
Performance Analysis



	QTR	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
TA Realty Core Property Fund, LP	0.0	4.0	6.4	N/A	N/A	11.6	04/01/2018
NCREIF Property Index	1.4	4.8	6.2	6.8	8.6	6.5	
Difference	-1.4	-0.8	0.2	N/A	N/A	5.1	

American Strategic Value Realty Fund As of September 30, 2019

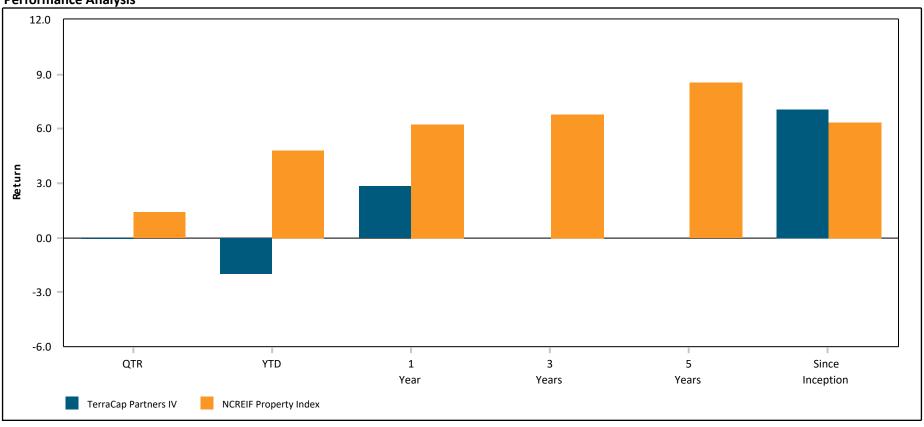
Performance Analysis



	QTR	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
American Strategic Value Realty Fund	1.8	5.7	7.3	N/A	N/A	7.0	07/01/2018
NCREIF Property Index	1.4	4.8	6.2	6.8	8.6	6.4	
Difference	0.4	0.9	1.1	N/A	N/A	0.6	
Difference	0.4	0.9	1.1	N/A	N/A	0.6	

TerraCap Partners IV
As of September 30, 2019

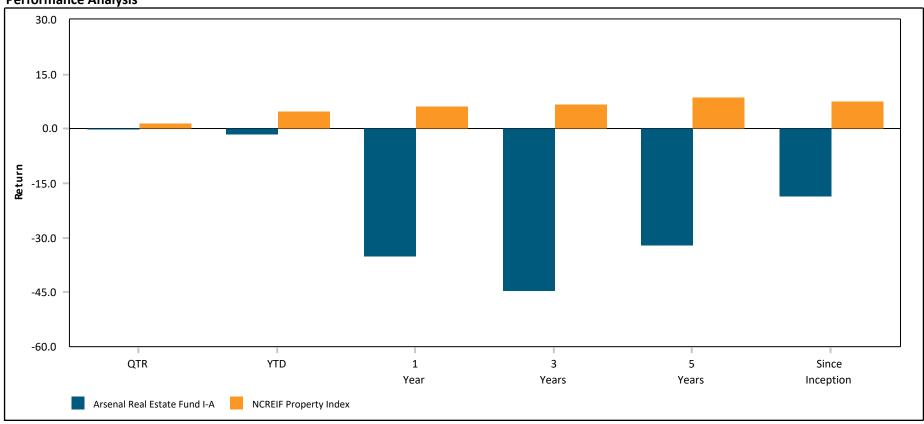




	QTR	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
TerraCap Partners IV	0.0	-2.0	2.8	N/A	N/A	7.1	07/01/2018
NCREIF Property Index	1.4	4.8	6.2	6.8	8.6	6.4	
Difference	-1.4	-6.8	-3.4	N/A	N/A	0.7	

Arsenal Real Estate Fund I-A As of September 30, 2019

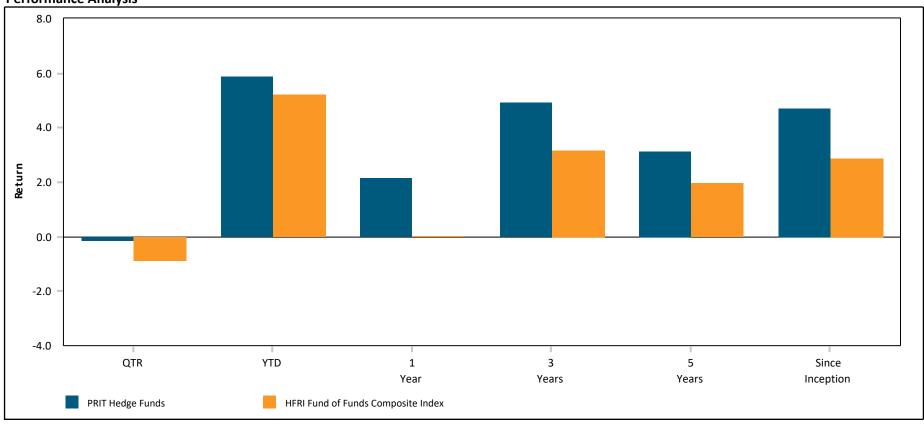




-1.5	-35.0	-44.5	-31.9	-18.4	04/01/2006
4.8	6.2	6.8	8.6	7.4	
-6.3	-41.2	-51.3	-40.5	-25.8	

PRIT Hedge Funds
As of September 30, 2019



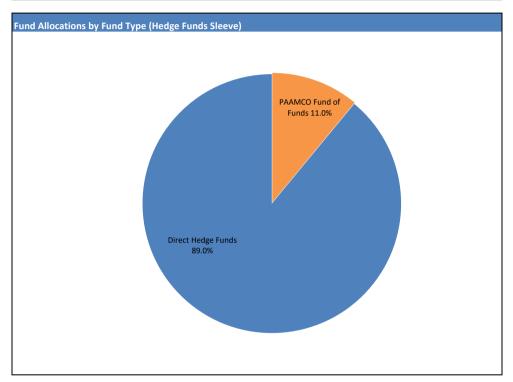


	QTR	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
PRIT Hedge Funds	-0.2	5.9	2.1	4.9	3.1	4.7	07/01/2010
HFRI Fund of Funds Composite Index	-0.9	5.2	0.0	3.2	1.9	2.9	
Difference	0.7	0.7	2.1	1.7	1.2	1.8	

PRIT Hedge Funds

Portfolio Information

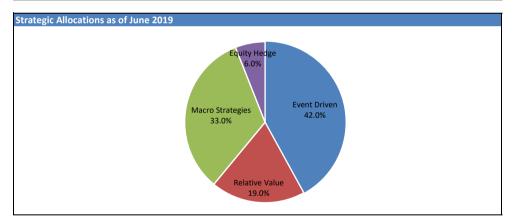
Fund Style: Direct and Fund of Funds Inception Date: July 2004
PRIT Fund AUM: \$74.8 Bn as of 6/30/19 Hedge Funds as % of PRIT Fund: 10.0%



Fund Investment Policy

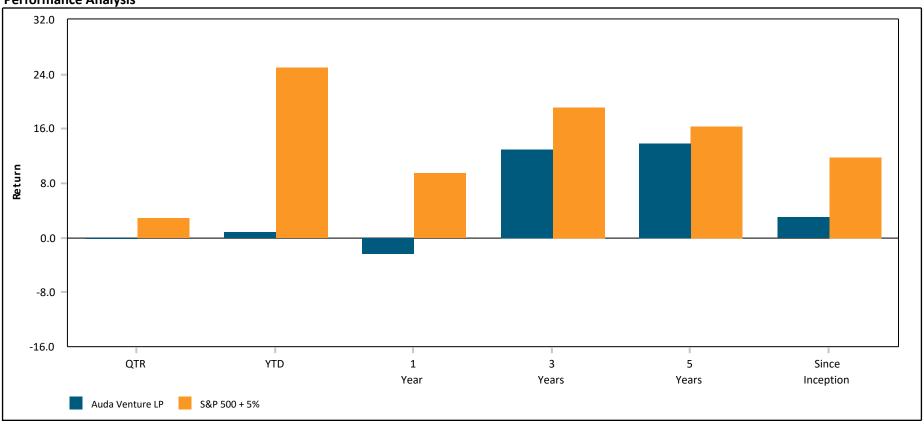
The PRIT Hedge Funds allocation seeks to generate attractive long term absolute performance. This is accomplished via direct hedge funds and a fund of funds tasked with generating returns independent of the direction of the broader markets. The PRIM Board has transitioned the portfolio from a fund of funds structure to one that is predominantly direct hedge funds with a long-term target of 85% of assets in direct investments. The active fund of funds mandate with PAAMCO is focused on emerging managers. PRIM is currently working to migrate hedge fund assets to PRIM's dedicated managed account platform. Other initiatives include an alternative beta analysis framework, a hedge fund replication strategy and position based portfolio risk monitoring.

Effective February 2017, the PRIM Board approved plans to merge the Portfolio Completion Strategy allocation with the Hedge Funds allocation for a combined target a risk reducing "PCS" allocation of 13.0%. Other mandates in the allocation include risk premia strategies, real assets and an equity hedge overlay. Hedge Funds, as a sleeve which includes the fund of fund and direct allocations, will continue to be available for local systems to invest through segmentation.



Auda Venture LP As of September 30, 2019

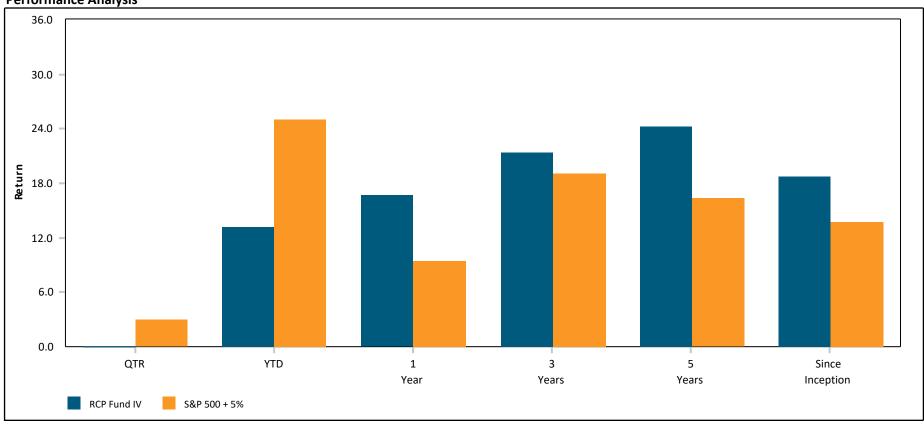




	QTR	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
Auda Venture LP	0.0	0.8	-2.3	13.0	13.9	3.0	12/01/2000
S&P 500 + 5%	2.9	25.0	9.5	19.1	16.4	11.8	
Difference	-2.9	-24.2	-11.8	-6.1	-2.5	-8.8	

RCP Fund IV As of September 30, 2019

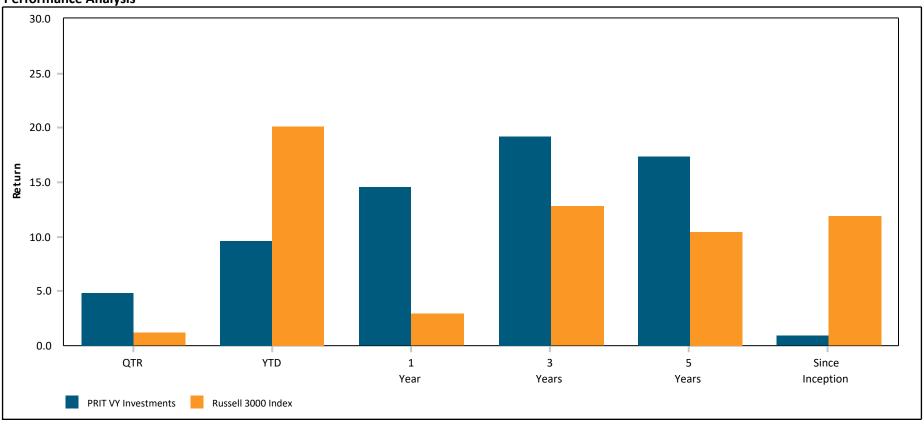
Performance Analysis



	QTR	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
RCP Fund IV	0.0	13.1	16.7	21.4	24.2	18.8	01/01/2007
S&P 500 + 5%	2.9	25.0	9.5	19.1	16.4	13.7	
Difference	-2.9	-11.9	7.2	2.3	7.8	5.1	

PRIT VY Investments As of September 30, 2019

Performance Analysis



QTR	YTD	1 Year	3 Years	5 Years	Since Inception	Inception Date
4.9	9.6	14.5	19.2	17.3	0.9	04/01/2011
1.2	20.1	2.9	12.8	10.4	11.9	
3.7	-10.5	11.6	6.4	6.9	-11.0	
	4.9 1.2	4.9 9.6 1.2 20.1	4.9 9.6 14.5 1.2 20.1 2.9	4.9 9.6 14.5 19.2 1.2 20.1 2.9 12.8	QTR YTD Year Years Years 4.9 9.6 14.5 19.2 17.3 1.2 20.1 2.9 12.8 10.4	QTR YID Year Years Years Inception 4.9 9.6 14.5 19.2 17.3 0.9 1.2 20.1 2.9 12.8 10.4 11.9

Manager Performance Overview - PRIT VY Investments

As of September 30, 2019

	QTR	YTD	1 Year	3 Years	5 Years	10 Years	Since Inception	Inception Date
PRIT VY Investments	4.9	9.6	14.5	19.2	17.3	N/A	0.9	04/01/2011
Russell 3000 Index	1.2	20.1	2.9	12.8	10.4	N/A	11.9	
PRIT Vintage 2011	1.5	5.6	12.0	19.9	21.4	N/A	3.6	04/01/2011
Russell 3000 Index	1.2	20.1	2.9	12.8	10.4	N/A	11.9	
PRIT Vintage 2012	2.7	4.5	6.9	17.3	15.2	N/A	-17.4	06/01/2012
Russell 3000 Index	1.2	20.1	2.9	12.8	10.4	N/A	13.9	
PRIT Vintage 2013	9.6	16.1	20.7	18.3	12.8	N/A	7.6	07/01/2013
Russell 3000 Index	1.2	20.1	2.9	12.8	10.4	N/A	12.2	
PRIT Vintage 2014	4.8	10.6	19.4	23.4	13.8	N/A	5.9	06/01/2014
Russell 3000 Index	1.2	20.1	2.9	12.8	10.4	N/A	10.3	
PRIT Vintage 2015	8.9	18.2	25.7	24.6	N/A	N/A	12.6	04/01/2015
Russell 3000 Index	1.2	20.1	2.9	12.8	N/A	N/A	10.0	
PRIT Vintage 2016	2.4	1.9	5.2	0.6	N/A	N/A	-10.5	04/01/2016
Russell 3000 Index	1.2	20.1	2.9	12.8	N/A	N/A	13.1	
PRIT Vintage 2017	3.9	11.1	8.7	N/A	N/A	N/A	6.9	05/01/2017
Russell 3000 Index	1.2	20.1	2.9	N/A	N/A	N/A	11.1	
PRIT Vintage 2018	0.2	-1.7	-3.3	N/A	N/A	N/A	-12.5	06/01/2018
Russell 3000 Index	1.2	20.1	2.9	N/A	N/A	N/A	8.1	
PRIT Vintage 2019	2.3	N/A	N/A	N/A	N/A	N/A	1.6	04/01/2019
Russell 3000 Index	1.2	N/A	N/A	N/A	N/A	N/A	5.3	

The inception date expressed on the Manager Performance Overview page(s) represents the first day of the first full month following the purchase of the investment. Performance figures shown at the fund level begin on this inception date. Your performance may differ slightly if the fund was purchased during the previous month. Actual performance is captured at the total plan level.

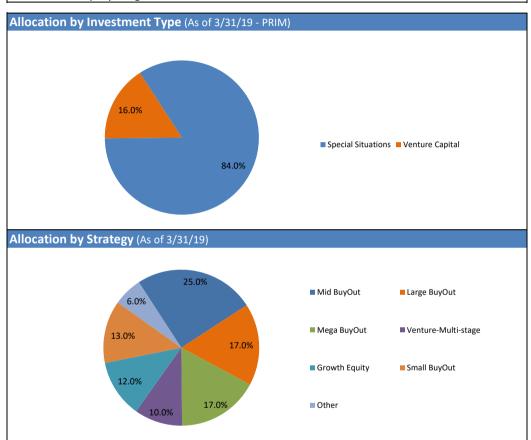
Investment returns are derived from custodian valuations and may deviate slightly from fund level returns displayed in other pages in your report which can result in minor differences in universe rankings. Mutual fund performance may differ from the current share class's historical performance due to share class exchanges.

PRIT Private Equity Program

Portfolio Information

Fund Style: Private Equity

PRIT Private Equity Target Allocation: 11.3% of PRIT Fund



Fund Investment Policy

PRIM's private equity program seeks to seeks to earn a return that provides a premium over investment in public market equities over a long-term market cycle. The program is a significant component of the General Allocation Fund and is available to local Retirement Systems on a segmented basis. The PRIM Board generally targets commitments on a Vintage Year basis which typically range from \$1.0-1.5 Billion annually. The portfolio consists of allocations to special situations private equity (primarily buyout) and venture capital, and is diversified by strategy and manager. Systems wishing to make a commitment to the program provide notice at each calendar year end for the prospective vintage year. The commitment is long term and illiquid. Hamilton Lane serves as PRIM's investment adviser for the allocation.

Benchmark Composition Policy Index As of September 30, 2019

Allocation Mandate	Weight (%)	Allocation Mandate	Weight (%)
Apr-2018		Jul-2011	
Blmbg. Barc. U.S. Aggregate Index	20.0	Blmbg. Barc. U.S. Aggregate Index	20.0
ICE BofAML US High Yield Master II Constrained	2.5	Guggenheim High-Yield Index	2.5
FTSE World Government Bond Index	2.5	FTSE World Government Bond Index	2.5
Russell 3000 Index	35.0	Russell 3000 Index	37.5
MSCI AC World ex USA (Net)	20.0	MSCI AC World ex USA (Net)	17.5
MSCI EAFE Small Cap (net) Index	2.5	MSCI EAFE Small Cap (net) Index	2.5
PRIM Custom Total RE Benchmark	10.0	NCREIF Property Index	5.0
HFRI Fund of Funds Composite Index	7.5	PRIM Custom Total RE Benchmark	5.0
 Jan-2017		HFRI Fund of Funds Composite Index	7.5
Blmbg. Barc. U.S. Aggregate Index	20.0	Jan-2009	
Guggenheim High-Yield Index	2.5	Blmbg. Barc. U.S. Aggregate Index	25.0
FTSE World Government Bond Index	2.5	Blmbg. Barc. U.S. Corp High Yield	3.0
Russell 3000 Index	35.0	Russell 3000 Index	30.0
MSCI AC World ex USA (Net)	20.0	MSCI AC World ex USA (Net)	17.0
MSCI EAFE Small Cap (net) Index	2.5	NCREIF Property Index	15.0
PRIM Custom Total RE Benchmark	10.0	S&P 500 + 5%	7.0
HFRI Fund of Funds Composite Index	7.5	90 Day T-Bill + 5%	3.0
Jan-2014		Jan-2008	
Blmbg. Barc. U.S. Aggregate Index	20.0	Blmbg. Barc. U.S. Aggregate Index	17.0
Guggenheim High-Yield Index	2.5	Blmbg. Barc. U.S. Corp High Yield	4.0
FTSE World Government Bond Index	2.5	FTSE Non-U.S. World Government Bond	4.0
Russell 3000 Index	35.0	S&P 500 Index	28.0
MSCI AC World ex USA (Net)	20.0	Russell 2000 Index	7.0
MSCI EAFE Small Cap (net) Index	2.5	Russell Midcap Index	7.0
NCREIF Property Index	2.0	MSCI EAFE (Net) Index	15.0
PRIM Custom Total RE Benchmark	8.0	MSCI Emerging Markets Index	3.0
HFRI Fund of Funds Composite Index	7.5	NCREIF Property Index	10.0
		90 Day T-Bill + 5%	5.0

Benchmark Composition Policy Index As of September 30, 2019

1 30, 2013	
Allocation Mandate	Weight (%)
Jul-2006	
Blmbg. Barc. U.S. Aggregate Index	17.0
Blmbg. Barc. U.S. Corp High Yield	4.5
FTSE Non-U.S. World Government Bond	4.0
S&P 500 Index	16.5
Russell 2000 Index	14.0
Russell Midcap Growth Index	6.5
Russell Midcap Value Index	8.5
MSCI EAFE Index	14.0
MSCI Emerging Markets Index	3.0
NCREIF Property Index	7.0
S&P 500 + 4%	5.0
Oct-2000	
Blmbg. Barc. U.S. Aggregate Index	20.0
Blmbg. Barc. U.S. Corp High Yield	4.5
FTSE Non-U.S. World Government Bond	4.0
S&P 500 Index	31.5
Russell 2000 Index	14.0
MSCI EAFE Index	14.0
NCREIF Property Index	7.0
S&P 500 + 4%	5.0
Jan-1979	
S&P 500 Index	45.0
Russell 2000 Index	10.0
NCREIF Property Index	6.0
MSCI EAFE Index	11.0
Blmbg. Barc. U.S. Aggregate Index	28.0

Benchmark Composition Fixed Income Benchmark

Fixed Income Benchmark As of September 30, 2019

Allocation Mandate	Weight (%)
Apr-2018	
Blmbg. Barc. U.S. Aggregate Index	80.0
ICE BofAML US High Yield Master II Constrained	10.0
FTSE World Government Bond Index	10.0
Jul-2011	
Blmbg. Barc. U.S. Aggregate Index	80.0
Guggenheim High-Yield Index	10.0
FTSE World Government Bond Index	10.0
Jan-2009	
Blmbg. Barc. U.S. Aggregate Index	89.3
Blmbg. Barc. U.S. Corp High Yield	10.7
Jan-2008	
Blmbg. Barc. U.S. Aggregate Index	68.0
Blmbg. Barc. U.S. Corp High Yield	16.0
FTSE Non-U.S. World Government Bond	16.0
Apr-2007	
Blmbg. Barc. U.S. Aggregate Index	66.7
Blmbg. Barc. U.S. Corp High Yield	17.6
FTSE Non-U.S. World Government Bond	15.7

Benchmark Composition Domestic Equity Benchmark

As of September 30, 2019

Allocation Mandate	Weight (%)
Jan-2009	
Russell 3000 Index	100.0
Jan-2008	
S&P 500 Index	66.7
Russell 2000 Index	16.7
Russell Midcap Index	16.7
Apr-2007	
S&P 500 Index	36.3
Russell 2000 Index	30.8
Russell Midcap Growth Index	14.3
Russell Midcap Value Index	18.7

Benchmark Composition
International Equity Benchmark As of September 30, 2019

Allocation Mandate	Weight (%)
Jan-2014	
MSCI AC World ex USA (Net)	88.9
MSCI EAFE Small Cap (net) Index	11.1
Jul-2011	
MSCI AC World ex USA (Net)	87.5
MSCI EAFE Small Cap (net) Index	12.5
Jan-2009	
MSCI AC World ex USA (Net)	100.0
Jan-2008	
MSCI EAFE Index	83.3
MSCI Emerging Markets Index	16.7
Apr-2007	
MSCI EAFE Index	82.4
MSCI Emerging Markets Index	17.6

As of September 30, 2019

FUND FAMILY

WEB SITE

MFS Institutional

www.mfs.com

Investment Statistics – Descriptions

Statistic	Description
Active Return	Arithmetic difference between the manager's return and the benchmark return over a specified period.
Excess Return	Arithmetic difference between the manager's return and the risk-free return over a specified period.
Standard Deviation	Represents the degree of variation, or dispersion, of a portfolio's return in relation to its mean return. It is a measure of volatility or investment risk.
Downside Risk	A measure of the standard deviation, or volatility, of a portfolio's negative returns in relation to the mean of the negative returns over a specified period. The higher the figure, the riskier the portfolio in negative performance environments.
Sharpe Ratio	Represents the excess return over the risk-free return divided by the standard deviation of the portfolio's return. The ratio shows how well a portfolio performs versus a risk-free investment. The higher the value, the better the portfolio's historical risk-adjusted performance.
Tracking Error	A measure of the standard deviation of a portfolio's excess return over the return of appropriate market benchmark. Tracking error measures how closely a portfolio follows or tracks the index to which it is benchmarked.
Information Ratio	A measure of a portfolio's active return over its benchmark divided by the tracking error. A higher ratio indicates a manager's ability to consistently add active return relative to a benchmark.
Beta	A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of a portfolio's non-diversifiable or systematic risk. A beta of 1.0 implies a portfolio is perfectly correlated to the market.
Alpha	A measure of the portfolio's value added relative to a benchmark, given its level of systematic risk as measured by beta. It is a measure of the portfolio's historical performance not explained by movements of the market, or a portfolio's non-systematic return.
Consistency	Also known as batting average, the percentage of quarters that a portfolio achieved a rate of return higher than that of its benchmark. The higher the consistency figure, the more value a manager has contributed to the portfolio's active performance.
R-Squared	Also known as the coefficient of determination, R-Squared (R^2) represents the percentage of a portfolio's performance explained by the behavior of the appropriate benchmark. A high R^2 means a higher correlation of the portfolio's performance to that of the appropriate benchmark.
Up Market Capture	The ratio of a portfolio's average return over the benchmark during periods of positive benchmark return. Higher values indicate better performance in positive markets compared to the benchmark.
Down Market Capture	The ratio of a portfolio's average return over the benchmark during periods of negative benchmark return. Lower values indicate better performance (and better protection of capital) in down markets compared to the benchmark.
Style Map	Using returns-based style analysis, the style map gauges the adherence of a portfolio to its style mandate. The trend of the style plots identifies style drift, or lack thereof.
Private Equity Investme	ents
Internal Rate of Return (IRR)	An annualized money weighted return used primarily to measure performance of private equity investments. It represents the discount rate that makes the present value of the since inception paid-in capital and distributions associated with an investment equal to zero.
Investment Multiple (TVPI)	Also known as the total value paid-in capital. Multiple is calculated by dividing the fund's cumulative distributions and net asset value by the paid-in capital. The TVPI shows an investor the fund's total value as a multiple of its cost basis since inception.
Realization Multiple (DPI)	Also known as the distributions to paid-in capital (DPI) multiple. This is calculated by dividing the cumulative distributions by paid-in capital. It represents how much of an investor's invested capital has been returned to investors. A fund has broken even when multiple is greater than 1.0.
RVPI Multiple (RVPI)	Calculated by dividing residual value, or net asset value, by paid-in capital including fees paid and other expenses incurred. It measures how much of the fund's return is unrealized and dependent on the market value of its investments.
PIC Multiple (PIC)	Calculated by dividing paid-in capital by committed capital. This ratio allows a potential investor to see the percentage of a fund's committed capital that has been drawn down to date.

Data Source Acknowledgements, Links and Disclaimers

Bloomberg Barclays Global Indices, BLOOMBERG is a trademark and service mark of Bloomberg Finance L.P. and its affiliates (collectively "Bloomberg"). BARCLAYS is a trademark and service mark of Barclays Bank Plc (collectively with its affiliates, "Barclays"), used under license. Bloomberg Finance L.P. and its affiliates (collectively, "Bloomberg") or Bloomberg's licensors own all proprietary rights in the BLOOMBERG BARCLAYS INDICES. For more information please visit https://www.bloomberg.com/professional/product/indices/bloomberg-barclays-indices/#/

ICE®BofAML® Bond Indices, © Copyright 2018 Intercontinental Exchange, Inc. ICE® and ICE® BofAML® are registered trademarks owned by Intercontinental Exchange, Inc. For additional information please visit https://www.theice.com/market-data/indices

Credit Suisse, Copyright © 1997-2018 Credit Suisse Group AG and/or its affiliates. All rights reserved. For more information please visit https://research-doc.credit-suisse.com/docView?language=ENG&format=PDF&source_id=csplusresearchcp&document_id=807177640&serialid=RoryRQMgHsUxy1uzjtLu2wRwt4tlClfpGXmKix%2Fws84%3D

FTSE Russell & FTSE Nareit Indices, © Copyright FTSE Russell 2018; "FTSE Russell" is a trading name of FTSE International Limited ("FTSE") and Frank Russell Company ("Russell") and their respective subsidiary undertakings, which are members of the London Stock Exchange Group plc group. Nareit is the exclusive registered trademark of the National Association of Real Estate Investment Trusts. All rights in the Indexes vest in FTSE and Nareit. For more information please visit https://www.ftserussell.com/index-series/index-spotlights

S&P Dow Jones Indices, Copyright © 2018 S&P Dow Jones Indices LLC, a division of S&P Global. All rights reserved. For more information please visit https://us.spindices.com/index-literacy/

MSCI Indices, © Copyright 2018 by MSCI Inc. All rights reserved. MSCI Inc. and all other service marks referred to herein are the exclusive property of MSCI and its affiliates. All MSCI indices are the exclusive property of MSCI and may not be used in any way without express written permission of MSCI. For more information please visit https://www.msci.com/index-methodology

NCREIF, Copyright © 2018 National Council of Real Estate Investment Fiduciaries. Redistribution of any NCREIF data is not permitted without express written from NCREIF. For more information please visit https://www.ncreif.org/data-products/

HFRI® Indices, © 2018 Hedge Fund Research, Inc – All rights reserved. All data and content on HFR Database products are for your informational and personal use only. For more information please visit https://www.hedgefundresearch.com/hfri-index-methodology

Disclaimer: The analysis in this report was prepared by Fiduciary Investment Advisors, LLC, utilizing data from third parties and other sources including but not limited to FIA computer software and selected information in the FIA database. Reasonable care has been taken to assure the accuracy of the data contained herein, and comments are objectively stated and are based on facts gathered in good faith. These reports do not constitute investment advice with respect to the purchase, sale or disposition of individual securities. FIA disclaims responsibility, financial or otherwise, for the accuracy or completeness of this report. This report and the information contained herein was prepared solely for the internal business use of our clients. This report is confidential and cannot be reproduced or redistributed to any party other than the intended recipients without the expressed consent of FIA. FIA does not intend to benefit any third-party recipient of its work product or create any legal duty from FIA consents to the release of its work product to such third party. FIA provides a copy of its SEC Form ADV Part II to clients without charge upon request.

Fiduciary Investment Advisors, LLC - 100 Northfield Drive, Windsor, CT 06095, www.fiallc.com, 1-866-466-9412