Fresno County Employees' Retirement Association

Investment Performance Review

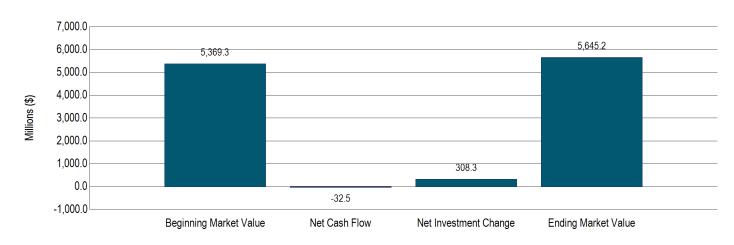
Period Ending: December 31, 2022



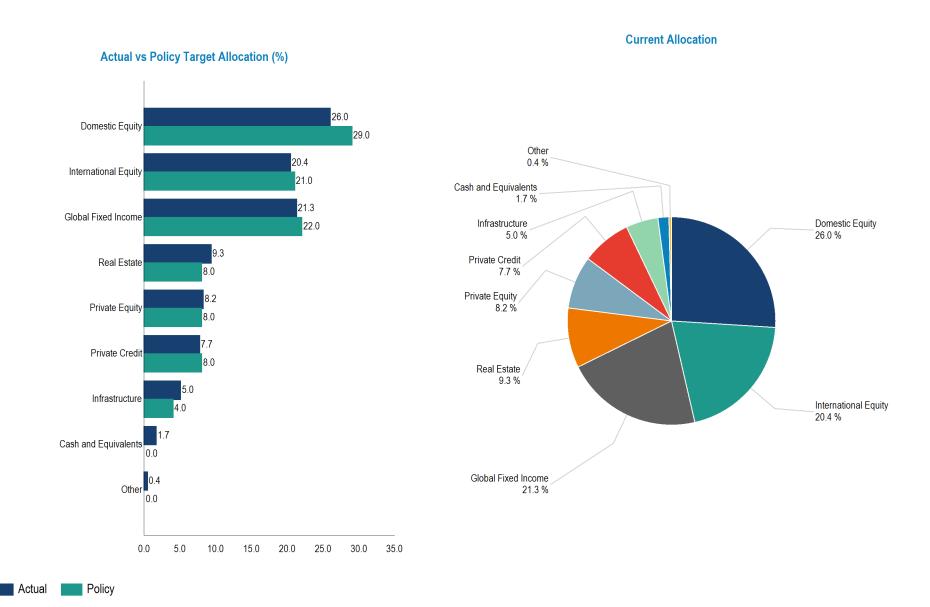
Portfolio Reconciliation

	Last Three Months	Year-To-Date
Beginning Market Value	\$5,369,339,124	\$6,428,347,281
Net Cash Flow	-\$32,474,581	-\$67,417,931
Net Investment Change	\$308,334,299	-\$715,730,507
Ending Market Value	\$5,645,198,842	\$5,645,198,842

Change in Market Value Last Three Months

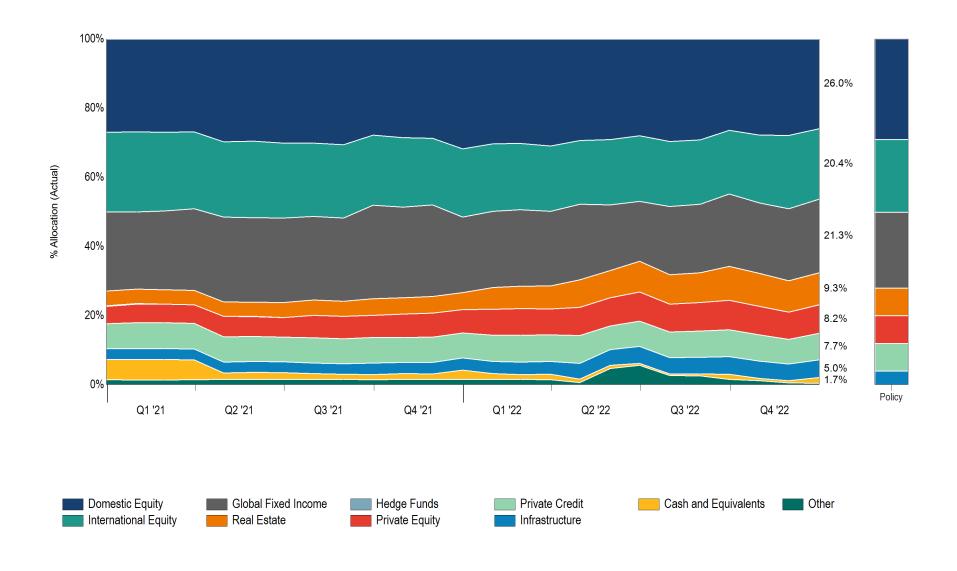






Other consists of cash held for the overlay program. The target allocation reflects the most recent asset allocation targets per Asset Allocation Glidepath in IPS.







	Market Value	% of Portfolio	3 Mo	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	2022	2021	2020	2019	2018
Total Fund	5,645,198,842	100.0	5.7	1.2	-11.2	3.3	4.4	5.9	5.1	-11.2	12.6	10.4	16.4	-3.4
Policy Index			5.0	1.1	-10.0	5.4	5.5	6.3	5.0	-10.0	13.7	14.3	15.1	-3.1
Total Equity	2,617,774,176	46.4	10.6	3.0	-19.3	2.7	4.3	7.8		-19.3	15.4	16.3	26.0	-9.5
MSCI ACWI IMI NR			9.8	2.6	-18.4	3.9	5.0	7.9	5.0	-18.4	18.2	16.3	26.4	-10.1
Total Domestic Equity	1,465,970,368	26.0	6.7	2.1	-21.5	5.5	7.4	11.0		-21.5	23.9	20.7	28.0	-5.1
MSCI USA IMI NR			7.1	2.2	-19.6	6.8	8.4	11.6	8.2	-19.6	25.6	20.5	30.4	-5.7
Total International Equity	1,151,803,809	20.4	15.7	3.7	-16.4	-0.5	1.1	4.1		-16.4	4.8	12.3	24.2	-13.6
MSCI ACWI ex USA			14.3	3.0	-16.0	0.1	0.9	3.8	1.5	-16.0	7.8	10.7	21.5	-14.2
Total Fixed Income	1,199,786,652	21.3	3.2	-1.1	-12.4	-2.6	-0.1	1.3		-12.4	-1.9	7.4	11.0	-2.9
Fixed Income Custom Benchmark			3.0	0.0	-10.8	-1.4	0.3	0.5	2.3	-10.8	-1.4	9.1	6.8	-1.2
Bloomberg Global Aggregate TR			4.5	-2.7	-16.2	-4.5	-1.7	-0.4	1.5	-16.2	-4.7	9.2	6.8	-1.2
Total Real Estate	525,521,845	9.3	-2.3	-1.3	8.7	8.6	8.2	9.4		8.7	19.3	-1.2	6.2	9.2
NCREIF ODCE Net			-5.1	-4.8	6.6	9.0	7.7	9.1	5.3	6.6	21.0	0.3	4.4	7.4
Total Infrastructure	284,882,239	5.0	4.0	4.2	8.2	9.4	12.5			8.2	17.6	2.9	14.6	20.1
NCREIF ODCE Net			-5.1	-4.8	6.6	9.0	7.7	9.1	5.3	6.6	21.0	0.3	4.4	7.4
Total Private Equity 1 Qtr Lagged	464,519,148	8.2	-1.0	-3.0	7.2	23.0	18.4	14.5	11.5	7.2	57.2	10.3	4.7	19.6
Russell 2000 1 Qtr Lagged +200bps			-1.7	-18.2	-21.9	6.4	5.6	10.8	9.0	-21.9	50.5	2.4	-7.0	17.5
Total Private Credit 1 Qtr Lagged	435,488,100	7.7	1.1	1.4	5.2	7.3	6.9	6.7	9.1	5.2	14.1	2.8	5.3	7.6
Bloomberg US Corp. High Yield 1 Qtr Lagged +200bps			-0.2	-9.5	-12.4	1.5	3.6	5.7	7.9	-12.4	13.5	5.3	8.5	5.1
Total Custodied Cash	81,033,050	1.4	0.8	1.4	1.6	0.7	1.2	0.7		1.6	0.0	0.4	2.1	1.8
91 Day T-Bills			0.8	1.3	1.5	0.6	1.2	0.7	0.6	1.5	0.0	0.5	2.1	1.9
Total County Cash	12,334,630	0.2	0.7	1.3	3.1	2.3	2.3			3.1	1.6	2.3	2.2	2.4
91 Day T-Bills			0.8	1.3	1.5	0.6	1.2	0.7	0.6	1.5	0.0	0.5	2.1	1.9
Transition	29,371	0.0												
Total Parametric Overlay	23,829,630	0.4												

Policy Index (Floating policy weights updated as of 12/1/2022. See Data Sources and Methodology for monthly policy breakout): 29% MSCI USA IMI, 21% MSCI ACWI ex US, 22% Fixed Income Custom Benchmark, 8% Private Equity Neutralized, 7.15% Private Credit Neutralized, 0.00% Russell 2000, 0.85% Bloomberg US HY and 12% NCREIF ODCE Net. Composite total market values reflect manager exposures and any underlying cash balances. De-risking of the Plan commenced on April 30, 2014. Effective 1/01/2017, only traditional asset class (public equity, public fixed income, REITs) investment management fees will be included in the gross of fee return calculation. Parametric Overlay and Transition account values included in Total Fund value.

Fixed Income Custom Benchmark 12/1/2021: 50% Bloomberg U.S. Aggregate Index, 4.5% Bloomberg US Securitized Index, 18.2% Bloomberg High Yield, 18.2% S&P LSTA U.S. Leveraged Loan Index, 9.1% JP Morgan EMBI Global. Total Real Estate reflects current period returns for open ended funds and one quarter lag for closed end funds.



	Market Value	% of Portfolio	3 Mo	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	20 Yrs	2022	2021	2020	2019	2018
Total Fund	5,645,198,842	100.0	5.8	1.3	-11.1	3.5	4.6	6.2	5.4	7.5	-11.1	12.8	10.6	16.6	-3.2
Policy Index			5.0	1.1	-10.0	5.4	5.5	6.3	5.0	6.9	-10.0	13.7	14.3	15.1	-3.1
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MSCI ACWI IMI NR			9.8	2.6	-18.4	3.9	5.0	7.9	5.0	8.3	-18.4	18.2	16.3	26.4	-10.1
Total Domestic Equity	1,465,970,368	26.0	6.8	2.1	-21.4	5.6	7.5	11.2	8.3	9.7	-21.4	24.0	20.8	28.3	-4.9
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Total International Equity	1,151,803,809	20.4	15.9	3.9	-16.1	-0.1	1.5	4.6	2.9	7.3	-16.1	5.3	12.8	24.8	-13.2
MSCI ACWI ex USA			14.3	3.0	-16.0	0.1	0.9	3.8	1.5	6.7	-16.0	7.8	10.7	21.5	-14.2
Total Fixed Income	1,199,786,652	21.3	3.2	-0.9	-12.1	-2.3	0.2	1.6	3.9	4.2	-12.1	-1.6	7.8	11.4	-2.5
Fixed Income Custom Benchmark			3.0	0.0	-10.8	-1.4	0.3	0.5	2.3	2.8	-10.8	-1.4	9.1	6.8	-1.2
Bloomberg Global Aggregate TR			4.5	-2.7	-16.2	-4.5	-1.7	-0.4	1.5	2.7	-16.2	-4.7	9.2	6.8	-1.2
Total Real Estate	525,521,845	9.3	-2.3	-1.3	8.7	8.6	8.2	9.6	5.9	8.9	8.7	19.3	-1.2	6.2	9.2
NCREIF ODCE Net			-5.1	-4.8	6.6	9.0	7.7	9.1	5.3		6.6	21.0	0.3	4.4	7.4
Total Infrastructure	284,882,239	5.0	4.0	4.2	8.2	9.4	12.5				8.2	17.6	2.9	14.6	20.1
NCREIF ODCE Net			-5.1	-4.8	6.6	9.0	7.7	9.1	5.3		6.6	21.0	0.3	4.4	7.4
Total Private Equity 1 Qtr Lagged	464,519,148	8.2	-1.0	-3.0	7.2	23.0	18.4	14.6	11.6		7.2	57.2	10.3	4.7	19.6
Russell 2000 1 Qtr Lagged +200bps	_		-1.7	-18.2	-21.9	6.4	5.6	10.8	9.0	11.3	-21.9	50.5	2.4	-7.0	17.5
Total Private Credit 1 Qtr Lagged	435,488,100	7.7	1.1	1.4	5.2	7.3	6.9	7.0	9.3		5.2	14.1	2.8	5.3	7.6
Bloomberg US Corp. High Yield 1 Qtr Lagged +200bps	_		-0.2	-9.5	-12.4	1.5	3.6	5.7	7.9	9.2	-12.4	13.5	5.3	8.5	5.1
Total Custodied Cash	81,033,050	1.4	0.8	1.4	1.6	0.7	1.2	0.7	0.9	1.4	1.6	0.0	0.4	2.1	1.8
91 Day T-Bills			0.8	1.3	1.5	0.6	1.2	0.7	0.6	1.2	1.5	0.0	0.5	2.1	1.9
Total County Cash	12,334,630	0.2	0.7	1.3	3.1	2.3	2.3				3.1	1.6	2.3	2.2	2.4
91 Day T-Bills			0.8	1.3	1.5	0.6	1.2	0.7	0.6	1.2	1.5	0.0	0.5	2.1	1.9
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Policy Index (Floating policy weights updated as of 12/1/2022. See Data Sources and Methodology for monthly policy breakout): 29% MSCI USA IMI, 21% MSCI ACWI ex US, 22% Fixed Income Custom Benchmark, 8% Private Equity Neutralized, 7.15% Private Credit Neutralized, 0.00% Russell 2000, 0.85% Bloomberg US HY and 12% NCREIF ODCE Net. Composite total market values reflect manager exposures and any underlying cash balances. De-risking of the Plan commenced on April 30, 2014. Effective 1/01/2017, only traditional asset class (public equity, public fixed income, REITs) investment management fees will be included in the gross of fee return calculation. Parametric Overlay and Transition account values included in Total Fund value.

Fixed Income Custom Benchmark 12/1/2021: 50% Bloomberg U.S. Aggregate Index, 4.5% Bloomberg US Securitized Index, 18.2% Bloomberg High Yield, 18.2% S&P LSTA U.S. Leveraged Loan Index, 9.1% JP Morgan EMBI Global. Total Real Estate reflects current period returns for open ended funds and one quarter lag for closed end funds.



	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	2022	2021	2020	2019	2018	Inception	nception Date
Total Fund	5,645,198,842	100.0	5.7	-11.2	3.3	4.4	5.9	5.1	-11.2	12.6	10.4	16.4	-3.4	6.7	Jun-02
Policy Index			5.0	-10.0	5.4	5.5	6.3	5.0	-10.0	13.7	14.3	15.1	-3.1	6.4	Jun-02
InvMetrics Public DB > \$1B Net Rank			36	51	86	85	95	75	51	83	57	59	36		Jun-02
Total Fund Ex Parametric	5,621,369,212	99.6	5.6	-11.0	3.6	4.5			-11.0	12.5	11.0	15.3	-2.9	6.0	Dec-16
Policy Index			5.0	-10.0	5.4	5.5	6.3	5.0	-10.0	13.7	14.3	15.1	-3.1	6.8	Dec-16
InvMetrics Public DB > \$1B Net Rank			37	50	83	84			50	83	46	78	29		Dec-16
Total Equity	2,617,774,176	46.4	10.6	-19.3	2.7	4.3	7.8		-19.3	15.4	16.3	26.0	-9.5		
MSCI ACWI IMI NR			9.8	-18.4	3.9	5.0	7.9	5.0	-18.4	18.2	16.3	26.4	-10.1		
Total Domestic Equity	1,465,970,368	26.0	6.7	-21.5	5.5	7.4	11.0		-21.5	23.9	20.7	28.0	-5.1		Mar-97
MSCI USA IMI NR			7.1	-19.6	6.8	8.4	11.6	8.2	-19.6	25.6	20.5	30.4	-5.7		Mar-97
NT MSCI US Index	838,643,528	14.9	7.1	-19.4					-19.4	27.0				10.3	Jun-20
MSCI USA			7.1	-19.5	7.5	9.3	12.5	8.8	-19.5	27.0	21.4	31.6	-4.5	10.6	Jun-20
eV US Large Cap Core Equity Net Rank			75	77					77	48					Jun-20
MSCI Factor Mix Index	173,675,721	3.1	9.8	-14.0					-14.0					-0.3	Apr-21
MSCI USA			7.1	-19.5	7.5	9.3	12.5	8.8	-19.5	27.0	21.4	31.6	-4.5	-3.9	Apr-21
Russell 1000 Value			12.4	-7.5	6.0	6.7	10.3	7.0	-7.5	25.2	2.8	26.5	-8.3	2.3	Apr-21
eV US Large Cap Core Equity Net Rank			31	34					34						Apr-21
T. Rowe Price Large Cap Growth	139,291,917	2.5	0.5	-35.4	4.8				-35.4	27.4	40.0	29.5		8.2	Oct-18
Russell 1000 Growth			2.2	-29.1	7.8	11.0	14.1	10.3	-29.1	27.6	38.5	36.4	-1.5	10.9	Oct-18
eV US Large Cap Growth Equity Net Rank			82	83	66				83	26	27	82			Oct-18
PIMCO StocksPLUS Small Fund	314,341,857	5.6	6.9	-23.9	2.5				-23.9	14.5	23.6	29.3		4.6	Feb-18
Russell 2000			6.2	-20.4	3.1	4.1	9.0	7.2	-20.4	14.8	20.0	25.5	-11.0	4.6	Feb-18
eV US Small Cap Core Equity Net Rank			75	91	95				91	93	23	15			Feb-18

T. Rowe Price replaced Ivy on 10/18/2018. Systematic liquidated on 2/4/2019. Invesco Commodities liquidated 8/16/2019. SSgA S&P 500 Flagship Fund liquidated 12/2/2019. S&P 500 Index Fund transferred 6/1/2020 into NT MSCI US Index. MSCI EAFE liquidated into NT MSCI World Ex-US Index 5/28/2020. Aronson Johnson Ortiz was liquidated 8/16/2020 and a residual balance remains. MSCI Factor Mix Index funded 3/30/2021.



	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	2022	2021	2020	2019	2018	Inception	Inception Date
Total International Equity	1,151,803,809	20.4	15.7	-16.4	-0.5	1.1	4.1		-16.4	4.8	12.3	24.2	-13.6		
MSCI ACWI ex USA			14.3	-16.0	0.1	0.9	3.8	1.5	-16.0	7.8	10.7	21.5	-14.2		
NT MSCI World Ex-US Index	395,774,194	7.0	17.2	-13.8		-			-13.8	12.9				9.8	May-20
MSCI World ex USA			16.2	-14.3	1.3	1.8	4.6	1.8	-14.3	12.6	7.6	22.5	-14.1	9.2	May-20
eV Global All Cap Core Eq Net Rank			1	31					31	85					May-20
Artisan International Growth	233,633,419	4.1	16.0	-18.4	-0.9	2.8			-18.4	9.2	9.2	31.3	-10.2	4.9	Apr-13
MSCI EAFE			17.3	-14.5	0.9	1.5	4.7	1.8	-14.5	11.3	7.8	22.0	-13.8	4.3	Apr-13
MSCI EAFE Growth			15.0	-22.9	0.5	2.5	5.6	2.6	-22.9	11.3	18.3	27.9	-12.8	5.0	Apr-13
eV EAFE All Cap Growth Net Rank			4	1	53	16			1	42	92	32	7		Apr-13
PIMCO RAE International	230,132,142	4.1	17.3	-5.9	2.4	1.3	5.3		-5.9	11.5	2.1	17.9	-15.5	-5.4	Feb-22
MSCI EAFE			17.3	-14.5	0.9	1.5	4.7	1.8	-14.5	11.3	7.8	22.0	-13.8	-10.1	Feb-22
MSCI EAFE Value			19.6	-5.6	0.6	0.2	3.5	0.8	-5.6	10.9	-2.6	16.1	-14.8	-6.6	Feb-22
eV EAFE All Cap Value Net Rank			70	13	23	36	28		13	44	63	56	50		Feb-22
Mondrian Emerging Markets	147,051,041	2.6	12.6	-15.9	-2.7	-1.2	0.1	1.2	-15.9	-4.9	15.2	18.3	-13.8	4.2	Nov-05
MSCI Emerging Markets			9.7	-20.1	-2.7	-1.4	1.4	0.6	-20.1	-2.5	18.3	18.4	-14.6	4.6	Nov-05
MSCI Emerging Markets Value NR			9.8	-15.8	-2.6	-1.6	0.1	0.1	-15.8	4.0	5.5	12.0	-10.7	4.2	Nov-05
eV Emg Mkts All Cap Value Equity Net Rank			56	50	71	73	92	43	50	82	40	42	48		Nov-05
Baillie Gifford Emerging Markets	145,213,013	2.6	11.5	-26.5	-4.7	-			-26.5	-9.1	29.6	28.0		2.6	Dec-18
MSCI Emerging Markets			9.7	-20.1	-2.7	-1.4	1.4	0.6	-20.1	-2.5	18.3	18.4	-14.6	2.2	Dec-18
MSCI Emerging Markets Growth NR			9.6	-24.0	-2.9	-1.3	2.7	1.1	-24.0	-8.4	31.3	25.1	-18.3	3.4	Dec-18
Diversified Emerging Mkts MStar MF Rank			24	76	77				76	88	18	14			Dec-18

Baillie Gifford Emerging Markets funded 12/10/2018. Mondrian International Small Cap liquidated 2/9/2022. Research Affiliates International Equity liquidated on 7/8/2022.



	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	2022	2021	2020	2019	2018	Inception	nception Date
Total Fixed Income	1,199,786,652	21.3	3.2	-12.4	-2.6	-0.1	1.3		-12.4	-1.9	7.4	11.0	-2.9		
Fixed Income Custom Benchmark			3.0	-10.8	-1.4	0.3	0.5	2.3	-10.8	-1.4	9.1	6.8	-1.2		
Bloomberg Global Aggregate TR			4.5	-16.2	-4.5	-1.7	-0.4	1.5	-16.2	-4.7	9.2	6.8	-1.2		
Western Asset Management Core Bond	599,151,197	10.6	2.5	-16.1	-3.3	0.3			-16.1	-1.6	9.4	14.9	-2.3	2.0	Oct-14
Western Asset Management Benchmark			1.9	-13.0	-2.5	0.6	1.9	3.8	-13.0	-2.6	9.4	13.8	-2.1	1.9	Oct-14
eV US Core Fixed Inc Net Rank			5	98	96	43			98	53	14	1	99		Oct-14
PGIM Strategic Credit	339,242,861	6.0	5.3		-	-			-			-		-0.4	Aug-22
33% Bloomberg US HY/33% CS Lev Loan/33% JPM EMBI Gbl Div Index			4.9	-10.1	-1.0	1.4	3.2		-10.1	2.9	4.9	12.5	-1.8	0.0	Aug-22
HPS Institutional Credit	208,354,337	3.7	2.2											1.1	Jun-22
50% Credit Suisse HY/50% Credit Suisse Leveraged Loan Index			3.1	-5.8	1.1	2.7	3.8	4.9	-5.8	5.5	4.1	11.1	-0.6	3.5	Jun-22
RBC Access Capital	51,789,096	0.9	1.8	-10.9	-2.9				-10.9	-1.5	4.3	6.4		0.0	Oct-18
Bloomberg US Securitized Index			2.1	-11.7	-3.1	-0.4	0.8	2.4	-11.7	-1.1	4.2	6.4	1.0	-0.1	Oct-18
eV US Securitized Fixed Inc Net Rank			26	49	63				49	89	36	54			Oct-18
Total Real Estate	525,521,845	9.3	-2.3	8.7	8.6	8.2	9.4		8.7	19.3	-1.2	6.2	9.2		
NCREIF ODCE Net			-5.1	6.6	9.0	7.7	9.1	5.3	6.6	21.0	0.3	4.4	7.4		
Invesco Core Real Estate	214,882,520	3.8	-5.2	6.8	7.8	7.5	9.2	5.4	6.8	20.1	-2.4	5.7	8.5	5.4	Oct-07
NCREIF ODCE Net			-5.1	6.6	9.0	7.7	9.1	5.3	6.6	21.0	0.3	4.4	7.4	5.3	Oct-07
Harrison Street	124,800,672	2.2	-0.7	9.6					9.6					9.6	Jan-22
NCREIF ODCE Net			-5.1	6.6	9.0	7.7	9.1	5.3	6.6	21.0	0.3	4.4	7.4	6.6	Jan-22
Closed End Real Estate 1 Qtr Lagged	185,838,653	3.3	0.2	9.3	9.9	10.7	-		9.3	18.6	2.4	9.9	14.1		
NCREIF ODCE Net 1 Qtr Lagged			0.3	21.0	11.4	9.3	9.7	5.6	21.0	13.6	0.5	4.6	7.7		
Total Infrastructure	284,882,239	5.0	4.0	8.2	9.4	12.5			8.2	17.6	2.9	14.6	20.1		
NCREIF ODCE Net			-5.1	6.6	9.0	7.7	9.1	5.3	6.6	21.0	0.3	4.4	7.4		
IFM Infrastructure	284,882,239	5.0	4.0	8.2	9.4	12.5			8.2	17.6	2.9	14.6	20.1	11.9	May-15
NCREIF ODCE Net			-5.1	6.6	9.0	7.7	9.1	5.3	6.6	21.0	0.3	4.4	7.4	8.3	May-15
CPI + 5%			1.2	11.7	10.1	9.0	7.7	7.4	11.7	12.4	6.4	7.4	7.0	8.1	May-15
S&P Global Infrastructure			11.0	-0.2	1.7	3.9	6.5	3.6	-0.2	11.9	-5.8	27.0	-9.5	4.5	May-15

RBC Access Capital funded 10/10/2018. Invesco Commodities liquidated 8/16/2019. SSgA TIPS liquadated 12/16/2019. Northern Trust Collective TIPS Index Fund liquidated 3/25/2019. Grosvenor liquidated 4/1/2020. Western Asset Management Agency MBS funded 9/2/2020. TCW TALF Opportunities Fund LP liquidated 2/3/2021. Eaton Vance Senior Loan Fund liquidated 1/3/2021. Ares US Real Estate Opportunity Fund III was funded 6/22/2021. Western Asset Management Agency Treasuries and Western Asset Management Investment Grade Credit liquidated 4/23/2021. Western Asset Management track record reflects the prior mandate of investment grade credit; liquidated 4/23/2021. Brandywine Global Soverign liquidated on 12/10/2021. Harrison Street funded 1/5/2022. Eaton Vance Senior Loan Fund liquidated 6/7/2021. Brandywine Global Sovereign has a residual value of \$129,432.89 as of 12/31/2022. Loomis Sayles High Yield has a residual value of \$131,537.76 as of 12/31/2022. PIMCO Emerging Local Bond Ins has a residual value of \$88,189.21 as of 12/31/2022.



	Market Value	% of Portfolio	3 Mo	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	2022	2021	2020	2019	2018	Inception	Inception Date
Total Private Equity 1 Qtr Lagged	464,519,148	8.2	-1.0	7.2	23.0	18.4	14.5	11.5	7.2	57.2	10.3	4.7	19.6		
Russell 2000 1 Qtr Lagged +200bps			-1.7	-21.9	6.4	5.6	10.8	9.0	-21.9	50.5	2.4	-7.0	17.5		
Total Private Credit 1 Qtr Lagged	435,488,100	7.7	1.1	5.2	7.3	6.9	6.7	9.1	5.2	14.1	2.8	5.3	7.6		
Bloomberg US Corp. High Yield 1 Qtr Lagged +200bps			-0.2	-12.4	1.5	3.6	5.7	7.9	-12.4	13.5	5.3	8.5	5.1		
FCERA Private Credit	362,222,824	6.4	1.6	5.7	7.4				5.7	14.1	2.8	5.3		7.1	Jul-18
High Sierra Credit Investors	73,265,276	1.3	-4.1											-4.1	Jul-22
Total Custodied Cash	81,033,050	1.4	0.8	1.6	0.7	1.2	0.7		1.6	0.0	0.4	2.1	1.8		
91 Day T-Bills			0.8	1.5	0.6	1.2	0.7	0.6	1.5	0.0	0.5	2.1	1.9		
Total County Cash	12,334,630	0.2	0.7	3.1	2.3	2.3			3.1	1.6	2.3	2.2	2.4		
91 Day T-Bills			0.8	1.5	0.6	1.2	0.7	0.6	1.5	0.0	0.5	2.1	1.9		
Transition	29,371	0.0													
Transition	29,371	0.0													
Total Parametric Overlay	23,829,630	0.4													
Parametric Overlay	23,829,630	0.4													

GCM Better Futures Fund liquidated 6/7/2021.



Fund	Inception Date	% of Portfolio	Total Commitment	Contributions	Distributions	Estimated Market Value	One Quarter Return	One Year Return	Three Years Return	Five Years Return	(IRR) Since Inception
Kennedy Wilson Real Estate Fund V	2016	0.0%	\$30,000,000	\$28,113,444	\$34,808,482	\$2,545,411	-8.2%	-27.3%	-9.6%	-0.1%	1.7%
Gerding Edlen Green Cities III	2016	0.3%	\$20,000,000	\$19,412,739	\$6,503,345	\$17,304,031	-0.2%	-1.1%	-0.3%	2.8%	4.3%
Invesco Value-Add Fund V	2017	0.5%	\$30,000,000	\$23,673,010	\$3,739,277	\$30,297,027	0.1%	8.9%	13.4%	N/A	10.7%
Kennedy Wilson Real Estate Fund VI	2019	0.4%	\$30,000,000	\$29,634,259	\$18,203,991	\$22,195,977	-2.3%	13.5%	15.7%	N/A	13.8%
Ares US Real Estate Opportunity Fund III	2021	0.7%	\$75,000,000	\$45,955,432	\$15,066,446	\$40,431,795	2.4%	17.7%	N/A	N/A	23.3%
Oaktree Real Estate Opportunities Fund VIII, L.P.	2021	0.5%	\$75,000,000	\$39,627,295	\$12,750,000	\$29,983,153	-0.6%	3.6%	N/A	N/A	6.6%
PCCP Equity IX	2022	0.5%	\$50,000,000	\$25,599,715	\$0	\$26,517,963	1.1%	7.4%	N/A	N/A	7.4%
Invesco Real Estate VI	2022	0.3%	\$50,000,000	\$16,563,296	\$0	\$16,563,296	N/A	N/A	N/A	N/A	N/A
Total		3.3%	\$360,000,000	\$228,579,190	\$91,071,541	\$185,838,653					



Private Equity Vintagy Fund Vintagy FCERA PE Portfolio Blackstone Capital Partners IV, L.P. 2003 Hamilton Lane Private Equity Fund IX L.P. 2016 Hamilton Lane Private Equity Fund VI, L.P. 2016 Hamilton Lane Private Equity Fund VI, L.P. 2007 Horsley Bridge XI Growth Buyout L.P. 2016 Landmark Equity Partners XIV, L.P. 2009 New Mountain Partners III, L.P. 2007 NMP III Continuation Fund, L.P. 2021 Warburg Pincus Equity Partners, L.P. 2091 Warburg Pincus Private Equity VIII, L.P. 2001 Warburg Pincus Private Equity XI, L.P. 2015 Total FCERA PE Portfolio 4 Hamilton Lane PE Portfolio 4 Hamilton Lane PE Portfolio 4 Harista Capital Partners VI, L.P. 2019 Avista Capital Partners VI, L.P. 2018 Avista Capital Partners VI, L.P. 2018 Avista Capital Partners VI, L.P. 2019 Bridgepoint Development Capital IV, L.P. 2022 Bridgepoint Development Capital IV, L.P. 2022	\$20,000,000 \$100,000,000 \$70,000,000	Unfunded Commitment \$597,726 \$9,951,676	Paid-In Capital	Capital Distributed	NAV*	TVPI I	Since Inception
Fund Year FCERA PE Portfolio Blackstone Capital Partners IV, L.P. 2003 Hamilton Lane Private Equity Fund IX L.P. 2016 Hamilton Lane Private Equity Fund VI, LP 2007 Horsley Bridge XI Growth Buyout L.P. 2016 Landmark Equity Partners XIV, L.P. 2009 New Mountain Partners III, L.P. 2007 NMP III Continuation Fund, L.P. 2021 Warburg Pincus Equity Partners, L.P. 1998 Warburg Pincus Private Equity VIII, L.P. 2001 Warburg Pincus Private Equity X.I.P. 2015 Total FCERA PE Portfolio Altaris Health Partners V. L.P. 2018 Avista Capital Partners V, L.P. 2018 Avista Capital Partners V, L.P. 2018 Avista Capital Partners V, L.P. 2022 Bridgepoint Development Capital IV, L.P. 2022 Cinven Seventh Fund 2019 CVC Capital Partners VIII, L.P. 2029 Gridiron Capital Fund IV, L.P. 2029 Hamilton Lane Secondary Fund IV, L.P. 2019 Hamilton Lane Secondary Fund IV, L.P. 2019	\$20,000,000 \$100,000,000	\$597,726			NAV*	TVPI I	
Blackstone Capital Partners IV, L.P. 2003 Hamilton Lane Private Equity Fund IV, L.P. 2016 Hamilton Lane Private Equity Fund IV, L.P. 2016 Hamilton Lane Private Equity Fund IV, L.P. 2007 Horsley Bridge XI Growth Buyout L.P. 2009 New Mountain Partners III, L.P. 2007 New Private Equity Partners, L.P. 2001 Warburg Pincus Equity Partners, L.P. 2001 Warburg Pincus Private Equity X.I.P. 2007 Warburg Pincus Private Equity X.I.P. 2007 Warburg Pincus Private Equity X.I.P. 2015 Total FCERA PE Portfolio Hamilton Lane PE Portfolio Altaris Health Partners V, L.P. 2018 Aurora Equity Partners VI, L.P. 2018 Avista Capital Partners VI, L.P. 2018 Partners VI, L.P. 2019 Partners	\$100,000,000						
Amillion Lane Private Equity Fund IX L.P. 2016	\$100,000,000						
Hamilton Lane Private Equity Fund VI, LP 2007		\$9,951 676	\$22,648,846	\$53,391,175	\$51,025	2.4x	29.60%
Arrival Arri	\$70,000,000	,,,0,0	\$90,048,324	\$80,861,586	\$88,873,181	1.9x	18.849
Andmark Equity Partners XIV, L.P. 2009 Jew Mountain Partners III, L.P. 2007 JMP III Continuation Fund, L.P. 2021 JMP III Continuation Fund, L.P. 1998 Varburg Pincus Equity Partners, L.P. 2001 Varburg Pincus Private Equity VIII, L.P. 2001 Varburg Pincus Private Equity XII, L.P. 2005 Jamilton Lane PE Portfolio Jamilton Lane PE Portfolio Vataris Health Partners V, L.P. 2019 Varburg Equity Partners VI, L.P. 2020 Jamilton Lane Secondary Fund III, L.P. 2019 Halidilton Lane Secondary Fund IV, L.P. 2019		\$7,104,295	\$62,895,705	\$96,745,307	\$8,091,261	1.7x	9.13%
Idew Mountain Partners III, L.P. 2007 IMP III Continuation Fund, L.P. 2021 Varburg Pincus Equity Partners, L.P. 1998 Varburg Pincus Private Equity VIII, L.P. 2001 Varburg Pincus Private Equity X.I.P. 2005 Varburg Pincus Private Equity X.I.P. 2015 Fotal FCERA PE Portfolio 14amilton Lane PE Portfolio Idamilton Lane PE Portfolio 2020 Idamilton Lane PE Portfolio 2019 Idamilton Lane Seventh Fund 2019 Vivista Capital Partners VI, L.P. 2022 Indigepoint Development Capital IV, L.P. 2019 Scridiron Capital Partners VIII, L.P. 2019 Gridiron Capital Fund IV, L.P. 2022 Bridiron Capital Fund V, L.P. 2019 Bridiron Capital Fund V, L.P	\$30,000,000	\$3,244,347	\$26,755,653	\$19,796,029	\$36,628,375	2.1x	25.159
IMP III Continuation Fund, L.P. 2021 Varburg Pincus Equity Partners, L.P. 1998 Varburg Pincus Private Equity VIII, L.P. 2001 Varburg Pincus Private Equity X.I.P. 2015 Varburg Pincus Private Equity XII, L.P. 2015 Total FCERA PE Portfolio 2018 Idamilton Lane PE Portfolio 2020 Jurora Equity Partners VI, L.P. 2019 Aurora Equity Partners IV, L.P. 2018 Vivista Capital Partners IV, L.P. 2018 Vivista Capital Partners VI, L.P. 2022 Videgepoint Development Capital IV, L.P. 2022 Vic Capital Partners VIII, L.P. 2019 Sindigen Capital Fund IV, L.P. 2019 Sindigen Capital Fund IV, L.P. 2019 Sindigen Capital Fund IV, L.P. 2022 Sindigen Capital Fund IV, L.P. 2019 Sindigen Capital Fund I	\$30,000,000	\$791,302	\$29,210,859	\$36,983,926	\$2,333,222	1.3x	9.64%
Warburg Pincus Equity Partners, L.P. 1998 Warburg Pincus Private Equity VIII, L.P. 2001 Varburg Pincus Private Equity XII, L.P. 2005 Varburg Pincus Private Equity XII, L.P. 2015 Varburg Pincus Private Equity XII, L.P. 2016 Varburg Pincus Private Equity XII, L.P. 2020 Iamilton Lane PE Portfolio 2020 Itaris Health Partners V, L.P. 2019 Ivista Capital Partners IV, L.P. 2018 Ivista Capital Partners V, L.P. 2019 Ivista Health Care Partners V, L.P. 2020 Vivista Health Care Partners VII, L.P. 2020 Vivista Health Care Partners VIII, L.P. 2020 Vivista Legital Partners VIII, L.P. 2020 Vivic Capital Partners VIII, L.P. 2019 Sirdirion Capital Fund IV, L.P. 2021 Sirdirion Capital Fund V, L.P. 2021 Sirdirion Capital Fund V, L.P. 2019	\$15,000,000	\$659,743	\$15,967,442	\$37,875,321	\$628,593	2.4x	14.67
Varburg Pincus Private Equity VIII, L.P. 2001 Varburg Pincus Private Equity X, L.P. 2007 Varburg Pincus Private Equity XII, L.P. 2015 Total FCERA PE Portfolio 1amilton Lane PE Portfolio Iltaris Health Partners V, L.P. 2020 Jurora Equity Partners VI, L.P. 2019 vista Capital Partners VI, L.P. 2019 vista Capital Partners VI, L.P. 2022 vista Healthcare Partners VI, L.P. 2022 virindepoint Development Capital IV, L.P. 2020 virindepoint Development Capital IV, L.P. 2020 virinder Svill, L.P. 2020 viridigenor Capital Fund IV, L.P. 2019 viridigenor Capital Fund IV, L.P. 2022 viridigenor Capital Fund V, L.P. 2019 viridigenor Capital Fund V, L.P. 2019 viridigenor Capital Fund V, L.P. 2019 viridigenor Capital Fund V, L.P. 2017 viridigenor Capital Fund V, L.P. 2019	\$3,402,119	\$642,050	\$2,769,979	\$930,994	\$2,824,660	1.4x	29.74
Varburg Pincus Private Equity X, L.P. 2007 Varburg Pincus Private Equity XII, L.P. 2015 Otal FCERA PE Portfolio 5 Iamilton Lane PE Portfolio 2020 Jurora Equity Partners V, L.P. 2019 Jurora Equity Partners IV, L.P. 2019 Vista Capital Partners IV, L.P. 2019 Vista Healthcare Partners V, L.P. 2022 Viridgepoint Development Capital IV, L.P. 2020 Linven Seventh Fund 2019 VC Capital Partners VIII, L.P. 2029 Viridiron Capital Fund IV, L.P. 2019 Sirdiron Capital Fund V, L.P. 2021 Lil.G. Growth Buyouts & Equity Fund III, L.P. 2019 Iamilton Lane Secondary Fund IV, L.P. 2019 Insight Partners XI, L.P. 2019	\$20,000,000	\$0	\$20,000,000	\$33,046,892	\$78,834	1.7x	10.26
Varburg Pincus Private Equity XII, L.P. 2015 total FCERA PE Portfolio Itaris Health Partners VI, L.P. 2020 urora Equity Partners VI, L.P. 2019 vista Capital Partners IV, L.P. 2018 vista Capital Partners VI, L.P. 2019 vista Healthcare Partners VI, L.P. 2022 ridgepoint Development Capital IV, L.P. 2020 inven Seventh Fund 2019 violat Partners VIII, L.P. 2020 riddiron Capital Pund IV, L.P. 2019 indiron Capital Fund IV, L.P. 2019 indiron Capital Fund VI, L.P. 2021 imidinon Lapital Fund VI, L.P. 2021 imidinon Capital Fund VI, L.P. 2021 GGC Fund IV, L.P. 2019 iamilton Lane Secondary Fund IV, L.P. 2019 iamilton Lane Secondary Fund IV, L.P. 2019 iamilton Lane Secondary Fund IV, L.P. 2019 iamilton Tapital Fund VI, L.P. 2019	\$25,000,000	\$0	\$26,100,000	\$58,384,663	\$0	2.2x	14.50
otal FCERA PE Portfolio amilton Lane PE Portfolio ltaris Health Partners V, L.P. 2020 urora Equity Partners VI, L.P. 2019 vista Capital Partners V, L.P. 2018 vista Capital Partners V, L.P. 2022 ridgepoint Development Capital IV, L.P. 2022 ridgepoint Development Capital IV, L.P. 2020 inven Seventh Fund 2019 VC Capital Partners VIII, L.P. 2020 indiron Capital Fund IV, L.P. 2019 indiron Capital Fund V, L.P. 2022 J.J., Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 GGC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	\$25,000,000	\$0	\$25,046,896	\$44,407,751	\$553,696	1.8x	9.519
otal FCERA PE Portfolio amilton Lane PE Portfolio ltaris Health Partners V, L.P. 2020 urora Equity Partners VI, L.P. 2019 vista Capital Partners V, L.P. 2018 vista Capital Partners V, L.P. 2022 ridgepoint Development Capital IV, L.P. 2022 ridgepoint Development Capital IV, L.P. 2020 inven Seventh Fund 2019 VC Capital Partners VIII, L.P. 2020 indiron Capital Fund IV, L.P. 2019 indiron Capital Fund V, L.P. 2022 J.J., Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 GGC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	\$34,000,000	\$459,000	\$33,558,364	\$27,669,088	\$42,921,423	2.1x	19.29
amilton Lane PE Portfolio Itaris Health Partners V, L.P. 2020 urora Equity Partners VI, L.P. 2019 vista Capital Partners VI, L.P. 2019 vista Capital Partners V, L.P. 2019 vista Healthcare Partners VI, L.P. 2022 ridgepoint Development Capital IV, L.P. 2020 ridgepoint Development Capital IV, L.P. 2020 ridiron Capital Partners VIII, L.P. 2020 ridiron Capital Fund IV, L.P. 2019 ridiron Capital Fund V, L.P. 2019 ridiron Capital Fund V, L.P. 2019 ridiron Capital Fund V, L.P. 2019 GGC Fund IV, L.P. 2019 GGC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	\$372,402,119	\$23,450,139	\$355,002,068	\$490,092,732	\$182,984,270	1.90x	13.87
Itaris Health Partners V, L.P. 2020 urora Equity Partners VI, L.P. 2019 vista Capital Partners IV, L.P. 2018 vista Healthcare Partners VI, L.P. 2022 ridgepoint Development Capital IV, L.P. 2020 inven Seventh Fund 2019 VC Capital Partners VIII, L.P. 2020 ridiron Capital Fund IV, L.P. 2019 vidence Capital Fund IV, L.P. 2019 J.G. Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 GGC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	4012,102,110	420,100,100	***************************************	************	V.02,001,210	1100%	
urora Equity Partners VI, L.P. 2019 vista Capital Partners IV, L.P. 2018 vista Capital Partners IV, L.P. 2019 vista Healthcare Partners VI, L.P. 2022 ridgepoint Development Capital IV, L.P. 2020 inven Seventh Fund 2019 VC Capital Partners VIII, L.P. 2020 ridiron Capital Fund IV, L.P. 2019 ridiron Capital Fund V, L.P. 2022 J.G. Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 GGC Fund IV, L.P. 2019	\$10,000,000	\$5,042,566	\$4,947,442	\$0	\$5,355,583	1.1	8.499
vista Capital Partners IV, L.P. 2018 vista Capital Partners V, L.P. 2019 vista Healthcare Partners VI, L.P. 2022 ridgepoint Development Capital IV, L.P. 2020 ninven Seventh Fund 2019 VC Capital Partners VIII, L.P. 2020 ridiron Capital Fund IV, L.P. 2019 ridiron Capital Fund V, L.P. 2022 J.G. Growth Buyouts & Equity Fund III, L.P. 2017 GGC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	\$10,000,000	\$5,239,286	\$4,761,914	\$1,720	\$4,851,173	1.0x	2.099
rista Capital Partners V, L.P. 2019 rista Healthcare Partners VI, L.P. 2022 tidgepoint Development Capital IV, L.P. 2020 niven Seventh Fund 2019 V/C Capital Partners VIII, L.P. 2020 ridiron Capital Fund IV, L.P. 2019 ridiron Capital Fund V, L.P. 2022 I.G. Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 3GC Fund IV, L.P. 2019	\$10,000,000	\$1,268,428	\$12,363,476	\$17,811,598	\$5,388,787	1.9x	34.83
rista Healthcare Partners VI, L.P. 2022 idigepoint Development Capital IV, L.P. 2020 nven Seventh Fund 2019 VC Capital Partners VIII, L.P. 2019 ididron Capital Fund IV, L.P. 2019 ididron Capital Fund V, L.P. 2022 I.G. Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 3GC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	\$10,000,000	\$671,276	\$10,396,339	\$1,067,615	\$11,796,945	1.2x	20.90
ridgepoint Development Capital IV, L.P. 2020 Inven Seventh Fund 2019 VC Capital Partners VIII, L.P. 2020 ridiron Capital Fund IV, L.P. 2019 ridiron Capital Fund V, L.P. 2022 I.G. Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 GGC Fund IV, L.P. 2019	\$15,000,000	\$15,000,000	\$10,390,339	\$1,007,013	\$0	N/A	0.00
inven Seventh Fund 2019 VC Capital Partners VIII, L.P. 2020 ridiron Capital Fund IV, L.P. 2019 ridiron Capital Fund V, L.P. 2022 .I.G. Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017	\$9,657,756	\$7,941,454	\$1,716,302	\$0	\$1,424,894	0.80x	(26.32
VC Capital Partners VIII, L.P. 2020 ridiron Capital Fund IV, L.P. 2019 ridiron Capital Fund V, L.P. 2022 I.G. Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 GGC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019							
ridiron Capital Fund IV, L.P. 2019 ridiron Capital Fund V, L.P. 2022 I.G. Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 GGC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	\$8,485,495	\$3,467,811	\$5,017,684	\$0	\$5,299,077	1.1x	3.94
ridiron Capital Fund V, L.P. 2022 I.G. Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 GGC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	\$9,780,038	\$4,134,655	\$5,645,143	-\$240	\$5,569,216	1.00x	(2.66
I.G. Growth Buyouts & Equity Fund III, L.P. 2019 amilton Lane Secondary Fund IV, L.P. 2017 3GC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	\$10,000,000	\$969,611	\$10,030,389	\$1,040,361	\$16,571,926	1.8x	38.99
amilton Lane Secondary Fund IV, L.P. 2017 GGC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	\$15,000,000	\$15,000,000	\$0	\$0	\$0	N/A	0.00
GGC Fund IV, L.P. 2019 sight Partners XI, L.P. 2019	\$10,000,000	\$6,314,018	\$3,685,982	\$0	\$3,626,397	1.0x	(1.23
sight Partners XI, L.P. 2019	\$75,000,000	\$32,766,477	\$64,407,538	\$61,219,536	\$43,289,731	1.6x	18.6
	\$10,000,000	\$5,172,342	\$6,129,507	\$1,462,785	\$5,167,103	1.1x	5.91
sight Partners XII, L.P. 2021	\$10,000,000	\$273,185	\$9,730,000	\$17,768	\$15,524,069	1.6x	26.86
	\$20,000,000	\$6,800,000	\$13,200,000	\$26,784	\$11,091,511	0.8x	(16.66
FL Equity Investors V, L.P. 2019	\$10,000,000	\$2,150,173	\$7,849,827	\$0	\$8,629,136	1.1x	6.41
4 Private Investors, L.P. 2018	\$5,000,000	\$349,573	\$4,650,930	\$507	\$7,641,939	1.6x	17.91
5 Private Investors, L.P. 2020	\$10,000,000	\$5,228,266	\$4,771,734	\$0	\$4,822,410	1.0x	1.21
eensight Nova VI SLP 2021	\$18,195,370	\$17,922,988	\$272,382	\$0	\$74,879	0.3x	(72.51
elso Investment Associates X, L.P. 2018	\$7,500,000	\$1,800,590	\$6,773,679	\$1,742,316	\$10,714,272	1.8x	37.11
ewQuest Asia Fund IV, L.P. 2019	\$10,000,000	\$2,371,907	\$8,667,044	\$1,039,131	\$9,396,841	1.2x	18.22
ak Hill Capital Partners V, L.P. 2020	\$10,000,000	\$771,891	\$9,254,714	\$30,109	\$11,802,660	1.3x	21.55
ak Hill Capital Partners VI, L.P. 2022	\$15,000,000	\$15,000,000	\$0	\$0	-\$369,080	N/A	0.00
atinum Equity Capital Partners V, L.P. 2019	\$10,000,000	\$1,098,316	\$9,375,751	\$845,501	\$12,776,548	1.5x	25.84
latinum Equity Capital Partners VI, L.P. 2022	\$15,000,000	\$14,129,442	\$870,558	\$0	\$700,635	0.8x	(19.52
latinum Equity Small Cap Fund, L.P. 2018	\$7,500,000	\$2,578,553	\$5,481,052	\$1,273,747	\$7,668,055	1.6x	24.69
K Capital Partners Fund V, L.P. 2018	\$10,000,000	\$1,551,125	\$9,699,683	\$1,330,877	\$9,787,604	1.1x	7.07
K Capital Partners VI, LP 2021	\$15,000,000	\$15,000,000	\$0	\$0	\$0	N/A	0.00
terling Group Foundation Fund, L.P. 2022	\$15,000,000	\$15,000,000	\$0	\$0	\$0	N/A	0.00
terling Group Partners V, L.P. 2020	\$10,000,000	\$5,853,898	\$3,958,402	\$0	\$4,718,468	1.2x	28.36
TG Allegro Fund, L.P. 2021	\$15,000,000	\$14,179,113	\$820,887	\$0	\$405,280	0.5x	(50.63
TG VI, L.P. 2020	\$10,000,000	\$5,303,430	\$4,696,570	\$0	\$5,168,610	1.1x	9.61
tripes VI, LP 2022	\$15,000,000	\$12,233,384	\$2,766,616	\$36,962	\$2,185,497	0.8x	(22.64
CV XI, L.P. 2020	\$10,000,000	\$4,881,525	\$5,118,476	\$0,902	\$4,856,856	0.9x	(4.45
ne Eighth Cinven Fund 2022	\$19,480,346	\$19,480,346	\$0,118,470	\$0	\$0	N/A	0.00
ne Resolute Fund V, L.P. 2021	\$15,000,000	\$4,571,907	\$10,432,052	\$53,523	\$16,759,353	1.6x	74.92
nomas H. Lee Equity Fund VIII, L.P. 2019							37.22
	\$7,500,000	\$1,140,887	\$7,327,619	\$6,714,313	\$5,315,221	1.6x	
,	\$10,000,000	\$2,774,156	\$8,655,271	\$2,185,361	\$9,369,019	1.3x	28.17
erdane Capital X AB 2019	\$7,337,084	\$437,025	\$6,917,506	\$709,260	\$8,145,623	1.3x	17.67
erdane Capital XI 2022	\$7,385,406	\$7,385,406	\$0	\$0	-\$39,149	N/A	0.00
erdane Edda III 2022	\$7,385,406	\$7,385,406	\$0	\$0	\$0	N/A	0.00
MC III, L.P. 2019	\$6,764,374	\$2,558,558	\$4,205,816	\$2,118	\$3,823,917	0.9x	(7.74
ub Total - Hamilton Lane PE Portfolio	\$531,971,275	\$293,198,974	\$274,598,285	\$98,611,652	\$279,311,006	1.4x	19.76
Total Private Equity	\$904,373,394	\$316,649,113	\$629,600,353	\$588,704,384	\$462,295,276	1.70x	14.2

*NAV provided by Hamilton Lane as of 9/30/2022 adjusted for cash flows that occured during Q4 2022. Cash flows shown are as of 12/31/2022.



	Vintage				Capital			Since
Fund	<u>Year</u>	Commitment	Unfunded	Paid-In Capital	Distributed	NAV	TVPI	Inception IRR
FCERA Private Credit Portfolio								
EQT European Special Situations Debt	2017	\$40,490,450	\$16,140,771	\$33,425,449	\$15,826,526	\$17,998,669	1.06	2.3%
OHA Strategic Credit Fund II	2016	\$40,000,000	\$14,000,000	\$26,000,000	\$13,626,237	\$21,454,972	1.44	13.3%
TSSP Adjacent Opportunities Partners	2016	\$30,000,000	\$14,707,603	\$30,585,708	\$15,244,807	\$25,463,003	1.33	8.9%
GSO European Senior Debt	2015	\$30,000,000	\$7,860,984	\$48,989,368	\$40,121,142	\$12,485,163	1.07	4.5%
CVI Credit Value Fund III	2015	\$30,000,000	\$1,500,000	\$28,500,000	\$29,811,680	\$7,280,389	1.31	7.5%
Colony Distressed Credit III	2014	\$20,000,000	\$2,734,614	\$21,738,035	\$23,045,891	\$3,010,857	1.20	6.1%
Oaktree Opportunities IX	2012	\$15,000,000	\$0	\$15,000,000	\$11,620,156	\$11,488,076	1.66	7.7%
KKR Mezzanine Partners	2010	\$30,000,000	\$944,937	\$37,108,974	\$38,974,495	\$4,025,404	1.16	5.9%
Angelo Gordon VII	2010	\$30,000,000	\$0	\$30,000,000	\$36,780,993	\$0	1.23	5.5%
Colony Distressed Credit I	2009	\$40,000,000	\$0	\$42,267,526	\$64,304,647	\$0	1.52	13.8%
Lone Star Fund IV	2002	\$20,000,000	\$954,801	\$19,045,199	\$44,421,429	\$48,854	2.33	30.2%
TCG BDC II - Carlyle	2017	\$150,000,000	\$4	\$149,999,996	\$148,402,956	\$38,305,584	1.24	9.0%
CPC V - Carlyle	2017	\$150,000,000	\$20,748,973	\$192,740,234	\$63,489,207	\$168,076,118	1.20	7.8%
AlpInvest FC Credit Fund - Carlyle	2017	\$100,000,000	\$23,812,309	\$76,978,494	\$37,649,414	\$52,585,736	1.17	10.2%
Total Pre-2022 FCERA Private Credit Portfolio		\$725,490,450	\$103,404,996	\$752,378,983	\$583,319,580	\$362,222,824	1.26	11.0%
Aksia High Sierra Private Credit Portfolio								
ACORE Capital Special Situations	2020	\$30,000,000	\$13,400,000	\$23,200,000	\$6,300,000	\$17,100,000	1.00	n.m.
Arbour Lane Credit Opportunity Fund III (A)	2021	\$30,000,000	\$17,200,000	\$13,200,000	\$0	\$11,500,000	0.90	n.m.
Barings Global Private Loan Fund 4 SCSp	2022	\$50,000,000	\$24,400,000	\$26,100,000	\$0	\$26,100,000	1.00	n.m.
Fortress Lending Fund III (D)	2022	\$30,000,000	\$11,400,000	\$18,600,000	\$0	\$18,600,000	1.00	n.m.
Total Aksia High Sierra Private Credit		\$140,000,000	\$66,400,000	\$81,100,000	\$6,300,000	\$73,300,000	1.00	n.m.
Total FCERA Private Credit Portfolio		\$865,490,450	\$169,804,996	\$833,478,983	\$589,619,580	\$435,522,824		

Name	Allocation Group	Verus Outlook	#1	#2	#3	#4	#5	#6	Verus Manager Research Views
T. Rowe Price Large Cap Grow	th Domestic Equity Large Cap Growth	Watch	✓	B	✓	√	✓	-	
PIMCO StocksPLUS Small Ful	Domestic Equity Small Cap Core	No Issues	✓	B	✓	R	B	-	
Artisan International Growth	International Equity	No Issues	✓	R	✓	✓	✓	-	
PIMCO RAE Fundamental	International Equity	No Issues	R	✓	✓	✓	✓	-	
Mondrian Emerging Markets	Emerging Markets Equity	Terminate	✓	B	R	R	B	-	Watch status for concerns around style drift coupled with underperformance. Refer to memo from March 2021 meeting.
Baillie Gifford Emerging Marke	ts Emerging Markets Equity	No Issues	✓	B	✓	✓	✓	-	
<u>Legend</u>				Mana	ger_Rev	<u>/iew_R</u>	<u>ıles</u>		
	Indicates Manager/Fund has ribed rule.	not met the		Rule 1 -	Manager I	has under	performed	the be	enchmark index more than half the time over the last 20 quarters.
v v	kmark indicates Manager/Fur ribed rule.	nd has met the		Rule 2 -	Equity ma	nager has	returned	less tha	an 110% of the benchmark index for the three year period.
Dash - the M			Manager I		performed	the 50	th percentile in the appropriate style universe in more than two of the last five years		
Colo	red cell indicates a change fro	m last quarter		1	•	•			in the 50th Percentile in an appropriate style universe for the five year period ([five indard deviation]).

([excess return over benchmark]/[tracking error]).



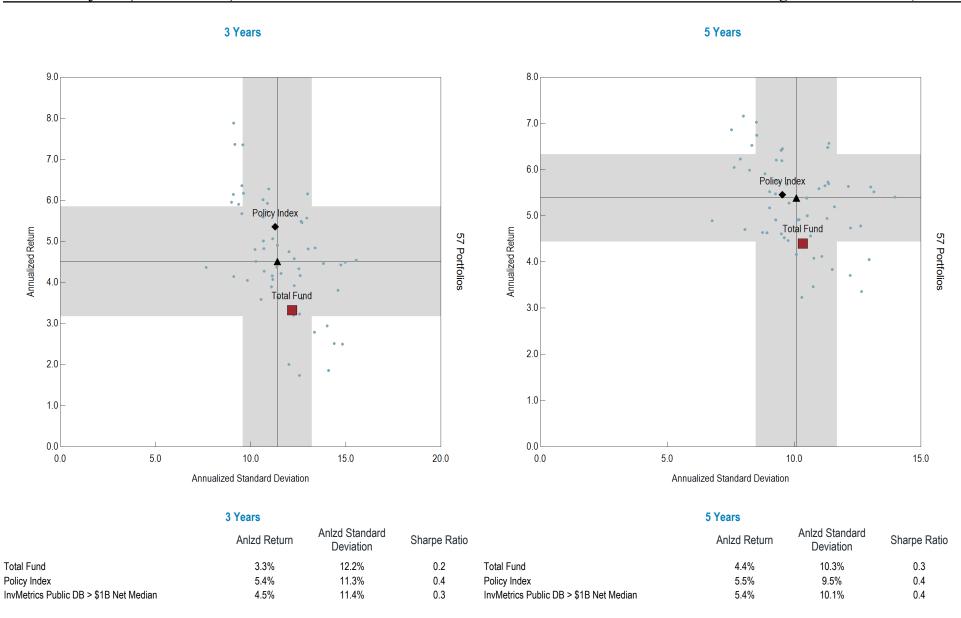
Rule 5 - Manager's Information Ratio is worse than the 50th Percentile in an appropriate style universe for the five year period

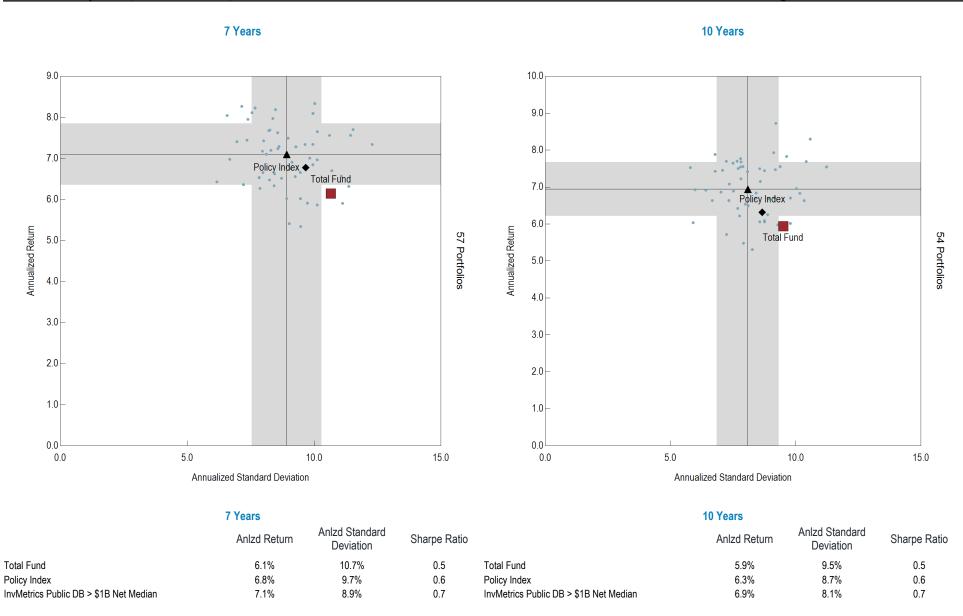
Rule 6 - Fund experiences non-performance related issues including personnel turnover, changes in investment philosophy or

drift, excessive asset growth, change in ownership and any other reason that raises concern.

Name		Allocation Group	Verus Outlook	#1	#2	#3	#4	#5	#6	Verus Manager Research Views
Western Asset Invest	ment Core	Domestic Fixed Income	No Issues	✓	B	B	B	B	-	
PGIM Strategic	Credit	Multi-Sector Credit	Watch	-	-	-	-	-	-	Provisional watch status for concerns around portfolio manager Michael Collins' pending retirement in April 2024. Refer to memo from February 2023 meeting.
<u>Legend</u>					Manag	er_Revi	iew Ru	ıles		
R	Flag Indic	cates Manager/Fund ha d rule.	s not met the						the bei	nchmark index more than half the time over the last 20 quarters.
✓	Checkma described	ark indicates Manager/Fi d rule.	und has met the		Rule 2 - I	Fixed Incon	me mana	ger has re	eturned	less than 105% of the benchmark index for the three year period.
-		rk indicates the rule is rager/Fund.	ot applicable to		1	Manager ha		erformed	the 50t	th percentile in the appropriate style universe in more than two of the last five years
Colored cell indicates a change from last quarter Rule 4 - Manager's Sharpe Ratio is worse than the 50th Percentile in an appropriate style universe for the five year period ([five year return minus five year risk free rate]/[standard deviation]).										
			1	Manager's return over				than the 50th Percentile in an appropriate style universe for the five year period or]).		
			1	•				related issues including personnel turnover, changes in investment philosophy or rship and any other reason that raises concern.		







3 Years

	Anlzd Standard Deviation	Anlzd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sharpe Ratio	Sortino Ratio
Total Fund	12.17%	-2.37%	1.06	0.97	98.82%	110.66%	-0.94	2.16%	0.21	0.37
Total Equity	20.95%	-1.26%	1.02	0.99	98.17%	101.90%	-0.65	1.84%	0.10	0.20
Total Domestic Equity	22.29%	-1.40%	1.02	0.99	96.70%	101.14%	-0.63	2.03%	0.21	0.38
Total International Equity	20.55%	-0.62%	1.04	0.98	107.82%	104.99%	-0.23	2.68%	-0.06	-0.04
Total Domestic Fixed Income	7.95%	1.20%	1.02	0.57	131.33%	105.67%	0.22	5.24%	-0.29	-0.23
Total Real Estate	5.59%	3.40%	0.58	0.73	63.50%	83.40%	-0.09	4.53%	1.41	1.78
Total Infrastructure	5.73%	6.37%	0.34	0.24	56.12%	-53.22%	0.06	7.41%	1.52	2.79
Total Alternative Illiquids	9.18%	14.12%	-0.01	0.00	11.66%	-38.52%	0.18	23.93%	1.45	10.50

5 Years

	Anlzd Standard Deviation	Anlzd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sharpe Ratio	Sortino Ratio
Total Fund	10.35%	-1.44%	1.07	0.97	103.30%	109.86%	-0.57	1.84%	0.30	0.55
Total Equity	18.26%	-0.71%	1.01	0.99	97.85%	100.74%	-0.41	1.60%	0.17	0.35
Total Domestic Equity	19.62%	-1.15%	1.01	0.99	95.57%	100.55%	-0.56	1.84%	0.31	0.54
Total International Equity	17.86%	0.19%	1.03	0.98	107.68%	101.93%	0.09	2.29%	-0.01	0.09
Total Domestic Fixed Income	6.42%	0.77%	0.88	0.49	99.51%	89.42%	0.17	4.63%	-0.07	0.13
Total Real Estate	4.52%	3.69%	0.59	0.73	68.96%	83.40%	0.14	3.60%	1.54	1.73
Total Infrastructure	6.63%	9.16%	0.43	0.18	111.06%	-53.22%	0.68	7.06%	1.70	4.73
Total Alternative Illiquids	8.09%	12.46%	-0.04	0.01	8.75%	-44.16%	0.03	21.49%	1.33	8.05



7 Years

	Anlzd Standard Deviation	Anizd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sharpe Ratio	Sortino Ratio
Total Fund	10.66%	-1.25%	1.09	0.98	102.23%	113.16%	-0.34	1.86%	0.48	0.63
Total Equity	18.52%	-0.99%	1.03	0.99	97.25%	102.95%	-0.53	1.49%	0.33	0.45
Total Domestic Equity	19.08%	-1.62%	1.04	0.99	94.08%	103.27%	-0.60	2.04%	0.43	0.55
Total International Equity	18.86%	-0.09%	1.04	0.98	106.29%	102.77%	0.04	2.43%	0.20	0.34
Total Domestic Fixed Income	6.68%	1.56%	0.85	0.41	119.08%	81.01%	0.28	5.19%	0.19	0.44
Total Real Estate	4.19%	2.12%	0.78	0.85	102.44%	72.91%	0.24	1.96%	1.67	4.36
Total Alternative Illiquids	5.79%	11.85%	-0.02	0.00	22.80%	-35.57%	-0.11	19.60%	1.81	20.73

10 Years

	Anlzd Standard Deviation	Anlzd Alpha	Beta	R-Squared	Up Mkt Capture Ratio	Down Mkt Capture Ratio	Information Ratio	Tracking Error	Sharpe Ratio	Sortino Ratio
Total Fund	9.50%	-0.90%	1.08	0.97	103.03%	110.63%	-0.22	1.71%	0.55	0.68
Total Equity	16.43%	-0.41%	1.03	0.99	101.25%	101.95%	-0.12	1.50%	0.43	0.53
Total Domestic Equity	16.84%	-1.02%	1.04	0.99	98.65%	103.35%	-0.28	2.00%	0.61	0.70
Total International Equity	16.95%	0.19%	1.03	0.98	106.29%	100.84%	0.14	2.29%	0.20	0.31
Total Domestic Fixed Income	5.83%	1.08%	0.86	0.43	110.08%	81.52%	0.21	4.43%	0.21	0.43
Total Real Estate	3.73%	2.20%	0.79	0.81	100.72%	72.91%	0.14	1.84%	2.32	5.08
Total Alternative Illiquids	6.02%	10.24%	0.03	0.01	20.11%	-25.25%	-0.25	16.81%	1.65	5.24



Total Fund vs. InvestorForce Public DB > \$1B Net Universe



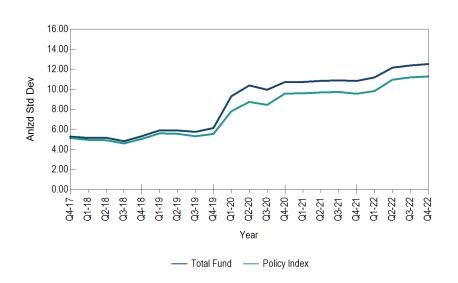


Total Fund vs. InvestorForce Public DB > \$1B Net Universe

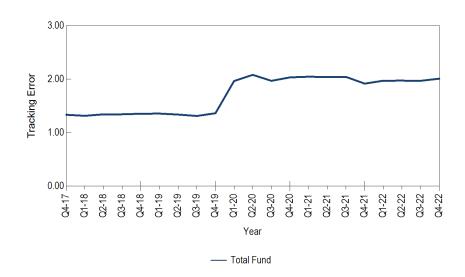




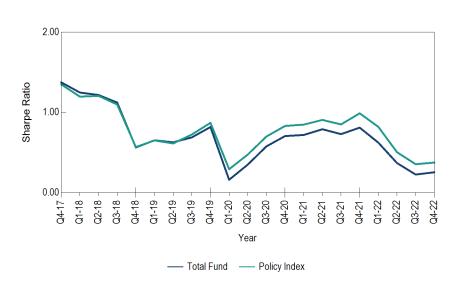
Rolling 5 Year Annualized Standard Deviation



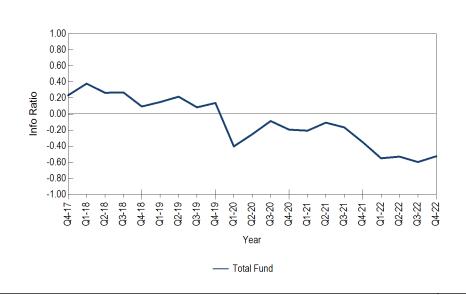
Rolling 5 Year Tracking Error



Rolling 5 Year Sharpe Ratio

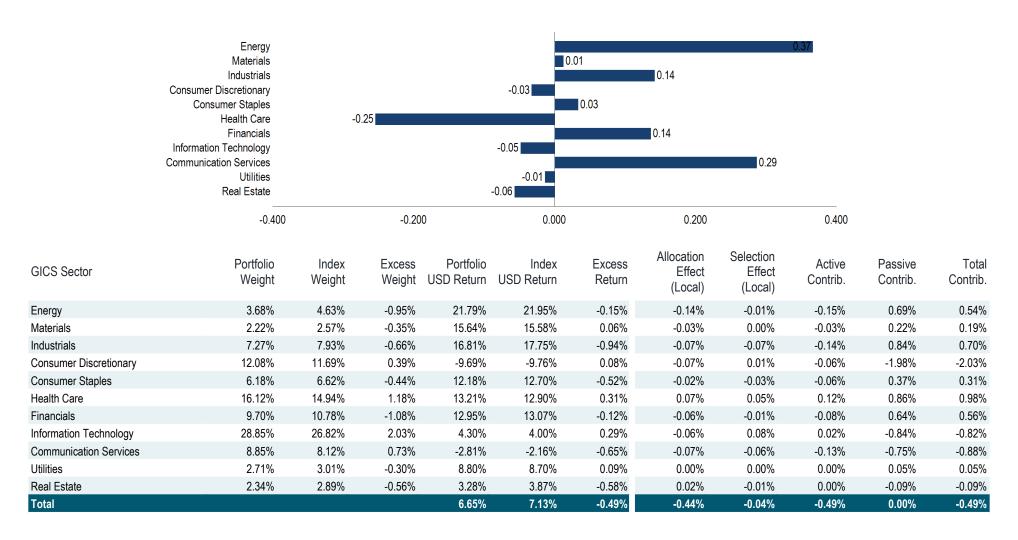


Rolling 5 Year Information Ratio





Total Domestic Equity vs. MSCI USA Current Quarter



Please note that attribution portfolio return is calculated based on portfolio holding returns and beginning of period portfolio weights, the effects of transactions during the period are not reflected in the return. The attribution portfolio return will vary from the composite return. PIMCO Stock Plus Small Fund is not included in holdings analysis.



Portfolio: Total Domestic Equity Benchmark: MSCI USA	
Portfolio Total Return	6.72%
Portfolio Benchmark Return From Active Mgmt	Equity Only 7.69% 7.12% 0.57%
Local Returns Portfolio Benchmark Active Equity Return	7.69% <u>7.12%</u> 0.57%
Country Selection Stock Selection	0.08% 0.49%
Currency Contributions Portfolio Benchmark Active Currency Contributions	0.00% <u>0.00%</u> 0.00%

Total International Equity vs. MSCI ACWI ex USA

Current Quarter

	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Active Return	Allocation Effect (Local)	Selection Effect (Local)	Currency Effect
ARGENTINA	0.30%	0.00%	0.30%	8.92%	10.55%	-1.63%	0.02%	0.02%	-0.01%	0.00%
AUSTRALIA	3.46%	4.99%	-1.53%	4.70%	16.01%	-11.30%	-0.35%	0.00%	-0.02%	-0.33%
AUSTRIA	0.12%	0.11%	0.01%	17.68%	31.13%	-13.45%	-0.01%	0.00%	0.01%	-0.01%
BELGIUM	0.78%	0.62%	0.17%	12.29%	22.69%	-10.40%	-0.07%	0.01%	-0.18%	0.11%
BRAZIL	2.28%	1.69%	0.60%	8.54%	1.63%	6.91%	0.25%	0.20%	0.07%	-0.01%
CANADA	7.54%	8.25%	-0.71%	8.42%	7.65%	0.77%	0.12%	0.05%	0.09%	-0.02%
CHILE	0.00%	0.17%	-0.17%		7.55%	-7.55%	0.00%	0.02%	0.00%	-0.02%
CHINA	6.30%	9.18%	-2.88%	-15.54%	13.74%	-29.28%	-1.81%	-1.59%	-0.09%	-0.12%
COLOMBIA	0.00%	0.04%	-0.04%		18.05%	-18.05%	0.00%	-0.01%	0.00%	0.00%
CZECH REPUBLIC	0.00%	0.04%	-0.04%		7.49%	-7.49%	0.00%	0.01%	0.00%	0.00%
DENMARK	1.29%	1.65%	-0.37%	36.30%	31.69%	4.61%	0.13%	0.01%	0.11%	0.00%
EGYPT	0.00%	0.02%	-0.02%		28.37%	-28.37%	0.00%	-0.01%	0.00%	0.01%
FINLAND	0.83%	0.64%	0.19%	5.96%	16.43%	-10.47%	-0.03%	0.01%	0.02%	-0.05%
FRANCE	7.02%	7.07%	-0.04%	22.79%	22.36%	0.43%	0.52%	-0.08%	0.08%	0.52%
GERMANY	4.60%	4.73%	-0.13%	13.59%	24.58%	-10.99%	-0.39%	0.08%	-1.10%	0.63%
GREECE	0.00%	0.08%	-0.08%		28.95%	-28.95%	-0.02%	-0.01%	0.00%	-0.01%
HONG KONG	3.14%	1.89%	1.24%	-17.63%	18.43%	-36.05%	-0.89%	-0.69%	-0.19%	-0.01%
HUNGARY	0.00%	0.04%	-0.04%		36.01%	-36.01%	-0.01%	-0.01%	0.00%	-0.01%
INDIA	3.17%	4.49%	-1.31%	7.53%	2.02%	5.51%	0.33%	0.15%	0.17%	0.02%
INDONESIA	0.69%	0.65%	0.04%	0.88%	-3.21%	4.09%	0.06%	0.06%	0.01%	0.00%
IRELAND	0.44%	0.37%	0.07%	7.98%	18.50%	-10.51%	-0.04%	0.00%	-0.01%	-0.03%
ISRAEL	0.62%	0.53%	0.09%	8.63%	0.88%	7.75%	0.08%	0.08%	0.00%	0.00%
ITALY	1.57%	1.41%	0.16%	37.94%	26.73%	11.21%	0.18%	0.01%	0.16%	0.01%
JAPAN	13.44%	14.12%	-0.69%	8.97%	13.22%	-4.26%	-0.82%	1.01%	-0.11%	-1.71%
KOREA	3.36%	3.12%	0.24%	11.52%	18.28%	-6.76%	-0.04%	0.31%	0.11%	-0.46%
KUWAIT	0.00%	0.26%	-0.26%		6.16%	-6.16%	0.01%	0.01%	0.00%	0.00%



	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Active Return	Allocation Effect (Local)	Selection Effect (Local)	Currency Effect
LUXEMBOURG	0.07%	0.00%	0.07%	14.98%	2.94%	12.05%	0.01%	0.00%	0.01%	0.00%
MALAYSIA	0.00%	0.45%	-0.45%		14.93%	-14.93%	-0.03%	0.00%	0.00%	-0.03%
MEXICO	1.14%	0.65%	0.48%	24.16%	10.65%	13.51%	0.18%	-0.06%	0.25%	-0.01%
NETHERLANDS	6.27%	2.57%	3.69%	18.90%	21.12%	-2.23%	0.46%	0.22%	-0.06%	0.30%
NEW ZEALAND	0.14%	0.11%	0.03%	6.79%	24.74%	-17.94%	-0.01%	0.00%	0.00%	-0.01%
NORWAY	0.33%	0.49%	-0.16%	13.46%	16.87%	-3.41%	-0.01%	0.02%	0.01%	-0.04%
Other Countries	0.37%	0.00%	0.37%	28.53%	28.46%	0.07%	0.14%	0.00%	0.01%	0.13%
PERU	0.45%	0.07%	0.38%	19.19%	17.38%	1.81%	0.07%	0.04%	0.03%	0.00%
PHILIPPINES	0.00%	0.21%	-0.21%		21.61%	-21.61%	-0.03%	-0.02%	0.00%	-0.01%
POLAND	0.05%	0.15%	-0.10%	13.23%	48.87%	-35.64%	-0.06%	-0.03%	0.00%	-0.02%
PORTUGAL	0.24%	0.14%	0.09%	5.91%	17.28%	-11.37%	-0.01%	0.00%	0.01%	-0.01%
QATAR	0.00%	0.37%	-0.37%		-15.42%	15.42%	0.09%	0.09%	0.00%	0.00%
RUSSIA	0.04%	0.00%	0.04%	0.41%	14.42%	-14.00%	-0.01%	0.00%	-0.01%	0.00%
SAUDI ARABIA	0.00%	1.40%	-1.40%		-7.31%	7.31%	0.22%	0.22%	0.00%	0.00%
SINGAPORE	0.79%	0.99%	-0.20%	5.83%	10.49%	-4.66%	-0.01%	0.01%	-0.05%	0.03%
SOUTH AFRICA	0.08%	1.01%	-0.93%	9.71%	18.92%	-9.20%	-0.11%	-0.04%	0.01%	-0.07%
SPAIN	2.23%	1.48%	0.76%	19.60%	23.29%	-3.69%	0.03%	0.05%	-0.03%	0.01%
SWEDEN	1.21%	2.13%	-0.92%	7.39%	18.36%	-10.98%	-0.17%	-0.02%	0.00%	-0.15%
SWITZERLAND	6.98%	6.72%	0.26%	16.54%	10.17%	6.37%	0.61%	-0.12%	0.52%	0.21%
TAIWAN	3.28%	4.05%	-0.77%	-5.61%	9.74%	-15.35%	-0.40%	-0.17%	-0.01%	-0.22%
THAILAND	0.19%	0.62%	-0.43%	10.07%	16.43%	-6.36%	-0.04%	0.01%	0.02%	-0.06%
TURKEY	0.00%	0.11%	-0.11%		67.63%	-67.63%	-0.07%	-0.07%	0.00%	0.00%
UNITED ARAB EMIRATES	0.00%	0.41%	-0.41%		-1.44%	1.44%	0.04%	0.04%	0.00%	0.00%
UNITED KINGDOM	8.46%	9.71%	-1.25%	15.00%	17.50%	-2.51%	-0.23%	0.03%	0.00%	-0.26%
UNITED STATES	5.26%	0.00%	5.26%	11.28%	6.98%	4.30%	-0.49%	-0.99%	-0.31%	0.81%
	98.52%	100.00%	-1.48%	11.82%	14.42%	-2.59%	-2.59%	-1.15%	-0.52%	-0.92%



Total International Equity vs. MSCI ACWI ex USA

Current Quarter

Currency Name	Portfolio Weight	Index Weight	Excess Weight	Currency Return	Portfolio Contrib.	Index Contrib.	Active Contrib.	Currency Effect
	0.37%	0.00%	0.37%	-	0.00%	6.45%	-6.45%	0.13%
Argenintinian Nuevo Peso	0.30%	0.00%	0.30%	-16.82%	0.00%	6.45%	-6.45%	0.00%
Australian Dollar	3.46%	4.99%	-1.53%	5.47%	-0.70%	6.04%	-6.75%	-0.33%
Baht	0.19%	0.62%	-0.43%	8.91%	-1.00%	9.80%	-10.80%	-0.06%
Canadian Dollar	7.54%	8.25%	-0.71%	1.41%	1.52%	1.54%	-0.02%	-0.02%
Chilean Peso	0.00%	0.17%	-0.17%	12.44%	0.00%	12.38%	-12.38%	-0.02%
Colombian Peso	0.00%	0.04%	-0.04%	-5.26%	0.00%	-6.31%	6.31%	0.00%
Cruzeiro Real	2.28%	1.69%	0.60%	2.45%	1.39%	2.36%	-0.97%	-0.01%
Czech Koruna	0.00%	0.04%	-0.04%	10.83%	0.00%	10.67%	-10.67%	0.00%
Danish Krone	1.29%	1.65%	-0.37%	8.93%	9.83%	10.92%	-1.09%	0.00%
Egytian Pound	0.00%	0.02%	-0.02%	-21.07%	0.00%	-34.32%	34.32%	0.01%
Emirati dirham	0.00%	0.41%	-0.41%	0.01%	0.00%	0.01%	-0.01%	0.00%
Euro	24.18%	19.20%	4.98%	8.94%	8.44%	10.10%	-1.66%	1.47%
Forint	0.00%	0.04%	-0.04%	15.10%	0.00%	17.57%	-17.57%	-0.01%
Hong Kong Dollar	3.14%	1.89%	1.24%	0.58%	0.01%	0.76%	-0.76%	-0.01%
Indian Rupee	3.17%	4.49%	-1.31%	-1.67%	-1.63%	-1.74%	0.11%	0.02%
Kuwaiti dinar	0.00%	0.26%	-0.26%	1.27%	0.00%	1.20%	-1.20%	0.00%
Mexican New Peso	1.14%	0.65%	0.48%	3.18%	0.98%	3.21%	-2.23%	-0.01%
New Sol	0.45%	0.07%	0.38%	4.30%	0.00%	0.00%	0.00%	0.00%
New Taiwan Dollar	3.28%	4.05%	-0.77%	3.30%	-1.44%	3.69%	-5.12%	-0.22%
New Zealand Dollar	0.14%	0.11%	0.03%	11.81%	2.28%	13.24%	-10.96%	-0.01%
New Zloty	0.05%	0.15%	-0.10%	12.60%	4.11%	17.17%	-13.06%	-0.02%
Norwegian Krone	0.33%	0.49%	-0.16%	10.62%	4.89%	10.86%	-5.97%	-0.04%
Philippines Peso	0.00%	0.21%	-0.21%	5.20%	0.00%	6.32%	-6.32%	-0.01%
Pound Sterling	8.46%	9.71%	-1.25%	7.76%	6.33%	8.84%	-2.50%	-0.26%
Qatari rial	0.00%	0.37%	-0.37%	0.00%	0.00%	0.01%	-0.01%	0.00%
Rand	0.08%	1.01%	-0.93%	5.63%	-1.97%	6.70%	-8.67%	-0.07%



Total International Equity Performance Attribution by Currency (Net of Fees)

Period Ending: December 31, 2022

Currency Name	Portfolio Weight	Index Weight	Excess Weight	Currency Return	Portfolio Contrib.	Index Contrib.	Active Contrib.	Currency Effect
Ringgit (Malaysian Dollar)	0.00%	0.45%	-0.45%	5.27%	0.00%	6.62%	-6.62%	-0.03%
Rupiah	0.69%	0.65%	0.04%	-2.18%	-2.68%	-1.93%	-0.75%	0.00%
Russian Federation Rouble	0.04%	0.00%	0.04%	-16.27%	0.41%	6.45%	-6.04%	0.00%
Saudi Arabian Riyal	0.00%	1.40%	-1.40%	-0.03%	0.00%	-0.03%	0.03%	0.00%
Shekel	0.62%	0.53%	0.09%	0.81%	0.82%	0.85%	-0.03%	0.00%
Singapore Dollar	0.79%	0.99%	-0.20%	6.99%	6.72%	6.44%	0.28%	0.03%
South Korean Won	3.36%	3.12%	0.24%	13.14%	0.63%	14.69%	-14.06%	-0.46%
Swedish Krona	1.21%	2.13%	-0.92%	6.51%	0.67%	7.26%	-6.59%	-0.15%
Swiss Franc	6.98%	6.72%	0.26%	6.38%	7.01%	6.37%	0.63%	0.21%
Turkish Lira	0.00%	0.11%	-0.11%	-0.97%	0.00%	-1.69%	1.69%	0.00%
US Dollar	5.26%	0.00%	5.26%	0.00%	4.45%	6.45%	-2.00%	0.81%
Yen	13.44%	14.12%	-0.69%	9.70%	9.65%	10.03%	-0.38%	-1.71%
Yuan Renminbi	6.30%	9.18%	-2.88%	2.01%	-0.39%	1.03%	-1.42%	-0.12%
	98.52%	100.00%	-1.48%		4.82%	6.45%	-1.63%	-0.92%



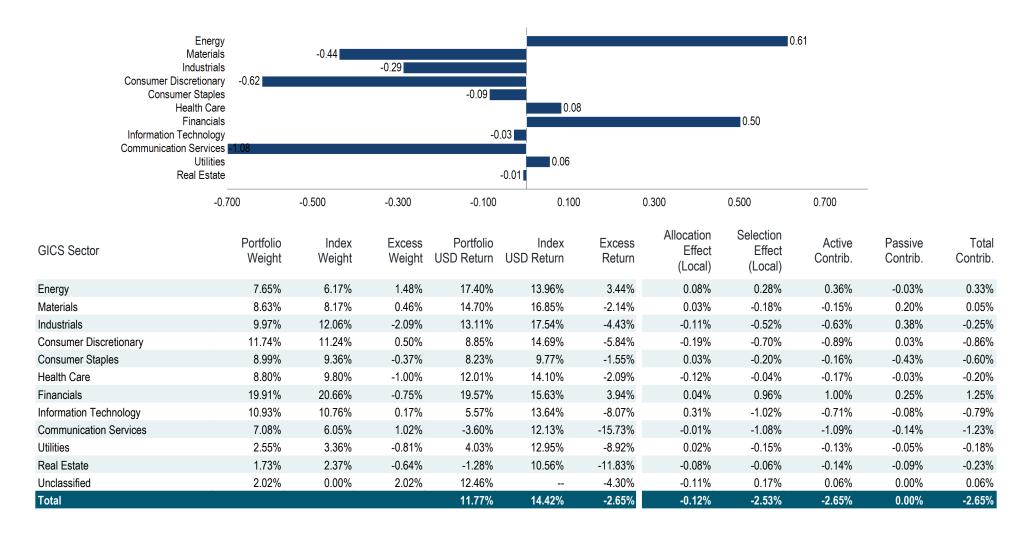
Total International Equity vs. MSCI ACWI ex USA Current Quarter

Region	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Americas	16.96%	10.88%	6.08%	10.85%	6.99%	3.86%	-0.98%	1.12%	0.14%	-0.81%	-0.66%
Europe	42.54%	40.14%	2.39%	18.43%	19.62%	-1.19%	-0.06%	0.97%	0.91%	2.09%	3.00%
Asia/Pacific	37.96%	44.87%	-6.91%	4.24%	12.61%	-8.36%	-0.91%	-3.12%	-4.04%	-0.81%	-4.85%
Other	2.54%	4.11%	-1.56%	17.20%	3.04%	14.16%	0.16%	0.23%	0.39%	-0.47%	-0.08%
Total				11.82%	14.42%	-2.59%	-1.79%	-0.80%	-2.59%	0.00%	-2.59%

Region	Portfolio Weight	Index Weight	Excess Weight	Portfolio USD Return	Index USD Return	Excess USD Return	Allocation Effect (Local)	Selection Effect (Local)	Active Contrib.	Passive Contrib.	Total Contrib.
Americas	16.96%	10.88%	6.08%	10.85%	6.99%	3.86%	-0.98%	1.12%	0.14%	-0.81%	-0.66%
Europe	42.54%	40.14%	2.39%	18.43%	19.62%	-1.19%	-0.06%	0.97%	0.91%	2.09%	3.00%
Asia/Pacific	37.96%	44.87%	-6.91%	4.24%	12.61%	-8.36%	-0.91%	-3.12%	-4.04%	-0.81%	-4.85%
Other	2.54%	4.11%	-1.56%	17.20%	3.04%	14.16%	0.16%	0.23%	0.39%	-0.47%	-0.08%
Total				11.82%	14.42%	-2.59%	-1.79%	-0.80%	-2.59%	0.00%	-2.59%



Total International Equity vs. MSCI ACWI ex USA Current Quarter



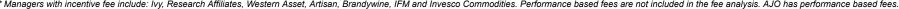


Portfolio: Total International Equity Benchmark: MSCI ACWI ex USA	
Portfolio Total Return	15.74%
Portfolio Benchmark Return From Active Mgmt	Equity Only 11.82% <u>14.42%</u> -2.59%
Local Returns Portfolio Benchmark Active Equity Return	6.26% <u>7.94%</u> -1.68%
Country Selection Stock Selection	-1.15% -0.52%
Currency Contributions Portfolio Benchmark Active Currency Contributions	4.82% <u>6.45%</u> -1.63%

Account	Fee Schedule	Market Value As of 12/31/2022	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
NT MSCI US Index	0.01% of Assets	\$838,643,528	\$83,864	0.01%
MSCI Factor Mix Index	0.05% of First 50.0 Mil, 0.04% of Next 50.0 Mil, 0.02% Thereafter	\$173,675,721	\$59,735	0.03%
T. Rowe Price Large Cap Growth	0.35% of Assets	\$139,291,917	\$487,522	0.35%
PIMCO StocksPLUS Small Fund	0.50% of First 150.0 Mil, 0.45% Thereafter	\$314,341,857	\$1,489,538	0.47%
NT MSCI World Ex-US Index	0.25% of Assets	\$395,774,194	\$989,435	0.25%
Artisan International Growth	0.30% of Assets	\$233,633,419	\$700,900	0.30%
PIMCO RAE International	0.35% of First 50.0 Mil, 0.30% of Next 50.0 Mil, 0.25% Thereafter	\$230,132,142	\$650,330	0.28%
Mondrian Emerging Markets	1.00% of First 25.0 Mil, 0.75% of Next 50.0 Mil, 0.60% Thereafter	\$147,051,041	\$1,057,306	0.72%
Baillie Gifford Emerging Markets	0.85% of Assets	\$145,213,013	\$1,234,311	0.85%
PGIM Strategic Credit	0.37% of First 100.0 Mil, 0.35% Thereafter	\$339,242,861	\$1,207,350	0.36%
HPS Institutional Credit	0.50% of Assets	\$208,354,337	\$1,041,772	0.50%
RBC Access Capital	0.30% of First 100.0 Mil, 0.20% Thereafter	\$51,789,096	\$155,367	0.30%

This fee analysis only reflects base fees for investment management, does not incorporate performance-based fees, and excludes fees paid to closed end real estate managers, private equity managers and GCM Better Futures Fund. Closed end real estate and private equity fees have other components which cannot be easily captured in this simplified format.

* Managers with incentive fee include: Ivy, Research Affiliates, Western Asset, Artisan, Brandywine, IFM and Invesco Commodities. Performance based fees are not included in the fee analysis. AJO has performance based fees.



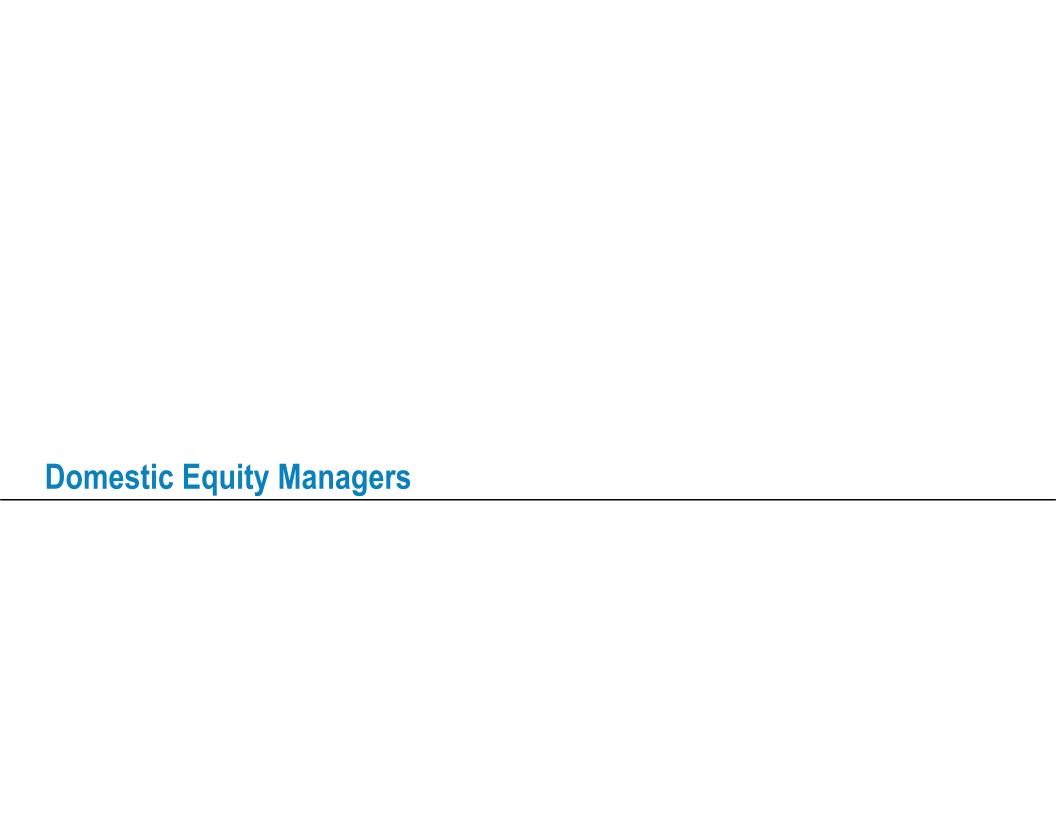


Account	Fee Schedule	Market Value As of 12/31/2022	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Invesco Core Real Estate	0.90% of First 75.0 Mil, 0.80% Thereafter	\$214,882,520	\$1,794,060	0.83%
Harrison Street	0.75% of Assets	\$124,800,672	\$936,005	0.75%
IFM Infrastructure	0.77% of Assets	\$284,882,239	\$2,193,593	0.77%
Parametric Overlay	0.15% of First 25.0 Mil, 0.10% of Next 75.0 Mil, 0.04% Thereafter	\$23,829,630	\$35,744	0.15%
Investment Management Fee		\$3,865,538,189	\$14,116,834	0.37%

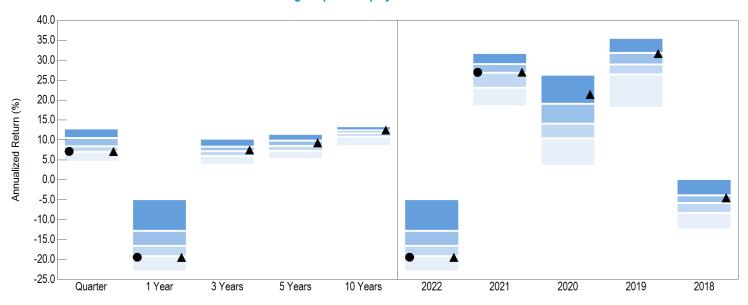
This fee analysis only reflects base fees for investment management, does not incorporate performance-based fees, and excludes fees paid to closed end real estate managers, private equity managers and GCM Better Futures Fund. Closed end real estate and private equity fees have other components which cannot be easily captured in this simplified format.

^{*} Managers with incentive fee include: Ivy, Research Affiliates, Western Asset, Artisan, Brandywine, IFM, Invesco Commodities and TCW TALF Opportunities Fund LP. Performance based fees are not included in the fee analysis. AJO has performance based fees.





NT MSCI US Index vs. eV US Large Cap Core Equity Net Universe



	5th Percentile
	25th Percentile
	Median
	75th Percentile
	95th Percentile
	# of Portfolios
•	NT MSCI US Inde
	MSCI USA

Return (Rank)

12.8		-4.9		10.3		11.5		13.4		-4.9		31.8		26.4	
10.5		-12.8		8.3		9.9		12.4		-12.8		29.0		19.1	
8.5		-16.5		7.2		8.5		11.7		-16.5		26.9		14.1	
7.1		-19.1		6.0		7.3		10.9		-19.1		23.1		10.4	
4.5		-23.0		3.8		5.2		8.5		-23.0		18.5		3.5	
284		282		274		262		203		282		217		216	
7.1	(75)	-19.4	(77)		()		()		()	-19.4	(77)	27.0	(48)		(-
7.1	(75)	-19.5	(77)	7.5	(42)	9.3	(37)	12.5	(25)	-19.5	(77)	27.0	(47)	21.4	(1



35.5

31.9

28.9

26.5

18.1

203

31.6

0.1

-3.8

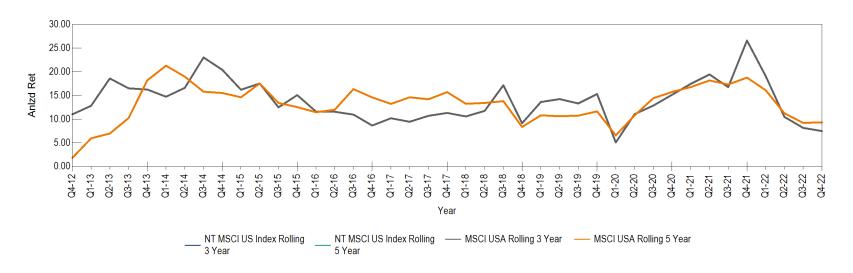
-5.8

-8.3 -12.5

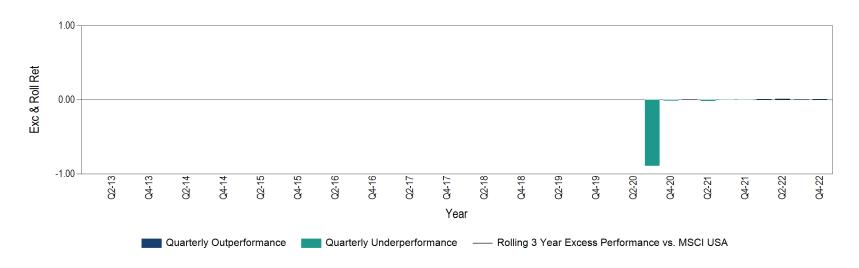
189

-- (--) -4.5 (32)

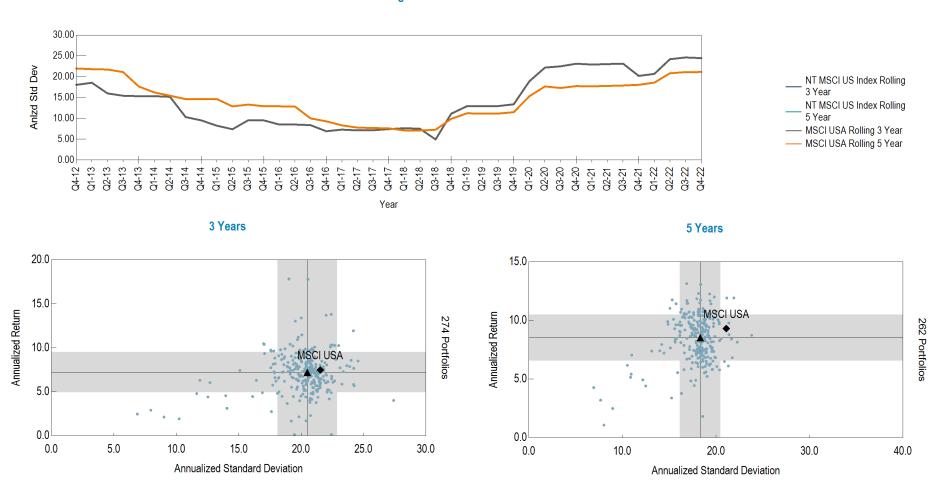
Rolling Annualized Return (%)



Rolling Annualized Excess Performance





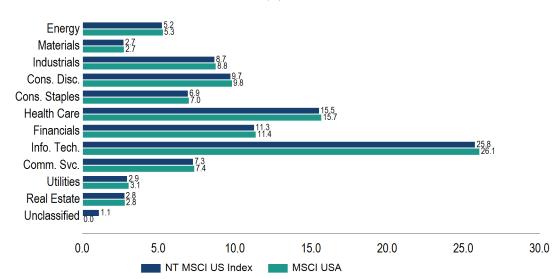




Characteristics

	Portfolio	MSCI USA
Number of Holdings	628	624
Weighted Avg. Market Cap. (\$B)	398.01	398.30
Median Market Cap. (\$B)	24.06	24.06
Price To Earnings	19.21	19.21
Price To Book	3.92	3.92
Price To Sales	2.57	2.56
Return on Equity (%)	28.98	28.99
Yield (%)	1.74	1.74
Beta		1.00

Sector Allocation (%) vs MSCI USA



Larc	ıest	Н	0	d	in	a	S	

Top Contributors

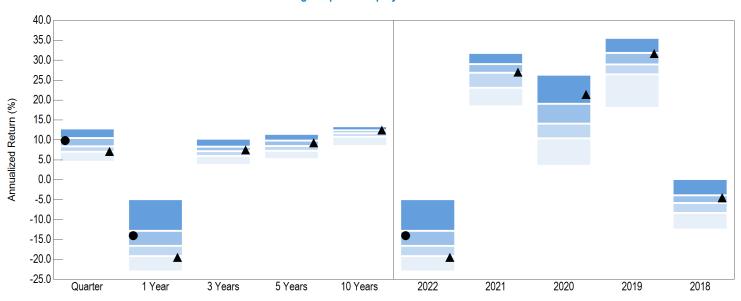
Bottom Contributors

Laryest	Holuliys		11	op Continuator	3	Dottoili Contributors					
	End Weight	Return		End Weight	Return	Contribution	1	End Weight	Return	Contribution	
APPLE INC	6.09	-5.83	EXXON MOBIL CORP	1.34	27.35	0.37	AMAZON.COM INC	2.24	-25.66	-0.58	
MICROSOFT CORP	4.95	3.26	JPMORGAN CHASE & CO	1.15	29.49	0.34	TESLA INC	0.96	-53.56	-0.51	
AMAZON.COM INC	2.24	-25.66	CHEVRON CORP	0.97	25.90	0.25	APPLE INC	6.09	-5.83	-0.35	
ALPHABET INC	1.54	-7.76	MERCK & CO INC	0.82	29.67	0.24	ALPHABET INC	1.54	-7.76	-0.12	
UNITEDHEALTH GROUP INC	1.44	5.30	PROCTER & GAMBLE CO	1.05	20.91	0.22	ALPHABET INC	1.43	-7.72	-0.11	
ALPHABET INC	1.43	-7.72	(THE)	1.05	20.31	0.22	META PLATFORMS INC	0.80	-11.31	-0.09	
JOHNSON & JOHNSON	1.35	8.83	NVIDIA CORPORATION	1.06	20.42	0.22	PAYPAL HOLDINGS INC	0.23	-17.25	-0.04	
EXXON MOBIL CORP	1.34	27.35	MASTERCARD INC	0.87	22.49	0.20	WALT DISNEY CO (THE)	0.46	-7.90	-0.04	
BERKSHIRE HATHAWAY INC	1.17	15.68	BERKSHIRE HATHAWAY	1.17	15.68	0.18	SALESFORCE INC	0.39	-7.82	-0.03	
JPMORGAN CHASE & CO	1.15	29.49	INC				CROWDSTRIKE	0.06	26 11	0.00	
			ABBVIE INC	0.83	21.60	0.18	HOLDINGS INC	0.06	-36.11	-0.02	
			BOEING CO	0.31	57.33	0.18					

Unclassified sector allocation includes cash allocations.



MSCI Factor Mix Index vs. eV US Large Cap Core Equity Net Universe

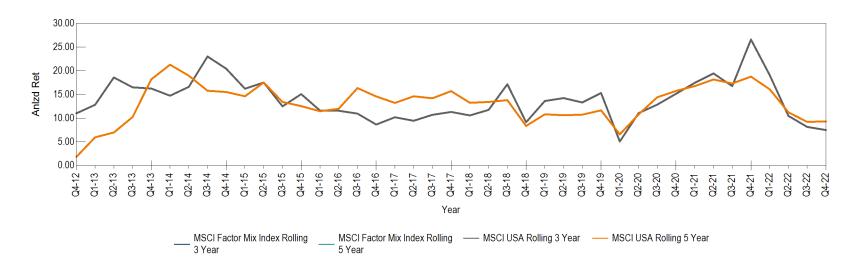


	5th Percentile
	25th Percentile
	Median
	75th Percentile
	95th Percentile
	# of Portfolios
•	MSCI Factor Mix

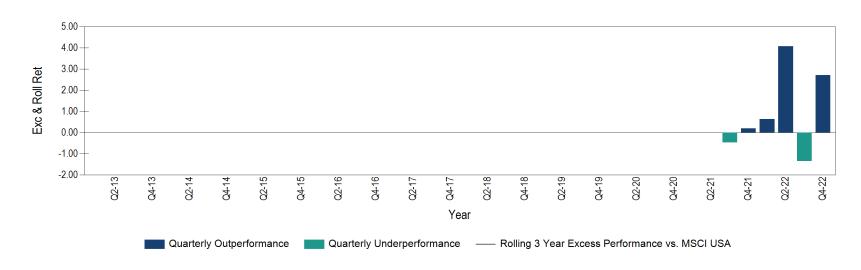
MSCI Factor Mix Index
MSCI USA

Return (Rank)																		
12.8	-	-4.9		10.3		11.5		13.4		-4.9		31.8		26.4		35.5		0.1	
10.5		-12.8		8.3		9.9		12.4		-12.8		29.0		19.1		31.9		-3.8	
8.5		-16.5		7.2		8.5		11.7		-16.5		26.9		14.1		28.9		-5.8	
7.1		-19.1		6.0		7.3		10.9		-19.1		23.1		10.4		26.5		-8.3	
4.5		-23.0		3.8		5.2		8.5		-23.0		18.5		3.5		18.1		-12.5	
284		282		274		262		203		282		217		216		203		189	
9.8	(31)	-14.0	(34)		()		()		()	-14.0	(34)		()		()		()		()
7.1	(75)	-19.5	(77)	7.5	(42)	9.3	(37)	12.5	(25)	-19.5	(77)	27.0	(47)	21.4	(17)	31.6	(28)	-4.5	(32)





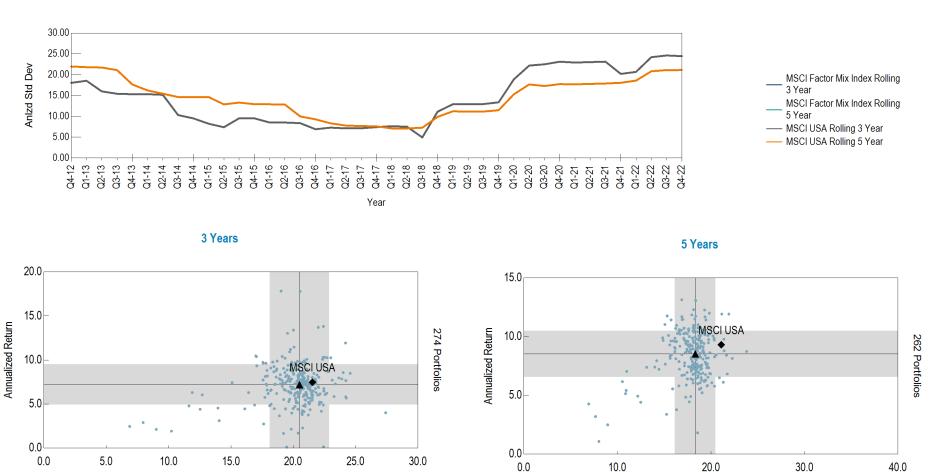
Rolling Annualized Excess Performance





Annualized Standard Deviation

Rolling Annualized Standard Deviation



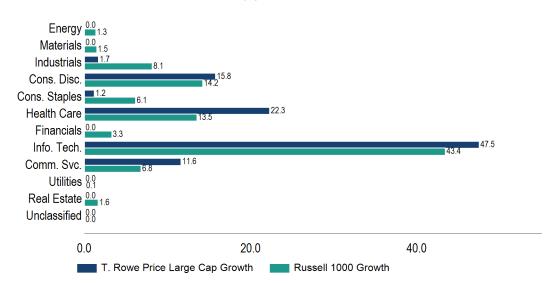


Annualized Standard Deviation

Characteristics

	Portfolio	
Number of Holdings	606	
Weighted Avg. Market Cap. (\$B)	281.73	
Median Market Cap. (\$B)	24.32	
Price To Earnings	18.34	
Price To Book	3.95	
Price To Sales	2.29	
Return on Equity (%)	30.84	
Yield (%)	1.94	
Beta		

Sector Allocation (%) vs Russell 1000 Growth



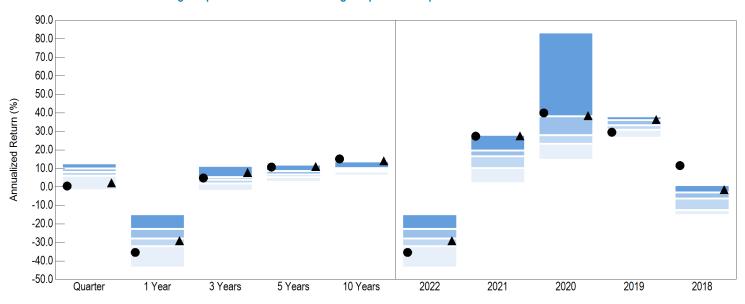
Largest Holdings Top Contributors Bottom Contributors

	End Weight	Return		End Weight	Return	Contribution	on	End Weight	Return	Contribution
MICROSOFT CORP	12.34	3.26	MERCK & CO INC	1.71	29.67	0.51	META PLATFORMS INC	1.37	-11.31	-0.15
APPLE INC	7.32	-5.83	HOME DEPOT INC. (THE)	2.20	15.14	0.33	APPLE INC	2.54	-5.83	-0.15
ALPHABET INC	7.17	-7.76	MASTERCARD INC	1.47	22.49	0.33	AMAZON.COM INC	0.56	-25.66	-0.14
AMAZON.COM INC	6.30	-25.66	VISA INC	1.65	17.22	0.28	ALPHABET INC	1.39	-7.72	-0.11
UNITEDHEALTH GROUP INC	5.19	5.30	PFIZER INC	1.56	18.10	0.28	ALPHABET INC	1.15	-7.76	-0.09
THE CIGNA GROUP	4.10	19.82	JPMORGAN CHASE & CO	0.91	29.49	0.27	COSTCO WHOLESALE	0.80	-3.16	-0.03
INTUIT INC.	3.69	0.68	CISCO SYSTEMS INC	1.33	20.18	0.27	CORP	0.00	-5.10	-0.03
FISERV INC.	3.30	8.01	NVIDIA CORPORATION	1.25	20.42	0.26	TESLA INC	0.05	-53.56	-0.02
MASTERCARD INC	2.87	22.49	GILEAD SCIENCES INC	0.60	40.31	0.24	REPUBLIC SERVICES	0.51	-4.82	-0.02
VISA INC	2.58	17.22	BROADCOM INC	0.90	26.98	0.24	INC.			
							CF INDUSTRIES HOLDINGS INC	0.22	-11.15	-0.02
							BLACKSTONE INC	0.18	-10.51	-0.02

Unclassified sector allocation includes cash allocations.



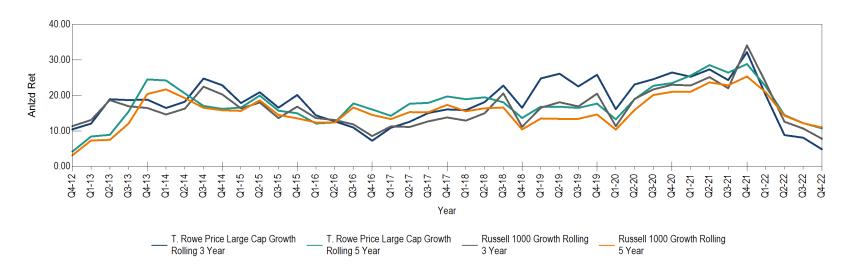
T. Rowe Price Large Cap Growth vs. eV Global Large Cap Growth Eq Net Universe



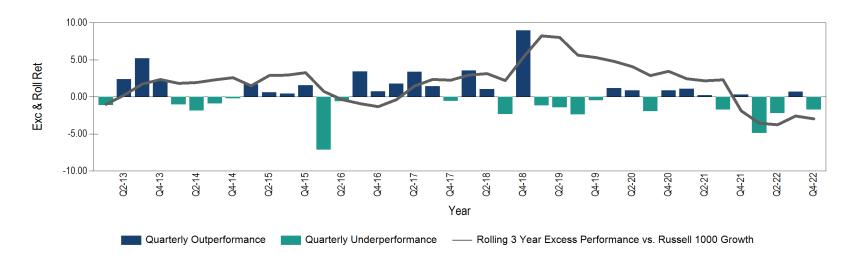
	5th Percentile
	25th Percentile
	Median
	75th Percentile
	95th Percentile
	# of Portfolios
•	T. Rowe Price Large Cap Growth Russell 1000 Growth

Return (Rank)																			
12.6		-14.9		11.3		12.0		13.6		-14.9		28.0		83.4		38.1		1.0		
10.1		-22.7		5.5		8.6		10.3		-22.7		19.7		38.3		36.2		-2.8		
8.2		-27.8		3.9		6.8		9.4		-27.8		16.7		28.0		33.4		-6.3		
6.1		-31.9		1.8		5.4		8.3		-31.9		10.2		23.4		30.9		-12.4		
-1.7		-43.6		-2.1		2.8		6.3		-43.6		2.2		14.7		26.6		-15.1		
70		70		66		54		31		70		48		46		34		31		
0.5 2.2	(94) (91)	-35.4 -29.1	(91) (53)	4.8 7.8	(36) (14)	10.7 11.0	(9) (9)	15.1 14.1	(4) (5)	-35.4 -29.1	(91) (53)	27.4 27.6	(6) (6)	40.0 38.5	(24) (25)	29.5 36.4	(86) (21)	11.5 -1.5	(1) (18)	

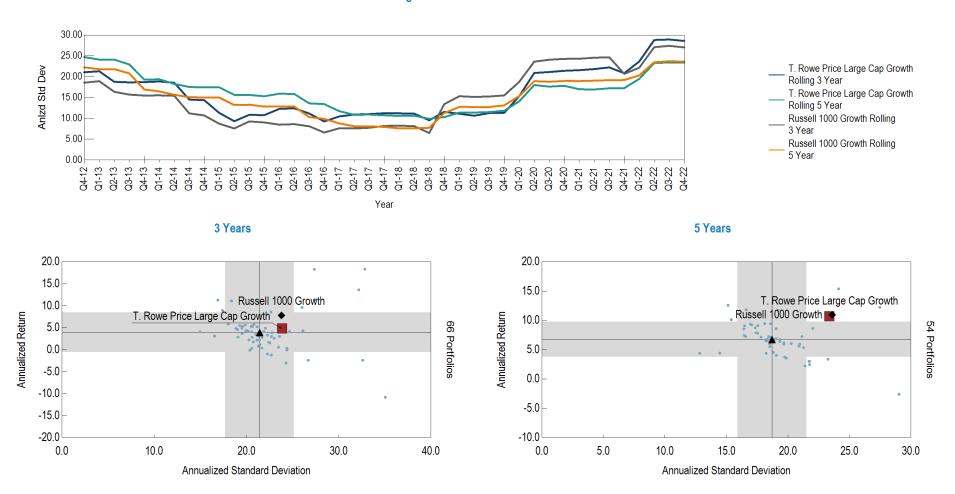




Rolling Annualized Excess Performance



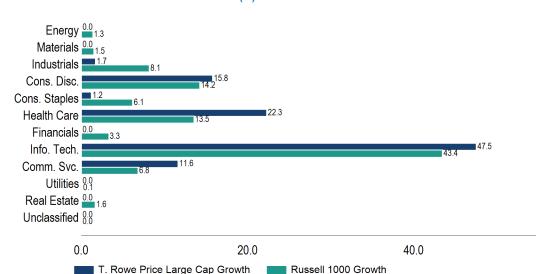




Characteristics

	Portfolio	Russell 1000 Growth
Number of Holdings	54	512
Weighted Avg. Market Cap. (\$B)	614.34	626.16
Median Market Cap. (\$B)	64.51	15.92
Price To Earnings	30.52	24.70
Price To Book	6.13	8.59
Price To Sales	3.42	3.55
Return on Equity (%)	28.34	43.71
Yield (%)	0.60	1.12
Beta	1.05	1.00

Sector Allocation (%) vs Russell 1000 Growth



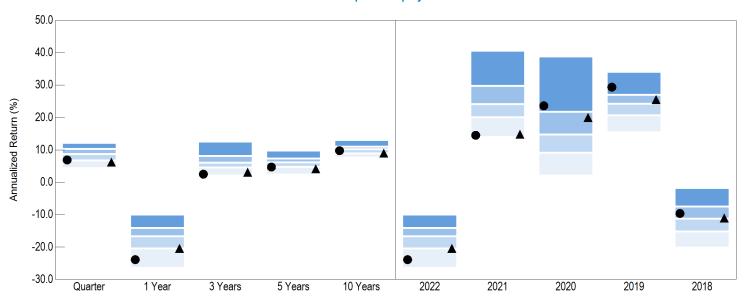
Largest Holdings Top Contributors Bottom Contributors

	End Weight	Return		End Weight	Return	Contributio	n	End Weight	Return	Contribution
MICROSOFT CORP	12.34	3.26	INTUITIVE SURGICAL INC	2.42	41.57	1.01	AMAZON.COM INC	6.30	-25.66	-1.62
APPLE INC	7.32	-5.83	ROSS STORES INC	2.42	38.10	0.92	RIVIAN AUTOMOTIVE INC	1.42	-44.00	-0.62
ALPHABET INC	7.17	-7.76	THE CIGNA GROUP	4.10	19.82	0.81	ALPHABET INC	7.17	-7.76	-0.56
AMAZON.COM INC	6.30	-25.66	ASML HOLDING NV	2.14	31.95	0.69	APPLE INC	7.32	-5.83	-0.43
UNITEDHEALTH GROUP INC	5.19	5.30	MASTERCARD INC	2.87	22.49	0.65	ATLASSIAN CORP	0.72	-38.90	-0.28
THE CIGNA GROUP	4.10	19.82	STRYKER CORP	2.50	21.08	0.53	META PLATFORMS INC	1.25	-11.31	-0.14
INTUIT INC.	3.69	0.68	VISA INC	2.58	17.22	0.44	SALESFORCE INC	1.45	-7.82	-0.11
FISERV INC.	3.30	8.01	NVIDIA CORPORATION	1.98	20.42	0.40	GLOBAL PAYMENTS INC	1.16	-7.84	-0.09
MASTERCARD INC	2.87	22.49	MICROSOFT CORP	12.34	3.26	0.40	TRADE DESK INC (THE)	0.31	-24.97	-0.08
VISA INC	2.58	17.22	NETFLIX INC	1.30	25.25	0.33	CHIPOTLE MEXICAN GRILL INC	0.76	-7.67	-0.06

Unclassified sector allocation includes cash allocations.



PIMCO StocksPLUS Small Fund vs. eV US Small Cap Core Equity Net Universe

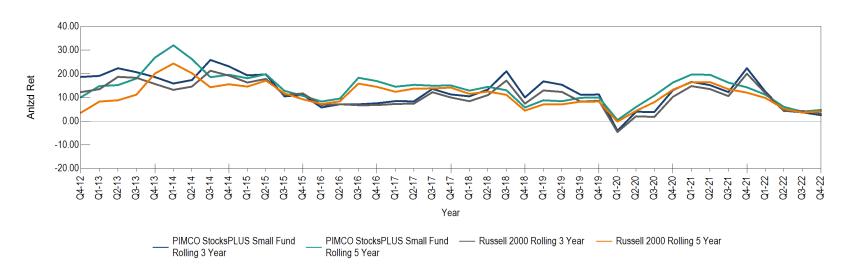


	5th Percentile
	25th Percentile
	Median
	75th Percentile
	95th Percentile
	# of Portfolios
Þ	PIMCO StocksPLUS Sn

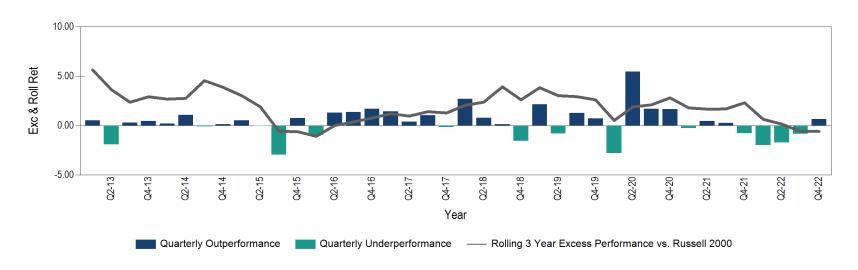
Return (I	Rank)																			
12.1		-10.0		12.5		9.8		13.1		-10.0		40.6		38.8		34.1		-1.8		
10.3		-14.0		8.2		7.4		11.1		-14.0		29.8		21.8		27.0		-7.5		
8.8		-16.6		6.1		6.2		10.2		-16.6		24.1		14.8		24.3		-11.1		
6.8		-20.4		4.6		4.8		9.0		-20.4		20.1		9.1		20.7		-15.1		
4.4		-26.5		2.1		2.5		7.7		-26.5		14.0		2.1		15.5		-20.1		
151		147		143		140		112		147		118		113		112		113		
6.9	(75)	-23.9	(91)	2.5	(95)	4.7	(77)	9.8	(65)	-23.9	(91)	14.5	(93)	23.6	(23)	29.3	(15)	-9.6	(37)	
6.2	(85)	-20.4	(76)	3.1	(91)	4.1	(84)	9.0	(73)	-20.4	(76)	14.8	(92)	20.0	(30)	25.5	(41)	-11.0	(50)	

PIMCO StocksPLUS Small Fund
Russell 2000

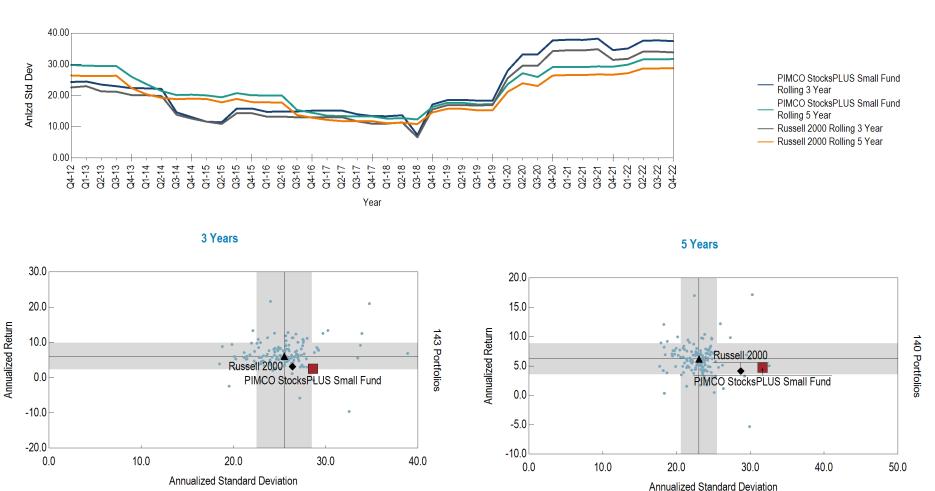
Verus⁷⁷

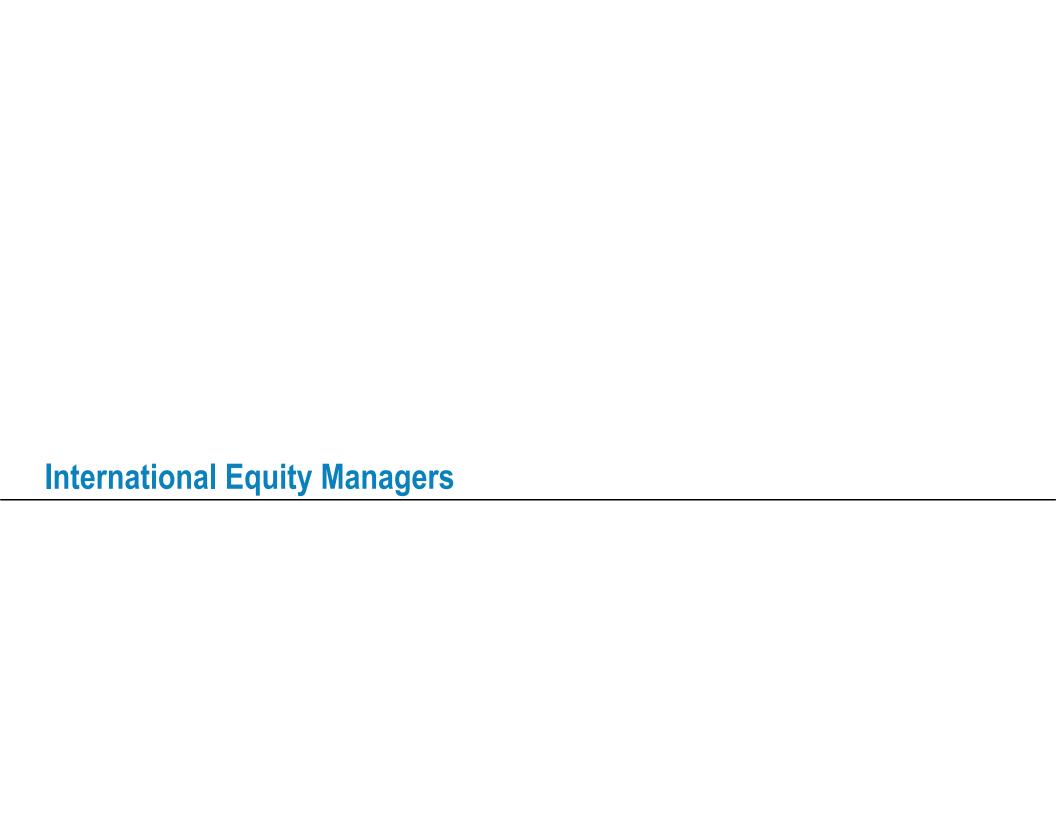


Rolling Annualized Excess Performance

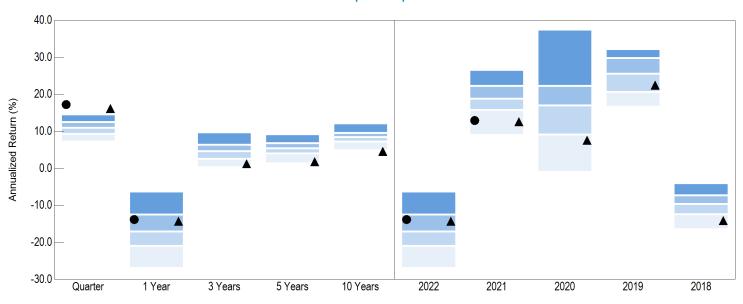








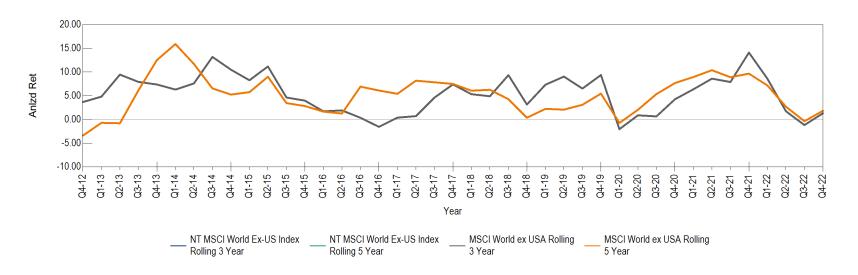
NT MSCI World Ex-US Index vs. eV Global All Cap Core Eq Net Universe



NT MSCI World Ex-US Index
MSCI World ex USA

Return (F	Rank)																			
14.6		-6.3		9.7		9.2		12.1		-6.3		26.6		37.4		32.2		-4.0		
12.6		-12.4		6.4		6.8		9.6		-12.4		22.3		22.4		29.8		-7.2		
11.0		-17.0		4.7		5.5		8.5		-17.0		18.9		17.1		25.6		-9.6		
9.4		-20.9		2.6		4.1		7.3		-20.9		15.9		9.2		20.7		-12.3		
7.3		-26.9		0.4		1.4		5.0		-26.9		9.1		-0.9		16.7		-16.4		
170		168		148		130		86		168		104		93		83		73		
17.2	(1)	-13.8	(31)		()		()		()	-13.8	(31)	12.9	(85)		()		()		()	
16.2	(2)	-14.3	(33)	1.3	(93)	1.8	(95)	4.6	(98)	-14.3	(33)	12.6	(87)	7.6	(80)	22.5	(65)	-14.1	(91)	

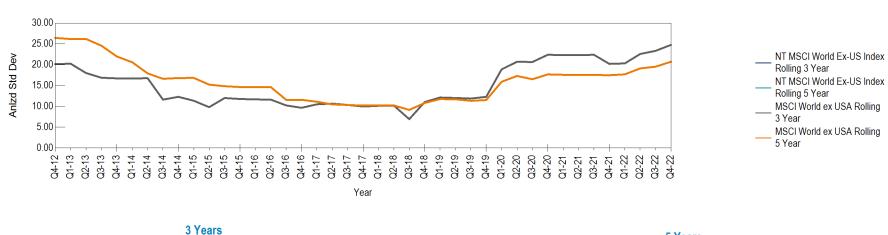


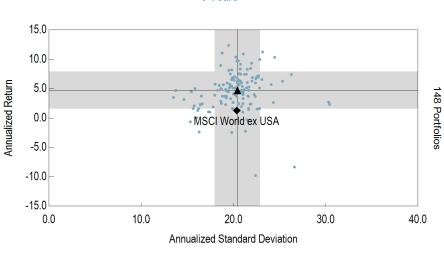


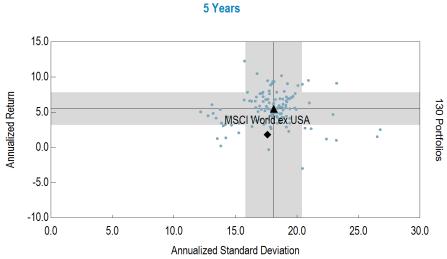
Rolling Annualized Excess Performance









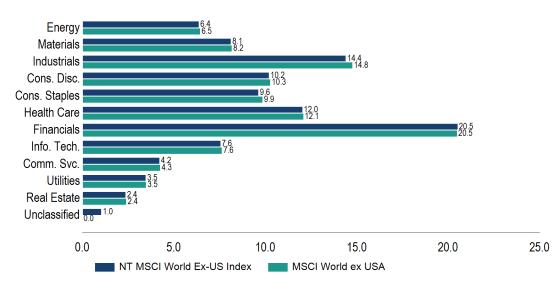




Characteristics

MSCI Portfolio World ex USA Number of Holdings 976 884 Weighted Avg. Market Cap. (\$B) 75.87 75.12 Median Market Cap. (\$B) 11.28 11.96 Price To Earnings 13.53 13.45 Price To Book 2.38 2.34 Price To Sales 1.40 1.37 Return on Equity (%) 15.46 15.14 Yield (%) 3.38 3.43 Beta 1.00

Sector Allocation (%) vs MSCI World ex USA



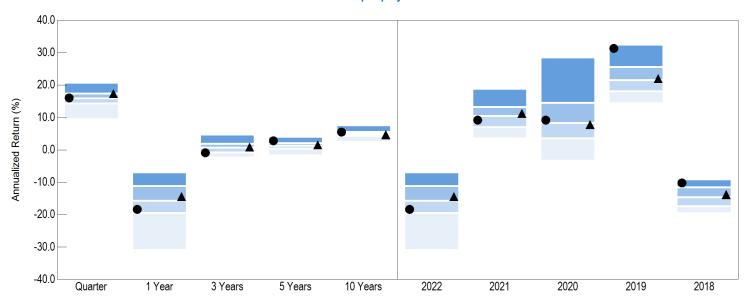
Largest Holdings Top Contributors Bottom Contributors

	End Weight	Return		End Weight	Return	Contributio	n	End Weight	Return	Contribution
NESTLE SA, CHAM UND VEVEY	1.99	6.20	NOVO NORDISK 'B'	1.40	34.34	0.48	ROCHE HOLDING AG	1.39	-4.67	-0.06
NOVO NORDISK 'B'	1.40	34.34	ASML HOLDING NV	1.35	27.02	0.37	NUTRIEN LTD	0.24	-12.39	-0.03
ROCHE HOLDING AG	1.39	-4.67	TOTALENERGIES SE	0.96	34.71	0.33	CANADIAN IMPERIAL	0.23	-6.67	-0.02
ASML HOLDING NV	1.35	27.02	ASTRAZENECA PLC	1.29	21.98	0.28	BANK OF COMMERCE	0.23	-0.07	
ASTRAZENECA PLC	1.29	21.98	LVMH MOET HENNESSY	1.24	22.25	0.20	CREDIT SUISSE GROUP	0.07	-22.05	-0.01
SHELL PLC	1.26	12.99	LOUIS VUITTON SE	1.24	22.25	0.28	BROOKFIELD CORP	0.27	-4.97	-0.01
LVMH MOET HENNESSY LOUIS	4.04	22.25	AIA GROUP LTD	0.82	33.52	0.27	NIDEC CORP	0.14	-7.70	-0.01
VUITTON SE	1.24	22.25	MITSUBISHI UFJ	0.50	49.71	0.25	ALGONQUIN POWER &	0.03	-39.07	-0.01
NOVARTIS AG	1.23	17.47	FINANCIAL GROUP	0.50	43.11	0.23	UTILITIES CORP	0.03	-55.01	-0.01
BHP GROUP LTD	0.97	24.97	BHP GROUP LTD	0.97	24.97	0.24	VODAFONE GROUP			
TOTALENERGIES SE	0.96	34.71	NOVARTIS AG	1.23	17.47	0.22	PUBLIC LIMITED	0.17	-6.17	-0.01
			SAP SE	0.68	24.89	0.17	COMPANY			
							OLYMPUS CORP	0.14	-7.12	-0.01
							CAMECO CORP	0.06	-14.75	-0.01

Unclassified sector allocation includes cash allocations.



Artisan International Growth vs. eV EAFE All Cap Equity Net Universe

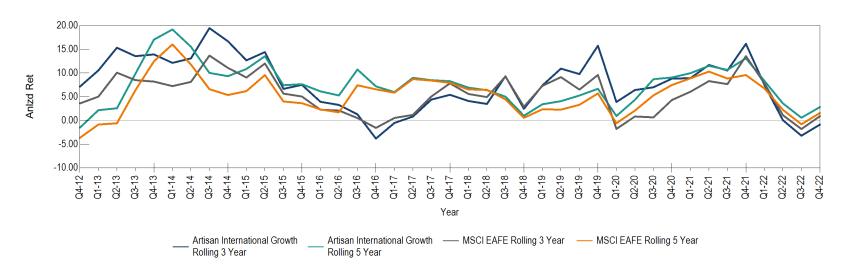


5th Percentile 25th Percentile
Median
75th Percentile 95th Percentile
of Portfolios

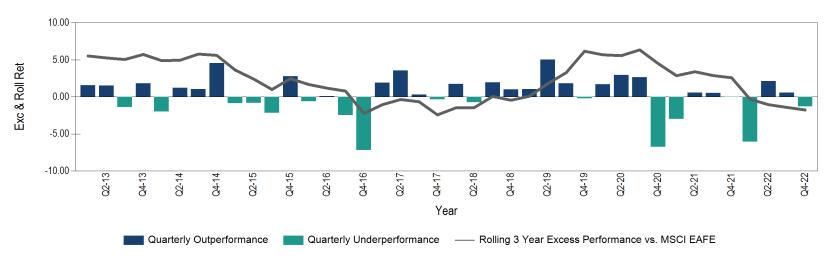
Artisan International Growth
MSCI EAFE

Return ((Rank)																			
20.7		-7.0		4.7		4.0		7.6		-7.0		18.8		28.5		32.5		-9.2		
17.4		-11.1		2.0		2.2		5.6		-11.1		13.3		14.6		25.6		-11.5		
15.9		-15.7		8.0		1.3		5.0		-15.7		10.5		8.4		21.6		-14.6		
14.4		-19.4		-0.8		0.5		4.4		-19.4		7.1		3.6		18.1		-17.4		
9.6		-30.8		-2.3		-1.6		2.5		-30.8		3.6		-3.3		14.5		-19.6		
93		92		91		86		64		92		77		77		77		72		
16.0	(49)	-18.4	(71)	-0.9	(76)	2.8	(16)	5.5	(31)	-18.4	(71)	9.2	(63)	9.2	(46)	31.3	(9)	-10.2	(13)	
17.3	(27)	-14.5	(44)	0.9	(48)	1.5	(41)	4.7	(69)	-14.5	(44)	11.3	(46)	7.8	(56)	22.0	(48)	-13.8	(47)	

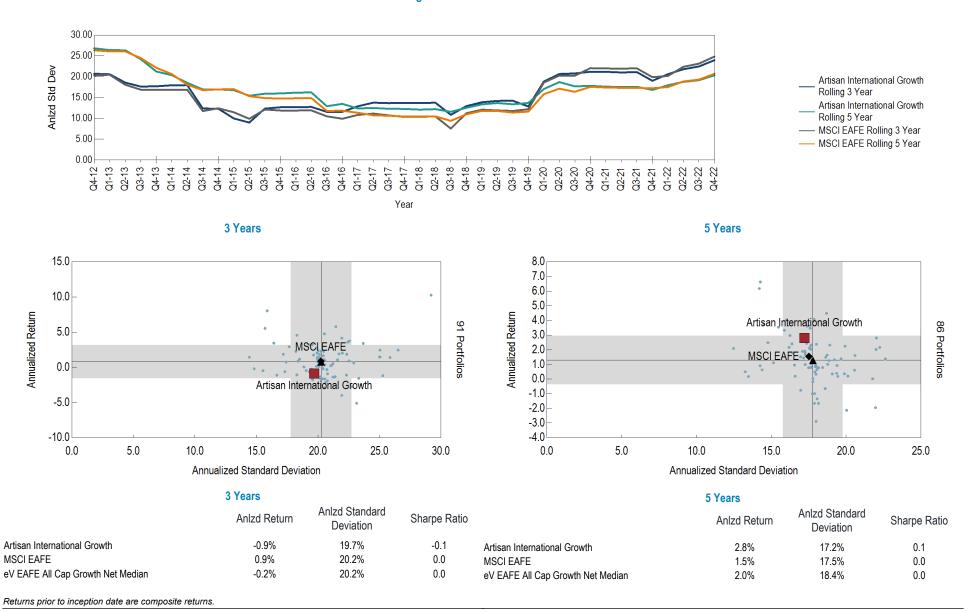




Rolling Annualized Excess Performance



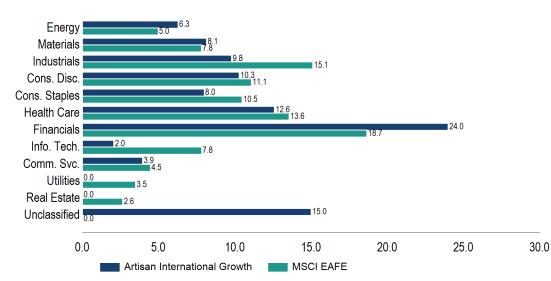




Characteristics

Number of Holdings 79 796 Weighted Avg. Market Cap. (\$B) 106.73 78.12 Median Market Cap. (\$B) 63.99 11.83 Price To Earnings 16.79 13.69 Price To Book 3.25 2.43 Price To Sales 2.15 1.32 Return on Equity (%) 12.79 15.16 Yield (%) 2.61 3.45 Beta 0.93 1.00		Portfolio	MSCI EAFE
Median Market Cap. (\$B) 63.99 11.83 Price To Earnings 16.79 13.69 Price To Book 3.25 2.43 Price To Sales 2.15 1.32 Return on Equity (%) 12.79 15.16 Yield (%) 2.61 3.45	Number of Holdings	79	796
Price To Earnings 16.79 13.69 Price To Book 3.25 2.43 Price To Sales 2.15 1.32 Return on Equity (%) 12.79 15.16 Yield (%) 2.61 3.45	Weighted Avg. Market Cap. (\$B)	106.73	78.12
Price To Book 3.25 2.43 Price To Sales 2.15 1.32 Return on Equity (%) 12.79 15.16 Yield (%) 2.61 3.45	Median Market Cap. (\$B)	63.99	11.83
Price To Sales 2.15 1.32 Return on Equity (%) 12.79 15.16 Yield (%) 2.61 3.45	Price To Earnings	16.79	13.69
Return on Equity (%) 12.79 15.16 Yield (%) 2.61 3.45	Price To Book	3.25	2.43
Yield (%) 2.61 3.45	Price To Sales	2.15	1.32
	Return on Equity (%)	12.79	15.16
Beta 0.93 1.00	Yield (%)	2.61	3.45
	Beta	0.93	1.00

Sector Allocation (%) vs MSCI EAFE

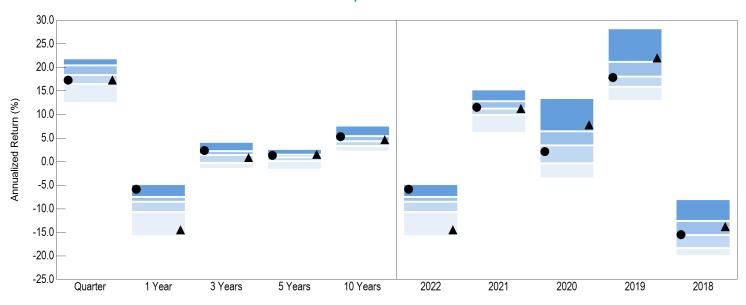


Largest Holdings Top Contributors Bottom Contributors

	End Weight	Return		End Weight	Return	Contributio	n	End Weight	Return	Contribution
SCHLUMBERGER LTD	4.95	49.43	SCHLUMBERGER LTD	4.95	49.43	2.45	AMAZON.COM INC	1.48	-25.66	-0.38
LINDE PLC	4.65	19.66	BNP PARIBAS	4.28	33.10	1.42	MINING AND			
BNP PARIBAS	4.28	33.10	ING GROEP NV	2.76	40.12	1.11	METALLURGIAL CO	0.09	0.00	0.00
DEUTSCHE BOERSE AG	4.10	4.56	LINDE PLC	4.65	19.66	0.91	NORILSK NICKEL PJSC	0.04	2.00	0.00
DEUTSCHE TELEKOM AG	3.94	16.14	CIE FINANCIERE	2.43	34.98	0.85	ARGEN-X SE	0.04	3.02	0.00
L'AIR LIQUIDE SA	3.40	22.75	RICHEMONT AG, ZUG	2.43	34.30	0.03	TAIWAN SEMICONDUCTOR			
CANADIAN PACIFIC RAILWAY	3.39	11.27	L'AIR LIQUIDE SA	3.40	22.75	0.77	MANUFACTURING CO	0.09	10.60	0.01
LTD	3.39	11.21	NOVO NORDISK 'B'	2.08	34.34	0.71	LTD			
SHELL PLC	3.20	12.99	DEUTSCHE TELEKOM AG	3.94	16.14	0.64	ICON PLC	0.43	5.70	0.02
AON PLC	3.04	12.27	AIRBUS SE	1.49	36.13	0.54	BARRY CALLEBAUT AG,	0.74	3.87	0.03
ARGEN-X SE	3.04	7.30	INTESA SANPAOLO SPA	1.39	37.60	0.52	ZUERICH	0.74	3.07	0.03
							ADYEN ORD WI	0.42	7.87	0.03
							ROYAL DUTCH SHELL PLC ADR	0.26	15.53	0.04
							CAPGEMINI SE	1.56	2.70	0.04
Unclassified sector allocation includes of	cash, dervatives and p	referred stock al	locations.				KINAXIS INC	0.39	12.43	0.05



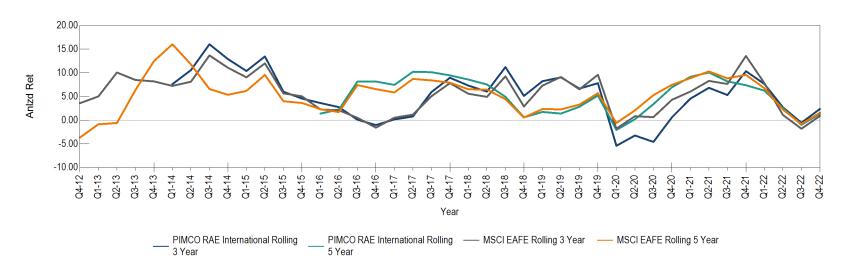
PIMCO RAE International vs. eV EAFE All Cap Value Net Universe



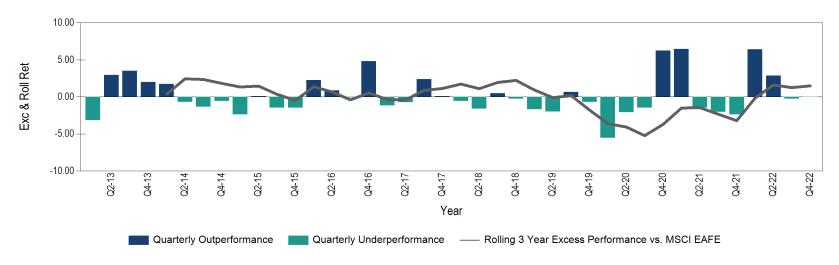
PIMCO RAE International
MSCI EAFE

Return (R	ank)																		
21.9	-	4.8		4.1		2.7		7.6		-4.8		15.3		13.5		28.3		-8.0	
20.5	-	7.5		2.3		1.5		5.4		-7.5		12.9		6.5		21.2		-12.6	
18.5	-	8.4		1.4		1.0		4.4		-8.4		11.3		3.5		18.1		-15.5	
16.5	-1	0.6		-0.3		0.2		3.3		-10.6		10.0		-0.3		15.9		-18.3	
12.5	-1	5.8		-1.6		-1.7		2.2		-15.8		6.1		-3.5		12.9		-20.0	
21		21		21		19		17		21		22		23		22		21	
17.3	(70) -	5.9	(13)	2.4	(23)	1.3	(36)	5.3	(28)	-5.9	(13)	11.5	(44)	2.1	(63)	17.9	(56)	-15.5	(50)
17.3	(69) -1	4.5	(86)	0.9	(56)	1.5	(24)	4.7	(48)	-14.5	(86)	11.3	(51)	7.8	(19)	22.0	(20)	-13.8	(46)

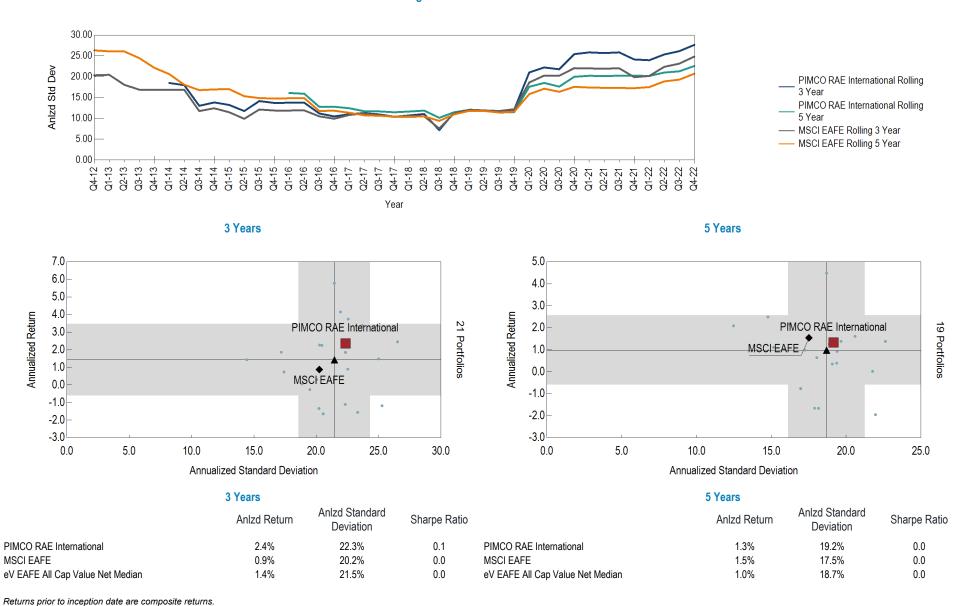




Rolling Annualized Excess Performance



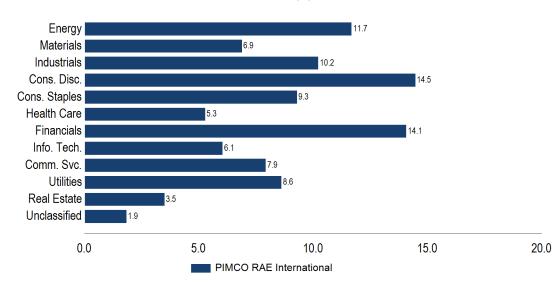




Characteristics

	Portfolio	
Number of Holdings	326	
Weighted Avg. Market Cap. (\$B)	36.43	
Median Market Cap. (\$B)	4.72	
Price To Earnings	9.48	
Price To Book	1.69	
Price To Sales	0.51	
Return on Equity (%)	10.86	
Yield (%)	4.37	
Beta		

Sector Allocation (%) vs



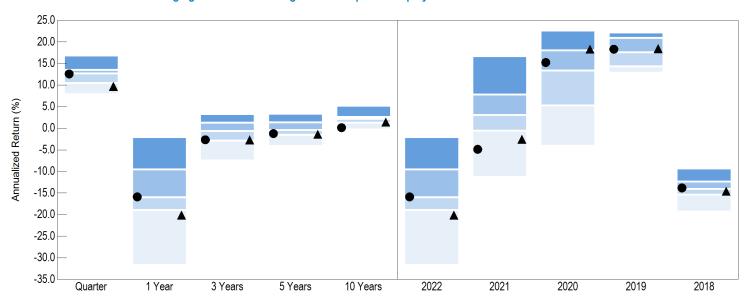
Largest Holdings Top Contributors Bottom Contributors

	End Weight	Return		End Weight	Return	Contribution		End Weight	Return	Contribution
JAPAN POST HOLDINGS CO LTD	3.75	27.11	ENI SPA	2.97	34.90	1.04	KONINKLIJKE PHILIPS NV	0.57	-4.60	-0.03
KONINKLIJKE AHOLD DELHAIZE NV	3.72	11.93	JAPAN POST HOLDINGS CO LTD	3.75	27.11	1.02	DELEK GROUP LTD	0.09	-30.00	-0.03
ENI SPA	2.97	34.90	CENTRICA PLC	1.86	49.48	0.92	WHARF (HOLDINGS) LIMITED	0.26	-8.13	-0.02
SHELL PLC	2.78	12.99	REPSOL SA	1.47	37.11	0.54	MEDIBANK PRIVATE LTD	0.20	-10.31	-0.02
TELEFONICA SA	2.39	14.26	MELCO RESORTS & ENTERTAINMENT LTD	0.67	73.45	0.49	JARDINE CYCLE & CARRIAGE LTD	0.13	-9.42	-0.01
NIPPON TELEGRAPH & TELEPHONE CORP NTT	2.17	5.67	KONINKLIJKE AHOLD	3.72	11.93	0.44	HINO MOTORS LTD	0.16	-7.40	-0.01
MAGNA INTERNATIONAL INC CENTRICA PLC	2.01 1.86	18.61 49.48	DELHAIZE NV ENEL ENTE NAZIONALE	V <u>-</u>		• • • • • • • • • • • • • • • • • • • •	BAUSCH HEALTH COS INC	0.10	-9.61	-0.01
PANASONIC HOLDINGS CORPORATION	1.55	20.10	PER L'ENERGIA ELETTRICA SPA, ROMA	1.44	29.79	0.43	BROTHER INDUSTRIES LTD	0.08	-11.60	-0.01
REPSOL SA	1.47	37.11	RIO TINTO GROUP	1.23	31.50	0.39	WH GROUP LTD	0.12	-7.66	-0.01
NEI 30E 3A	1.47	37.11	MAGNA INTERNATIONAL INC	2.01	18.61	0.37	UNIPER SE	0.03	-27.78	-0.01
			BANCO SANTANDER SA	1.23	30.24	0.37				

Unclassified sector allocation includes cash, dervatives and preferred stock allocations.



Mondrian Emerging Markets vs. eV Emg Mkts All Cap Value Equity Net Universe

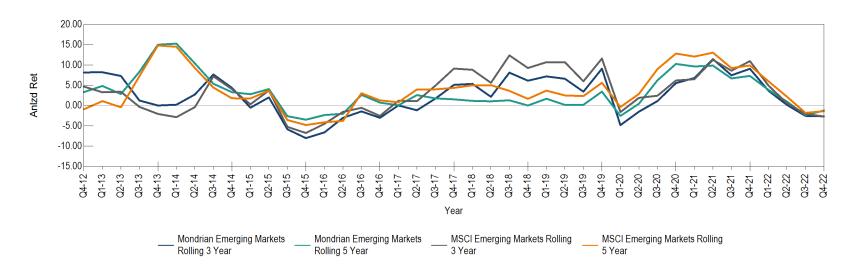


5th Percentile 25th Percentile
Median
75th Percentile 95th Percentile
of Portfolios

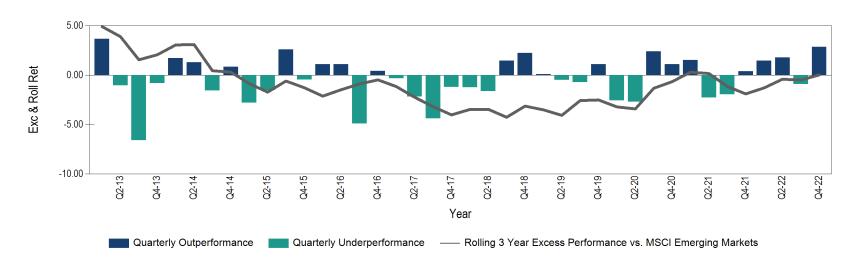
Mondrian Emerging Markets
MSCI Emerging Markets

Return (Rank)																		
16.8		-2.1		3.3		3.4		5.2		-2.1		16.7		22.6		22.2		-9.4	
13.5		-9.5		1.3		1.4		2.7		-9.5		7.8		18.1		21.0		-12.3	
12.7		-16.0		-0.6		-0.4		2.2		-16.0		3.1		13.4		17.7		-14.0	
10.5		-18.9		-2.8		-1.5		1.4		-18.9		-0.5		5.4		14.4		-15.3	
7.9		-31.7		-7.4		-4.1		-0.2		-31.7		-11.3		-4.0		12.9		-19.2	
33		33		32		27		18		33		24		24		22		25	
12.6	(56)	-15.9	(50)	-2.7	(71)	-1.2	(73)	0.1	(92)	-15.9	(50)	-4.9	(82)	15.2	(40)	18.3	(42)	-13.8	(48)
9.7	(91)	-20.1	(81)	-2.7	(72)	-1.4	(74)	1.4	(70)	-20.1	(81)	-2.5	(78)	18.3	(21)	18.4	(42)	-14.6	(59)





Rolling Annualized Excess Performance







Bottom Contributors

End Weight

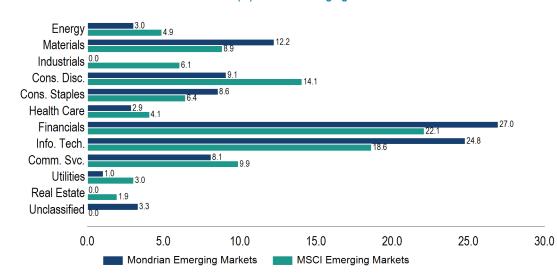
Return

Contribution

Characteristics

MSCI Portfolio Emerging Markets Number of Holdings 59 1,375 Weighted Avg. Market Cap. (\$B) 104.93 95.69 Median Market Cap. (\$B) 32.54 6.46 Price To Earnings 10.25 11.40 Price To Book 2.08 2.60 Price To Sales 1.10 1.08 Return on Equity (%) 16.53 14.40 Yield (%) 4.30 3.39 Beta 1.04 1.00

Sector Allocation (%) vs MSCI Emerging Markets



Largest Holdings

	End Weight	Return	PING AN INSURANCE	4.28	32.65	1.40	WH GROUP LTD	1.69	-7.66	-0.13
TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD	7.08	10.60	GROUP TAIWAN	4.20	32.00	1.40	LONGI GREEN ENERGY TECHNOLOGY CO LTD	1.28	-9.02	-0.12
ALIBABA GROUP HOLDING LTD	4.79	11.39	SEMICONDUCTOR	7.08	10.60	0.75	BAIDU INC	2.10	-2.65	-0.06
PING AN INSURANCE GROUP HOUSING DEVELOPMENT	4.28	32.65	MANUFACTURING CO LTD	7.00	10.00	0.10	ITAU UNIBANCO HOLDING SA	0.77	-6.84	-0.05
FINANCE CORP LTD	3.94	13.36	SAMSUNG ELECTRONICS CO LTD	3.61	18.92	0.68	PETROLEO BRASILEIRO	1.79	-2.69	-0.05
SAMSUNG ELECTRONICS CO LTD	3.61	18.92	TENCENT HOLDINGS LTD	2.40	26.22	0.63	S.A PETROBRAS NETEASE INC	1.59	-2.11	-0.03
PT BANK RAKYAT INDONESIA TBK	2.85	7.89	ZIJIN MINING GROUP CO LTD	1.56	39.23	0.61	ITAUSA INVESTIMENTOS	0.99	-2.19	-0.02
HON HAI PRECISION INDUSTRY	0.64	4.05	VALE SA	2.07	27.84	0.58	HYPERMARCAS ON	0.60	1.19	0.01
CO LTD	2.64	1.35	AXIS BANK	2.22	25.22	0.56	POWERGRID	0.00	1.10	0.01
CREDICORP LTD	2.51	10.47	ALIBABA GROUP	4.79	11.39	0.55	CORPORATION OF INDIA	1.03	1.36	0.01
UNILEVER PLC COMMON STOCK GBP.0311	2.49	14.01	HOLDING LTD HOUSING DEVELOPMENT	3.94	13.36	0.53	CHINA MERCHANTS BANK CO LTD	0.10	20.40	0.02

3.94

1.74

FINANCE CORP LTD

LG CHEM LTD

Top Contributors

End Weight

Return

13.36

27.82

Contribution

0.53

0.48

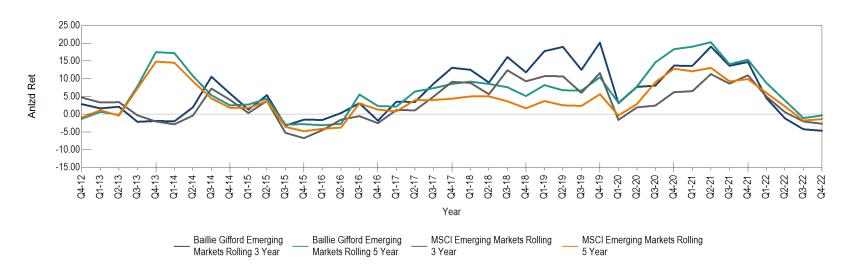
Unclassified sector allocation includes currency allocations.

2.40

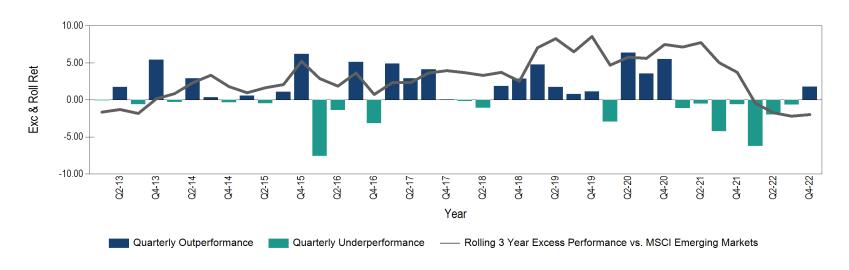
26.22



TENCENT HOLDINGS LTD

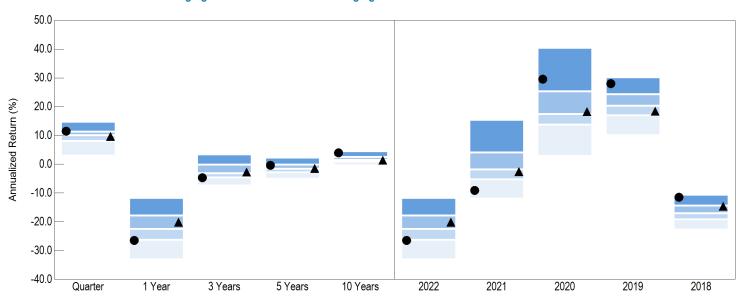


Rolling Annualized Excess Performance





Baillie Gifford Emerging Markets vs. Diversified Emerging Mkts MStar MF Universe



5th Percentile 25th Percentile
Median 75th Percentile 95th Percentile
of Portfolios

Baillie Gifford Emerging Markets
MSCI Emerging Markets

Return (I	Rank)																			
14.8		-11.7		3.4		2.3		4.5		-11.7		15.3		40.4		30.2		-10.6		
11.4		-17.7		-0.1		0.0		2.6		-17.7		4.1		25.4		24.4		-14.3		
10.1		-22.4		-3.0		-1.5		1.6		-22.4		-1.7		17.5		20.4		-17.0		
8.2		-26.2		-4.5		-2.7		0.9		-26.2		-5.1		13.8		17.0		-19.1		
3.1		-33.0		-7.2		-4.9		-0.3		-33.0		-11.9		3.0		10.1		-22.6		
238		230		209		192		142		230		225		224		231		227		
11.5	(24)	-26.5	(76)	-4.7	(77)	-0.4	(31)	4.0	(7)	-26.5	(76)	-9.1	(88)	29.6	(18)	28.0	(14)	-11.5	(8)	
9.7	(59)	-20.1	(36)	-2.7	(49)	-1.4	(47)	1.4	(55)	-20.1	(36)	-2.5	(58)	18.3	(45)	18.4	(64)	-14.6	(28)	



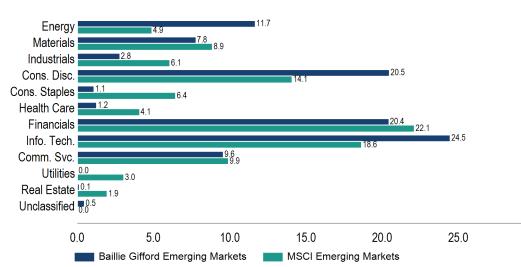
30.0

Cantuibutian

Characteristics

	Portfolio	MSCI Emerging Markets
Number of Holdings	65	1,375
Weighted Avg. Market Cap. (\$B)	136.54	95.69
Median Market Cap. (\$B)	25.66	6.46
Price To Earnings	11.50	11.40
Price To Book	2.45	2.60
Price To Sales	1.28	1.08
Return on Equity (%)	16.24	14.40
Yield (%)	5.20	3.39
Beta	1.24	1.00

Sector Allocation (%) vs MSCI Emerging Markets

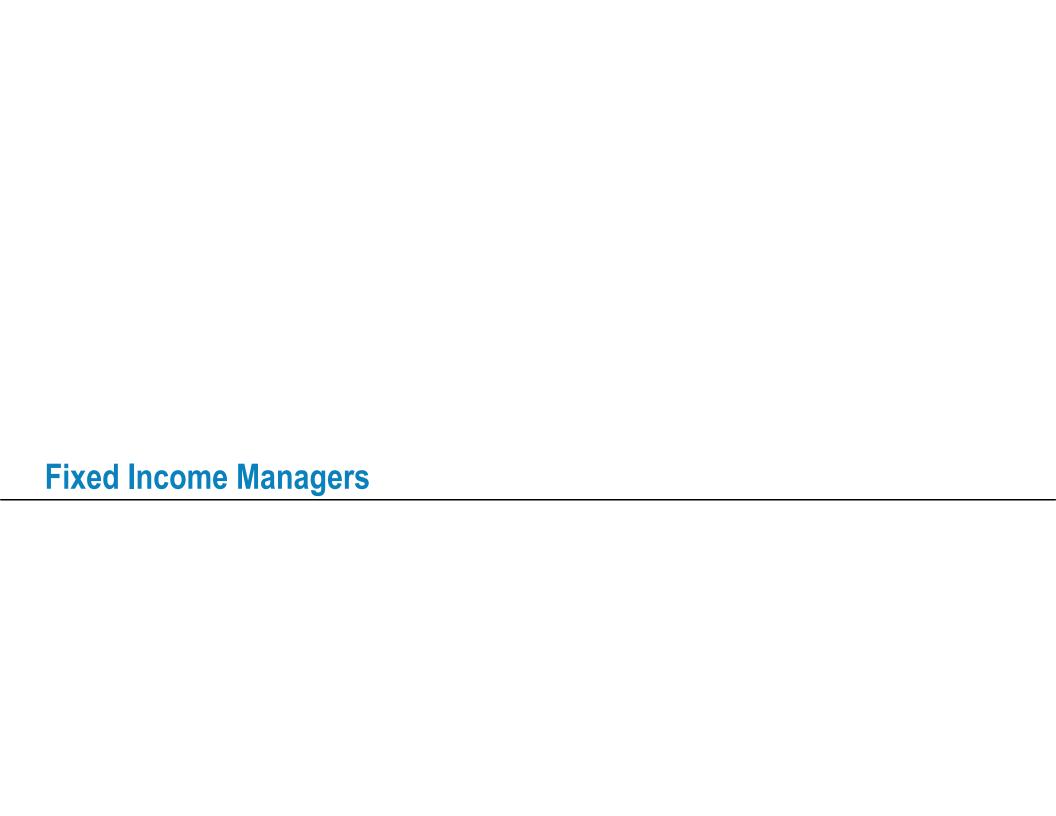


Largest Holdings Top Contributors Bottom Contributors

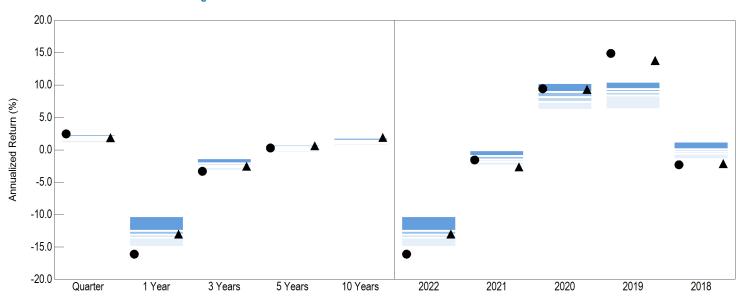
Find Weight B

	End Weight	Return		End Weight	Return	Contribution		End Weight	Return	Contribution
TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD	8.87	10.60	TENCENT HOLDINGS LTD	6.47	26.22	1.70	BANCO BRADESCO SA BRAD	1.35	-21.50	-0.29
	C 47	00.00	VALEURA ENERGY INC	0.29	365.98	1.06	BRILLIANCE CHINA			
TENCENT HOLDINGS LTD	6.47	26.22	PING AN INSURANCE	2.90	32.65	0.95	AUTOMOTIVE HOLDINGS	0.46	-39.73	-0.18
SAMSUNG ELECTRONICS CO LTD	4.94	18.92	GROUP		02.00	0.00	LTD			
RELIANCE INDUSTRIES LTD	4.40	5.33	TAIWAN				COUPANG LLC	1.10	-11.76	-0.13
			SEMICONDUCTOR MANUFACTURING CO	8.87	10.60	0.94	PETROLEO BRASILEIRO	3.70	-2.69	-0.10
ALIBABA GROUP HOLDING LTD	4.01	11.39	LTD				S.A PETROBRAS	0.70	2.00	0.10
PETROLEO BRASILEIRO S.A PETROBRAS	3.70	-2.69	SAMSUNG ELECTRONICS CO LTD	4.94	18.92	0.93	KE HOLDINGS INC HK02423	0.45	-14.17	-0.06
MEITUAN DIANPING USD0.00001	3.25	6.21	TENCENT MUSIC				RAIZEN SA	0.61	-8.59	-0.05
A B CLASS ISIN KYG596691041	0.20	0.21	ENTERTAINMENT GROUP	0.65	103.94	0.68	LUFAX HOLDING LTD	0.00	47.50	0.05
HOUSING DEVELOPMENT	3.20	13.36	CHINA MERCHANTS				ADR	0.28	-17.58	-0.05
FINANCE CORP LTD	0.00	00.05	BANK CO LTD	2.52	20.40	0.51	B3 S.ABRASIL BOLSA	1.95	-2.12	-0.04
PING AN INSURANCE GROUP	2.90	32.65	BEIGENE LTD	0.70	66.69	0.47	BALCAO	1.93	-2.12	-0.04
CHINA MERCHANTS BANK CO LTD	2.52	20.40	ALIBABA GROUP				HYUNDAI MOTOR CO	1.66	-2.31	-0.04
LID			HOLDING LTD	4.01	11.39	0.46	PETROLEO BRASILEIRO	0.92	-3.70	-0.03
	ab allocations		SAMSLING SULCULTU	1 Q1	23 EU	0.45	S.A PETROBRAS	0.02	0.70	0.00
Unclassified sector allocation includes car	รท สแบบสแบทร.									



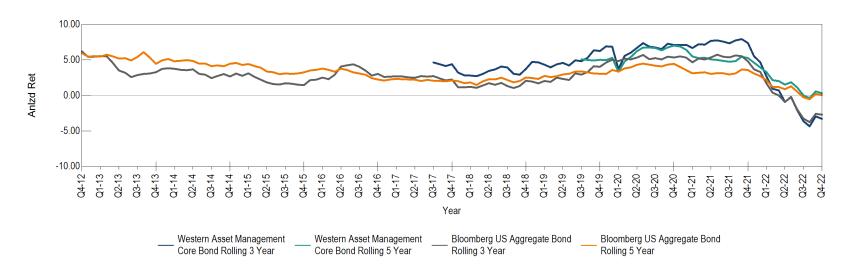


Western Asset Management Core Bond vs. eV US Core Fixed Inc Net Universe

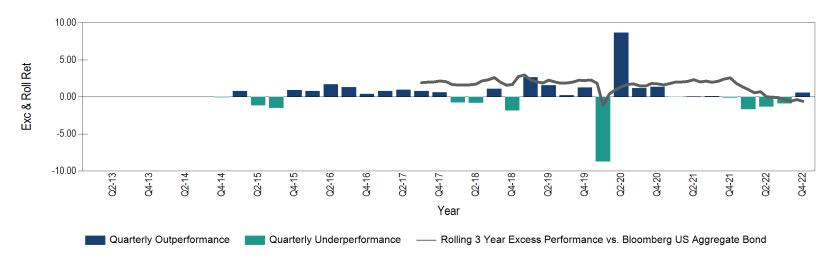


	Return (Rank)																		
5th Percentile	2.4		-10.2		-1.3		0.8		1.8		-10.2		-0.1		10.3		10.5		1.3	
25th Percentile	2.0		-12.5		-2.0		0.5		1.5		-12.5		-0.9		9.0		9.4		0.1	
Median	1.8		-13.1		-2.4		0.2		1.2		-13.1		-1.5		8.2		9.0		-0.2	
75th Percentile	1.6		-13.5		-2.7		0.0		1.0		-13.5		-1.8		7.4		8.4		-0.6	
95th Percentile	1.1		-14.9		-3.2		-0.4		0.7		-14.9		-2.4		6.2		6.3		-1.4	
# of Portfolios	184		178		171		167		157		178		149		149		146		150	
Western Asset Management Core Bond	2.5	(5)	-16.1	(98)	-3.3	(96)	0.3	(43)		()	-16.1	(98)	-1.6	(53)	9.4	(14)	14.9	(1)	-2.3	(99)
 Western Asset Management Benchmark 	1.9	(42)	-13.0	(47)	-2.5	(65)	0.6	(15)	1.9	(4)	-13.0	(47)	-2.6	(99)	9.4	(16)	13.8	(1)	-2.1	(99)

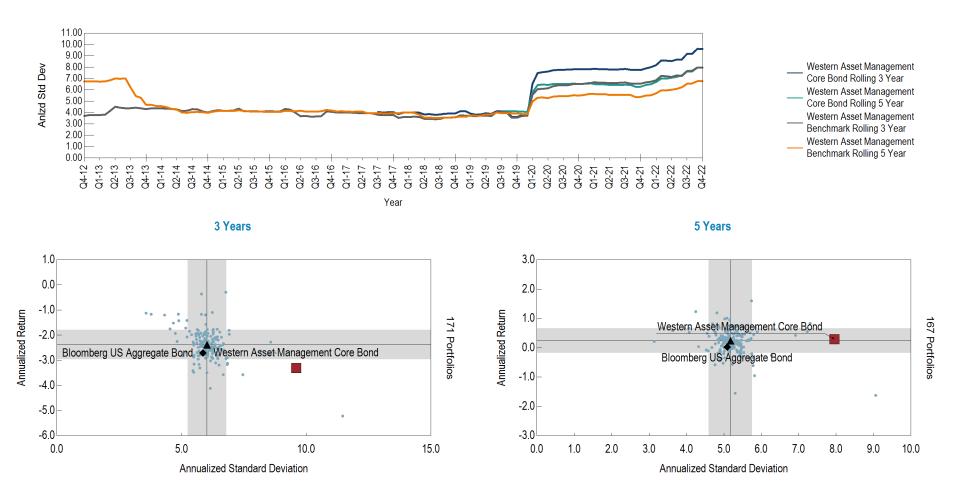




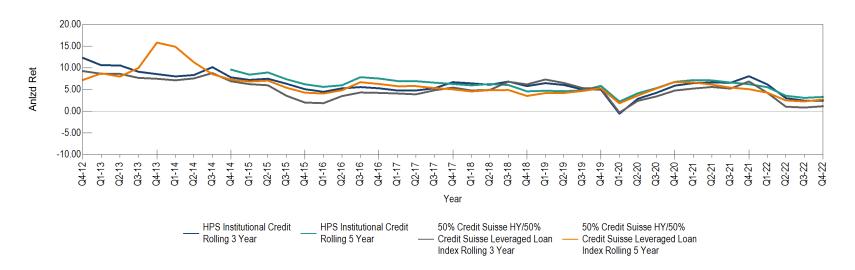
Rolling Annualized Excess Performance



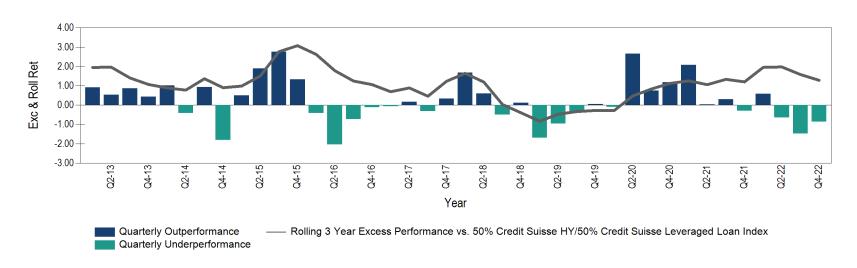




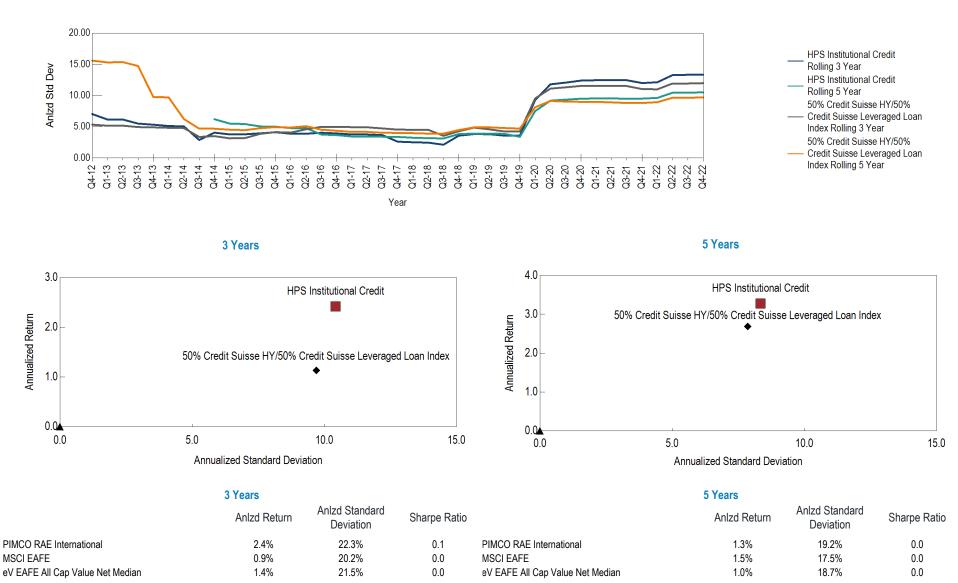




Rolling Annualized Excess Performance







Performance Return Calculations

Performance is calculated using Modified Dietz and for time periods with large cash flow (generally greater than 10% of portfolio value), Time Weighted Rates of Return (TWRR) methodologies. Monthly returns are geometrically linked and annualized for periods longer than one year.

Data Source

Verus is an independent third party consulting firm and calculates returns from best source book of record data. Returns calculated by Verus may deviate from those shown by the manager in part, but not limited to, differences in prices and market values reported by the custodian and manager, as well as significant cash flows into or out of an account. It is the responsibility of the manager and custodian to provide insight into the pricing methodologies and any difference in valuation.

Illiquid Alternatives

Due to the inability to receive final valuation prior to report production, closed end funds (including but are not limited to Real Estate, Hedge Funds, Private Equity, and Private Credit) performance is typically reported at a one-quarter lag. Valuation is reported at a one-quarter lag, adjusted for current quarter flow (cash flows are captured real time). Closed end fund performance is calculated using a time-weighted return methodology consistent with all portfolio and total fund performance calculations. For Private Markets, performance reports also include Verus-calculated multiples based on flows and valuations (e.g. DPI and TVPI) and manager-provided IRRs.

Manager Line Up					
<u>Manager</u>	Fund_Incepted	Data_Source	<u>Manager</u>	Fund_Incepted	Data_Source
Benefits Payment Cash	N/A	Northern Trust	EQT European S. Situations Debt	2017	Aksia
Custodied	N/A	Northern Trust	Eaton Vance Ins. Sr Loan Plus	2017	Eaton Vance
County Cash	N/A	FCERA	PIMCO StocksPLUS Small Fund	4/31/2018	PIMCO
Warburg Pincus	1998	Hamilton Lane	Hamilton Lane Secondary Fund IV	2017	Hamilton Lane
TCW Shop III	1998	Aksia	TCG BDC II	2017	Aksia
Warburg Pincus VIII	2001	Hamilton Lane	AlpInvest FC Credit Fund, L.P.	2017	Aksia
Blackstone IV	2002	Hamilton Lane	CPC V, L.P.	2017	Aksia
Lonestar IV	2002	Aksia	Kelso Investment Associates X, L.P	2018	Hamilton Lane
TCW Shop IV	2002	Aksia	Avista Capital Partners IV	2018	Hamilton Lane
Mondrian Emerging Markets	11/17/2005	Mondrian	Platinum Equity Small Cap Fund	2018	Hamilton Lane
Invesco Core Real Estate	10/1/2007	Invesco	T. Rowe Price Large Cap Growth	10/23/2018	Northern Trust
New Mountain III	2007	Hamilton Lane	Baillie Gifford Emerging Markets	12/10/2018	Baillie Gifford
Hamilton Lane VI	2007	Hamilton Lane	K4 Private Investors, L.P.	2018	Hamilton Lane
Warburg Pincus X	2007	Hamilton Lane	SK Capital Partners Fund V, L.P.	2018	Hamilton Lane
Landmark Equity Partners XIV	2008	Hamilton Lane	Thomas H. Lee Equity Fund VIII, L.P.	2019	Hamilton Lane
Colony Distressed Credit I	2009	Aksia	H.I.G. Growth Buyouts & Equity Fund III	2019	Hamilton Lane
TA Associates Realty 9	2009	Aksia	RBC Access Capital	10/10/2018	Northern Trust
Systematic Small/Mid Value	10/8/2010	TA Associates	Invesco US Value-Add Fund V	2/20/2019	Invesco
KKR Mezzanine Partners I	2010	Northern Trust	NT MSCI US Index	6/2/2020	Nothern Trust
Angelo Gordon Cap. Recov. VII	2010	Aksia	NT MSCI World Ex-US Index Fund	5/28/2020	Northern Trust
Oaktree Opportunities Fund IX	2012	Aksia	JFL Equity Investors V, L.P.	2019	Hamilton Lane
Artisan International Growth	4/1/2013	Northern Trust	Insight Partners XI, L.P.	2019	Hamilton Lane
PIMCO Emerging Local Bond	7/31/2013	Northern Trust	HGGC Fund IV, L.P.	2019	Hamilton Lane
WAMCO Credit Index	10/1/2014	Northern Trust	Western Asset Management Core Bond	10/1/2014	Northern Trust
Loomis Sayles High Yield	10/1/2014	Northern Trust	STG VI, L.P.	2020	Hamilton Lane
Eaton Vance Senior Loan	10/1/2014	Eaton Vance	TCV XI, L.P.	2020	Hamilton Lane
Colony Distressed Credit III	2014	Aksia	Oak Hill Capital Partners V, L.P.	2020	Hamilton Lane
Brandywine Global Sovereign	1/31/2015	Northern Trust	MSCI Factor Mix Index	3/30/2021	Northern Trust
IFM Global Infrastructure	5/1/2015	IFM	Oaktree Real Estate Opportunities Fund VII	3/31/2021	Northern Trust
GSO European Senior Debt	2015	Aksia	Ares US Real Estate	6/22/2021	Northern Trust
CVI Credit Value Fund III	2015	Aksia	Harrison Street Core Realty	1/5/2022	Harrison Street
Warburg Pincus XII	2015	Hamilton Lane	PCCP Equity IX	1/14/2022	PCCP
Gerding Edlen Green Cities III	2016	Gerding Edlen	PIMCO RAE International	2/28/2022	Northern Trust
Hamilton Lane PE Fund IX	2016	Hamilton Lane	Gridiron Capital Fund V, L.P.	2022	Hamilton Lane
Kennedy Wilson Real Estate V	2016	Kennedy Wilson	Stripes VI, L.P.	2022	Hamilton Lane
TSSP Adjacent Opportunities	2016	Aksia	HPS Institutional Credit	6/29/2022	Northern Trust
OHA Strategic Credit Fund II, L.P.	2016	Aksia	PGIM Strategic Credit	7/6/2022	Northern Trust
Horsley Bridge XI GBO	2016	Hamilton Lane	High Sierra Credit Investors, L.P.	7/26/2022	Aksia
Horsley Bridge XI GBO	2016	Hamilton Lane	Invesco Real Estate VI	9/27/2022	Invesco
Parametric Overlay	2016	Northern Trust			
·	20.0	. 10.1			



Policy & Custom Index Composition	on
Floating Policy Index (12/1/2022-12/31/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS. Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 8.00% Private Equity Neutralized, 7.15% Private Credit Neutralized, 0.00% Russe 2000, 0.85% BBgBarc US HY.
Floating Policy Index (11/1/2022-11/30/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 8.00% Private Equity Neutralized, 7.64% Private Credit Neutralized, 0.00% Russe 2000, 0.36% BBgBarc US HY.
Floating Policy Index (10/1/2022-10/31/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 8.00% Private Equity Neutralized, 7.77% Private Credit Neutralized, 0.00% Russe 2000, 0.23% BBgBarc US HY.
Floating Policy Index (9/1/2022-9/30/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS. Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 8.00% Private Equity Neutralized, 7.25% Private Credit Neutralized, 0.00% Russe 2000, 0.75% BBgBarc US HY.
Floating Policy Index (8/1/2022-8/31/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 8.00% Private Equity Neutralized, 7.13% Private Credit Neutralized, 0.00% Russe 2000, 0.87% BBgBarc US HY.
Floating Policy Index (7/1/2022-7/31/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS. Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 8.00% Private Equity Neutralized, 7.28% Private Credit Neutralized, 0.00% Russe 2000, 0.72% BBgBarc US HY.
Floating Policy Index (6/1/2022-6/30/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS. Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 8.00% Private Equity Neutralized, 6.91% Private Credit Neutralized, 0.00% Russe 2000, 1.09% BBgBarc US HY.
(5/1/2022-5/31/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 8.00% Private Equity Neutralized, 8.00% Private Credit Neutralized, 0% Russell 2000, 0% BBgBarc US HY.
(4/1/2022-4/30/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 7.48% Private Equity Neutralized, 7.65% Private Credit Neutralized, 0.52% Russe 2000, 0.35% BBgBarc US HY.
(3/1/2022-3/31/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS. Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 7.41% Private Equity Neutralized, 7.44% Private Credit Neutralized, 0.59% Russe 2000, 0.56% BBgBarc US HY.
(2/1/2022-2/28/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS. Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 7.37% Private Equity Neutralized, 7.44% Private Credit Neutralized, 0.63% Russe 2000, 0.56% BBgBarc US HY.
(1/1/2022-1/31/2022)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 6.80% Private Equity Neutralized, 7.28% Private Credit Neutralized, 1.20% Russe 2000, 0.72% BBgBarc US HY.
(12/1/2021-12/31/2021)	29% MSCI USA IMI, 21% MSCI ACWI ex-US, 11% Bloomberg US Aggregate, 1% Bloomberg US Securtized, 4% Bloomberg US HY, 4% S&P/LTS Leveraged Loan Index, 2% JPM EMBI, 12% NCREIF ODCE Net, 6.83% Private Equity Neutralized, 7.21% Private Credit Neutralized, 1.17% Russe 2000, 0.79% BBgBarc US HY.
(11/1/2021-11/30/2021)	28% MSCI USA IMI, 26% Fixed Income Custom Benchmark, 21% MSCI ACWI ex US, 0.00% Russell 2000, 0.79% Bloomberg US Corp. High Yield 6.00% Private Equity Neutralized, 7.21% Private Credit Neutralized, & 11% NCREIF ODCE Net.
(10/1/2021-10/31/2021)	28% MSCI USA IMI, 26% Fixed Income Custom Benchmark, 21% MSCI ACWI ex US, 0.00% Russell 2000, 0.75% Bloomberg US Corp. High Yield 6.00% Private Equity Neutralized, 7.25% Private Credit Neutralized, & 11% NCREIF ODCE Net.
(9/1/2021-9/30/2021)	28% MSCI USA IMI, 26% Fixed Income Custom Benchmark, 21% MSCI ACWI ex US, 0.00% Russell 2000, 0.63% Bloomberg US Corp. High Yield 6.00% Private Equity Neutralized, 7.37% Private Credit Neutralized, & 11% NCREIF ODCE Net.
(8/1/2021-8/31/2021)	28% MSCI USA IMI, 26% Fixed Income Custom Benchmark, 21% MSCI ACWI ex US, 0.00% Russell 2000, 0.81% Bloomberg US Corp. High Yield 6.00% Private Equity Neutralized, 7.19% Private Credit Neutralized, & 11% NCREIF ODCE Net.
(7/1/2021-7/31/2021)	28% MSCI USA IMI, 26% Fixed Income Custom Benchmark, 21% MSCI ACWI ex US, 0.00% Russell 2000, 0.72% Bloomberg US Corp. High Yield 6.00% Private Equity Neutralized, 7.28% Private Credit Neutralized, & 11% NCREIF ODCE Net.
BBgBarc Global Aggregate*	Prior to 3/31/2014 Bloomberg U.S. Aggregate Index and as of 4/1/2014 Bloomberg Global Aggregate Index.
Fixed Income Custom Benchmark 12/1/2021- Present)	50% Bloomberg U.S. Aggregate Index, 4.5% Bloomberg US Securitized Index, 18.2% Bloomberg High Yield, 18.2% S&P LSTA U.S. Leveraged Loa Index, 9.1% JP Morgan EMBI Global
Fixed Income Custom Benchmark (9/1/2020- 11/30/2021)	38.5% Bloomberg U.S. Aggregate Index, 3.8% Bloomberg US Securitized Index, 30.8% 50% Bloomberg High Yield/50% S&P LSTA U.S. Leverage Loan Index, 15.4% FTSE WGBI TR, 11.5% JP Morgan GBI EM Global
(4/1/2014-9/1/2020)	100% Bloomberg Global Aggregate Index

Other Disclosures

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