

Investment Summary – Periods Ending 9/30/2023

September	0.5	- Overall return of -2.0% / +83 basis points vs the Plan Target Policy Index - US Equity (R3000) -4.8% - Non-US Equity (MSCI EAFE -3.4%, MSCI EMG MKTS -2.6%) - Real Estate (NCREIF ODCE) N/A - BB Aggregate Index -2.5%
YTD	5.0	- Overall return of +5.9% / +76 basis points vs the Plan Target Policy Index - US Equity (R3000) +12.4% - Non-US Equity (MSCI EAFE +7.1%, MSCI EMG MKTS +1.8%) - Real Estate (NCREIF ODCE) -10.4% - BB Aggregate Index -1.2% - Most favorable performance vs. benchmark in basis points (Arrowstreet +590, Systematic +366, IFM +287, JP Morgan +118) - Most unfavorable performance vs. benchmark in basis points (UBS Trumbull -442, UBS AgriVest -290, Dodge & Cox -128)
1 Year	6.8	- Overall return of +13.8% / +143 basis points vs the Plan Target Policy Index - US Equity (R3000) +20.5% - Non-US Equity (MSCI EAFE +25.7%, MSCI EMG MKTS +11.7%) - Real Estate (NCREIF ODCE) -10.0% - BB Aggregate Index +0.6% - Most favorable performance vs. benchmark in basis points (Systematic +990, Arrowstreet +831, Dodge & Cox +352, Jacobs Levy +320, Reams +251, IFM +244, Axiom +123) - Most unfavorable performance vs. benchmark in basis points (UBS Trumbull -487, UBS AgriVest -424, DoubleLine -108)
3 Years	6.8	- Overall return of +9.5% / +427 basis points vs the Plan Target Policy Index - US Equity (R3000) +9.4% - Non-US Equity (MSCI EAFE +5.8%, MSCI EMG MKTS -1.7%) - Real Estate (NCREIF ODCE) +8.0% - BB Aggregate Index -5.2%
5 Years	6.9	- Overall return of +6.7% / +104 basis points vs the Plan Target Policy Index - US Equity (R3000) +9.1% - Non-US Equity (MSCI EAFE +3.2%, MSCI EMG MKTS +0.6%) - Real Estate (NCREIF ODCE) +6.5% - BB Aggregate Index +0.1%
10 Years	7.1	Overall return of +7.8% / +90 basis point vs the Plan Target Policy Index
15 Years	7.3	Overall return of +8.0% / +89 basis point vs the Plan Target Policy Index
20 Years	7.5	Overall return of +7.7% / +66 basis points vs the Plan Target Policy Index
25 Years	7.6	Overall return of +7.0% / +67 basis points vs the Plan Target Policy Index

Notes: 1) Stoplight colors indicate performance relative to the assumed ROR for the period at the Plan level and relative to Aon's long-term return expectations at the asset class level.
2) All returns are gross-of-fees unless otherwise indicated.
3) The second column is a blend of the historical assumed ROR's that were in force at the time.

Sonoma County Employees' Retirement Association
SUMMARY OF PERFORMANCE
RATES OF RETURN

Periods Ending: September 30, 2023


STATE STREET

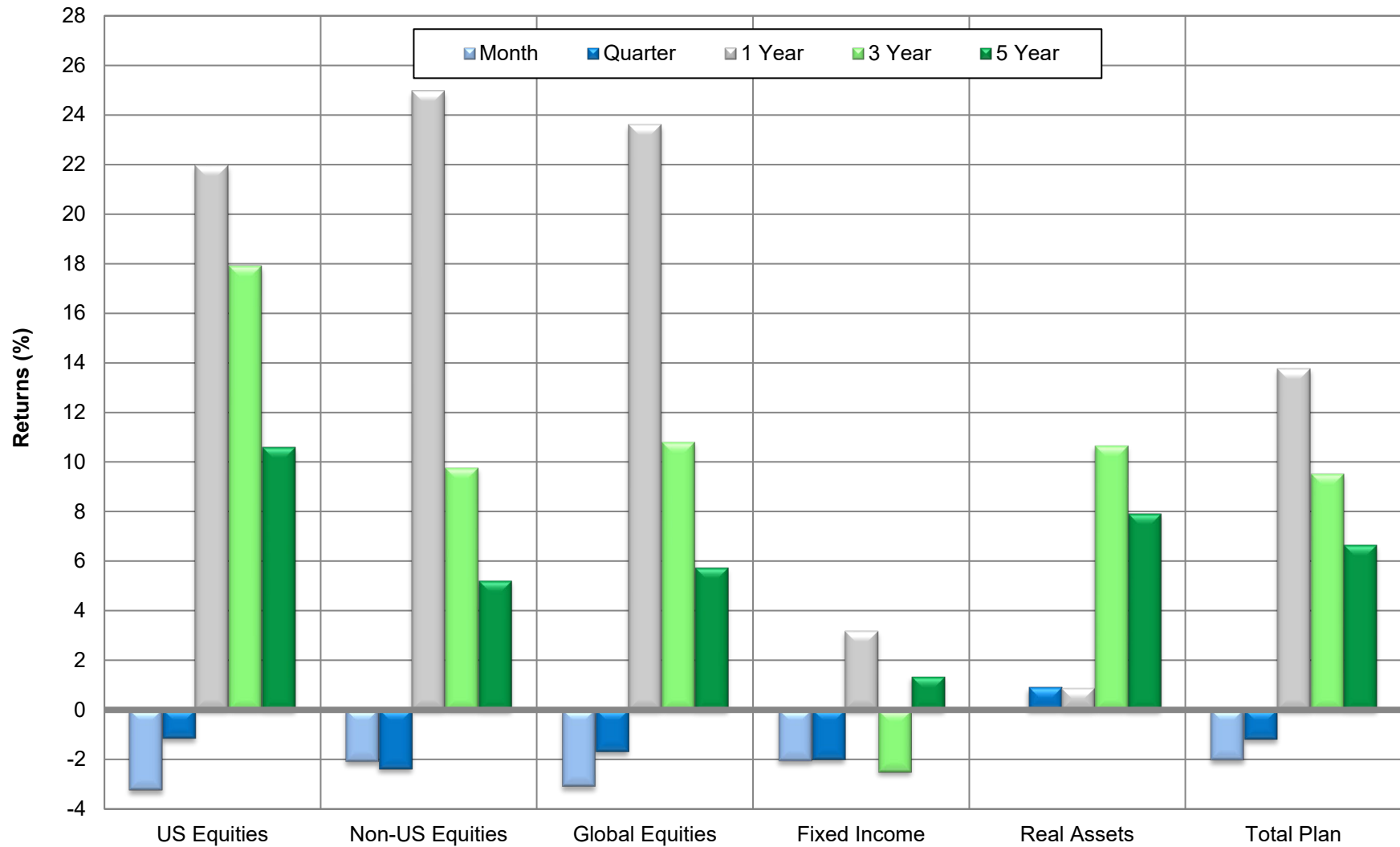
	1 Month	QTR	YTD	1 Year	2 Year	3 Year	5 Year	10 Year	15 Year	20 year
SONOMA TOTAL FUND POLICY INDEX	-2.87	-2.53	5.14	12.35	-0.87	5.26	5.62	6.90	7.10	7.05
DJ Industrial Average Total Return Index	-3.42	-2.10	2.73	19.18	1.59	8.62	7.14	10.79	10.50	9.26
S&P 500	-4.77	-3.27	13.07	21.62	1.39	10.15	9.92	11.91	11.28	9.72
NASDAQ Composite Index	-5.77	-3.94	27.11	26.11	-3.56	6.60	11.41	14.52	14.27	
Russell 1000	-4.70	-3.15	13.01	21.19	0.16	9.53	9.63	11.63	11.26	9.79
Russell 1000 Growth	-5.44	-3.13	24.98	27.72	-0.57	7.97	12.42	14.48	13.67	11.10
Russell 1000 Value	-3.86	-3.16	1.79	14.44	0.71	11.05	6.23	8.45	8.59	8.22
Russell 2000	-5.89	-5.13	2.54	8.93	-8.71	7.16	2.40	6.65	8.13	8.13
Russell 2000 Growth	-6.60	-7.32	5.24	9.59	-11.96	1.09	1.55	6.72	8.82	8.27
Russell 2000 Value	-5.21	-2.96	-0.53	7.84	-5.78	13.32	2.59	6.19	7.16	7.73
Russell 3000	-4.76	-3.25	12.39	20.46	-0.39	9.38	9.14	11.28	11.05	9.68
MSCI ACWI EX US SMALL CAP	-3.76	-1.70	5.03	19.01	-8.04	4.02	2.58	4.35	6.64	7.68
S&P DEVELOPED EX U.S. SMALLCAP	-4.78	-3.69	2.95	19.80	-10.20	1.57	1.05	4.35	6.28	7.59
MSCI EAFE (NET)	-3.42	-4.11	7.08	25.65	-3.01	5.75	3.24	3.82	4.66	5.90
MSCI EMERGING MARKETS	-2.62	-2.93	1.82	11.70	-10.39	-1.73	0.55	2.07	4.74	8.06
MSCI AC World IMI w/USA GROSS (NET)	-4.19	-3.34	9.63	20.51	-2.41	7.17	6.40	7.70	8.00	8.14
MSCI All Country World ex US IMI net	-3.24	-3.49	5.30	20.19	-5.51	3.77	2.57	3.48	4.58	6.24
Bloomberg U.S. Aggregate	-2.54	-3.23	-1.21	0.64	-7.29	-5.21	0.10	1.13	2.53	2.85
Bloomberg U.S. Universal	-2.38	-2.88	-0.62	1.61	-7.02	-4.68	0.34	1.43	2.91	3.15
Bloomberg US Mortgage Backed Securities	-3.19	-4.05	-2.26	-0.17	-7.33	-5.09	-0.77	0.61	1.95	2.66
CS Leveraged Loan Index	0.88	3.37	9.91	12.47	4.65	5.91	4.31	4.33	5.33	4.72
CPI + 500 BPS 1 ML	0.84	2.19	6.96	8.83	11.21	10.97	9.20			
ICE BofA US 3-Month Treasury Bill	0.46	1.31	3.60	4.47	2.53	1.70	1.72	1.11	0.80	1.41
NCREIF ODCE 1 MO LAG	0.00	-2.68	-10.44	-9.97	7.98	7.99	6.50	8.75	5.70	7.73
NCREIF FARMLAND INDEX 1 ML	0.00	0.80	6.25	8.36	9.03	7.66	6.49	8.35	9.97	12.61
UBS CORE FARMLAND 1ML	0.00	1.64	9.00	11.68	12.04	10.17	7.91	7.50	9.11	11.14

1 Custom Index: 80% NCREIF Farmland Annual Cropland Fixed/Var Rent + 20% NCREIF Farmland Permanent Cropland Fixed/Var Rent

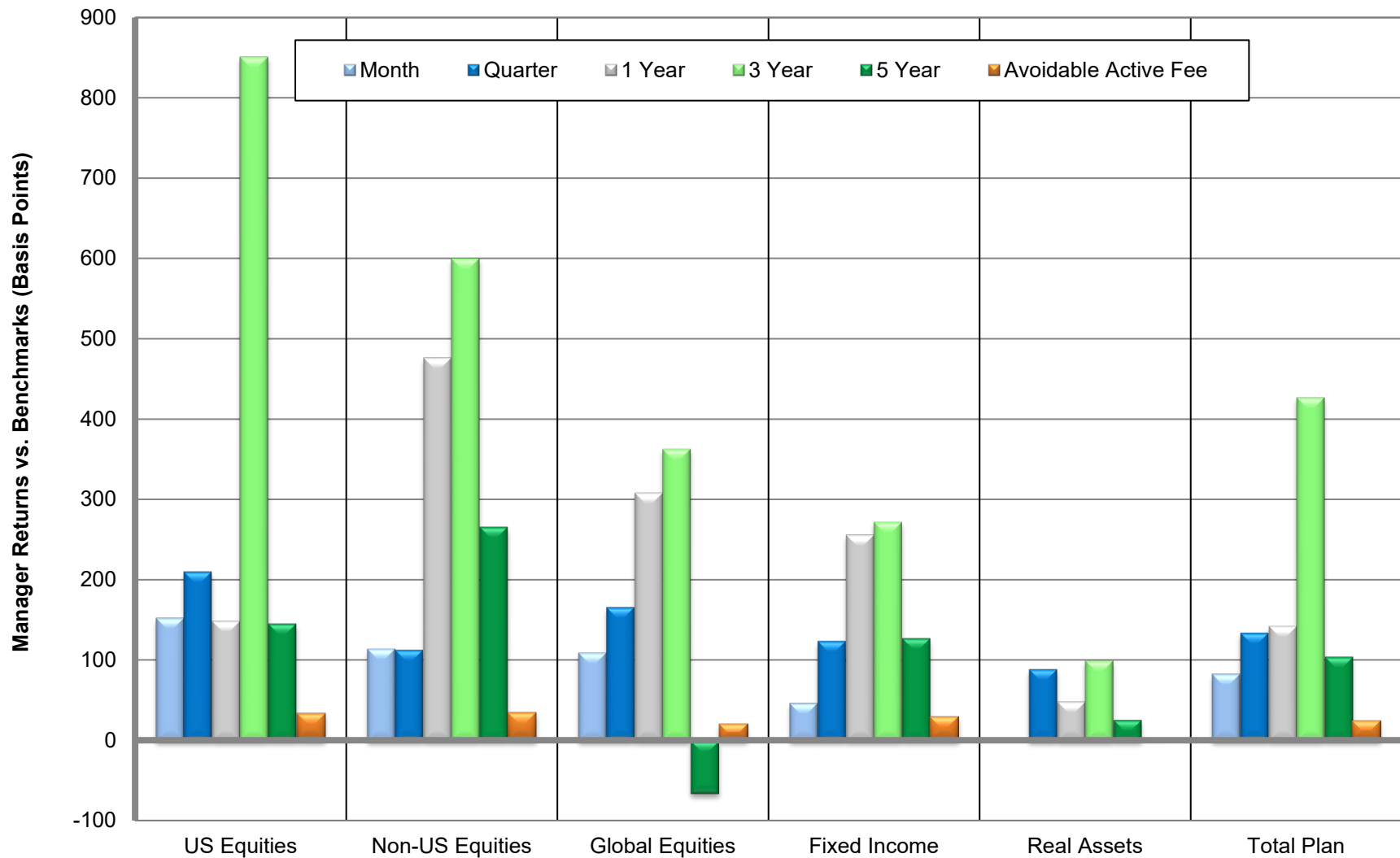
2 Russell 2000 Blended benchmark is Russell 2000 Value Index from 1/1/2000 to 12/31/2016. As of 1/1/2017 it is Russe

Provided by State Street Analytics

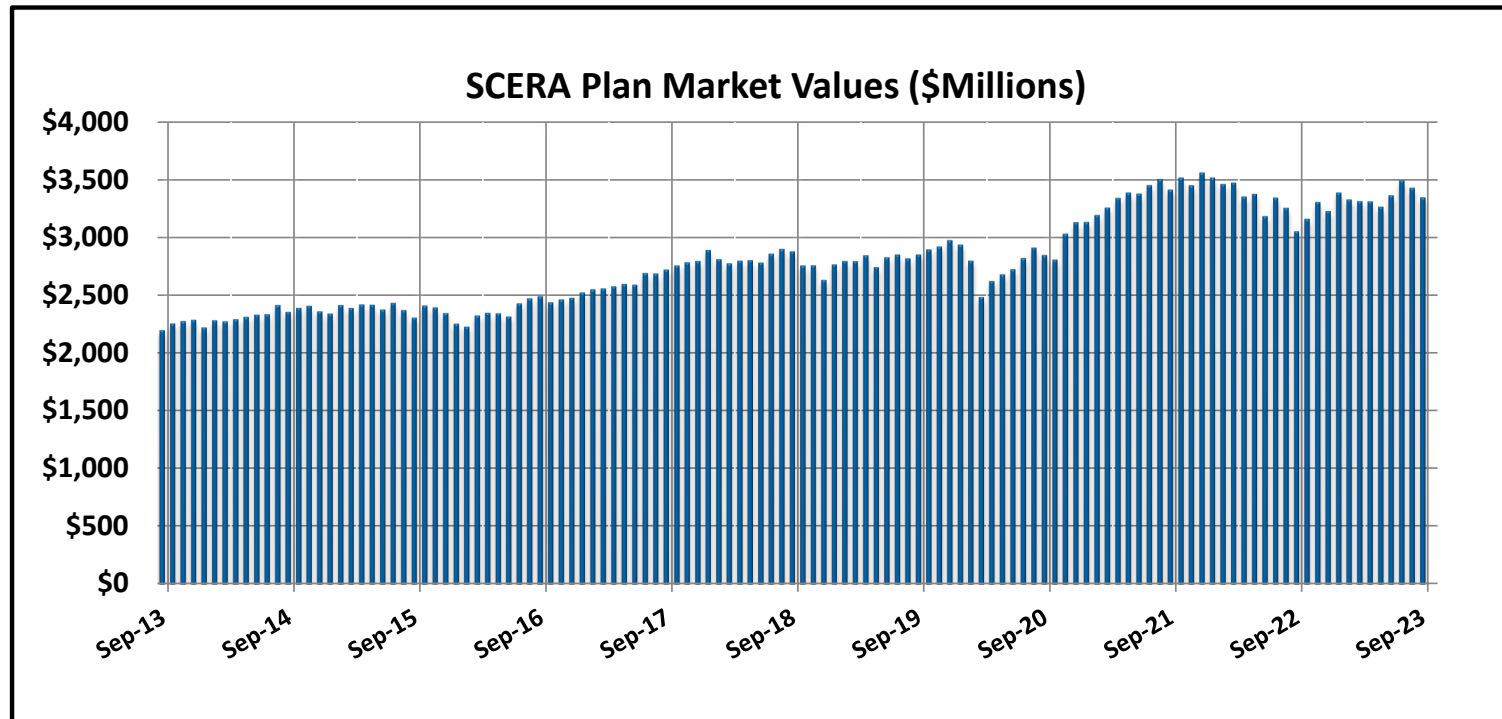
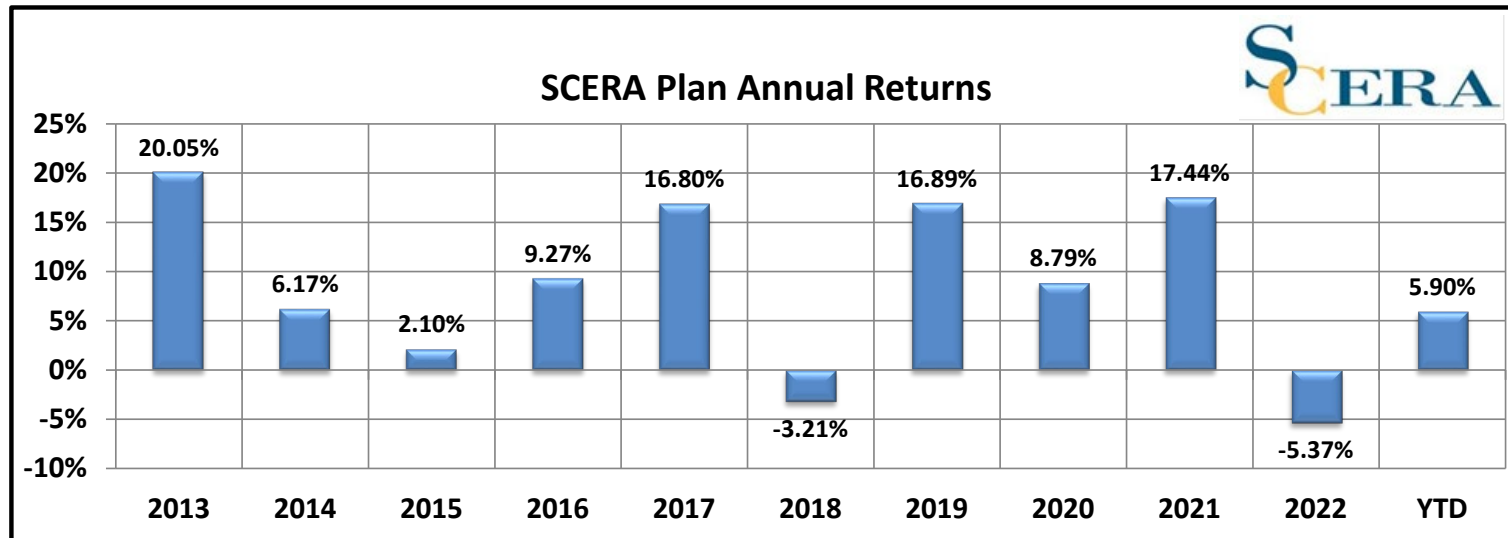
SCERA Investment Returns by Asset Class Periods Ending September 30, 2023

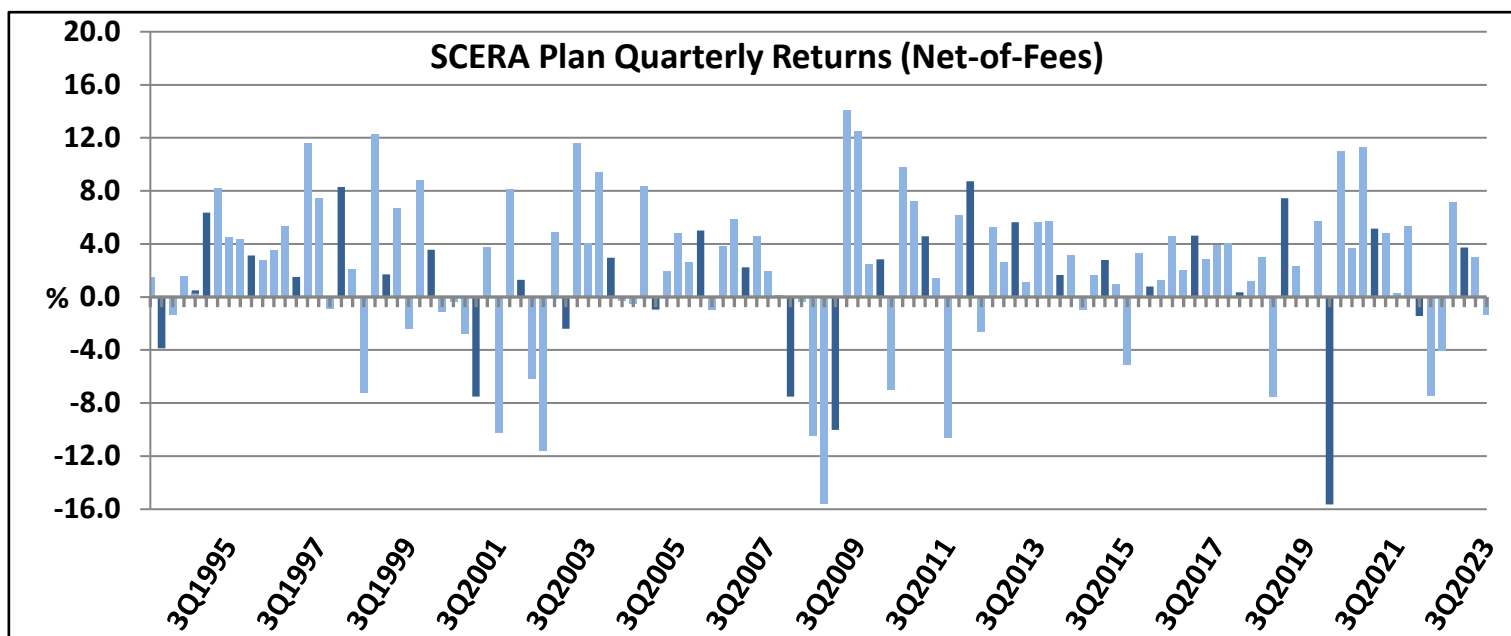
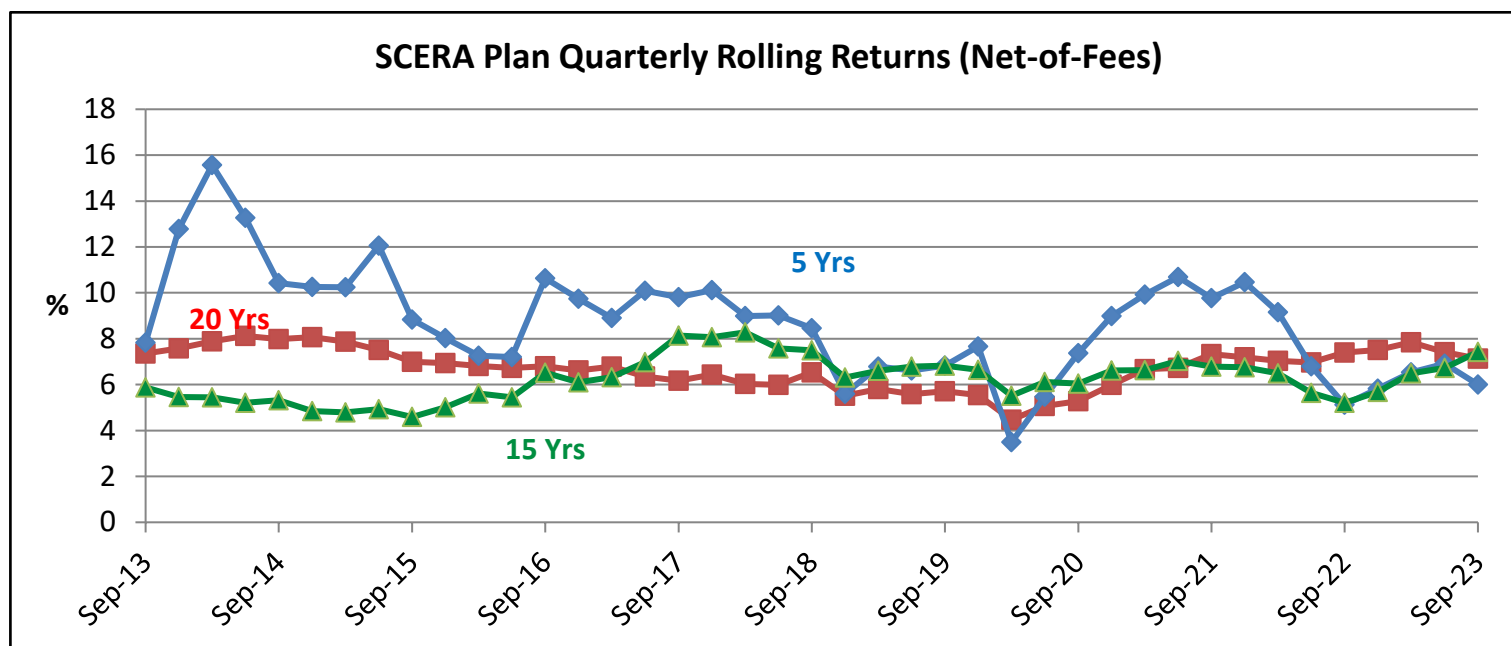


SCERA Asset Class Returns vs. Benchmarks Periods Ending September 30, 2023



Note: Real Assets have no passive alternative





Source: Aon

Sonoma County Employees' Retirement Association
SUMMARY OF "OPPORTUNISTIC" PERFORMANCE
INTERNAL RATES OF RETURN (NET-OF- BASE MANAGEMENT FEES)
Periods Ending **31-Aug-23**



DK SOF Fund III	
	USD
Total Capital Commitment	75,000,000
Capital Contributions ITD	(49,168,269)
Remaining Commitment	25,831,731
Capital Contributions ITD	49,168,269
Capital Distributions ITD	(57,526,317)
Net Profit/Loss ITD	13,407,886
Ending Appraised Value	5,049,838
Inception to Date IRR	7.60%
Initial Closing Date	8/24/2015
Investment Period Start Date	1/1/2016
Harvest Period Start Date	7/1/2017
Term End Date	7/1/2021

DK SOF Fund IV	
	USD
Total Capital Commitment	50,000,000
Capital Contributions ITD	(44,750,000)
Remaining Commitment	5,250,000
Capital Contributions ITD	44,750,000
Capital Distributions ITD	(44,222,336)
Net Profit/Loss ITD	19,892,693
Ending Appraised Value	20,420,357
Inception to Date IRR	14.84%
Initial Closing Date	7/28/2017
Investment Period Start Date	7/28/2017
Harvest Period Start Date	1/28/2020
Term End Date	1/28/2023

Note: The manager is not required to return all capital by the Fund "End Date" but is merely required to begin the process. There is no hard and fast date by which all capital must be returned.

Management Fee: 0.75%
Performance Fee Hurdle: 8.00%
Performance Fee: 10.00%

Source: Citco Fund Administration

Sonoma County Employees' Retirement Association

SUMMARY OF PERFORMANCE

RATES OF RETURN (GROSS-OF-FEES)

Periods Ending September 30, 2023

(All \$ in thousands)



													Inception Date
		Market Value	Month	3 Mos	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	20 Yrs	ITD	
U.S. EQUITY	TOTAL US EQUITY	667,319	-3.24	-1.16	11.82	21.95	17.89	10.59	13.18	12.88	11.10	12.88	Jun-01-82
	BENCHMARK (RUSSELL 3000)		-4.76	-3.25	12.39	20.46	9.38	9.14	11.28	11.05	9.68	11.86	
	JACOBS LEVY 130/30	280,647	-1.73	0.43	13.04	23.66	26.11	15.45	17.45	15.92		13.09	Mar-01-07
	RUSSELL 3000		-4.76	-3.25	12.39	20.46	9.38	9.14	11.28	11.05		8.88	
	SSGA RUSSELL 1000 INDEX FUND	261,976	-4.70	-3.14	13.03	21.20	9.52	9.63				9.63	Oct-01-18
	RUSSELL 1000		-4.70	-3.15	13.01	21.19	9.53	9.63				9.63	
	SYSTEMATIC	124,697	-4.12	-1.05	6.20	18.83	17.89	6.51	10.38	11.57	10.84	11.72	Jan-01-00
	¹ RUSSELL 2000 BLENDED		-5.89	-5.13	2.54	8.93	7.16	2.40	7.17	7.82	8.22	8.89	
NON-US EQUITY	TOTAL NON-US EQUITY	674,029	-2.10	-2.37	8.88	24.95	9.77	5.22	5.27	5.80	6.76	6.32	Apr-01-01
	BENCHMARK (BLEND)		-3.24	-3.49	5.30	20.19	3.77	2.57	3.48	4.43	5.73	4.62	
	² ARROWSTREET 130/30/20	289,698	-0.57	-0.87	11.20	28.50	15.20	9.72	9.00			8.88	Feb-01-11
	³ MSCI INT'L EQUITY BLENDED II		-3.24	-3.49	5.30	20.19	3.77	2.57	3.48			3.51	
	⁴ SSGA ACWI EX-US IMI ROL STRATEGY	384,330	-3.22	-3.48	7.17	22.34	6.35	4.22	4.44			4.84	Jun-01-13
	MSCI ACWI EX-US IMI (NET)		-3.24	-3.49	5.30	20.19	3.77	2.57	3.48			3.90	
GLOBAL EQUITY	TOTAL GLOBAL EQUITY	495,359	-3.10	-1.69	9.63	23.59	10.80	5.74	6.30	7.04		6.55	Apr-01-05
	BENCHMARK (BLEND)		-4.19	-3.34	9.63	20.51	7.17	6.40	7.63	7.70		6.88	
	⁴ SSGA ACWI IMI ROL STRATEGY	206,192	-1.25	-0.34	13.89	25.01						4.66	Jan-01-21
	MSCI ACWI IMI (NET) with USA Gross		-4.19	-3.34	9.63	20.51						2.25	
	SSGM INTERIM ACCOUNT	995	-4.00	-3.24	10.97	22.77						-1.25	Aug-01-21
	MSCI ACWI IMI (NET) with USA Gross		-4.19	-3.34	9.63	20.51						-2.94	
	DODGE & COX	288,173	-2.57	-0.61	8.35	24.03	14.63	6.83	9.93	10.59	9.51	9.39	Aug-01-97
	⁵ MSCI Global Equity Blended II		-4.19	-3.34	9.63	20.51	7.17	6.40	8.54	8.64	8.26	7.29	

¹ Russell 2000 Value Inception to 12/31/2016 ; Russell 2000 1/1/2017 to Present

² Transitioned from separately managed long-only account into the Arrowstreet International Equity Alpha Extension Fund II on 9/1/2017. On 7/3/2023, SCERA transitioned from the 130/30 strategy to the 130/30/20 strategy.

³ MSCI AC World ex US (Net) 2/1/2011 to 03/31/2011 ; MSCI AC World ex US IMI (Net) 4/1/2011 to Present

⁴ Effective 3/5/2021, SCERA implemented rule of law (ROL) guidelines into the passive strategies managed by SSGA.

⁵ Russell 1000 Value to 9/30/2018; MSCI ACWI IMI (Net) with USA Gross 1/10/2018 to Present

PERFORMANCE SUMMARY (GROSS-OF-FEES)

Periods Ending September 30, 2023

PERFORMANCE SUMMARY (GROSS-OF-FEES)		Market										Inception	
Periods Ending September 30, 2023		Value	Month	3 Mos	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	20 Yrs	ITD	Date
FIXED INCOME	TOTAL FIXED INCOME	474,334	-2.07	-2.00	1.28	3.20	-2.49	1.37	2.19	4.56	4.16	6.27	Sep-01-86
	BENCHMARK (BB US AGGREGATE)		-2.54	-3.23	-1.21	0.64	-5.21	0.10	1.13	2.53	2.85	5.23	
	REAMS CORE PLUS	137,408	-3.03	-3.68	-0.30	3.15	-4.03	2.67	2.64	5.22	4.70	4.90	Jul-01-01
	BB US AGGREGATE		-2.54	-3.23	-1.21	0.64	-5.21	0.10	1.13	2.53	2.85	3.39	
	DOUBLELINE CORE PLUS	118,243	-2.65	-3.33	-0.76	-0.44	-4.28	-0.18				1.31	Jul-01-14
	BB US AGGREGATE		-2.54	-3.23	-1.21	0.64	-5.21	0.10				0.81	
	BB US MORTGAGE BACKED SECURITIES INDEX		-3.19	-4.05	-2.26	-0.17	-5.09	-0.77				0.28	
	PIMCO CORE PLUS	117,596	-2.71	-3.08	-1.36	0.34	-4.74	0.43	1.45			2.16	Apr-01-11
	BB US AGGREGATE		-2.54	-3.23	-1.21	0.64	-5.21	0.10	1.13			1.66	
	GUGGENHEIM BANK LOANS	101,087	0.79	3.57	10.11	12.57	6.38	4.77	4.65			4.65	Oct-01-13
CREDIT SUISSE LEV LOAN INDEX		0.88	3.37	9.91	12.47	5.91	4.31	4.33			4.33		

REAL ASSETS*	TOTAL REAL ASSETS	836,169		0.88	-0.17	0.88	10.66	7.91	8.72	4.12	6.24	6.22	Jan-01-03
	BENCHMARK (COMPOSITE)			0.00	-0.59	0.39	9.66	7.65	8.69	5.70	7.74	7.76	
	JPMORGAN STRAT. PROPERTY FUND	184,432		-1.57	-9.26	-10.41	7.20	5.84	8.31			9.49	Jan-01-11
	NCREIF ODCE 1 MONTH LAGGED			-2.68	-10.44	-9.97	7.99	6.50	8.75			9.61	
	UBS TRUMBULL PROPERTY FUND	124,481		-3.37	-14.86	-14.84	2.69	1.40	5.32	4.16	6.61	6.59	Jan-01-03
	NCREIF ODCE 1 MONTH LAGGED			-2.68	-10.44	-9.97	7.99	6.50	8.75	5.70	7.73	7.76	
	UBS AGRIVEST FARMLAND FUND	132,941		1.65	6.10	7.44	7.79	6.32	6.57			8.16	Nov-01-10
	CORE FARMLAND INDEX 1 MO. LAG			1.64	9.00	11.68	10.17	7.91	7.50			9.21	
	NCREIF FARMLAND INDEX 1 MO. LAG			0.80	6.25	8.36	7.66	6.49	8.35			10.10	
	FIERA COMOX GLOBAL AGRICULTURE FUND	41,968		1.89	1.88							1.88	Nov-01-22
	NCREIF FARMLAND INDEX 1 MO. LAG			0.80	6.25							6.25	
	IFM GLOBAL INFRASTRUCTURE FUND	120,687		2.52	9.36	9.60	12.32	11.19				11.65	Sep-01-17
	CPI + 500 bps 1 MO. LAG			2.32	6.49	7.16	10.72	8.89				8.62	
	AXINFRA NA II LP (\$ weighted)	87,180		1.67	5.79	8.39	11.31					9.67	Sep-01-19
	CPI + 500 bps 1 MO. LAG			2.32	6.49	7.16	10.72					9.67	
	KKR DCIF	144,480		2.20	5.91	8.03						6.26	May-01-22
	CPI + 500 bps 1 MO. LAG			2.32	6.49	7.16						8.16	

* Real Assets returns are reported quarterly with a one month lag.

STRATEGIC	PLAN LEVEL CASH	153,894	2.29	1.53	0.67	3.51	1.29	1.38	0.94	0.81		1.31	May-01-06
	91 DAY T-BILL		0.46	1.31	3.60	4.47	1.70	1.72	1.11	0.80		1.27	
	TOTAL STRATEGIC PORT EXCL OVERLAYS	3,301,105	-1.91	-1.05	5.94	13.63	9.51	6.35	7.57	7.83	7.59	9.21	Mar-01-79
	⁶ PARAMETRIC CASH OVERLAY G/L IMPACT	11,993	-0.18	-0.20	-0.01	0.27	0.07	0.40				0.32	Dec-01-13
Opp.	⁷ TOTAL STRATEGIC PORTFOLIO	3,313,098	-2.07	-1.24	5.89	13.83	9.49	6.61	7.79	7.98	7.70	9.26	Mar-01-79
	DAVIDSON KEMPNER FUNDS (\$ weighted)	25,213	3.32	4.35	7.16	7.97	14.19	9.94	Staff calculated IRR			9.93	Jul-01-16
	⁸ BENCHMARK		-1.93	3.69	5.95	7.88	5.63	6.24	Staff estimated value added			\$15,241	

TOTAL	TOTAL PLAN	3,338,311	-2.04	-1.20	5.90	13.78	9.53	6.66	7.80	7.99	7.71	9.26	Mar-01-79
	TOTAL PLAN TARGET POLICY		-2.87	-2.53	5.14	12.35	5.26	5.62	6.90	7.10	7.05	9.54	

⁶ Cash Overlay Impact includes the gains/losses from the GBP hedge for the investment in Davidson Kempner SOF III-A.

⁷ Returns prior to Dec 2022 include impact of the Parametric EIRP overlay strategy.

⁸ Opportunistic and its benchmark (which is the Total Plan Policy) return are lagged one month.

Source: State Street Analytics

Sonoma County Employees' Retirement Association

ASSET ALLOCATION vs. POLICY RANGES

Period Ending: September 30, 2023

(All \$ in thousands)



	Market Values	% of Strategic Assets	Trigger for Physical Rebalance	Policy Targets	Trigger for Physical Rebalance	Derivatives Overlay	Economic Exposure	% of Total Plan assets	Trigger for Derivative Rebalance	Policy Targets	Trigger for Derivative Rebalance
Core Plus Fixed Income	373,247	11.9%	10.0%	12.0%	14.0%	71,707					
Total Alternative Fixed Income	101,087	3.2%	2.0%	3.0%	4.0%						
Total Fixed Income	474,334	15.1%	13.0%	15.0%	17.0%	71,707	546,042	16.5%	14.0%	15.0%	16.0%
Core Real Estate	308,913	9.8%		10.0%							
Farmland	174,910	5.6%		8.0%							
Infrastructure	352,346	11.2%		8.0%							
Total Real Assets	836,169	26.6%	21.0%	26.0%	31.0%		836,169	25.2%		26.0%	
US Large Cap Broad	280,647	8.9%		9.0%		8,383	289,030	8.7%	8.0%	9.0%	10.0%
US Large Cap	261,976	8.3%		8.5%		9,649	271,625	8.2%	7.5%	8.5%	9.5%
US Small Cap	124,697	4.0%		4.0%		3,701	128,398	3.9%	3.5%	4.0%	4.5%
Total US Equity	667,319	21.2%	19.5%	21.5%	23.5%	21,734	689,053	20.8%		21.5%	
Non- US Equity	674,029	21.4%	19.5%	21.5%	23.5%	10,279	684,307	20.7%	20.5%	21.5%	22.5%
Global Equity	495,359	15.7%	14.0%	16.0%	18.0%	51,263	546,622	16.5%	15.0%	16.0%	17.0%
Total Equities	1,836,707	58.4%	56.0%	59.0%	62.0%	83,275	1,919,983	58.0%	57.0%	59.0%	61.0%
Total Strategic Port. ex Cash	3,147,210	100%									
Cash (Plan + Overlays)	165,888					(154,983)	10,905	0.3%			
Opportunistic	25,213										
Davidson Kempner	25,213						25,213				
Total Plan Assets	3,338,311						3,338,311	100.0%			

Non-US as % of Total Equities - Physicals 47.2%

Non-US as % of Total Equities - Economic Exposure 46.7%

Non-US as % of Total Equities - Policy Target 50.0%

Non-US as % of MSCI All Country World IM Index 39.0%

Note 1) The total market exposure gained/reduced in addition to the managers by using derivatives within the Parametric overlay account is \$155 million.

2) The total physical cash (including manager cash) being overlaid by Parametric is \$163.2 million.

3) The Total Cash contains \$12 million for the margin account supporting the Parametric Cash overlay.

4) Normal physical rebalancings were suspended previous to September 30, 2023, and reinstated in October with the full funding of Fiera Comox completed on October 4, 2023.

Parametric compensates for the excess to Policy weighting of Real Assets by adjusting downwards the targets and ranges for the other asset classes.