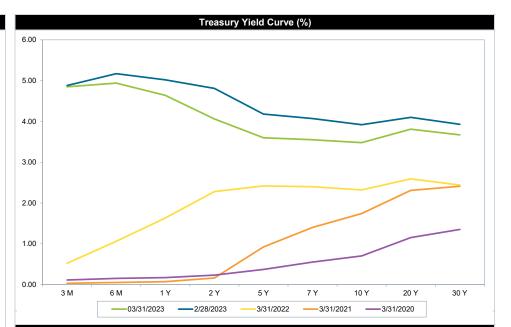


Capital Markets Review As of March 31, 2023

#### **General Market Commentary**

- Market price action, investor sentiment and headlines were, in large part, driven by the failure of three US banks, the most prominent being Silicon Valley Bank (SVB) which represented the second largest bank failure in US history. Concerns around liquidity spread causing sharp declines in market value for other US regional banks and some European banks with sentiment around Credit Suisse sinking most acutely. Ultimately, investors lost confidence in Credit Suisse which sought liquidity from the Swiss National Bank before agreeing to an acquisition by UBS.
- Most broad equity indexes shook off negative returns in February and delivered a positive result in March. However, there was significant dispersion between style and market cap with growth-oriented stocks providing positive returns. Conversely, US value, US small cap and European value indexes each depreciated sharply during the month given the heavier exposure to the failed banks and other banks perceived to be at-risk. Broad bond markets delivered positive returns amid the heightened volatility within equity markets.
- Following the bank failures, the Federal Open Market Committee selected to increase the federal funds rate to a target range between 4.75% 5.00%. This represents the second straight monthly increase of 0.25% following a string of 0.50% increases. This continues a pattern of rising rates to combat inflationary pressures although data released by the FOMC indicated the majority of officials expect only one more rate hike in 2023. This most recent increase was preceded by a Consumer Price Index report pointing to year-over-year inflation of 6.00% in February, which met market expectations, and stronger than expected US payroll growth.
- Equity markets posted positive returns in March as the S&P 500 (Cap Wtd) Index returned 3.67% and the MSCI EAFE (Net) Index returned 2.48%. Emerging markets returned 3.03%, as measured by the MSCI EM (Net) Index.
- The Bloomberg US Aggregate Bond Index returned 2.54% in March, outperforming the 2.45% return by the Bloomberg US Treasury Intermediate Term Index. International fixed income markets returned 4.46%, as measured by the FTSE Non-US World Gov't Bond Index.
- Public real estate returned -2.54% in March and 6.02% over the trailing five-year period, as measured by the FTSE NAREIT Eq REITs Index (TR).
- The Cambridge US Private Equity Index returned 2.60% for the trailing one-year period and 17.17% for the trailing five-year period ending September 2022.
- . The return for absolute return strategies, as measured by the HFRI FOF Comp Index, is currently unavailable.
- Crude oil's price fell by 1.79% during the month and has decreased by 24.54% YoY.

Economic Indicators	Mar-23		Feb-23	Mar-22	10 Yr	20 Yr
Federal Funds Rate (%)	4.83	<b>A</b>	4.57	0.33	0.89	1.34
Breakeven Inflation - 5 Year (%)	2.47	▼	2.59	3.43	1.88	1.93
Breakeven Inflation - 10 Year (%)	2.33	▼	2.38	2.83	1.97	2.09
Breakeven Inflation - 30 Year (%)	2.26	▼	2.33	2.44	2.03	2.26
Bloomberg US Agg Bond Index - Yield (%)	4.40	▼	4.81	2.92	2.47	3.22
Bloomberg US Agg Bond Index - OAS (%)	0.57	<b>A</b>	0.48	0.41	0.47	0.59
Bloomberg US Agg Credit Index - OAS (%)	1.29	<b>A</b>	1.15	1.08	1.18	1.38
Bloomberg US Corp: HY Index - OAS (%)	4.55	<b>A</b>	4.12	3.25	4.28	4.98
Capacity Utilization (%)	N/A	N/A	79.11	79.82	77.26	77.03
Unemployment Rate (%)	3.50	▼	3.60	3.60	5.15	5.97
PMI - Manufacturing (%)	46.30	▼	47.70	57.10	54.36	53.63
Baltic Dry Index - Shipping	1,389	<b>A</b>	990	2,358	1,354	2,415
Consumer Conf (Conf Board)	104.20	<b>A</b>	102.90	107.60	106.56	91.68
CPI YoY (Headline) (%)	6.00	_	6.00	8.50	2.60	2.53
CPI YoY (Core) (%)	5.50	_	5.50	6.50	2.58	2.24
PPI YoY (%)	N/A	N/A	6.40	15.30	2.82	3.12
M2 YoY (%)	N/A	N/A	-2.40	9.50	7.94	7.00
US Dollar Total Weighted Index	119.48	▼	121.41	115.35	110.88	103.40
WTI Crude Oil per Barrel (\$)	76	▼	77	100	66	68
Gold Spot per Oz (\$)	1,979	<b>A</b>	1,827	1,937	1,445	1,179



Treasury Yield Curve (%)	Mar-23		Feb-23		Mar-22		Mar-21		Mar-20
3 Month	4.85		4.88		0.52		0.03		0.11
6 Month	4.94		5.17		1.06		0.05		0.15
1 Year	4.64		5.02		1.63		0.07		0.17
2 Year	4.06		4.81		2.28		0.16		0.23
5 Year	3.60		4.18		2.42		0.92		0.37
7 Year	3.55		4.07		2.40		1.40		0.55
10 Year	3.48		3.92		2.32		1.74		0.70
20 Year	3.81		4.10		2.59		2.31		1.15
30 Year	3.67		3.93		2.44		2.41		1.35
Market Performance (%)		MTD	QTD	CYTD	1 Yr	3 Yr	5 Yr	7 Yr	10 Yr
S&P 500 (Cap Wtd)		3.67	7.50	7.50	-7.73	18.60	11.19	12.42	12.24
Russell 2000		-4.78	2.74	2.74	-11.61	17.51	4.71	8.55	8.04
MSCI EAFE (Net)		2.48	8.47	8.47	-1.38	12.99	3.52	6.21	5.00
MSCI EAFE SC (Net)		-0.21	4.92	4.92	-9.83	12.07	0.87	5.26	5.86
MSCI EM (Net)		3.03	3.96	3.96	-10.70	7.83	-0.91	4.91	2.00
Bloomberg US Agg Bond		2.54	2.96	2.96	-4.78	-2.77	0.90	0.88	1.36
ICE BofAML 3 Mo US T-Bill		0.43	1.07	1.07	2.50	0.89	1.41	1.21	0.87
NCREIF ODCE (Gross)		N/A	N/A	N/A	0.09	9.57	8.21	8.21	9.81
FTSE NAREIT Eq REITs Inde	ex (TR)	-2.54	2.68	2.68	-19.19	12.08	6.02	4.10	5.97
HFRI FOF Comp Index		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bloomberg Cmdty Index (TR)		-0.21	-5.36	-5.36	-12.49	20.82	5.36	5.59	-1.72

NCREIF performance is reported quarterly; MTD and QTD returns are shown as "N/A" on interim-quarter months and until available. Data shown is as of most recent quarter-end. Treasury data courtesy of the US Department of the Treasury. Economic data courtesy of Bloomberg Professional Service. The previous month's CPI YoY is used as a proxy for the current YoY return until it becomes available. Performance for HFRI FOF Comp Index is currently unavailable.



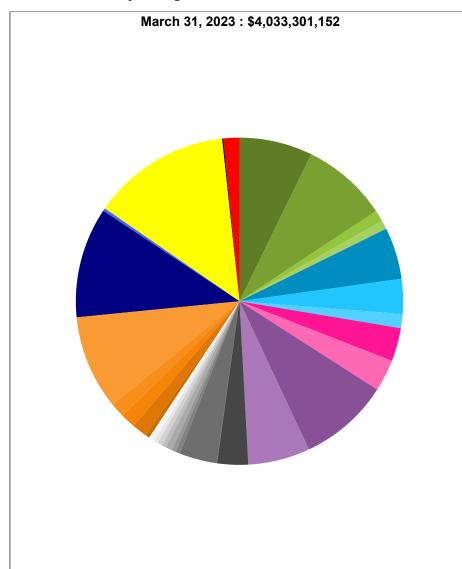
#### Monthly Portfolio Highlights

The Total Fund returned 1.74% for the month of March, net of fees, outperforming the Policy Benchmark by 123 basis points. Market price action, investor sentiment and headlines were, in large part, driven by the failure of three US banks. The most prominent being Silicon Valley Bank (SVB), which represented the second largest bank failure in US history. Concerns around liquidity spread caused sharp declines in market value for other US regional banks and some European banks

banks.	d snarp declines in market value for other US regional banks and some European
Market Trend	Portfolio Effect
U.S.	Equity
U.S. Equity markets finished positive in March, posting low single-digit gains. For the month, large cap generally outperformed small cap while growth stocks largely outperformed their value counterparts. U.S. value and small cap indexes depreciated sharply due to their heavier exposure to failed banks and banks perceived to be at-risk.	The Composite returned 2.67% and matched the Russell 3000 Index. Positive performance was driven by the U.S. Large Cap Equity Composite which returned 3.72%.
Developed Market	et Non-U.S. Equity
Developed International Equity markets returned 2.48% for the month, as represented by the MSCI EAFE Index. Developed International Equities underperformed U.S. Equities during the month.	The Composite delivered a return of 3.55%, and outperformed the MSCI EAFE Index by 107 basis points. PanAgora and Artisan both contributed to relative outperformance, returning 4.86% and 2.97%, respectively.
Emerging N	larket Equity
Emerging Markets led their Developed counterparts with a return of 3.03% as represented by the MSCI EM Index.	The Composite finished with a return 2.56%, underperforming the MSCI Emg Index by 47 basis points. DFA led underperformance relative to the benchmark, underperforming by 110 basis points.
Core Fixe	ed Income
Following the bank failures, the Federal Open Market Committee opted to increase the federal funds rate to a target range between 4.75%-5.00%. This continues a pattern of rising rates to combat inflationary pressures although data released by the FOMC indicated the majority of officials expect only one more rate hike in 2023. The Bloomberg U.S. Aggregate Bond Index posted a return of 2.54% for the month.	The Composite posted a return of 2.53%, underperforming the Bloomberg US Agg Bond Index by 1 basis point. Relative underperformance was driven by PGIM which returned 1.98% and trailed the index by 56 basis points.
Non-Core F	ixed Income
Emerging Markets Debt and Bank Loans posted positive and negative index returns for the month of March, respectively.	The Composite returned 1.05%, outperforming the Custom Non-Core Fixed Income Benchmark by 49 basis points. Wellington EMD and Beach Point both outperformed their benchmarks by 27 and 8 basis points, respectively.
Real I	Return
Commodities broadly experienced losses during the month, with the Bloomberg Commodity Index returning -0.21%. The price of gold increased by 8.4% in March. Crude oil's price fell by 1.79% during the month and decreased by 24.54% YoY.	The Composite had a return of 1.20%, outperforming the CPI+4% by 54 basis points and the Custom Real Return Benchmark by 85 basis points. BNY Mellon TIPS posted the highest absolute performance with a return of 2.88%.

Total Fund performance excludes 130 RHR and Treasury Cash.





	Market Value (\$)	Allocation (%)
■ BNY Mellon HEDI (SA)	291,134,009	7.22
■ BNY Mellon R1000 Index - NL (CF)	341,863,612	8.48
■ Dimensional U.S. Small Cap Value (CF)	45,386,081	1.13
■ RHJ Small Cap Opportunities (SA)	34,853,063	0.86
■ First Eagle International Value Equity (SA)	833,112	0.02
■ PanAgora Dynamic International Equity (SA)	205,610,603	5.10
Artisan Non-U.S. Growth (SA)	139,018,981	3.45
Acadian Non-US Small Cap Equity (CF)	56,146,418	1.39
■ DFA Emg Mkts Value;I (DFEVX)	132,783,372	3.29
■ RBC Emerging Markets Equity (CF)	127,182,436	3.15
■ Garcia Hamilton Core Fixed Income (SA)	360,632,931	8.94
■ PGIM Core Plus Fixed Income (CF)	246,629,757	6.11
■ Wellington Blended Opportunistic EMD (CF)	122,861,271	3.05
■ Hotchkis & Wiley High Yield (SA)	1,354,404	0.03
■ Beach Point Leveraged Loan (CF)	150,351,139	3.73
■ AG Direct Lending Fund III, LP	17,421,073	0.43
■ First Eagle Direct Lending Fund IV	15,824,893	0.39
■ PIMCO Private Income Fund, LLC	25,673,055	0.64
■ Deerpath Capital V, LP	18,100,805	0.45
■ AG Direct Lending Fund IV, LP	18,885,624	0.47
■ First Eagle Direct Lending Fund V-B	14,592,791	0.36
■ Deerpath Capital VI, LP	15,458,814	0.38
AG Direct Lending Evergreen Fund, LP	9,474,404	0.23
■ BNY Mellon TIPS - NL (CF)	15,536,875	0.39
■ Cohen & Steers Real Assets Fund (CIT)	60,819,391	1.51
Nuveen Real Asset Income Fund (SA)	60,104,850	1.49
■ Private Natural Resources	56,762,265	1.41
Private Infrastructure	376,455,185	9.33
■ ORG Real Estate	439,724,205	10.90
■ 130 Robin Hill Rd	10,903,734	0.27
Private Equity Composite	552,341,984	13.69
■ Transition Account	4,767,876	0.12
■ Cash Composite	63,808,818	1.58

	Schedule of Investable Assets Ex Treasury Cash												
Periods Ending	Beginning Market Value (\$)	Net Cash Flow (\$)	Gain/Loss (\$)	Ending Market Value (\$)	% Return								
FYTD	3,859,132,211	-39,807,859	182,050,834	4,001,375,186	4.75								

Market values shown are preliminary and subject to change. Performance shown is net of fees and provided by BNY Mellon. Allocations shown may not sum up to 100% exactly due to rounding. Schedule of Investable Assets excludes Treasury Cash. The fiscal year ends 06/30. Market value for Hotchkis & Wiley represents residual assets from liquidation. Total fund market value includes residual assets from liquidated managers. First Eagle International Value Equity (SA) market value represents residual assets in liquidation.



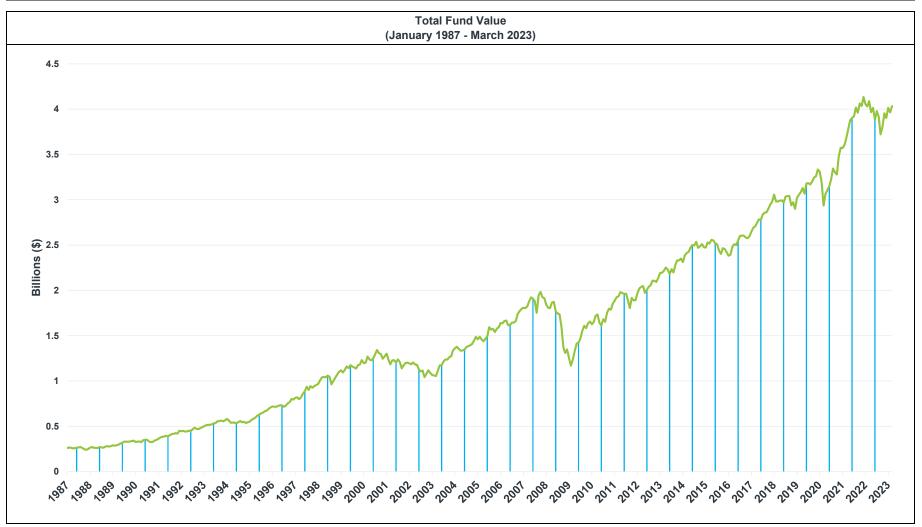
## Santa Barbara County Employees' Retirement System Asset Allocation vs Target Allocation

Total Fund Composite  4 033,301.152 100.0 - 100.0 - 100.0 - 100.0 US Equity Composite  713,236,765 17.7 15.0 19.0 23.0 23.0 Developed Non-US Equity Composite  401,644,771 10.0 8.0 11.0 11.0 14.0 T.0 10.0 Core Fixed Income Composite  607,230,352 15.1 14.0 17.0 20.0 Non-Core Fixed Income Composite  409,998,272 10.2 8.0 11.0 14.0 Real Return Composite  569,678,567 14.1 8.0 15.0 22.0 Real Estate Composite  439,724,205 10.9 5.0 10.0 15.0 Private Equity Composite  532,341,984 13.7 5.0 10.0 15.0 Cash Composite  63,808,818 1.6 0.0 0.0 0.0 2.0 Transition Account  4,767,876 0.1 0.0 0.0 0.0 0.0 130 Robin Hill Rd  US Equity Composite  Core Fixed Income Composite  Real Estate Composite  Private Equity Composite  Cash Composite  Cash Composite  Cash Composite  Transition Account  130 Robin Hill Rd			Market Value (\$)	Allocation (%)	Lower Range (%)	Target (%)	Upper Range (%)
Developed Non-US Equity Composite  401,644,771	Total Fund Composite		4,033,301,152	100.0	-	100.0	
Emerging Markets Equity Composite 259,965,808 6.4 4.0 7.0 10.0 Core Fixed Income Composite 607,230,352 15.1 14.0 17.0 20.0 Non-Core Fixed Income Composite 607,230,352 15.1 14.0 17.0 20.0 Non-Core Fixed Income Composite 569,678,567 14.1 8.0 15.0 22.0 Real Return Composite 439,724,205 10.9 5.0 10.0 15.0 Real Estate Composite 439,724,205 10.9 5.0 10.0 15.0 Cash Composite 552,341,984 13.7 5.0 10.0 15.0 Cash Composite 63,808,818 1.6 0.0 0.0 2.0 Transition Account 4,767,876 0.1 0.0 0.0 0.0 2.0 Transition Account 4,767,876 0.1 0.0 0.0 0.0 0.0 130 Robin Hill Rd 10,903,734 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	US Equity Composite		713,236,765	17.7	15.0	19.0	23.0
Core Fixed Income Composite 607,230.352 15.1 14.0 17.0 20.0 Non-Core Fixed Income Composite 409,998,272 10.2 8.0 11.0 14.0 Non-Core Fixed Income Composite 569,678.567 14.1 8.0 15.0 22.0 Real Return Composite 439,724,205 10.9 5.0 10.0 15.0 Private Equity Composite 552,341,984 13.7 5.0 10.0 15.0 Cash Composite 63,808,818 1.6 0.0 0.0 2.0 Transition Account 4,767,876 0.1 0.0 0.0 0.0 2.0 Transition Hill Rd 10,903,734 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Developed Non-US Equity Composite		401,644,771	10.0	8.0	11.0	14.0
Non-Core Fixed Income Composite Real Return Composite S69,678,567 14.1 8.0 15.0 22.0 Real Return Composite 439,724,205 10.9 5.0 10.0 15.0 Private Equity Composite 552,341,984 13.7 5.0 10.0 15.0 Cash Composite 63,808,818 1.6 0.0 0.0 0.0 130 Robin Hill Rd 10,903,734 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Emerging Markets Equity Composite		259,965,808	6.4	4.0	7.0	10.0
Real Return Composite 569,678,567 14.1 8.0 15.0 22.0 Real Estate Composite 439,724,205 10.9 5.0 10.0 15.0 Private Equity Composite 552,341,984 13.7 5.0 10.0 2.0 Transition Account 4,767,876 0.1 0.0 0.0 0.0 1.30 Robin Hill Rd 10,903,734 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Core Fixed Income Composite		607,230,352	15.1	14.0	17.0	20.0
Real Estate Composite	Non-Core Fixed Income Composite		409,998,272	10.2	8.0	11.0	14.0
Private Equity Composite 552,341,984 13.7 5.0 10.0 15.0 Cash Composite 63,808,818 1.6 0.0 0.0 0.0 2.0 17 Cash Composite 63,808,818 1.6 0.0 0.0 0.0 0.0 0.0 130 Robin Hill Rd 10,903,734 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Real Return Composite		569,678,567	14.1	8.0	15.0	22.0
Cash Composite Cash C	Real Estate Composite		439,724,205	10.9	5.0	10.0	15.0
Cash Composite  130 Robin Hill Rd  153,808,818  1.6  0.0  0.0  0.0  0.0  0.0  0.0  10,903,734  10.0  0.0  0.0  0.0  0.0  0.0  0.0  0	Private Equity Composite		552,341,984	13.7	5.0	10.0	15.0
US Equity Composite Developed Non-US Equity Composite Emerging Markets Equity Composite Core Fixed Income Composite Real Return Composite Real Estate Composite Private Equity Composite Cash Composite Transition Account 130 Robin Hill Rd	Cash Composite		63,808,818	1.6	0.0	0.0	2.0
US Equity Composite  Developed Non-US Equity Composite  Emerging Markets Equity Composite  Core Fixed Income Composite  Real Return Composite  Real Estate Composite  Private Equity Composite  Cash Composite  Transition Account  130 Robin Hill Rd	Transition Account		4,767,876	0.1	0.0	0.0	0.0
Developed Non-US Equity Composite  Emerging Markets Equity Composite  Core Fixed Income Composite  Non-Core Fixed Income Composite  Real Return Composite  Real Estate Composite  Private Equity Composite  Cash Composite  Transition Account  130 Robin Hill Rd	130 Robin Hill Rd		10,903,734	0.3	0.0	0.0	0.0
Transition Account  130 Robin Hill Rd	Non-Core Fixed Income Composite  Real Return Composite  Real Estate Composite  Private Equity Composite						
	Transition Account						
0% 3% 6% 9% 12% 15% 18% 21% 2	130 Robin Hill Rd	_					
		0%	3% 6%	9% 12	2% 15%	18%	21% 2

Market values shown are preliminary and subject to change. Allocations shown may not sum up to 100% exactly due to rounding. Market value for the Transition Account represents residual assets from portfolio restructuring. Composite market values include residual assets from liquidated managers.



	Market Value		Performance (%)										
	(\$)	FYTD	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018	FY 2017	FY 2016	FY 2015	FY 2014	FY 2013	Since Incep.
Total Fund	4,033,301,152	4.75	0.28	25.20	-0.10	7.74	7.80	10.49	1.37	0.42	15.25	8.10	8.18



Market values and performance shown are preliminary and subject to change. Performance shown is net of fees and is annualized for periods greater than one year. The fiscal year for Santa Barbara County Employees' Retirement System ends 06/30. Inception date for the Total Fund is 01/01/1987. Total Fund performance excludes Treasury Cash.



	Allocatio	n					Perfor	mance (%	5)			
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	10 Years	Since Incep.	Inception Date
Total Fund Composite	4,033,301,152	100.00	1.73	3.69	3.69	4.75	-0.21	12.23	7.24	6.91	8.18	01/01/1987
Total Fund Composite Ex 130 Robin Hill Rd	4,022,397,418	99.73	1.74	3.70	3.70	4.84	-0.11	12.34	7.30	6.94	8.18	01/01/1987
SBCERS Policy Benchmark			0.51	4.18	4.18	4.12	-2.47	9.54	6.48	6.88	N/A	
Difference			1.23	-0.48	-0.48	0.72	2.36	2.80	0.82	0.06	N/A	
SBCERS Dynamic Policy Benchmark			-0.06	3.95	3.95	2.54	-4.47	9.57	5.83	6.31	N/A	
Difference			1.80	-0.25	-0.25	2.30	4.36	2.77	1.47	0.63	N/A	
US Equity Composite	713,236,765	17.68	2.67	6.56	6.56	9.95	-6.19	18.71	11.02	11.75	10.65	01/01/1987
Russell 3000 Index			2.67	7.18	7.18	9.75	-8.58	18.48	10.45	11.73	10.38	
Difference			0.00	-0.62	-0.62	0.20	2.39	0.23	0.57	0.02	0.27	
US Large Cap Equity Composite	632,997,621	15.69	3.72	6.98	6.98	10.10	-6.34	18.13	11.57	N/A	12.46	06/01/2016
Russell 1000 Index			3.16	7.46	7.46	9.93	-8.39	18.55	10.87	12.01	12.17	
Difference			0.56	-0.48	-0.48	0.17	2.05	-0.42	0.70	N/A	0.29	
US Small Cap Equity Composite	80,239,144	1.99	-4.94	3.38	3.38	8.77	-4.96	25.44	5.83	N/A	9.42	06/01/2016
Russell 2000 Index			-4.78	2.74	2.74	6.75	-11.61	17.51	4.71	8.04	8.17	
Difference			-0.16	0.64	0.64	2.02	6.65	7.93	1.12	N/A	1.25	
Developed Non-US Equity Composite	401,644,771	9.96	3.55	8.94	8.94	14.64	-0.44	12.38	3.03	5.28	6.67	07/01/2012
MSCI EAFE Index (USD) (Net)			2.48	8.47	8.47	15.36	-1.38	12.99	3.52	5.00	6.42	
Difference			1.07	0.47	0.47	-0.72	0.94	-0.61	-0.49	0.28	0.25	
Emerging Markets Equity Composite	259,965,808	6.45	2.56	4.91	4.91	4.88	-5.85	12.88	1.09	2.66	3.62	07/01/2012
MSCI Emg Mkts Index (USD) (Net)			3.03	3.96	3.96	0.84	-10.70	7.83	-0.91	2.00	2.93	
Difference			-0.47	0.95	0.95	4.04	4.85	5.05	2.00	0.66	0.69	
Core Fixed Income Composite	607,230,352	15.06	2.53	3.38	3.38	0.19	-4.86	-1.37	1.24	N/A	1.28	07/01/2017
Bloomberg US Agg Bond Index			2.54	2.96	2.96	-0.09	-4.78	-2.77	0.90	1.36	0.74	
Difference			-0.01	0.42	0.42	0.28	-0.08	1.40	0.34	N/A	0.54	
Non-Core Fixed Income Composite	409,998,272	10.17	1.05	2.84	2.84	6.50	1.89	6.57	2.05	N/A	2.43	07/01/2017
Custom Non-Core Fixed Income Benchmark			0.56	3.23	3.23	6.67	0.03	6.04	2.46	3.11	2.77	
Difference			0.49	-0.39	-0.39	-0.17	1.86	0.53	-0.41	N/A	-0.34	



	Allocation	n			·	·	Perfor	mance (%	o)		·	
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	10 Years	Since Incep.	Inception Date
Real Return Composite	569,678,567	14.12	1.20	3.26	3.26	4.91	6.09	13.95	7.80	N/A	7.24	07/01/2017
Consumer Price Index+4%			0.66	2.70	2.70	4.91	9.18	9.57	8.03	6.74	7.85	
Difference			0.54	0.56	0.56	0.00	-3.09	4.38	-0.23	N/A	-0.61	
Custom Real Return Benchmark			0.35	2.37	2.37	3.41	1.35	10.57	5.97	N/A	5.77	
Difference			0.85	0.89	0.89	1.50	4.74	3.38	1.83	N/A	1.47	
Real Estate Composite	439,724,205	10.90	0.03	-0.07	-0.07	3.39	12.40	15.32	12.84	12.22	7.82	04/01/2006
NCREIF ODCE Index (AWA) (Net) (1 Qtr Lag)			-5.17	-5.17	-5.17	-0.55	6.55	8.97	7.72	9.11	6.38	
Difference			5.20	5.10	5.10	3.94	5.85	6.35	5.12	3.11	1.44	
Private Equity Composite	552,341,984	13.69	1.62	1.78	1.78	-1.26	0.18	21.17	17.56	16.18	11.46	06/01/2006
Russell 3000+3% Index (1 Qtr Lag)			-5.62	7.98	7.98	-12.79	-16.78	10.28	12.05	15.50	11.98	
Difference			7.24	-6.20	-6.20	11.53	16.96	10.89	5.51	0.68	-0.52	

Performance for the NCREIF ODCE Index (AWA) (Net) (1 Qtr Lag) is available quarterly; interim months assume a 0.00% return.



	Allocatio	n					Perfor	mance (%	<b>5</b> )			
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	10 Years	Since Incep.	Inception Date
Total Fund Composite	4,033,301,152	100.00	1.73	3.69	3.69	4.75	-0.21	12.23	7.24	6.91	8.18	01/01/1987
Total Fund Composite Ex 130 Robin Hill Rd	4,022,397,418	99.73	1.74	3.70	3.70	4.84	-0.11	12.34	7.30	6.94	8.18	01/01/1987
SBCERS Policy Benchmark			0.51	4.18	4.18	4.12	-2.47	9.54	6.48	6.88	N/A	
Difference			1.23	-0.48	-0.48	0.72	2.36	2.80	0.82	0.06	N/A	
SBCERS Dynamic Policy Benchmark			-0.06	3.95	3.95	2.54	-4.47	9.57	5.83	6.31	N/A	
Difference			1.80	-0.25	-0.25	2.30	4.36	2.77	1.47	0.63	N/A	
US Equity Composite	713,236,765	17.68	2.67	6.56	6.56	9.95	-6.19	18.71	11.02	11.75	10.65	01/01/1987
Russell 3000 Index			2.67	7.18	7.18	9.75	-8.58	18.48	10.45	11.73	10.38	
Difference			0.00	-0.62	-0.62	0.20	2.39	0.23	0.57	0.02	0.27	
US Large Cap Equity Composite	632,997,621	15.69	3.72	6.98	6.98	10.10	-6.34	18.13	11.57	N/A	12.46	06/01/2016
Russell 1000 Index			3.16	7.46	7.46	9.93	-8.39	18.55	10.87	12.01	12.17	
Difference			0.56	-0.48	-0.48	0.17	2.05	-0.42	0.70	N/A	0.29	
BNY Mellon HEDI (SA)	291,134,009	7.22	4.39	6.42	6.42	10.33	-3.79	17.70	12.31	N/A	10.95	05/01/2019
Russell 1000 Index			3.16	7.46	7.46	9.93	-8.39	18.55	10.87	12.01	10.40	
Difference			1.23	-1.04	-1.04	0.40	4.60	-0.85	1.44	N/A	0.55	
BNY Mellon R1000 Index - NL (CF)	341,863,612	8.48	3.16	7.45	7.45	9.91	-8.41	18.58	10.98	12.09	10.51	05/01/2019
Russell 1000 Index			3.16	7.46	7.46	9.93	-8.39	18.55	10.87	12.01	10.40	
Difference			0.00	-0.01	-0.01	-0.02	-0.02	0.03	0.11	0.08	0.11	
US Small Cap Equity Composite	80,239,144	1.99	-4.94	3.38	3.38	8.77	-4.96	25.44	5.83	N/A	9.42	06/01/2016
Russell 2000 Index			-4.78	2.74	2.74	6.75	-11.61	17.51	4.71	8.04	8.17	
Difference			-0.16	0.64	0.64	2.02	6.65	7.93	1.12	N/A	1.25	
Dimensional U.S. Small Cap Value (CF)	45,386,081	1.13	-6.92	0.83	0.83	11.60	-2.02	33.09	7.98	9.20	8.49	04/01/2005
Russell 2000 Index			-4.78	2.74	2.74	6.75	-11.61	17.51	4.71	8.04	7.59	
Difference			-2.14	-1.91	-1.91	4.85	9.59	15.58	3.27	1.16	0.90	
Russell 2000 Val Index			-7.17	-0.66	-0.66	2.74	-12.96	21.01	4.55	7.22	6.75	
Difference			0.25	1.49	1.49	8.86	10.94	12.08	3.43	1.98	1.74	
RHJ Small Cap Opportunities (SA)	34,853,063	0.86	-2.24	6.91	6.91	5.30	-8.53	17.69	3.36	N/A	8.91	06/01/2016
Russell 2000 Index			-4.78	2.74	2.74	6.75	-11.61	17.51	4.71	8.04	8.17	
Difference			2.54	4.17	4.17	-1.45	3.08	0.18	-1.35	N/A	0.74	
Russell 2000 Grth Index			-2.47	6.07	6.07	10.72	-10.60	13.36	4.26	8.49	8.38	
Difference			0.23	0.84	0.84	-5.42	2.07	4.33	-0.90	N/A	0.53	

Performance shown is net of fees and provided by BNY Mellon or the manager. Performance shown is preliminary and subject to change. Performance is annualized for periods greater than one year. Total Fund performance excludes Treasury Cash. Indices show N/A for since inception returns when the fund contains more history than the corresponding benchmark. The fiscal year ends 06/30. Composite market values include residual assets from liquidated managers.



	Allocation	1					Perfor	mance (%	<b>5</b> )			
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	10 Years	Since Incep.	Inception Date
Developed Non-US Equity Composite	401,644,771	9.96	3.55	8.94	8.94	14.64	-0.44	12.38	3.03	5.28	6.67	07/01/2012
MSCI EAFE Index (USD) (Net)			2.48	8.47	8.47	15.36	-1.38	12.99	3.52	5.00	6.42	
Difference			1.07	0.47	0.47	-0.72	0.94	-0.61	-0.49	0.28	0.25	
PanAgora Dynamic International Equity (SA)	205,610,603	5.10	4.86	11.40	11.40	18.21	2.06	15.64	3.18	5.64	8.03	05/01/2009
MSCI EAFE Index (USD) (Net)			2.48	8.47	8.47	15.36	-1.38	12.99	3.52	5.00	7.05	
Difference			2.38	2.93	2.93	2.85	3.44	2.65	-0.34	0.64	0.98	
Artisan Non-U.S. Growth (SA)	139,018,981	3.45	2.97	9.12	9.12	16.46	0.26	9.33	3.54	N/A	4.27	02/01/2014
MSCI EAFE Index (USD) (Net)			2.48	8.47	8.47	15.36	-1.38	12.99	3.52	5.00	4.16	
Difference			0.49	0.65	0.65	1.10	1.64	-3.66	0.02	N/A	0.11	
Acadian Non-US Small Cap Equity (CF)	56,146,418	1.39	0.35	5.90	5.90	11.32	-8.35	N/A	N/A	N/A	4.32	12/01/2020
MSCI EAFE Sm Cap Index (USD) (Net)			-0.21	4.92	4.92	9.54	-9.83	12.07	0.87	5.86	-1.29	
Difference			0.56	0.98	0.98	1.78	1.48	N/A	N/A	N/A	5.61	
Emerging Markets Equity Composite	259,965,808	6.45	2.56	4.91	4.91	4.88	-5.85	12.88	1.09	2.66	3.62	07/01/2012
MSCI Emg Mkts Index (USD) (Net)			3.03	3.96	3.96	0.84	-10.70	7.83	-0.91	2.00	2.93	
Difference			-0.47	0.95	0.95	4.04	4.85	5.05	2.00	0.66	0.69	
DFA Emg Mkts Value;I (DFEVX)	132,783,372	3.29	1.93	3.74	3.74	3.18	-7.88	16.23	0.24	N/A	2.19	05/01/2013
MSCI Emg Mkts Index (USD) (Net)			3.03	3.96	3.96	0.84	-10.70	7.83	-0.91	2.00	1.94	
Difference			-1.10	-0.22	-0.22	2.34	2.82	8.40	1.15	N/A	0.25	
MSCI Emg Mkts Val Index (USD) (Net)			2.45	3.91	3.91	1.56	-9.44	10.04	-1.15	0.69	0.69	
Difference			-0.52	-0.17	-0.17	1.62	1.56	6.19	1.39	N/A	1.50	
RBC Emerging Markets Equity (CF)	127,182,436	3.15	3.23	6.16	6.16	6.72	-3.63	9.98	1.84	N/A	4.98	09/01/2016
MSCI Emg Mkts Index (USD) (Net)			3.03	3.96	3.96	0.84	-10.70	7.83	-0.91	2.00	3.96	
Difference			0.20	2.20	2.20	5.88	7.07	2.15	2.75	N/A	1.02	
MSCI Emg Mkts Grth Index (USD) (Net)			3.59	4.00	4.00	0.20	-11.87	5.65	-0.79	3.18	4.67	
Difference			-0.36	2.16	2.16	6.52	8.24	4.33	2.63	N/A	0.31	



	Allocation	n					Perfor	mance (%	<b>5</b> )			
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	10 Years	Since Incep.	Inception Date
Core Fixed Income Composite	607,230,352	15.06	2.53	3.38	3.38	0.19	-4.86	-1.37	1.24	N/A	1.28	07/01/2017
Bloomberg US Agg Bond Index			2.54	2.96	2.96	-0.09	-4.78	-2.77	0.90	1.36	0.74	
Difference			-0.01	0.42	0.42	0.28	-0.08	1.40	0.34	N/A	0.54	
Garcia Hamilton Core Fixed Income (SA)	360,632,931	8.94	2.91	3.51	3.51	-0.13	-3.94	-1.57	1.14	N/A	0.99	09/01/2017
Bloomberg US Agg Bond Index			2.54	2.96	2.96	-0.09	-4.78	-2.77	0.90	1.36	0.53	
Difference			0.37	0.55	0.55	-0.04	0.84	1.20	0.24	N/A	0.46	
PGIM Core Plus Fixed Income (CF)	246,629,757	6.11	1.98	3.19	3.19	0.78	-5.75	-0.62	N/A	N/A	1.56	06/01/2018
Bloomberg US Agg Bond Index			2.54	2.96	2.96	-0.09	-4.78	-2.77	0.90	1.36	0.94	
Difference			-0.56	0.23	0.23	0.87	-0.97	2.15	N/A	N/A	0.62	
Non-Core Fixed Income Composite	409,998,272	10.17	1.05	2.84	2.84	6.50	1.89	6.57	2.05	N/A	2.43	07/01/2017
Custom Non-Core Fixed Income Benchmark	, ,		0.56	3.23	3.23	6.67	0.03	6.04	2.46	3.11	2.77	
Difference			0.49	-0.39	-0.39	-0.17	1.86	0.53	-0.41	N/A	-0.34	
Wellington Blended Opportunistic EMD (CF)	122,861,271	3.05	2.81	4.02	4.02	8.15	-2.42	1.54	N/A	N/A	-2.95	03/01/2020
Wellington Blended Benchmark	, ,		2.54	3.51	3.51	6.90	-3.83	0.46	-1.44	0.29	-3.80	
Difference			0.27	0.51	0.51	1.25	1.41	1.08	N/A	N/A	0.85	
Beach Point Leveraged Loan (CF)	150,351,139	3.73	-0.02	3.72	3.72	7.69	1.99	7.75	3.25	3.45	3.73	10/01/2012
Credit Suisse Lvg'd Loan Index			-0.10	3.11	3.11	6.77	2.12	8.38	3.55	3.86	4.05	
Difference			0.08	0.61	0.61	0.92	-0.13	-0.63	-0.30	-0.41	-0.32	
AG Direct Lending Fund III, LP	17,421,073	0.43										11/01/2018
First Eagle Direct Lending Fund IV	15,824,893	0.39										06/01/2019
PIMCO Private Income Fund, LLC	25,673,055	0.64										11/01/2019
AG Direct Lending Fund IV, LP	18,885,624	0.47										06/01/2021
Deerpath Capital V, LP	18,100,805	0.45										11/01/2020
Deerpath Capital VI, LP	15,458,814	0.38										11/01/2021
First Eagle Direct Lending Fund V-B	14,592,791	0.36										06/01/2021
AG Direct Lending Evergreen Fund, LP	9,474,404	0.23										09/01/2022

Performance shown is net of fees and provided by BNY Mellon or the manager. Performance shown is preliminary and subject to change. Performance is annualized for periods greater than one year. Total Fund performance excludes Treasury Cash. Indices show N/A for since inception returns when the fund contains more history than the corresponding benchmark. The fiscal year ends 06/30. Composite market values include residual assets from liquidated managers.



	Allocation	n					Performance (%)					
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	10 Years	Since Incep.	Inception Date
Real Return Composite	569,678,567	14.12	1.20	3.26	3.26	4.91	6.09	13.95	7.80	N/A	7.24	07/01/2017
Consumer Price Index+4%			0.66	2.70	2.70	4.91	9.18	9.57	8.03	6.74	7.85	
Difference			0.54	0.56	0.56	0.00	-3.09	4.38	-0.23	N/A	-0.61	
Custom Real Return Benchmark			0.35	2.37	2.37	3.41	1.35	10.57	5.97	N/A	5.77	
Difference			0.85	0.89	0.89	1.50	4.74	3.38	1.83	N/A	1.47	
Public Real Return Composite	136,461,116	3.38	-0.07	1.08	1.08	-0.98	-9.86	9.64	4.16	N/A	4.01	07/01/2017
BNY Mellon TIPS - NL (CF)	15,536,875	0.39	2.88	2.91	2.91	-0.62	-6.68	1.54	2.81	1.41	2.82	05/01/2019
Bloomberg US Trsy US TIPS Index			2.89	3.34	3.34	0.02	-6.06	1.75	2.94	1.49	2.98	
Difference			-0.01	-0.43	-0.43	-0.64	-0.62	-0.21	-0.13	-0.08	-0.16	
Cohen & Steers Real Assets Fund (CIT)	60,819,391	1.51	-0.28	-0.21	-0.21	-1.25	-11.01	15.08	5.87	N/A	5.49	09/01/2017
Cohen & Steers Real Assets Custom Index			-0.30	-0.25	-0.25	-0.74	-10.86	13.95	4.77	2.37	4.50	
Difference			0.02	0.04	0.04	-0.51	-0.15	1.13	1.10	N/A	0.99	
Nuveen Real Asset Income Fund (SA)	60,104,850	1.49	-0.60	1.91	1.91	-0.24	-9.77	9.36	3.12	N/A	2.53	09/01/2017
Nuveen Real Asset Income Blend Index			-1.22	2.96	2.96	1.00	-9.78	8.09	2.82	4.06	2.18	
Difference			0.62	-1.05	-1.05	-1.24	0.01	1.27	0.30	N/A	0.35	
Private Real Return Composite	433,217,451	10.74	1.61	3.85	3.85	7.82	18.34	14.84	10.84	N/A	10.17	07/01/2017
Private Natural Resources	56,762,265	1.41	2.33	2.42	2.42	1.93	6.20	6.84	4.41	N/A	4.93	10/01/2013
Consumer Price Index+4% (1 Qtr Lag)			0.02	0.98	0.98	6.31	10.71	9.12	7.93	6.70	6.66	
Difference			2.31	1.44	1.44	-4.38	-4.51	-2.28	-3.52	N/A	-1.73	
Private Infrastructure	376,455,185	9.33	1.50	4.08	4.08	8.87	20.65	16.60	12.35	N/A	-1.78	01/01/2014
Consumer Price Index+4%			0.66	2.70	2.70	4.91	9.18	9.57	8.03	6.74	6.95	
Difference			0.84	1.38	1.38	3.96	11.47	7.03	4.32	N/A	-8.73	



	Allocation		Performance (%)									
	Market Value (\$)	%	MTD	QTD	CYTD	FYTD	1 Year	3 Years	5 Years	10 Years	Since Incep.	Inception Date
Real Estate Composite	439,724,205	10.90	0.03	-0.07	-0.07	3.39	12.40	15.32	12.84	12.22	7.82	04/01/2006
NCREIF ODCE Index (AWA) (Net) (1 Qtr Lag)			-5.17	-5.17	-5.17	-0.55	6.55	8.97	7.72	9.11	6.38	
Difference			5.20	5.10	5.10	3.94	5.85	6.35	5.12	3.11	1.44	
ORG Real Estate	439,724,205	10.90	0.03	-0.07	-0.07	3.39	12.40	15.32	12.85	12.42	7.81	04/01/2006
NCREIF ODCE Index (AWA) (Net) (1 Qtr Lag)			-5.17	-5.17	-5.17	-0.55	6.55	8.97	7.72	9.11	6.38	
Difference			5.20	5.10	5.10	3.94	5.85	6.35	5.13	3.31	1.43	
Private Equity Composite	552,341,984	13.69	1.62	1.78	1.78	-1.26	0.18	21.17	17.56	16.18	11.46	06/01/2006
Russell 3000+3% Index (1 Qtr Lag)			-5.62	7.98	7.98	-12.79	-16.78	10.28	12.05	15.50	11.98	
Difference			7.24	-6.20	-6.20	11.53	16.96	10.89	5.51	0.68	-0.52	

Performance for the NCREIF ODCE Index (AWA) (Net) (1 Qtr Lag) is available quarterly; interim months assume a 0.00% return.



### Santa Barbara County Employees' Retirement System Alternative Investment Private Credit Fund Performance Listing

Fund Name	Vintage	Asset Class	Commitment (\$)	Paid In Capital (\$)	Distributions (\$)	Valuation (\$)	Fund IRR (%)	Index IRR (%)	Fund Multiple
AG Direct Lending Fund III, LP	2018	Private Credit - Direct Lending	25,000,000	23,035,117	12,225,748	18,650,684	10.44	3.66	1.34
First Eagle Direct Lending Fund IV	2019	Private Credit - Direct Lending	20,000,000	35,832,505	22,884,338	15,717,755	6.43	3.19	1.08
PIMCO Private Income Fund Onshore Feeder LLC	2019	Private Credit - Direct Lending	20,000,000	20,000,000	0	25,839,287	10.65	4.55	1.29
AG Direct Lending Fund IV, LP	2020	Private Credit - Direct Lending	20,000,000	17,129,726	1,085,994	18,568,118	15.71	-1.99	1.15
Deerpath Capital V, LP	2020	Private Credit - Direct Lending	20,000,000	18,338,462	1,887,825	18,815,018	7.99	1.55	1.13
Deerpath Capital VI, LP	2021	Private Credit - Direct Lending	20,000,000	15,166,503	609,126	15,458,814	N/M	N/M	1.06
First Eagle Direct Lending Fund V-B	2021	Private Credit - Direct Lending	20,000,000	13,184,027	3,518,493	10,697,586	9.08	-3.48	1.08
AG Direct Lending Evergreen Fund LP	2022	Private Credit - Direct Lending	20,000,000	7,000,000	0	6,970,004	N/M	N/M	1.00
			165,000,000	149,686,340	42,211,525	130,717,266	9.62	2.42	1.16

Certain valuations (marked with a \*\*) are preliminary estimates of valuation as of the date of reporting and reflect the estimated impact of subsequent net cash contributions/distributions. These figures may be used in calculations contained in this report. Index IRR represents the dollar-weighted returns calculated using the Credit Suisse Lvg'd Loan Index assuming an index investment with the same cash flow timing. IRRs are shown only for investments with one year or more of cash flows and for which an accurate IRR could be calculated. Applicable IRRs are marked with 'N/M' for not material. Fund IRR is the annualized since-inception net internal rate for the indicated fund or composite. Fund Multiple is the since inception sum of distributions and valuation divided by paid in capital.



### Santa Barbara County Employees' Retirement System Addendum

#### **Performance Related Comments**

- RVK, Inc. began monitoring the assets of the Santa Barbara County Employees' Retirement System in 06/2016. Prior historical data was provided by the
  previous investment consultant.
- Inception dates shown represent the first full month following initial funding.
- Performance is annualized for periods greater than one year.
- Total Fund performance excludes Treasury Cash.
- Performance shown is net of fees and provided by BNY Mellon or the manager.
- Market values and performance shown are preliminary and subject to change.
- Historical performance prior to 04/11/2019 for BNY Mellon HEDI (SA), BNY Mellon R1000 Index NL (CF), and BNY Mellon TIPS NL (CF) is represented by RhumbLine HEDI (SA), SSgA Russell 1000 Index NL (CF), and BlackRock TIPS (CF), respectively.

#### **Custom Index Comments**

- RVK began calculating the SBCERS Policy Benchmark on 04/01/2016. Historical performance was provided be the previous consultant. The passive **Policy Benchmark** currently consists of 19% Russell 3000 Index, 11% MSCI EAFE Index (USD) (Net), 7% MSCI Emg Mkts Index (USD) (Net), 17% Bloomberg US Agg Bond Index, 11% Custom Non-Core Fixed Income Benchmark, 15% Consumer Price Index+4%, 10% NCREIF ODCE Index (AWA) (Net) (1 Qtr Lag), and 10% Russell 3000 Index+3% (1 Qtr Lag).
- The active SBCERS Dynamic Policy Benchmark is calculated monthly using beginning of month manager weights applied to each corresponding primary benchmark return.
- The passive Custom Non-Core Fixed Income Benchmark currently consists of 25% Wellington Blended Benchmark and 75% CS Lvg'd Loan Index. Prior to 09/01/2022 the benchmark consisted of 33.3% Wellington Blended Benchmark, and 66.6% CS Lvg'd Loan Index. Prior to 12/01/2020 the benchmark consisted of 33.3% Bloomberg US Corp Hi Yld Index, 33.3% Wellington Blended Benchmark, and 33.3% CS Lvg'd Loan Index.
- The passive **Wellington Blended Benchmark** currently consists of 50% JPM GBI-EM Gbl Dvf'd Index (USD) (TR) (Unhedged) and 50% JPM Emg Mkts Bond Glb Dvf'd Index (TR).
- The active **Custom Real Return Benchmark** is calculated monthly using beginning of month manager weights within the Real Return Composite applied to each corresponding primary benchmark return.
- The passive Cohen & Steers Real Assets Custom Index is a custom benchmark created by the manager and currently consists of 27.5% FTSE EPRA/NAREIT Dvld Index (USD) (Net), 27.5% Bloomberg Cmdty Index (TR), 15% S&P Gbl Natural Res Sect Index (TR), 15% DJ Brookfield Gbl Infrastructure Index, 10% ICE BofAML 1-3 Yr US Corp Index, and 5% Gold Spot Per Ounce Index. Prior to 9/30/2013 benchmark consisted of 30% FTSE EPRA/NAREIT Dvld Index (USD) (Net), 30% Bloomberg Cmdty Index (TR), 20% S&P Gbl Natural Res Sect Index (TR), 12.5% ICE BofAML 1-3 Yr Corp Index, and 7.5% Gold Spot Per Ounce Index.
- The passive **Nuveen Real Asset Income Blend Index** is a custom benchmark created by the manager and currently consists of 22% S&P Global Infrastructure Index (Net), 25% FTSE EPRA/NAREIT Devl'd Index (USD) (Net), 20% Bloomberg US Corp Hi Yld Index, 13% FTSE NAREIT Preferred Stock Index, and 20% ICE Hybrid & Preferred Infrastructure 7% Issuer Constrained Custom Index. Prior to 4/01/2021 benchmark consisted of 28% S&P Gbl Infrastructure Index, 21% FTSE EPRA/NAREIT Dvl'd Index (USD) (Net), 18% Wells Fargo Hybrid & Preferred Securities REIT Index, 15% Bloomberg Global Capital Securities Index and 18% Bloomberg US Corp Hi Yld Index.
- Performance for the NCREIF ODCE Index (AWA) (Net) (1 Qtr Lag) is available quarterly; interim months assume a 0.00% return.



## Santa Barbara County Employees' Retirement System Fee Schedule for Public Investment Managers

	Fee Schedule	Market Value As of 03/31/2023 (\$)	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Total Fund Public Assets		2,461,682,320	7,159,797	0.29
U.S. Equity Composite				
BNY Mellon HEDI (SA)	0.02 % of Assets	291,134,009	58,227	0.02
BNY Mellon R1000 Index - NL (CF)	0.01 % of Assets	341,863,612	34,186	0.01
Dimensional U.S. Small Cap Value (CF)	0.28 % of Assets	45,386,081	127,081	0.28
RHJ Small Cap Opportunities (SA)	0.80 % of First \$50 M 0.60 % Thereafter	34,853,063	278,825	0.80
Dev'd Mkt. Non-U.S. Equity Composite				
First Eagle International Value Equity (SA)	0.75 % of Assets	833,112	6,248	0.75
PanAgora Dynamic International Equity (SA)	0.33 % of First \$100 M 0.30 % of Next \$100 M 0.25 % Thereafter	205,610,603	644,027	0.31
Artisan Non-U.S. Growth (SA)	0.80 % of First \$50 M 0.60 % Thereafter	139,018,981	934,114	0.67
Acadian Non-US Small Cap Equity (CF)	0.75 % of Assets	56,146,418	421,098	0.75
Emerging Mkt. Equity Composite				
DFA Emg Mkts Value;I (DFEVX)	0.44 % of Assets	132,783,372	584,247	0.44
RBC Emerging Markets Equity (CF)	0.50 % of Assets	127,182,436	635,912	0.50
Core Fixed Income Composite				
Garcia Hamilton Core Fixed Income (SA)	0.25 % of First \$25 M 0.20 % of Next \$25 M 0.15 % of Next \$50 M 0.14 % of Next \$100 M 0.10 % Thereafter	360,632,931	488,133	0.14
PGIM Core Plus Fixed Income (CF)	0.26 % of Assets	246,629,757	641,237	0.26



# Santa Barbara County Employees' Retirement System Fee Schedule for Public Investment Managers

	Fee Schedule	Market Value As of 03/31/2023 (\$)	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Non-Core Fixed Income Composite				
Wellington Blended Opportunistic EMD (CF)	0.55 % of Assets	122,861,271	675,737	0.55
Beach Point Leveraged Loan (CF)	0.50 % of Assets	150,351,139	751,756	0.50
Public Real Return Composite				
BNY Mellon TIPS - NL (CF)	0.01 % of Assets	15,536,875	1,554	0.01
Cohen & Steers Real Assets Fund (CIT)	0.65 % of Assets	60,819,391	395,326	0.65
Nuveen Real Asset Income Fund (SA)	0.80 % of First \$50 M 0.75 % of Next \$50 M 0.65 % Thereafter	60,104,850	475,786	0.79

<sup>•</sup> Mutual fund fees are sourced from Morningstar and/or the investment manager.



### **Overview of RVK Performance Reports**

	Monthly Investment Performance Analysis	Quarterly Investment Performance Analysis
Frequency	Typically available by the 15th business day following month end	Typically available 30-45 calendar days following quarter end
Analytics Included		
Capital Markets Review (abbreviated)	✓	
Capital Markets Review (with full asset class detail)		✓
Monthly Portfolio Highlights or Executive Summary	<b>√</b>	✓
Manager Monitoring/Investment Manager Updates/Watch List		✓
Asset Allocation By Manager and Schedule of Investable Assets	<b>√</b>	✓
Asset Allocation vs. Target Allocation	1	✓
Plan Asset Overview	<b>√</b>	✓
Total Fund Asset Allocation & Ranks vs. Peers		✓
Trailing Performance	✓	
Trailing & Fiscal Year Performance (including ranks)		✓
Total Fund IDP Attribution		✓
Composite Profile Pages (including ranks)		✓
Private Credit AltInvest Report	<b>√</b>	✓
Investment Manager Profile Pages (including ranks)		✓
Fee Schedule for Public Investment Managers	<b>√</b>	✓
Underlying Indices of SBCERS Policy Index		✓
Work Plan		✓



Active Return - The difference between the investment manager/composite performance relative to the performance of an appropriate market benchmark.

Active Share - Measures the degree to which the holdings of a fund differ from the holdings of the benchmark. Active share is calculated by taking the sum of the absolute value of the differences of the weight of each holding in the fund versus the weight of each holding in the benchmark and dividing by two.

Alpha - A measure of the difference between a portfolio's actual returns and its expected performance, given its level of risk as measured by beta. It is a measure of the portfolio's historical performance not explained by movements of the market or a portfolio's non-systematic return.

Alpha Ratio - A measure of a portfolio's non-systematic return per unit of downside risk. It is measured by dividing the alpha of a portfolio by the downside risk. The non-systematic return is a measure of a portfolio's historical performance not explained by movements of the market.

Average Quality - Bond quality ratings are reported using the investment managers' and the index providers' preferred rating agency. Average Quality for managers unable to provide this statistic is instead provided by Morningstar; if unavailable on Morningstar, it has been estimated using a credit quality distribution provided by the manager. There are two primary rating agencies in the US. Moody's assigns ratings on a system that employs up to four symbols (consisting of letters and numbers), such as, Aaa, Aa2, etc., with Aaa being the highest or safest rating. Standard & Poor's (S&P) employs a system that uses + and - along with letters, such as AAA. AA+, etc. The two rating agencies' systems are summarized below:

<u> </u>	Moody's	Explanation	<u>S&amp;P</u>	Moody's	<b>Explanation</b>		
Higher Credit Quality - Investment Grade			Lower Credit Quality – Below Investment Grad				
AAA	Aaa	Prime/Highest credit quality	BB+	Ba1	Speculative/Low credit quality		
AA+	Aa1	High credit quality	BB	Ba2			
AA	Aa2	, ,	BB-	Ba3			
AA-	Aa3		B+	B1	Highly speculative		
A+	A1	Upper-medium credit quality	В	B2			
Α	A2		B-	B3			
A-	A3		CCC+	Caa1	Substantial credit/default risk		
BBB+	Baa1	Lower-medium credit quality	CCC	Caa2	Extremely speculative		
BBB	Baa2	, ,	CCC-	Caa3			
BBB-	Baa3		CC	Ca	Vulnerable to default		
			С	Ca			
			D	С	In default		

Benchmark Effect - The difference between the blended return of each respective managers' benchmark within a composite and the composite's benchmark return.

Beta - A measure of the sensitivity of a portfolio to the movements in the market. It is a measure of a portfolio's non-diversifiable or systematic risk.

Box Plots - A graphical representation of the distribution of observations. From top to bottom, the four boxes represent the spread between the maximum value and the minimum value in each quartile. A quartile represents the values that divide the observations into four quarters (i.e., 1st quartile, 2nd quartile, 3nd quartile, and 4th quartile). The median observation is where the 2nd quartile and 3nd quartile meet.

Buy and Hold Attribution - At the beginning of the time period under analysis, the manager and benchmark portfolios are broken down into segments (i.e., styles, sectors, countries, and regions) based on the desired type of attribution. The formula assumes zero turn-over to the manager and benchmark portfolios throughout the period and calculates the segment returns ("buy and hold returns") to arrive at performance attribution. Due to portfolio turnover, buy and hold attribution may not accurately represent quarterly performance relative to the benchmark. Country, region, sector, and style allocations are as of the date one quarter prior to the reporting date, and the returns shown are for those segments throughout the quarter reported. Due to disclosure guidelines set by each investment manager, equity characteristics shown are as of the most recent date available. The following is the methodology for segment classification:

Sector - Attribution is calculated using the Global Industry Classification Standard (GICS) which is a detailed and comprehensive structure for sector and industry analysis. Stocks are classified by their primary sector, as defined by S&P Capital IQ data.

Country/Region - Attribution is calculated using the Morgan Stanley Capital International (MSCI) region standards. Stocks are classified by their domicile country/region, as defined by S&P Capital IQ data, and thus may differ from the classification of the investment manager and/or index provider.

Style - Stocks are classified into the following style boxes: large/mid/small vs. growth/neutral/value. Stocks are classified along large/mid/small categories at the time of the Russell index rebalancing, using the index market cap boundaries as cutoff points. Stocks are classified along growth/neutral/value categories at the time of the Russell index rebalancing, using the price/book ratio as supplied by S&P Capital IQ. Stocks in the Russell 3000 Index portfolio are sorted by price/book ratio; names with the highest price/book ratio that make up 1/3 of the total market capitalization are assigned to the growth category, and names that make up the subsequent 1/3 of the total market capitalization are assigned to the names are assigned to the value category. Stocks are unclassified when there is not enough data to determine a size and style metric.

Portfolio Characteristics and Buy and Hold Attribution reports utilize product-specific data for all mutual funds and commingled funds.

#### Capital Markets Review -

Breakeven inflation - Measures the expected inflation rate at each stated maturity by taking the difference between the real yield of the inflation-linked maturity curve and the yield of the closest nominal Treasury maturity.

Consumer Confidence - Measures domestic consumer confidence as defined by the degree of optimism on the state of the economy that consumers express through saving and spending.

Consumer Price Index (CPI) - Measures the change in the price level of consumer goods and services.

Federal Funds Rate - The interest rate at which a depository institution lends funds maintained at the Federal Reserve to another depository institution overnight. It is one of the most influential interest rates in the US economy, since it affects monetary and financial conditions, which in turn have a bearing on key aspects of the broad economy including employment, growth and inflation.

Option-Adjusted Spread - Measures the flat spread of an index or bond to the Treasury yield curve after removing the effect of any embedded options

Purchasing Managers Index (PMI) - Measures economic activity by surveying purchasing managers on a monthly basis as to whether business conditions have improved, worsened, or stayed the same.

Real Gross Domestic Product (Real GDP) - An inflation-adjusted measure that reflects the value of all goods and services produced by an economy in a given year.

US Dollar Total Weighted Index - Measures the value of the US Dollar relative to a basket of other world currencies. It is calculated as the weighted geometric mean of the dollar's value versus the EUR, GBP, CAD, SEK, CHF, and JPY.

Unemployment Rate - The percentage of the total labor force that is unemployed but actively seeking employment.

VIX - Measures the implied volatility of S&P 500 Index options by looking at the market's expectation of the S&P 500 Index volatility over the next 30 day period. Commonly referred to as the "fear index" or the "fear gauge."

Cash Flow Effect - The composite's active return minus the sum of each managers' active return minus the benchmark effect.

Consistency - The percentage of quarters that a product achieved a rate of return higher than that of its benchmark. The higher the consistency figure, the more value a manager has contributed to the product's performance.

Convexity - A measure of the shape of the curve that describes the relationship between bond prices and bond yields.

**Correlation** - A statistical measure of the relationship between asset class returns. A value of 1.00 is a perfect correlation; that is, the asset classes always move in the same direction. A value of -1.00 indicates a perfect negative correlation, in which the asset classes always move in opposite directions of each other. A value of 0 indicates there is no relationship between the direction of returns of the two asset classes. Correlation calculations only consider the direction of changes relative to two variables and not the magnitude of those changes.

Coupon Rate - The percentage rate of interest paid on a bond or fixed income security; it is typically paid twice per year.

Current Yield - The annual income of a security divided by the security's current price.

Down Market Capture - Down market by definition is negative benchmark return and down market capture represents the ratio in % terms of the average portfolios return over the benchmark during the down market period. The lower the value of the down market capture the better the product's performance.

Downside Risk - A measure similar to standard deviation that focuses only on the negative movements of the return series. It is calculated by taking the standard deviation of the negative returns for the selected periodicity. The higher the factor, the riskier the product.

Earnings Per Share - It is backward looking, calculated using the one year current EPS divided by the one year EPS five years ago.

Effective Duration - The approximate percentage change in a bond's price for a 100 basis point change in yield.

Excess Return vs. Market - Average of the monthly arithmetic difference between the manager's return and the benchmark return over a specified time period, shown on an annualized basis.

Excess Return vs. Risk Free - Average of the monthly arithmetic difference between the manager's return and the risk-free return (i.e., ICE BofAML 3 Mo US T-Bill Index unless specified otherwise) over a specified time period, shown on an annualized basis.

Excess Risk - A measure of the standard deviation of a portfolio's performance relative to the risk-free return.

Expense Ratios - Morningstar is the source for mutual fund expense ratios.

Gain/Loss - The net increase or decrease in the market value of a portfolio excluding its Net Cash Flow for a given period.

Indices - All indices and related information are considered intellectual property and are licensed by each index provider. The indices may not be copied, used, or distributed without the index provider's prior written approval. Index providers make no warranties and bear no liability with respect to the indices, any related data, their quality, accuracy, suitability, and/or completeness.

Information Ratio - Measured by dividing the active rate of return by the tracking error. The higher the information ratio, the more value-added contribution by the manager.

Liability Driven Investing (LDI) - A method to optimally structure asset investments relative to liabilities. The change in liabilities is estimated by the Ryan Labs Generic PPA Index of appropriate duration for that Plan. This benchmark is based on generic data and is therefore an approximation. RVK is not an actuarial firm, and does not have actuarial expertise.

**Estimated Funded Status** - The estimated ratio of a Plan's assets relative to its future liabilities. This is calculated by dividing the Plan's asset market value by the estimated present value of its liabilities. The higher the estimated funded status, the better the Plan's ability to cover its projected benefit obligations. An estimated funded status of 100% indicates a Plan that is fully funded.

Estimated PV of Liabilities - An estimate of a Plan's future liabilities in present value terms. The beginning of the period liability is provided by the Plan's actuary. The period-end present value liability estimate provided in this report is derived by applying the estimated percentage change generated using the Ryan Labs Generic PPA Index with duration similar to that reported on the most recent actuarial valuation report.

Duration of Liabilities - The sensitivity of the value of a Plan's liabilities to changes in interest rates, as calculated by the Plan's actuary.

Duration of Assets - The dollar-weighted average duration of all the individual Plan assets.

Estimated Plan Hedge Ratio - The estimate of how well a Plan's investment portfolio is hedged against changes in interest rates - a primary driver of funded status movements. This is calculated by dividing the dollar-weighted values of both the Plan asset duration by the liability duration and multiplying by the estimated funded status. An estimated plan hedge ratio of zero indicates that the Plan's liabilities have not been hedged, whereas a value of one indicates fully hedged.



Modified Duration - The approximate percentage change in a bond's price for a 100 basis point change in yield, assuming the bonds' expected cash flows do not change.

Mutual Fund Performance - Whenever possible, manager performance is extended for any share class that does not have 10 years of history. Using Morningstar's methodology, a single ticker within the same fund family (often the oldest share class) is chosen to append historical performance.

Net Cash Flow - The sum, in dollars, of a portfolio's contributions and withdrawals. This includes all management fees and expenses only when performance shown is gross of fees.

#### Peer Groups -

Plan Sponsor Peer Groups - RVK utilizes the Mellon Analytical Solutions Trust Universe along with the Investment Metrics Plan Sponsor Universe. The combined Mellon Analytical Solutions Trust Universe and Investment Metrics Plan Sponsor Universe is used for comparison of total fund composite results and utilizes actual client performance compiled from consultant and custodian data. The Plan Sponsor Peer Group database includes performance and other quantitative data for over 2,100 plans which include corporate, endowment, foundation, public, and Taft Hartley plans. Plan Sponsor Peer Groups are gross of fees

Investment Manager Peer Groups - RVK utilizes Investment Metrics' Peer Groups for investment manager peer comparison and ranking. The Investment Metrics Peer Group database includes performance and other quantitative data for over 840 investment management firms and 29,000 investments products, across more than 160 standard peer groups. Mutual Fund Peer Groups are net of fees.

Percentile Rankings - Percentile rank compares an individual fund's performance with those of other funds within a defined peer group of managers possessing a similar investment style. Percentile rank identifies the percentage of a fund's peer group that has a higher return (or other comparative measurement) than the fund being ranked. Conversely, 100 minus the individual fund's ranking will identify the percentage of funds within the peer group that have a lower return than the fund being ranked.

1 - Highest Statistical Value

100 - Lowest Statistical Value

Example: American Funds AMCP;R-4 (RAFEX) is ranked in the 4<sup>th</sup> percentile within the IM US Equity Large-Cap Growth Funds (MF) Peer Group for the Sharpe Ratio. Within the IM US Equity Large-Cap Growth Funds peer group, 4% of the other funds performed better than American Funds AMCP;R-4 (RAFEX), while 96% of the funds performed worse.

Performance Methodology - RVK calculates performance for investment managers and composites using different methodologies.

Investment Managers - Performance is calculated for interim periods between all large external cash flows for a given month and geometrically linked to calculate period returns. An external cash flow is defined as cash, securities, or assets that enter or exit a portfolio. RVK defines a "large cash flow" as a net aggregate cash flow of ≥10% of the beginning-period portfolio market value or any cash flow that causes RVK calculated performance to deviate from manager/custodian reported performance in excess of 5 basis points for a given month.

Composites - The Modified Dietz methodology is utilized to calculate asset class, sub-asset class, and total fund composite performance. The Modified Dietz method calculates a time-weighted total rate of return that considers the timing of external cash flows; however, it does not utilize interim period performance to mitigate the impact of significant cash in- and outflows to the composite.

RVK calculates performance beginning with the first full month following inception. Since inception performance may vary from manager reported performance due to RVK using the first full month of returns as the inception date. Performance for both managers and composites is annualized for periods greater than one year.

Portfolio Characteristics - Due to disclosure guidelines set by each investment manager, portfolio characteristics shown are as of the most recent date available.

Price to Earnings Ratio - The ratio valuing a company's current share price relative to its trailing 12-month per-share earnings (EPS).

Private Equity Quartile Ranks - Private Equity quartile ranks are generated using vintage year peer group data provided by Thomson Reuters, and are based on each fund's annualized, since inception internal rate of return (IRR). Three Private Equity peer groups are available via Thomson Reuters: Buyout, Venture, and All Private Equity. Ranks are available quarterly, at a one-quarter lag.

Return - Compounded rate of return for the period.

% Return - The time-weighted rate of return of a portfolio for a given period.

R-Squared - The percentage of a portfolio's performance explained by the behavior of the appropriate benchmark. High R-Squared means a higher correlation of the portfolio's performance to the appropriate benchmark.

Risk Free Benchmark – ICE BofAML 3 Mo US T-Bill Index unless specified otherwise.



RVK Liquidity Rating - A qualitative method for determining the relative amount of liquidity in a portfolio. The characteristics considered when determining relative liquidity include trading volume, gates for redemption, leverage, nature of transactions, and pricing mechanisms. The RVK Liquidity Rating is calculated using beginning of month investment weights applied to each corresponding asset class liquidity rating.

Asset Class	<b>RVK Liquidity Rating</b>	Asset Class	<b>RVK Liquidity Rating</b>	
<u>Liquid Investments</u>		Less Liquid Investments		
T-Bills and Treasurys	100	Fixed Income Plus Sector	50	
Cash Equivalents	98	Bank Loans	50	
TIPS	95	Stable Value (Plan Sponsor Directed)	50	
US Large Cap Equity	95	Absolute Return Strategies	35	
Diversified Real Return	93	· ·		
Stable Value (Participant Directed)	91			
Non-US Large Cap Equity	90	Not Liquid Investments		
Global Tactical Asset Allocation	88	Core Real Estate	25	
US Small Cap Equity	85	Core Plus Real Estate	15	
REITS	85	Non-Core Real Estate	5	
Non-US Small Cap Equity	85	Private Equity Funds of Funds	5	
Emerging Markets Equity	85			
Core Fixed Income	85			
Core Plus Fixed Income	80			

Sector Allocation - Negative fixed income sector allocation reflects manager's use of derivatives, short selling, or interest rate swaps.

Sharpe Ratio - Represents the excess rate of return over the risk-free return (i.e., ICE BofAML 3 Mo US T-Bill Index unless specified otherwise), divided by the standard deviation of the excess return to the risk free asset. The result is the absolute rate of return per unit of risk. The higher the value, the better the product's historical risk-adjusted performance.

Simple Alpha - The difference between the manager's return and the benchmark's return.

Spread Duration - The approximate percentage change in a bond's price for a 100 basis point change in its spread over a Treasury of the same maturity.

Standard Deviation - A statistical measure of the range of a portfolio's performance. The variability of a return around its average return over a specified time period.

Thematic Classification - Represents dedicated manager allocations; as such, thematic allocations are approximations. RVK categorizes the following asset classes as Alpha, Capital Appreciation, Capital Preservation, and Inflation:

Alpha Absolute Return Strategies	Capital Appreciation Public Equity	Capital Preservation Core Fixed Income	Inflation TIPS
Currency Overlay	Private Equity Preferred Securities	CMBS Fixed Income Asset Backed Fixed Income	Bank Loans Core Real Estate
	High Yield	Domestic Core Plus Fixed Income	Real Return
	Convertible Fixed Income	Mortgage Backed Fixed Income	Inflation Hedges
	TALF Funds	International Developed Fixed Income	REITS
	Distressed Debt	Cash Equivalents	Commodities
	Emerging Market Fixed Income	Stable Value	
	Value Added Real Estate		
	Opportunistic Real Estate		

Time Period Abbreviations - QTD - Quarter-to-Date. CYTD - Calendar Year-to-Date. FYTD - Fiscal Year-to-Date. YOY - Year Over Year.

Total Fund Attribution – The Investment Decision Process (IDP) model provides an approach to evaluating investment performance that applies to all asset classes and investment styles. The IDP model is based on a top-down hierarchy framework of investment decisions, with each decision contributing to the overall profit or loss. The IDP approach starts from the strategic asset allocation and follows the flow of the investments down to the manager's skill.

Strategic Asset Allocation (SAA) – The percentage return gained or lost from the long-term strategic asset allocation decision, the most significant determinant of long-term performance. SAA is the product of the target asset allocation multiplied by the corresponding benchmark returns.

Tactical Asset Allocation (TAA) – The percentage return gained or lost from not having been precisely allocated at the target asset allocation mix, whether by deviations that are tactical in nature or a by-product of moving towards the target mix. TAA is the product of the actual asset allocation multiplied by the broad asset class benchmarks, less the SAA.

Style Selection (SS) – The percentage return gained or lost from intentional style biases within each asset class (e.g. value rather than core or overweight to emerging markets relative to benchmark). SS is the product of the actual manager allocation within each asset class multiplied by their specific benchmark. Jess TAA.

Manager's Skill (MS) – The percentage return gained or lost from manager value added relative to their specific benchmark. MS is the product of the actual manager allocation multiplied by their achieved excess return.

Total Fund Beta - Total Fund Beta is calculated using the S&P 500 as the benchmark. It represents a measure of the sensitivity of the total fund to movements in the S&P 500 and is a measure of the Total Fund's non-diversifiable or systematic risk.

Tracking Error - A measure of the standard deviation of a portfolio's performance relative to the performance of an appropriate market benchmark.



Treynor Ratio - Similar to Sharpe ratio, but focuses on beta rather than excess risk (standard deviation). Treynor ratio represents the excess rate of return over the risk-free rate (i.e., ICE BofAML 3 Mo US T-Bill Index unless specified otherwise) divided by the beta. The result is the absolute rate of return per unit of risk. The higher the value, the better historical risk-adjusted performance.

Unit Value - The dollar value of a portfolio, assuming an initial nominal investment of \$100, growing at the compounded rate of %Return for a given period.

Up Market Capture - Up market by definition is positive benchmark return and up market capture represents the ratio in % terms of the average portfolios return over the benchmark during the up market period. The higher the value of the up market capture the better the product's performance.

Yield to Maturity - The rate of return achieved on a bond or other fixed income security assuming the security is bought and held to maturity and that the coupon interest paid over the life of the bond will be reinvested at the same rate of return. The 30-Day SEC Yield is similar to the Yield to Maturity and is reported for mutual funds.

Yield to Worst - The bond yield calculated by using the worst possible yield taking into consideration all call, put, and optional sink dates.



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