

Investment Summary – Periods Ending 12/31/2021

December	0.5	- Overall return of +3.6% / 120 basis points over the Plan Target Policy Index - US Equity (R3000) +3.9% - Non-US Equity (MSCI EAFE +5.1%, MSCI EMG MKTS +1.9%) - Real Estate (NCREIF ODCE) N/A - BB Aggregate index -0.3%
QTR	1.7	- Overall return of +5.5% / 115 basis points over the Plan Target Policy Index - US Equity (R3000) +9.3% - Non-US Equity (MSCI EAFE +2.7%, MSCI EMG MKTS -1.3%) - Real Estate (NCREIF ODCE) +6.6% - BB Aggregate index +0.0% - Most favorable performance vs. benchmark in basis points (Jacobs Levy +766, Axiom +750, Systematic +704, Arrowstreet +328, IFM +268, SSGA Int'l ROL Index +99, SSGA Global ROL Index +59) - Most unfavorable performance vs. benchmark in basis points (Dodge & Cox -183, UBS AgriVest -136, Guggenheim -76, UBS TPF -41)
1 Year	6.8	- Overall return of +17.4% / 488 basis points over the Plan Target Policy Index - US Equity (R3000) +25.7% - Non-US Equity (MSCI EAFE +11.3%, MSCI EMG MKTS -2.5%) - Real Estate (NCREIF ODCE) +14.6% - BB Aggregate index -1.5% - Most favorable performance vs. benchmark in basis points (Axiom +3242, Jacobs Levy +1817, Systematic +1787, Arrowstreet +1784, IFM +734, SSGA Int'l ROL Index +448, Dodge & Cox +306) - Most unfavorable performance vs. benchmark in basis points (UBS TPF -607, UBS AgriVest -294, JP Morgan SPF -57)
3 Years	6.9	- Overall return of +14.3% / 41 basis points under the Plan Target Policy Index - US Equity (R3000) +25.8% - Non-US Equity (MSCI EAFE +13.5%, MSCI EMG MKTS +10.9%) - Real Estate (NCREIF ODCE) +7.1% - BB Aggregate index +4.8%
5 Years	7.0	- Overall return of +11.0% / 4 basis points over the Plan Target Policy Index - US Equity (R3000) +18.0% - Non-US Equity (MSCI EAFE +9.6%, MSCI EMG MKTS +9.9%) - Real Estate (NCREIF ODCE) +7.5% - BB Aggregate index +3.6%
10 Years	7.2	Overall return of +10.7% / 56 basis point over the Plan Target Policy Index
15 Years	7.4	Overall return of +7.3% / 33 basis point over the Plan Target Policy Index
20 Years	7.6	Overall return of +7.8% / 31 basis points over the Plan Target Policy Index
25 Years	7.7	Overall return of +7.9% / 51 basis points over 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. Fees are an estimated annualized 0.5% at the Plan level.
3) The second column is a blend of the historical assumed net ROR's that were in force at the time.

Sonoma County Employees' Retirement Association

SUMMARY OF PERFORMANCE

RATES OF RETURN

Periods Ending: December 31, 2021



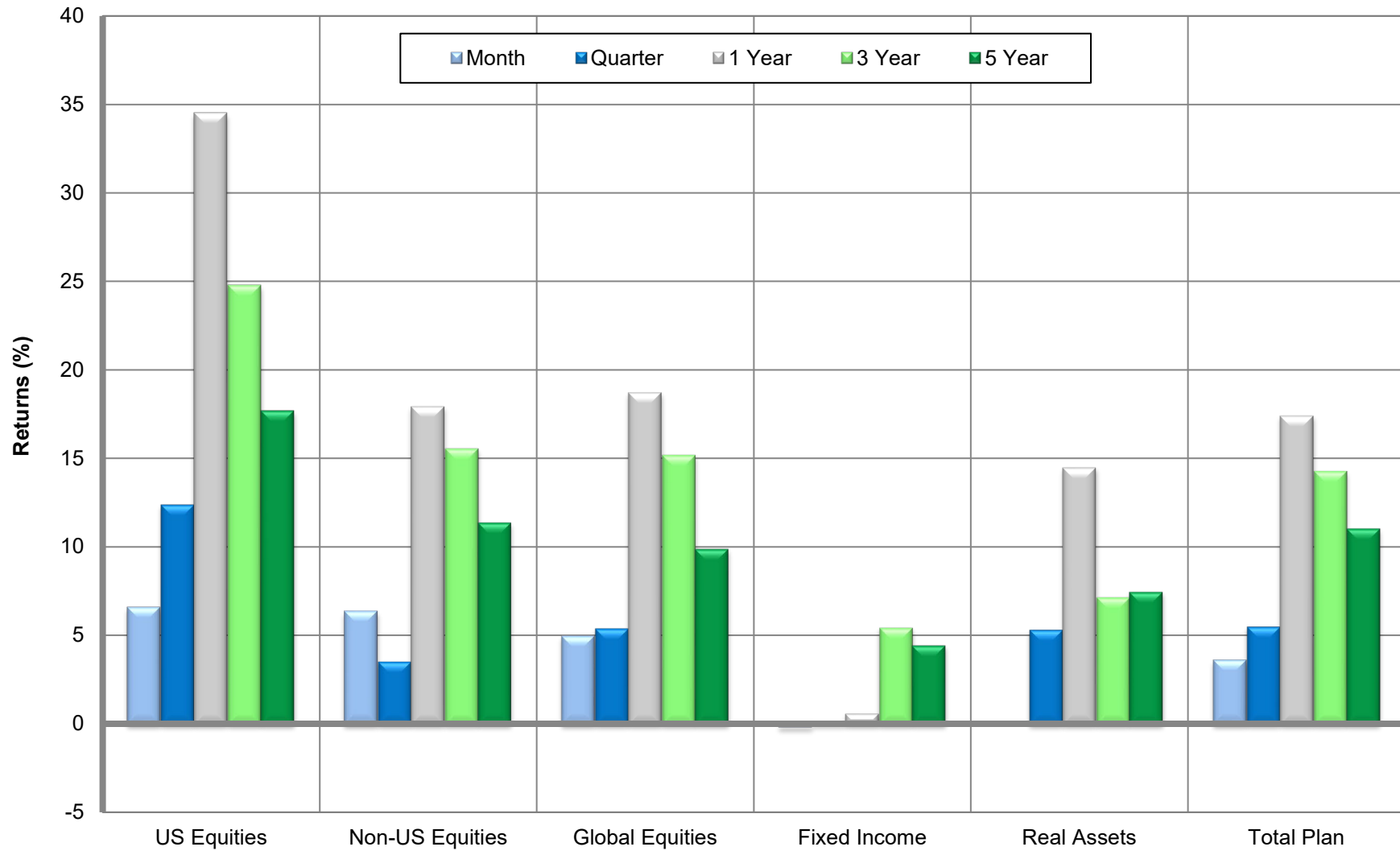
STATE STREET.

	1 Mo	Qtr	YTD	1 Yr	2 Yrs	3 Yrs	5 Yrs	10 Yrs	15 Yrs	20 Yrs
SONOMA TOTAL FUND POLICY INDEX	2.41	4.36	12.56	12.56	12.68	14.71	11.00	10.11	7.01	7.45
DJ Industrial Average Total Return Index	5.53	7.87	20.95	20.95	15.20	18.49	15.51	14.21	10.12	9.28
S&P 500	4.48	11.03	28.71	28.71	23.44	26.07	18.47	16.55	10.66	9.52
NASDAQ Composite Index	0.74	8.45	22.18	22.18	33.06	34.26	24.97	20.96	14.44	
Russell 1000	4.05	9.78	26.45	26.45	23.68	26.21	18.43	16.54	10.74	9.75
Russell 1000 Growth	2.11	11.64	27.60	27.60	32.93	34.08	25.32	19.79	13.72	10.86
Russell 1000 Value	6.31	7.77	25.16	25.16	13.43	17.64	11.16	12.97	7.51	8.34
Russell 2000	2.23	2.14	14.82	14.82	17.36	20.02	12.02	13.23	8.69	9.36
Russell 2000 Growth	0.44	0.01	2.83	2.83	17.66	21.17	14.53	14.14	9.97	9.20
Russell 2000 Value	4.08	4.36	28.27	28.27	15.85	17.99	9.07	12.03	7.19	9.18
Russell 3000	3.94	9.28	25.66	25.66	23.25	25.79	17.97	16.30	10.59	9.72
MSCI ACWI EX US SMALL CAP	4.23	0.62	12.93	12.93	13.58	16.45	11.21	9.46	5.59	10.03
S&P DEVELOPED EX U.S. SMALLCAP	4.61	-0.33	9.56	9.56	11.89	15.99	11.01	10.34	5.63	9.89
GLOBAL ASSET ALLOCATION BENCHMARK	2.51	4.05	11.33	11.33	12.81	15.35	10.97			
MSCI EAFE (NET)	5.12	2.69	11.26	11.26	9.53	13.54	9.55	8.03	3.60	6.33
MSCI EMERGING MARKETS	1.88	-1.31	-2.54	-2.54	7.38	10.94	9.87	5.49	5.44	10.37
MSCI AC World IMI w/USA GROSS (NET)	3.99	6.17	18.50	18.50	17.55	20.54	14.45	12.18	7.47	8.63
MSCI All Country World ex US IMI net	4.15	1.64	8.53	8.53	9.81	13.62	9.83	7.57	4.01	7.26
Bloomberg U.S. Aggregate	-0.26	0.01	-1.54	-1.54	2.88	4.79	3.57	2.90	4.09	4.33
Bloomberg U.S. Universal	-0.07	-0.03	-1.10	-1.10	3.14	5.15	3.84	3.31	4.32	4.65
Bloomberg US Mortgage Backed Securities	-0.09	-0.37	-1.04	-1.04	1.38	3.01	2.50	2.28	3.68	3.97
CS Leveraged Loan Index	0.63	0.71	5.40	5.40	4.08	5.43	4.32	4.83	4.33	4.77
LIBOR 1 MONTH INDEX	0.01	0.02	0.10	0.10	0.29	0.93	1.20	0.73	1.06	1.45
LIBOR + 400 BPS	0.34	1.01	4.10	4.10	4.30	4.96	5.25			
CPI + 500 BPS 1 ML	0.90	2.84	12.12	12.12	9.13	8.47				
ICE BofA US 3-Month Treasury Bill	0.01	0.01	0.05	0.05	0.36	0.99	1.14	0.63	0.91	1.29
NCREIF ODCE 1 MO LAG	0.00	6.63	14.63	14.63	7.81	7.06	7.51	9.93	6.51	7.84
NCREIF FARMLAND INDEX 1 ML	0.00	1.51	5.54	5.54	4.69	4.90	5.53	10.19	11.24	12.26
UBS CORE FARMLAND 1ML	0.00	2.22	7.70	7.70	5.99	5.59	5.68	8.58	9.72	10.54
RUSSELL 2000 BLENDED	2.23	2.14	14.82	14.82	17.36	20.02	12.02	13.53	8.15	9.91

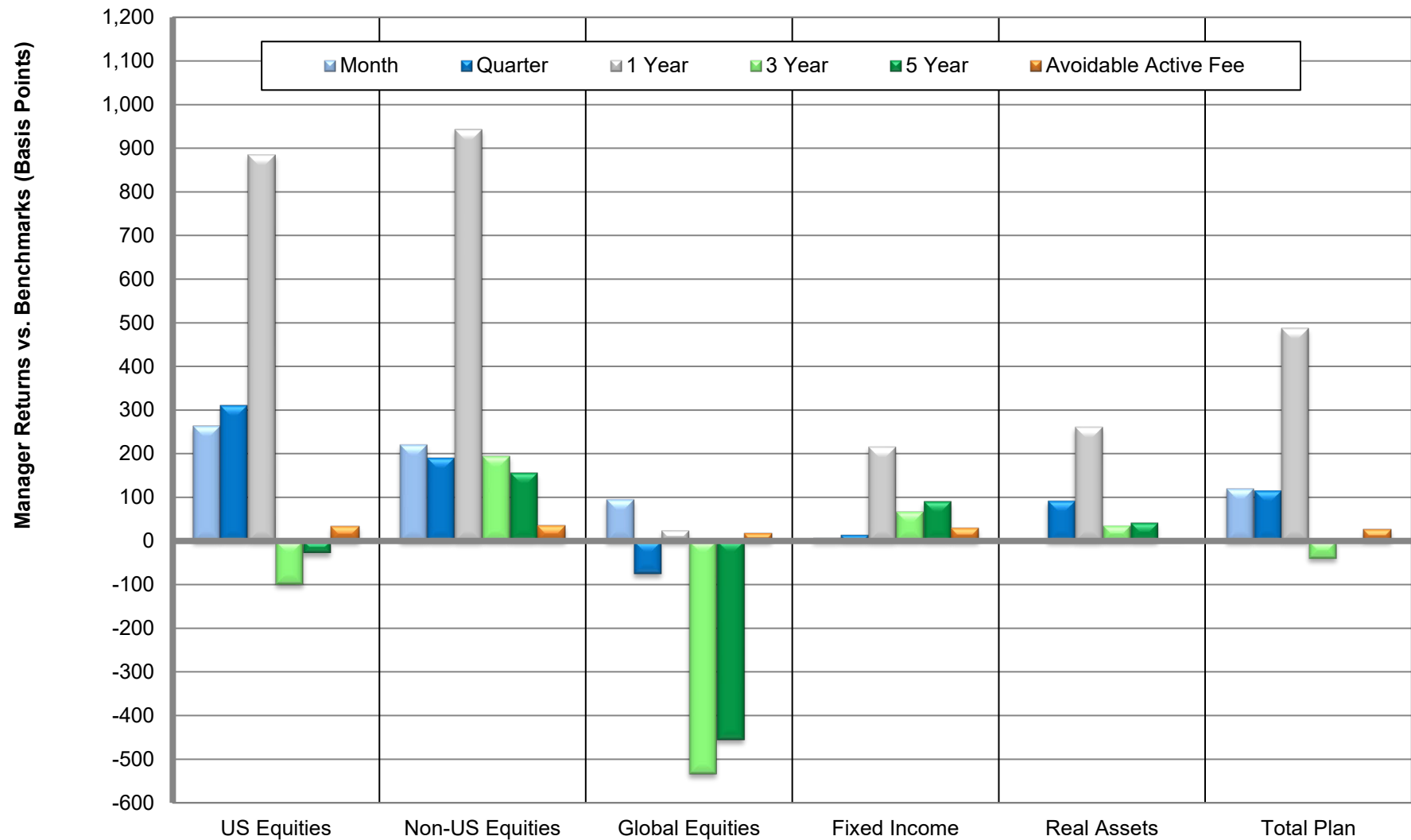
1 Custom Index: 80% NCREIF Farmland Annual Cropland Fixed/Var Rent + 20% NCREIF Farmland Permanent Cropland Fixed/Var Rent

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 Russell 2000 Index.

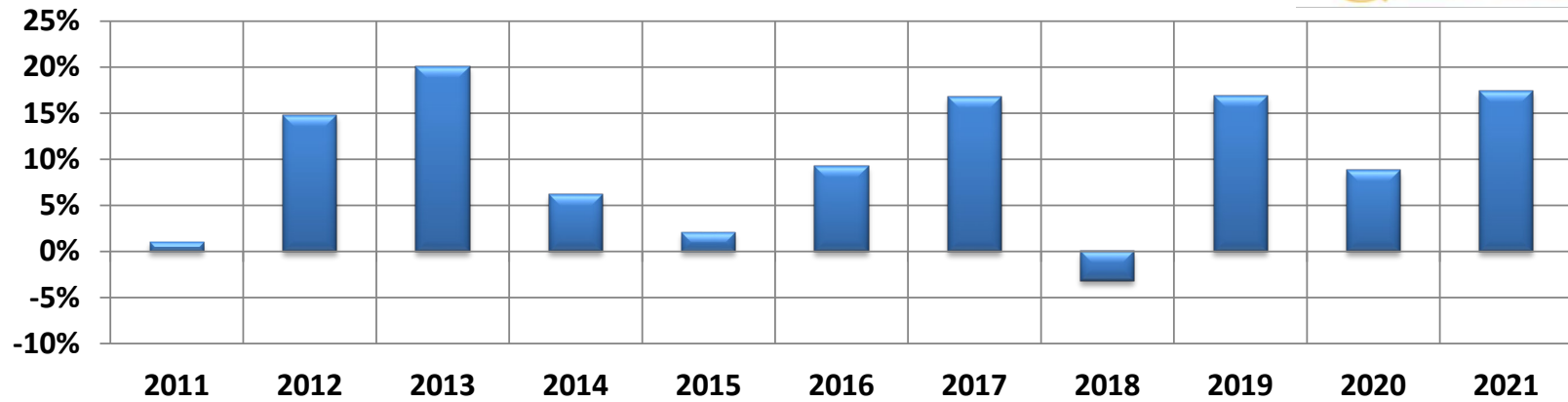
SCERA Investment Returns by Asset Class Periods Ending December 31, 2021



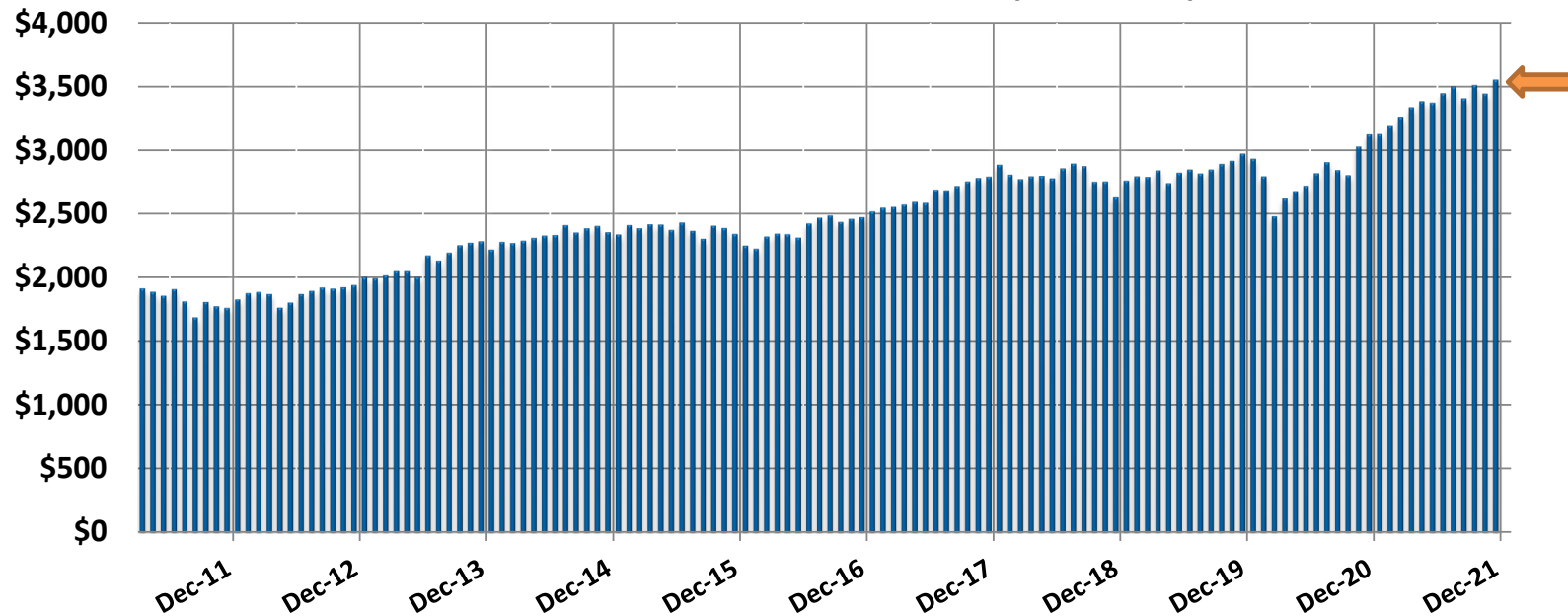
SCERA Asset Class Returns vs. Benchmarks Periods Ending December 31, 2021

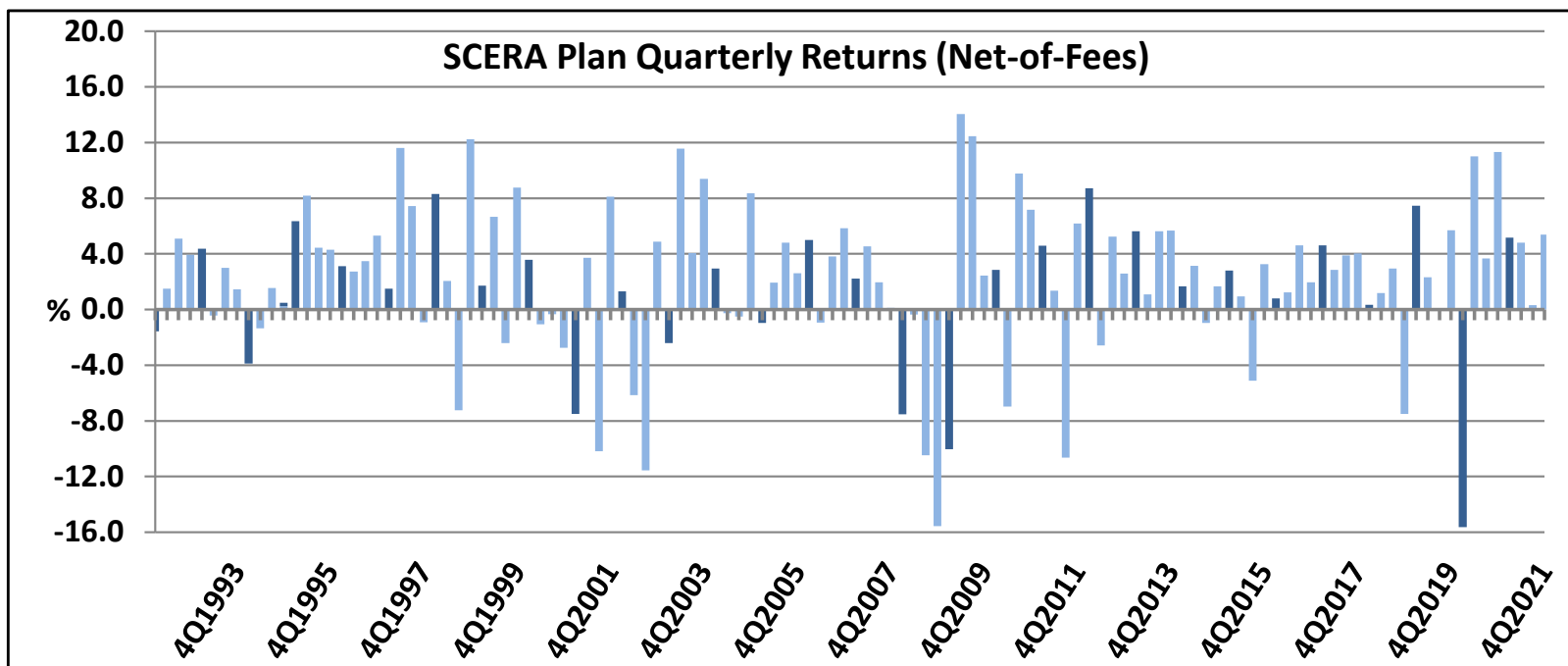
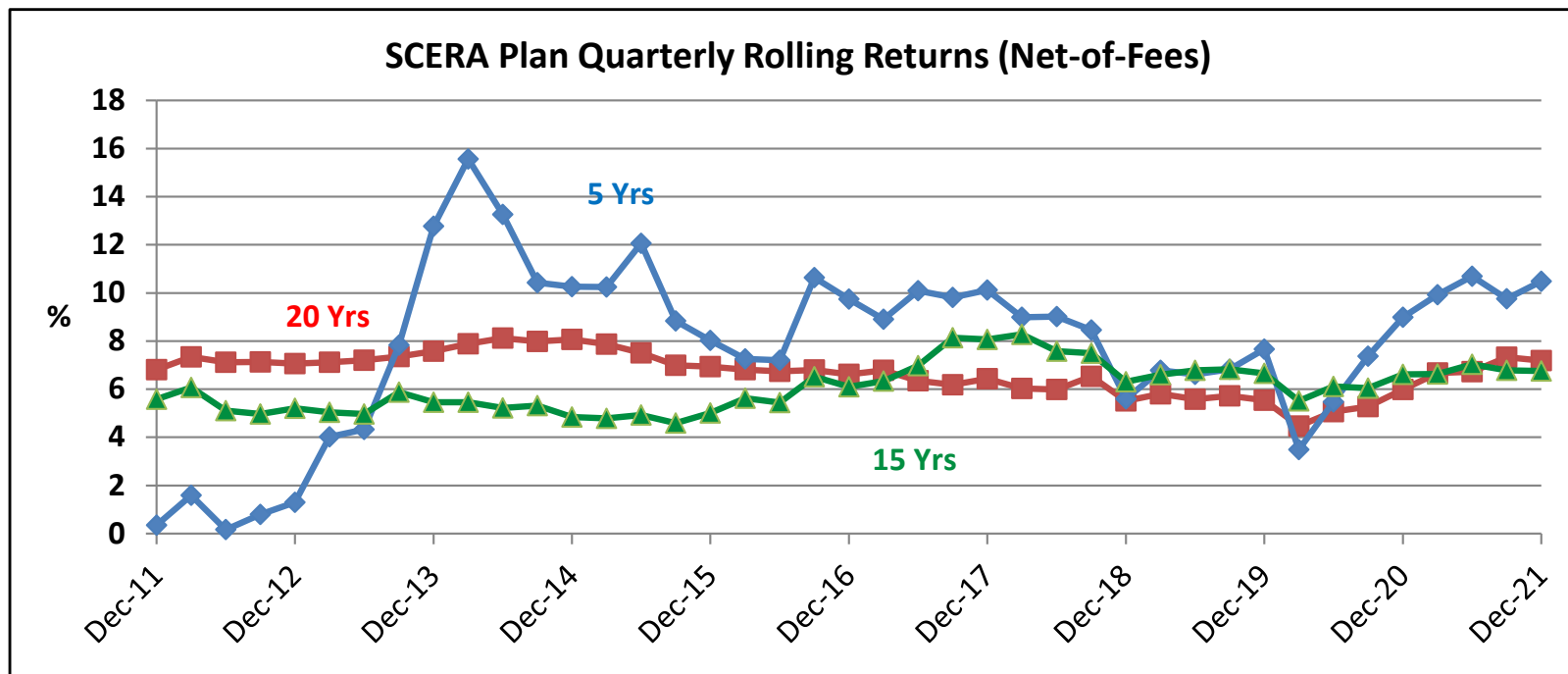


SCERA Plan Annual Returns



SCERA Plan Market Values (\$Millions)





Source: Aon Hewitt

Sonoma County Employees' Retirement Association

SUMMARY OF "OPPORTUNISTIC" PERFORMANCE

INTERNAL RATES OF RETURN (NET-OF- BASE MANAGEMENT FEES)

Periods Ending **30-Nov-21****DK SOF Fund III**

USD

Total Capital Commitment	75,000,000
Capital Contributions ITD	<u>(49,168,269)</u>
Remaining Commitment	25,831,731
Capital Contributions ITD	49,168,269
Capital Distributions ITD	(44,085,631)
Net Profit/Loss ITD	<u>14,346,606</u>
Ending Appraised Value	19,429,244
Inception to Date IRR	8.63%

DK SOF Fund IV

USD

Total Capital Commitment	50,000,000
Capital Contributions ITD	<u>(44,750,000)</u>
Remaining Commitment	5,250,000
Capital Contributions ITD	44,750,000
Capital Distributions ITD	(25,284,477)
Net Profit/Loss ITD	<u>12,785,283</u>
Ending Appraised Value	32,250,806
Inception to Date IRR	13.38%

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 December 31, 2021
 (All \$ in thousands)



													Inception Date
		Market Value	Month	QTR	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	20 Yrs	ITD	
U.S. EQUITY	TOTAL US EQUITY	787,700	6.56	12.37	34.51	34.51	24.79	17.68	17.39	11.34	10.70	13.44	6/1/1982
	BENCHMARK (RUSSELL 3000)		3.94	9.28	25.66	25.66	25.79	17.97	16.30	10.59	9.72	12.68	
	JACOBS LEVY 130/30	320,232	9.83	16.94	43.83	43.83	29.40	20.31	20.18			13.73	3/1/2007
	RUSSELL 3000		3.94	9.28	25.66	25.66	25.79	17.97	16.30			10.69	
	SSGA RUSSELL 1000 INDEX FUND	328,143	4.04	9.78	26.46	26.46	26.22					18.43	10/1/2018
	RUSSELL 1000		4.05	9.78	26.45	26.45	26.21					18.41	
	SYSTEMATIC	139,325	5.38	9.18	32.69	32.69	20.53	13.51	15.39	10.77	11.64	12.91	1/1/2000
	¹ RUSSELL 2000 BLENDED		2.23	2.14	14.82	14.82	20.02	12.02	13.53	8.15	9.91	10.65	
NON-US EQUITY	TOTAL NON-US EQUITY	773,119	6.34	3.54	17.96	17.96	15.57	11.39	9.15	4.70	7.14	7.10	4/1/2001
	BENCHMARK (BLEND)		4.15	1.64	8.53	8.53	13.62	9.83	7.54	3.68	6.39	5.68	
	ARROWSTREET 130/30	310,817	8.42	4.92	26.36	26.36	21.15	16.43	12.68			10.10	2/1/2011
	² MSCI INT'L EQUITY BLENDED II		4.15	1.64	8.53	8.53	13.62	9.83	7.57			5.33	
	³ SSGA ACWI EX-US IMI ROL STRATEGY	462,302	4.99	2.63	13.01	13.01	15.35	10.96				7.04	6/1/2013
	MSCI ACWI EX-US IMI (NET)		4.15	1.64	8.53	8.53	13.62	9.83				6.30	
GLOBAL EQUITY	TOTAL GLOBAL EQUITY	573,367	4.94	5.42	18.75	18.75	15.21	9.90	9.59	6.27		7.43	4/1/2005
	BENCHMARK (BLEND)		3.99	6.17	18.50	18.50	20.54	14.45	12.01	7.15		8.32	
	³ SSGA ACWI IMI ROL STRATEGY	28,620	4.29	6.76	20.89	20.89						20.89	1/1/2021
	MSCI ACWI IMI (NET) with USA Gross		3.99	6.17	18.50	18.50						18.50	
	SSGM INTERIM ACCOUNT	232,803	4.50	6.73								5.04	8/1/2021
	MSCI ACWI IMI (NET) with USA Gross		3.99	6.17								4.50	
	DODGE & COX	311,945	5.34	4.33	21.56	21.56	16.39	11.84	14.57	8.40	9.70	10.04	8/1/1997
	⁵ MSCI Global Equity Blended II		3.99	6.17	18.50	18.50	20.54	12.42	13.60	7.91	8.64	8.31	

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

² 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

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

⁴ MSCI AC World (Net) 5/1/2008 to 6/30/2013 ; MSCI ACWI IMI (Net) 7/1/2013 - 12/31/2015 ; MSCI ACWI IMI (Net) with USA Gross 1/1/2016 to Present

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 December 31, 2021

	Market Value	Month	QTR	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	20 Yrs	ITD	Inception Date
FIXED INCOME												
TOTAL FIXED INCOME	562,019	-0.17	0.15	0.62	0.62	5.47	4.47	4.03	5.22	5.29	6.88	9/1/1986
BENCHMARK (BB US AGGREGATE)		-0.26	0.01	-1.54	-1.54	4.79	3.57	2.90	4.09	4.33	5.95	
REAMS CORE PLUS	156,553	-0.02	0.48	-1.34	-1.34	8.27	6.00	5.01	6.28	6.00	6.00	7/1/2001
BB US AGGREGATE		-0.26	0.01	-1.54	-1.54	4.79	3.57	2.90	4.09	4.33	4.45	
DOUBLELINE CORE PLUS	156,508	-0.28	0.01	0.63	0.63	3.99	3.70				3.56	7/1/2014
BB US AGGREGATE		-0.26	0.01	-1.54	-1.54	4.79	3.57				3.06	
BB US MORTGAGE BACKED SECURITIES INDEX		0.00	0.00	0.00	0.00	0.00	0.00				2.36	
PIMCO CORE PLUS	156,917	-0.15	0.09	-0.65	-0.65	5.15	4.33	3.61			3.96	4/1/2011
BB US AGGREGATE		-0.26	0.01	-1.54	-1.54	4.79	3.57	2.90			3.38	
GUGGENHEIM BANK LOANS	92,041	-0.29	-0.05	6.10	6.10	5.61	4.65				4.47	10/1/2013
CREDIT SUISSE LEV LOAN INDEX		0.63	0.71	5.40	5.40	5.43	4.32				4.21	

REAL ASSETS*												
TOTAL REAL ASSETS	635,151		5.34	14.51	14.51	7.18	7.47	9.42	4.33		5.97	1/1/2003
BENCHMARK (COMPOSITE)			4.42	11.89	11.89	6.83	7.06	9.23	6.06		7.63	
JPMORGAN STRAT. PROPERTY FUND	185,147		6.72	14.06	14.06	6.48	6.99	9.81			10.30	1/1/2011
NCREIF ODCE 1 MONTH LAGGED			6.63	14.63	14.63	7.06	7.51	9.93			10.32	
UBS TRUMBULL PROPERTY FUND	130,857		6.22	8.55	8.55	1.88	3.70	7.12	5.51		7.22	1/1/2003
NCREIF ODCE 1 MONTH LAGGED			6.63	14.63	14.63	7.06	7.51	9.93	6.51		7.99	
UBS AGRIVEST FARMLAND FUND	141,514		0.86	4.76	4.76	4.48	5.06	7.67			7.88	11/1/2010
CORE FARMLAND INDEX 1 MO. LAG			2.22	7.70	7.70	5.59	5.68	8.58			8.71	
NCREIF FARMLAND INDEX 1 MO. LAG			1.51	5.54	5.54	4.90	5.53	10.19			10.29	
IFM GLOBAL INFRASTRUCTURE FUND	101,471		4.88	17.97	17.97	10.61					12.37	9/1/2017
CPI + 500 bps 1 MO. LAG			2.20	10.64	10.64	7.94					7.67	
AXINFRA NA II LP	76,164		9.70	43.06	43.06				Axium calculated Net IRR		10.60	10/1/2019
CPI + 500 bps 1 MO. LAG			2.20	10.64	10.64						8.51	

* Real Assets are reported with a one month lag. Real Estate returns are quarterly, infrastructure is monthly.

STRATEGIC												
PLAN LEVEL CASH	136,420	0.00	0.00	0.02	0.02	0.84	1.01	0.58	1.04		1.21	5/1/2006
91 DAY T-BILL		0.01	0.01	0.05	0.05	0.99	1.14	0.63	0.91		1.09	
TOTAL STRATEGIC PORT EXCL OVERLAYS	3,467,776	3.63	5.41	17.31	17.31	13.56	10.52	10.38	7.15	7.62	9.59	3/1/1979
TOTAL STRAT PORT EXCL EIRP OVERLAY	3,491,905	3.66	5.50	17.36	17.36	14.46	11.09	10.70	7.36	7.77	9.66	3/1/1979
⁷ PARAMETRIC CASH OVERLAY G/L IMPACT	24,129	0.05	0.12	0.15	0.15	0.48	0.36				0.45	12/1/2013
TOTAL STRAT PORT EXCL CASH OVERLAY	3,481,609	3.63	5.40	17.33	17.33	13.49	10.48	10.36	7.14	7.61	9.58	3/1/1979
⁸ PARAMETRIC EIRP RTN ON NOTIONAL VALUE	13,833	0.60	0.37	3.49	3.49	-0.12					0.00	2/1/2017
PARAMETRIC EIRP OVERLAY G/L IMPACT	13,833	0.01	0.01	0.08	0.08	0.05					0.00	3/1/2017
TOTAL STRATEGIC PORTFOLIO	3,505,738	3.66	5.49	17.38	17.38	14.38	11.03	10.68	7.34	7.76	9.66	3/1/1979
Op												
DAVIDSON KEMPNER FUNDS	45,770	-0.21	6.85	21.63	21.63	9.90	10.45		Staff calculated IRR		9.75	7/1/2016
⁹ BENCHMARK		-1.73	-0.67	13.33	13.33	12.29	10.78		Staff estimated value added		\$7,865	

TOTAL												
TOTAL PLAN	3,551,508	3.61	5.51	17.44	17.44	14.30	11.04	10.67	7.34	7.76	9.65	3/1/1979
TOTAL PLAN TARGET POLICY		2.41	4.36	12.56	12.56	14.71	11.00	10.11	7.01	7.45	10.10	

⁷ Cash Overlay Impact includes the gains/losses from the GBP hedge for the investment in Davidson Kempner SOF III-A.

⁸ Returns are calculated on the notional exposure of the options which began at \$25 million on March 1, 2017 and escalated to \$75 million as of May 1, 2017. Returns expected to be in the range of 2% to 3% pa.

⁹ Opportunistic and its benchmark (which is the Total Plan Policy) return are lagged one month.

	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	469,978	14.1%	14.0%	16.0%	18.0%	106,711					
Total Alternative Fixed Income	92,041	2.8%	2.0%	3.0%	4.0%						
Total Fixed Income	562,019	16.9%	17.0%	19.0%	21.0%	106,711	668,730	19.1%	18.0%	19.0%	20.0%
Core Real Estate	316,003	9.5%		10.0%							
Farmland	141,514	4.2%		5.0%							
Infrastructure	177,634	5.3%		5.0%							
Total Real Assets	635,151	19.1%	17.0%	20%	23.0%		635,151	18.1%		20.0%	
US Large Cap Broad	320,232	9.6%		8.0%		8,289	328,521	9.4%	8.0%	9.0%	10.0%
US Large Cap	328,143	9.9%		8.5%		(18,733)	309,410	8.8%	7.5%	8.5%	9.5%
US Small Cap	139,325	4.2%		5.0%		1,909	141,234	4.0%	3.5%	4.0%	4.5%
Total US Equity	787,700	23.6%	19.5%	21.5%	23.5%	(8,536)	779,164	22.2%		21.5%	
Non- US Equity	773,119	23.2%	19.5%	21.5%	23.5%	(547)	772,572	22.0%	20.5%	21.5%	22.5%
Global Equity	573,367	17.2%	16.0%	18.0%	20.0%	71,823	645,191	18.4%	17.0%	18.0%	19%
Total Equities	2,134,186	64.1%	58.0%	61.0%	64.0%	62,740	2,196,926	62.7%	59.0%	61.0%	63%
Total Strategic Port. ex Cash	3,331,356	100%									
Cash (Plan + Overlays)	174,382					(169,451)	4,931	0.1%			
Opportunistic	45,770										
Davidson Kempner	45,770						45,770	excluded from Cash Overlay			
Total Plan Assets	3,551,508						3,551,508	100.0%			

Non-US as % of Total Equities - Physicals

46.9%

Non-US as % of Total Equities - Economic Exposure

46.8%

Non-US as % of Total Equities - Policy Target

50.0%

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

39.8%

- Note 1) The total market exposure gained/reduced in addition to the managers by using derivatives within the Parametric overlay account is \$169.5 million.
2) The total physical cash (including manager cash) being overlaid by Parametric is \$174.9 million.
3) The Total Cash contains \$38 million for the margin accounts supporting the Parametric Cash and EIRP overlays.
4) Normal physical rebalancings have been suspended until the funding of new infrastructure investments which will reduce the policy weights for fixed income & equities.