

Board of Retirement Regular Meeting

Sacramento County Employees' Retirement System

Agenda Item 8

MEETING DATE: October 16, 2019

SUBJECT: Monthly Investment Manager Activity, Compliance, and

Watch List Report - September 2019

Deliberation Receive SUBMITTED FOR: X Consent and Action and File

RECOMMENDATION

Staff recommends the Board receive and file the Monthly Investment Manager Activity, Compliance, and Watch List report for September 2019.

<u>PURPOSE</u>

This item complies with SCERS' investment policy statement reporting requirements and contributes to the effective management and oversight of investment activities.

DISCUSSION

SCERS' investment manager transactions have been reviewed for compliance with their respective investment guidelines and objectives. No compliance violations have been found.

As of September 30, 2019, investment managers on the Watch List include:

1. AQR Capital Management (Diversifying Absolute Return)

Effective September 2019, SCERS removed the Carlyle Group (Opportunistic Real Estate) from the Watch List. The Carlyle Group was added to the Watch List following the announcement to exit the Asia real estate business. SCERS invested with Carlyle through two closed-end opportunistic real estate funds that primarily invest in China. Since the initial announcement, Carlyle has spun out the China real estate team, which will continue to manage the funds that SCERS is invested in. SCERS has met with the management team for the China real estate investments and is satisfied with the new structure, the continued implementation of the investment strategy, and underlying assets.

Staff and the investment consultants will continue to monitor the performance and/or organizational concerns for SCERS' investment managers and update the Watch List accordingly.

October 16, 2019 Page 2 of 2 Agenda Item 8

ATTACHMENTS

- 1. Monthly Investment Manager Activity, Compliance, and Watch List Report September 2019
- 2. Watch List with Commentary Report September 2019

Prepared by:	
/S/	
Brian Miller Investment Officer	
Reviewed by:	
/S/	/S/
Steve Davis Chief Investment Officer	Eric Stern Chief Executive Officer

#	Investment Manager	Fund Type	Watch List	Net Asset Value (as of September 30, 2019)*	SCERS Investment / Commitment	Total Capital Called to Date	Total Capital Returned to Date**	Benchmark	Comply	Counter-Party Comply	Monthly Purchases / Capital Called	Monthly Sales / Capital Returned**	Top 10 Holdings / Notes
								DOMESTIC EQUIT	Υ				
1	JP Morgan Asset Management	Equity 130/30		\$134,255,889				Russell 1000	Yes	N/A	\$17,376,658	\$23,399,204	Microsoft, Alphabet, Amazon, Apple, Comcast, Fiserv, Linde, Mastercard, Honeywell International, Prologis
')	D.E. Shaw Broad Market Core Alpha Extension	Equity 130/30		\$128,811,489				Russell 1000	Yes	N/A			Amazon.com, Microsoft, Visa, Apple, VeriSign , Johnson & Johnson, Merck, ConocoPhillips, AbbVie, McDonald's Corp
3	Eagle Capital Management	Large Cap Core		\$259,074,173				Russell 1000	Yes	N/A	\$816,855	\$344,124	Microsoft Corp, Alphabet Inc Cl C, Berkshire Hathaway Inc Cl B, Citigroup Inc, Comcast Corp Class A, Goldman Sachs Group Inc, Amazon.Com Inc, Wells Fargo + Co, Liberty Broadband C, General Electric Co
4	AQR US Enhanced Equity	Large Cap Core		\$247,624,794				Russell 1000	Yes	N/A	\$37,634,001	\$36,746,613	Apple Inc, Microsoft Corp, Amazon.Com Inc, Facebook Inc Class A, Alphabet Inc Cl A, Johnson + Johnson, Procter + Gamble Co/The, Wells Fargo + Co, Berkshire Hathaway Inc Cl B, Exelon Corp
5	Alliance Bernstein	Large Cap Passive		\$1,171,514,905				Russell 1000	Yes	N/A	\$4,002,034	\$2,556,933	Microsoft Corp, Apple Inc, Amazon.Com Inc, Facebook Inc Class A, Berkshire Hathaway Inc Cl B, Jpmorgan Chase + Co, Alphabet Inc Cl C, Alphabet Inc Cl A, Johnson + Johnson, Procter + Gamble Co/The
6	Weatherbie Capital	Small Cap Growth		\$100,292,180				Russell 2000 Growth	Yes	N/A	\$10,702,420	\$9,496,283	Firstservice Corp, Insulet Corp, Nevro Corp, Paylocity Holding Corp, Casella Waste Systems Inc A, Chegg Inc, State Street Bank + Trust Co, Glaukos Corp, Epam Systems Inc, Wayfair Inc Class A
7	Dalton, Greiner, Hartman, Maher	Small Cap Value		\$92,748,965				Russell 2000 Value	Yes	N/A	\$2,730,923	\$2,635,031	Teradyne Inc, Quanta Services Inc, Unifirst Corp/Ma, Brandywine Realty Trust, Portland General Electric Co, Cousins Properties Inc, Gibraltar Industries Inc, Forward Air Corp, Northwestern Corp, Cable One Inc
	TOTAL DOMESTIC EQUITY			\$2,134,322,395							\$73,262,891	\$75,178,188	

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								INTERNATIONAL EG	QUITY				
8	Lazard Asset Management	ACWI ex-US		\$373,551,085				MSCI ACWI Ex U.S.	Yes	N/A	\$15,784,229	\$14,953,385	Lazard Emerging Markets Equity, State Street Bank + Trust Co, Cae Inc, Vivendi, Accenture PIc Cl A, Aon PIc, Medtronic PIc, Sanofi, Volkswagen Ag Pref, Informa PIc
9	LSV Asset Management	Developed Large Cap Value		\$413,200,987				MSCI World Ex U.S.	Yes	N/A	\$2,889,396	\$2,300,402	Roche Holding Ag Genusschein, Sanofi, Enel Spa, Royal Dutch Shell Plc B Shs, Total Sa, Bp Plc, Nippon Telegraph + Telephone, Kddi Corp, Glaxosmithkline Plc, Bae Systems Plc
10	Walter Scott International EAFE Income Growth	Developed Large Cap Growth		\$521,973,827				MSCI World Ex U.S.	Yes	N/A	\$611,267		Smc Corp, Keyence Corp, Lvmh Moet Hennessy Louis Vui, Aia Group Ltd, Adidas Ag, Shin Etsu Chemical Co Ltd, Coloplast B, Compass Group Plc, State Street Bank + Trust Co, Experian Plc
	William Blair International Small Cap	Developed Small Cap Growth		\$85,672,218				MSCI Small Cap World exU.S.	Yes	N/A	\$4,258,671	\$4,391,108	Euronext Nv, Li Ning Co Ltd, Beazley Plc, Tis Inc, Indutrade Ab, Nihon Unisys Ltd, Evolution Gaming Group, Nihon M&A Center Inc, Globant Sa, Diploma Plc
12	Mondrian International Small Cap	Developed Small Cap Value		\$93,574,443				MSCI Small Cap World exU.S.	Yes	N/A	\$1,797,246	\$4,334,382	Fielmann AG, Nifco Inc, Rubis SCA, WSP Global Inc, Innergex Renewable Energy Inc, en-Japan Inc, SATS Ltd, Boralex Inc, Nihon MA Center Inc, Equiniti Group PLC
13	Ballie Gifford EM All Cap	Emerging Market - All Cap		\$189,663,151				MSCI Emerging Markets	Yes	N/A	7,050,819	\$3,210,604	Taiwan Semicon.Mnfg., Ping An Insurance 'H', Alibaba Group Hldg.Spn. Adr 1:1, Samsung Electronics, Norilsk Nickel Adr, Tencent Holdings, Sberbank Of Russia (Lon) Adr, Cnooc, Reliance Industries, Housing Development Fin.
14	Mondrian EM All Cap	Emerging Market - All Cap		\$161,841,567				MSCI Emerging Markets	Yes	N/A	\$5,248,626	\$4,431,324	Taiwan Semiconductor Manufacturing Ltd, Ping An Insurance Co of China Class H, Samsung Electronics Co Ltd, China Merchants Bank Co Ltd Class H, LG Chem Ltd, CSPC Pharmaceutical Group Ltd, Alibaba Group Holding Sponsored ADR, Gazprom PJSC Sponsored ADR, WH Group Ltd, Sands China Ltd
	TOTAL INTERNATIONAL EQUITY			\$1,839,477,278							\$37,640,253	\$33,621,206	

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			20,222,				PRIVATE EQUITY	·				
15 Abbott Capital Private Equity Fund VI, LP	₃Fund of Funds		\$45,399,077	\$75,000,000	\$74,062,500	\$75,751,320	Cambridge Assoc. All Private Equity	Yes	N/A		\$2,250,000	
HarbourVest International PEP VI, LP	₀Fund of Funds		\$34,975,794	\$50,000,000	\$37,649,314	\$25,935,360	Cambridge Assoc. All Private Equity	Yes	N/A		\$978,405	Fund is denominated in Euros and has been converted to US dollars based on the exchange rate at the time of the transaction.
17 HarbourVest VIII, LP	⊲Fund of Funds		\$15,081,926	\$50,000,000	\$47,962,500	\$68,067,581	Cambridge Assoc. All Private Equity	Yes	N/A		\$427,605	
Private Equity (Goldman Sachs) X, LP	_a Fund of Funds		\$23,055,349	\$75,000,000	\$74,960,334	\$76,452,914	Cambridge Assoc. All Private Equity	Yes	N/A		\$1,005,759	
Accel-KKR Capital Partners IV, LP	Buyout		\$13,800,842	\$15,000,000	\$14,176,766	\$22,441,864	Cambridge Assoc. All Private Equity	Yes	N/A			
20 Accel-KKR Capital Partners V, LP	Buyout		\$10,431,714	\$25,000,000	\$11,640,739	\$6,001,296	Cambridge Assoc. All Private Equity	Yes	N/A			
21 H.I.G. Capital Partners V, LP	Buyout		\$12,740,564	\$14,000,000	\$11,319,832	\$3,766,021	Cambridge Assoc. All Private Equity	Yes	N/A			
22 Linden Capital Partners III, LP	Buyout - Middle Market Healthcare		\$41,462,123	\$35,000,000	\$32,852,736	\$25,756,984	Cambridge Assoc. All Private Equity	Yes	N/A			
23 Linden Capital Partners IV, LP	Buyout - Middle Market Healthcare		\$10,699,815	\$44,000,000	\$13,096,127	\$3,439,955	Cambridge Assoc. All Private Equity	Yes	N/A			
24 Thoma Bravo Fund XI, LP	Buyout - Middle Market Technology		\$41,082,544	\$30,000,000	\$30,010,615	\$27,401,907	Cambridge Assoc. All Private Equity	Yes	N/A			
25 Thoma Bravo Fund XII, LP	Buyout - Middle Market Technology		\$34,909,240	\$30,000,000	\$28,353,851	\$1,663,022	Cambridge Assoc. All Private Equity	Yes	N/A			
26 Thoma Bravo Fund XIII, LP	Buyout - Middle Market Technoloay		\$16,059,900	\$45,000,000	\$16,246,655	\$182	Cambridge Assoc. All Private Equity	Yes	N/A	\$170,415		

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							PRIVATE EQUITY	•				
H.I.G. Europe Capital Partners II, LP	Buyout - Non-US		\$9,613,984	\$21,000,000	\$11,064,811	\$2,655,522	Cambridge Assoc. All Private Equity	Yes	N/A			Fund is denominated in Euros and has been converted to US dollars based on the exchange rate at the time of the transaction.
28 Waterland Fund V, LP	Buyout - Non-US		\$11,423,624	\$23,193,600	\$15,735,010	\$29,098,568	Cambridge Assoc. All Private Equity	Yes	N/A		\$178,860	Fund is denominated in Euros and has been converted to US dollars based on the exchange rate at the time of the transaction.
29 Waterland Fund VI, LP	Buyout - Non-US		\$20,155,640	\$30,000,000	\$17,664,784	\$4,983,264	Cambridge Assoc. All Private Equity	Yes	N/A		\$4,274,364	Fund is denominated in Euros and has been converted to US dollars based on the exchange rate at the time of the transaction.
30 Marlin Heritage, LP	Buyout - Small / Middle Market		\$11,774,401	\$10,000,000	\$10,136,148	\$9,582,441	Cambridge Assoc. All Private Equity	Yes	N/A			
31 Marlin Heritage II, LP	Buyout - Small / Middle Market		\$5,193,766	\$10,000,000	\$5,094,856		Cambridge Assoc. All Private Equity	Yes	N/A			
32 Marlin Heritage Europe, LP	Buyout - Small / Middle Market		\$8,516,468	\$14,400,000	\$7,022,318		Cambridge Assoc. All Private Equity	Yes	N/A			Fund is denominated in Euros and has been converted to US dollars based on the exchange rate at the time of the transaction.
33 Marlin Equity Partners IV, LP	Buyout - Middle Market		\$14,347,279	\$20,000,000	\$19,860,787	\$9,877,476	Cambridge Assoc. All Private Equity	Yes	N/A			
34 Marlin Equity Partners V, LP	Buyout - Middle Market		\$8,770,620	\$25,000,000	\$8,603,113	\$374,749	Cambridge Assoc. All Private Equity	Yes	N/A			
35 RRJ Capital Master Fund II, LP	Buyout - Special Situations SE Asia		\$19,387,412	\$35,000,000	\$41,957,342	\$31,563,336	Cambridge Assoc. All Private Equity	Yes	N/A			
36 RRJ Capital Master Fund III, LP	Buyout - Special Situations SE Asia		\$20,330,392	\$40,000,000	\$37,535,226	\$26,474,708	Cambridge Assoc. All Private Equity	Yes	N/A		\$1,743,219	
38 Atalaya Special Opportunities Fund VI, LP	Distressed Debt - US		\$19,014,240	\$25,000,000	\$30,351,369	\$17,125,813	Cambridge Assoc. All Private Equity	Yes	N/A		\$531,632	
39 DavidsonKempner Long-Term Distressed Opportunities Fund IV, LP	Distressed Debt		\$25,437,862	\$35,000,000	\$24,150,000		Cambridge Assoc. All Private Equity	Yes	N/A	\$1,750,000		
DavidsonKempner Long-Term Distressed Opportunities Fund V, LP	Distressed Debt			\$30,000,000			Cambridge Assoc. All Private Equity	Yes	N/A			
Garrison Opportunity Fund III, LP	Distressed Debt		\$13,656,852	\$20,000,000	\$20,000,000	\$7,660,415	Cambridge Assoc. All Private Equity	Yes	N/A			

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								PRIVATE EQUITY					
42	H.I.G. Bayside Loan Opportunity III (Europe), LP	Distressed Debt		\$12,806,603	\$30,000,000	\$23,358,256	\$20,230,756	Cambridge Assoc. All Private Equity	Yes	N/A			
43	TPG Opportunities Partners III, LP	Distressed Debt		\$21,126,445	\$40,000,000	\$37,439,970	\$23,664,084	Cambridge Assoc. All Private Equity	Yes	N/A			
44	TSSP Opportunities Partners IV, LP	Distressed Debt		\$5,812,920	\$35,000,000	\$5,662,203	\$6,881	Cambridge Assoc. All Private Equity	Yes	N/A	\$1,293,988		
45	Wayzata Opportunities Fund III, LP	Distressed Debt		\$5,285,208	\$30,000,000	\$14,718,000	\$8,556,157	Cambridge Assoc. All Private Equity	Yes	N/A			
46	Summit Partners Venture Capital Fund III, LP	Growth Equity		\$15,013,357	\$16,350,000	\$16,350,000	\$16,489,728	Cambridge Assoc. All Private Equity	Yes	N/A			
47	Summit Partners Venture Capital Fund IV, LP	Growth Equity		\$15,903,467	\$35,000,000	\$22,144,992	\$20,308,437	Cambridge Assoc. All Private Equity	Yes	N/A	\$2,751,000		
48	Summit Partners Europe Growth Equity Fund II, LP	Growth Equity		\$12,800,886	\$30,000,000	\$16,353,755	\$8,538,907	Cambridge Assoc. All Private Equity	Yes	N/A	\$875,415		
49	TSG 7A,LP and TSG 7B, LP	Buyout - Consumer Brands		\$15,854,517	\$20,000,000	\$15,099,571	\$108,566	Cambridge Assoc. All Private Equity	Yes	N/A	\$563,918	\$35,937	
50	TSG8, LP	Buyout - Consumer Brands		\$193,155	\$45,000,000	\$891,419		Cambridge Assoc. All Private Equity	Yes	N/A			
51	Accel-KKR Growth Capital Partners II, LP	Growth Equity - Software Technology		\$9,701,227	\$15,000,000	\$13,353,536	\$8,254,126	Cambridge Assoc. All Private Equity	Yes	N/A			
52	Accel-KKR Growth Capital Partners III, LP	Growth Equity - Software Technology		\$2,012,456	\$33,320,000	\$2,012,456		Cambridge Assoc. All Private Equity	Yes	N/A			
53	Spectrum Equity Investors VII, LP	Growth Equity - Software Technology		\$32,657,415	\$25,000,000	\$23,500,000	\$30,029,010	Cambridge Assoc. All Private Equity	Yes	N/A			
54	Spectrum Equity Fund VIII, LP	Growth Equity - Software Technology		\$10,555,049	\$25,000,000	\$11,375,000		Cambridge Assoc. All Private Equity	Yes	N/A	\$2,625,000		

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			30, 2019)*			Date**	PRIVATE EQUITY					
55 Dyal II US Investors, LP	Other		\$17,307,147	\$35,000,000	\$28,461,560	\$6,118,146	Cambridge Assoc. All Private Equity	Yes	N/A	\$927,500		
56 Dyal Capital Partners III, LP	Other		\$18,910,642	\$35,000,000	\$24,066,392	\$11,063,870	Cambridge Assoc. All Private Equity	Yes	N/A			
57 Khosla Ventures Fund IV, LP	Venture Capital		\$2,219,570	\$10,000,000	\$9,810,000	\$11,838,065	Cambridge Assoc. All Private Equity	Yes	N/A			
58 Khosla Ventures Fund V, LP	Venture Capital		\$16,395,266	\$20,000,000	\$18,200,000	\$1,012,798	Cambridge Assoc. All Private Equity	Yes	N/A			
59 Khosla Ventures Fund VI, LP	Venture Capital		\$10,802,166	\$35,000,000	\$11,480,000		Cambridge Assoc. All Private Equity	Yes	N/A			
60 NEA 14, LP	Venture Capital		\$29,112,077	\$25,000,000	\$23,500,000	\$22,636,902	Cambridge Assoc. All Private Equity	Yes	N/A		\$1,239,974	
61 NEA 15, LP	Venture Capital		\$46,689,027	\$35,000,000	\$31,329,431	\$7,455,998	Cambridge Assoc. All Private Equity	Yes	N/A	\$350,000		
62 NEA 16, LP	Venture Capital		\$20,730,041	\$35,000,000	\$19,162,500	\$626,817	Cambridge Assoc. All Private Equity	Yes	N/A	\$350,000		
63 NEA 17, LP	Venture Capital		\$1,700,000	\$20,000,000	\$1,700,000		Cambridge Assoc. All Private Equity	Yes	N/A	\$500,000		
64 Trinity Ventures XI, LP	Venture Capital		\$40,142,586	\$25,000,000	\$22,562,500	\$4,835,385	Cambridge Assoc. All Private Equity	Yes	N/A			
65 Trinity Ventures XII, LP	Venture Capital		\$35,339,519	\$30,000,000	\$21,225,000		Cambridge Assoc. All Private Equity	Yes	N/A			
66 RCP Advisors	Buyout & Co- Investment FoF		\$9,945,161	\$75,000,000	\$10,636,394	\$386,394	Cambridge Assoc. All Private Equity	Yes	N/A	\$1,250,000		
67 Gridiron Capital Fund IV, LP	Buyout - Middle Market			\$30,000,000			Cambridge Assoc. All Private Equity	Yes	N/A			
68 Threshold Ventures III, LP	Venture Capital			\$20,000,000			Cambridge Assoc. All Private Equity	Yes	N/A			
TOTAL PRIVATE EQUITY			\$899,956,790	\$1,536,263,600	\$1,073,666,426	\$682,744,616				\$13,407,236	\$12,665,756	

			Watch	Net Asset Value	SCERS Investment /	Total Capital	Total Capital			Counter-Party	Monthly Purchases /	Monthly Sales / Capital			
	Investment Manager	Fund Type	List	(as of September 30, 2019)*	Commitment	Called to Date	Returned to Date**	Benchmark	Comply	Comply	Capital Called	Returned**	Top 10 Holdings / Notes		
		1 1		T				PUBLIC CREDIT	1		T	1			
9	Brigade SC Credit Opportunities Mandate, LLC	Strategic Credit		\$180,699,835				50% BofA Merrill Lynch High Yield Master II Constrained / 50% Credit Suisse Leveraged Loan	Yes	N/A					
	TOTAL PUBLIC CREDIT			\$180,699,835											
		PRIVATE CREDIT													
0	Athyrium Opportunities Fund II. LP	Opport. ' Credit - Healthcare		\$13,156,241	\$32,000,000	\$39,446,590	\$31,964,220	Credit Suisse Leveraged Loan + 200 bps	Yes	N/A		\$32,620			
1	Athyrium Opportunities Fund III LP	Opport. Credit - Healthcare		\$13,564,616	\$25,000,000	\$18,402,151	\$4,895,283	Credit Suisse Leveraged Loan + 200 bps	Yes	N/A					
	OrbiMed Royalty & Credit Opportunities, L.P.	Opport. Credit - Healthcare		\$1,750,000	\$35,000,000	\$1,750,000		Credit Suisse Leveraged Loan + 200 bps	Yes	N/A	\$1,750,000				
3	Summit Partners Credit Fund I, LP	Direct Lending		\$2,169,110	\$20,000,000	\$24,939,499	\$28,960,537	Credit Suisse Leveraged Loan + 200 bps	Yes	N/A		\$593,212			
	Summit Partners Credit Fund II, LP	Direct Lending		\$28,608,480	\$35,000,000	\$48,213,011	\$27,016,906	Credit Suisse Leveraged Loan + 200 bps	Yes	N/A		\$881,735			
5	Summit Partners Credit Fund III LP	, Direct Lending		\$13,998,376	\$50,000,000	\$16,311,377	\$14,913,432	Credit Suisse Leveraged Loan + 200 bps	Yes	N/A	\$1,943,741	\$155,175			
	Tennenbaum Capital Partners Direct Lending Fund VIII	Direct Lending		\$58,949,099	\$100,000,000	\$60,634,337	\$4,399,483	Credit Suisse Leveraged Loan + 200 bps	Yes	N/A		\$1,799,798			
	Benefit Street Partners Senior Secured Opportunities Fund, Ll	Direct P Lending		\$45,793,523	\$50,000,000	\$47,524,698	\$5,026,663	Credit Suisse Leveraged Loan + 200 bps	Yes	N/A					
3	IFM U.S. Infrastructure Debt Fund, LP	Direct Lending			\$40,000,000			Credit Suisse Leveraged Loan + 200 bps	Yes	N/A					
	TOTAL PRIVATE CREDIT			\$177,989,445	\$347,000,000	\$257,221,662	\$117,176,523				\$3,693,741	\$3,462,539			

TOTAL GROWTH ASSET CATEGORY

Monthly Investment Manager Activity, Compliance, and Watch List Report September 30, 2019

\$5,536,461,809

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					G	ROWTH ABSOLUTE R	ETURN				
Grosvenor SC Absolute Return Fund, Series G (SCARF-G)	Separate Account	\$154,877,80	5			HFRI FOF Composite Index +100 bps	Yes	Yes			
Lakewood Capital Partners, LP	Equity Long/Short	\$44,332,86	0			HFRI FOF Composite Index +100 bps	Yes	Yes			
Jana Partners Qualified, LP	Event Driven	\$2,834,18	6			HFRI FOF Composite Index +100 bps	Yes	Yes			Redeemed investment with Jana Partners. Received 90% of the account value, approximately \$34 million, with the remaining balance to be received following audit of the fund.
Third Point Partners Qualified, LP	Event Driven	\$50,949,3	5			HFRI FOF Composite Index +100 bps	Yes	Yes			
Och-Ziff Domestic Partners Fund II, LP	Multi- Strategy	\$51,021,90	0			HFRI FOF Composite Index +100 bps	Yes	Yes			
TOTAL GROWTH ABSOLUTE RETURN		\$304,016,00	6								
	Grosvenor SC Absolute Return Fund, Series G (SCARF-G) Lakewood Capital Partners, LP Jana Partners Qualified, LP Third Point Partners Qualified, LP Och-Ziff Domestic Partners Fund II, LP	Grosvenor SC Absolute Return Fund, Series G (SCARF-G) Lakewood Capital Partners, LP Lakewood Capital Partners, LP Jana Partners Qualified, LP Third Point Partners Qualified, LP Och-Ziff Domestic Partners Fund II, LP Strategy	Investment Manager Fund Type Watch List (as of Septembra, 30, 2019)* Grosvenor SC Absolute Return Fund, Series G (SCARF-G) Lakewood Capital Partners, LP Separate Account Separate Account Separate Account Separate Account Separate Account State, 877,80 \$44,332,86 Lakewood Capital Partners, LP Equity Long/Short Separate Account State, 877,80 State,	Investment Manager Fund Type Watch List (as of September 30, 2019)* SCERS Investment / Commitment Commitment Separate Account Lakewood Capital Partners, LP Lakewood Capital Partners, LP Long/Short Jana Partners Qualified, LP Third Point Partners Qualified, LP Coch-Ziff Domestic Partners Multi-Strategy SCERS Investment / Commitment SCERS Investment / Commitment SCERS Investment / Commitment / Commitment SCERS Investment / Commitment / Commi	Investment Manager Fund Type Watch List (as of September 30, 2019)* SCERS Investment / Commitment Called to Date Grosvenor SC Absolute Return Fund, Series G (SCARF-G) Lakewood Capital Partners, LP Lakewood Capital Partners, LP Long/Short Separate Account \$44,332,860 Jana Partners Qualified, LP Event Driven Third Point Partners Qualified, LP Coch-Ziff Domestic Partners Fund II, LP Watch List (as of September 30, 2019)* SCERS Investment / Commitment / Called to Date States Account \$5154,877,805 \$44,332,860 \$52,834,186 Coch-Ziff Domestic Partners Fund II, LP Multi-Strategy	Investment Manager Fund Type Watch List (as of September 30, 2019)* SCERS Investment / Commitment Total Capital Return Commitment Co	Investment Manager Fund Type Walch List (as of September 30, 2019)* SCENS Investment / Called to Date Returned to Date**	Investment Manager Fund Type Warch List (as of September 30, 2019)* Commitment Commitment Called to Date Returned to Date** Comply GROWTH ABSOLUTE RETURN HFRI FOF Composite Index +100 bps Lakewood Capital Partners, LP Equity Long/Short Lakewood Capital Partners, LP Event Driven Third Point Partners Qualified, LP Composite Index +100 bps HFRI FOF Composite Index +100 bps Third Point Partners Qualified, LP Coch-Ziff Domestic Partners Fund II, LP Strategy Multi- Strategy Strategy Strategy Strategy Strategy Strategy Commitment Commitment Commitment Commitment Commitment Commitment Commitment Codled to Date Returned to Date Separate Account HFRI FOF Composite Index +100 bps HFRI FOF Composite Index +100 bps HFRI FOF Composite Index +100 bps	Investment Manager Fund Type Watch (as of September 30, 2019)** Commitment Called to Date Returned to Date** Comply Comply Comply Commitment Called to Date Returned to Date** Comply Comply Complete to Date** Pes Yes Yes Yes Yes Yes Third Point Partners Qualified, LP Composite Index +100 bps Composite Index +100 bps Yes Yes Yes Yes Composite Index +100 bps	Investment Manager Fund Type Watch List (as of September 30, 2019)* Commitment Commitment Commitment Commitment Commitment Comply Compliant Called to Date Fell Called to Date Fell Called Test For Composite Index Yes Yes Yes Yes Yes Och-Ziff Domestic Partners Fund II, LP Strategy Stage Fund Type Compliant Called to Date Fell Called Test For Composite Index Yes Yes Yes Yes Yes Yes Yes Y	Investment Manager Fund Type Watch List (as of September 30, 2019)** Commitment Commitment

\$128,004,121

\$124,927,690

#	Investment Manager	Fund Type	Watch List	Net Asset Value (as of September 30, 2019)*	SCERS Investment / Commitment	Total Capital Called to Date	Total Capital Returned to Date**	Benchmark	Comply	Counter-Party Comply	Monthly Purchases / Capital Called	Monthly Sales / Capital Returned**	Top 10 Holdings / Notes
								ERSIFYING ABSOLUT	E RETURN				
84	Grosvenor SC Absolute Return Fund, Series D (SCARF-D)	Separate Account		\$118,471,292				HFRI FOF Conservative Index	Yes	Yes			
85	Grosvenor SC Absolute Return Fund, Series B (SCARF-B)	Interim Separate Account		\$149,148,028				HFRI FoF Conservative Index	Yes	Yes			
86	Elliott Associates, LP	Event Driven		\$54,988,082				HFRI FoF Conservative Index	Yes	Yes			
88	Laurion Capital Management, LP	Market Neutral - Vol/Arb		\$48,526,220				HFRI FoF Conservative Index	Yes	Yes			
89	AQR DELTA Fund II, LP	Multi- Strategy		\$45,145,710				HFRI FoF Conservative Index	Yes	Yes		\$12,500,000	Partial redemption from AQR Delta Fund II
89	Winton Diversified Futures Fund, LP	Systematic Global Macro		\$40,404,210				HFRI FoF Conservative Index	Yes	Yes			
90	Graham Global Investment Fund II SPC, Ltd	Systematic Global Macro		\$34,951,294				HFRI FoF Conservative Index	Yes	Yes			
90	Marshall Wace Global Opportunities Fund	Equity Long/Short		\$41,155,247				HFRI FoF Conservative Index	Yes	Yes			
91	KLS Diversified Fund, LP	Fixed Income Arbitrage		\$40,697,760				HFRI FoF Conservative Index	Yes	Yes			
91	Davidson Kempner Institutional Partners, L.P	Fixed Income Arbitrage		\$33,029,391				HFRI FoF Conservative Index	Yes	Yes			
	TOTAL DIVERSIFYING ABSOLUTE RETURN			\$606,517,235								\$12,500,000	

#	Investment Manager	Fund Type	Watch List	Net Asset Value (as of September 30, 2019)*	SCERS Investment / Commitment	Total Capital Called to Date	Total Capital Returned to Date**	Benchmark	Comply	Counter-Party Comply	Monthly Purchases / Capital Called	Monthly Sales / Capital Returned**	Top 10 Holdings / Notes
								PUBLIC FIXED INCO	ME				
92	Neuberger Investment Management	U.S. Treasury		\$467,844,065				Barclays U.S. Treasury	Yes	N/A	\$13,905,783	\$12,250,164	Us Treasury N/B, Us Treasury N/B
93	TCW MetWest Asset Management	Core Plus		\$461,682,993				Barclays U.S. Aggregate Bond	Yes	N/A	\$208,187,110	\$197,520,535	Fnma Tba 30 Yr 3, Us Treasury N/B, State Street Bank + Trust Co, Us Treasury N/B, Gnma li Tba 30 Yr 3, Metropolitan West Floating Rat Monthly Purchases and Sales excludes derivative transactions.
94	Prudential Investment Management	Core Plus		\$484,639,441				Barclays U.S. Aggregate Bond	Yes	N/A	\$51,963,892	\$45,653,078	B8A4Lnzs0 Irs Usd R V 03Mlibor, S8A6Ew5F4 Irs Usd R F 2.32800, Us Treasury N/B, 88A5C9Jh0 Irs Usd R V 03Mlibor, Strip Princ, S8A68Lwx6 Irs Usd R F 2.40500, B8A4Rleb8 Irs Usd R V 03Mlibor, S8A714E92 Irs Usd R F 1.60420, Us Dollar, B8A4Lnzn1 Irs Usd R V 03Mlibor Monthly Purchases and Sales excludes derivative transactions.
95	Brandywine Global Investment Management	Global		\$248,713,210				80% Citigroup WGBI exU.S. / 20% JP Morgan GBI EM Diversified	Yes	N/A	\$39,826,374	\$509,404	Us Treasury Frn Ftt 04/30/21, Us Treasury N/B 3% 02/15/49, Us Treasury Frn Ftt 07/31/21, Us Treasury N/B 2.625% 02/15/29, Mexican Bonos 7.75% 11/13/42, Mexican Bonos 8.5% 11/18/38, Mexican Bonos 8.5% 05/31/29, Colombia Tes 6% 04/28/28, Us Treasury N/B 2.875% 05/15/49, Australian Govt. 2.75% 10/21/19
	TOTAL FIXED INCOME			\$1,662,879,708							\$313,883,159	\$255,933,181	
	•	•		•					•		•		
101	AL DIVERSIFYING ASSET CATEGOR	RY		\$2,269,396,943							\$313,883,159	\$268,433,181	

#	Investment Manager	Fund Type	Watch List	Net Asset Value (as of September 30, 2019)*	SCERS Investment / Commitment	Total Capital Called to Date	Total Capital Returned to Date**	Benchmark	Comply	Counter-Party Comply	Monthly Purchases / Capital Called	Monthly Sales / Capital Returned**	Top 10 Holdings / Notes
								CORE REAL ESTA	TE				
96		Real Estate - Core Separate Account		\$3,023,623				NFI-ODCE Index	Yes	N/A			Assets sold as part of real estate separate account transition. Completed the sale of Block 295 (Leland James Center). Remaining balance is for final audit confirmation and closing fees.
97	Rarings (formerly Cornerstone)	Real Estate - Core Separate Account		\$340,472				NFI-ODCE Index	Yes	N/A			Assets sold as part of real estate separate account transition.
98	Brookfield Premier Real Estate Partners, LP	Real Estate - Core		\$101,691,652				NFI-ODCE Index	Yes	N/A			
99	Clarion Lion Properties Fund, LP	Real Estate - Core		\$154,292,084				NFI-ODCE Index	Yes	N/A			
100	Jamestown Premier Property Fund, LP	Real Estate - Core / Core Plus		\$18,397,265				NFI-ODCE Index	Yes	N/A			
101	MetLife Core Property Fund	Real Estate - Core		\$61,816,899				NFI-ODCE Index	Yes	N/A			
102	Prime Property Fund, LLC	Real Estate - Core		\$62,145,789				NFI-ODCE Index	Yes	N/A			
103	Principal US Property Account	Real Estate - Core		\$47,796,210				NFI-ODCE Index	Yes	N/A			
104	Prologis Targeted Europe Logistics Fund, LP	Real Estate - Core		\$54,070,881				NFI-ODCE Index	Yes	N/A			Fund is denominated in Euros, which will then be converted to US dollars based on the exchange rate at the time of the transaction.
105	Prologis Targeted US Logistics Fund, LP	Real Estate - Core		\$72,981,596				NFI-ODCE Index	Yes	N/A			
106	Townsend Real Estate Fund, LP	Real Estate - Core		\$115,592,246				NFI-ODCE Index	Yes	N/A			
	TOTAL CORE REAL ESTATE			\$692,148,717									

#	Investment Manager	Fund Type	Watch List	Net Asset Value (as of September 30, 2019)*	SCERS Investment / Commitment	Total Capital Called to Date	Total Capital Returned to Date**	Benchmark	Comply	Counter-Party Comply	Monthly Purchases / Capital Called	Monthly Sales / Capital Returned**	Top 10 Holdings / Notes
	NON-CORE REAL ESTATE												
107	DRC European Real Estate Debt Fund II, LP	Real Estate - Value Add Debt		\$8,604,741	\$50,000,000	\$80,487,528	\$75,933,822	NFI-ODCE + 100 bps	Yes	N/A			Fund is denominated in UK pound sterling and has been converted to US dollars based on the exchange rate at the time of the transaction.
108	Carlyle China Realty, LP	Real Estate - Opport.	YES	\$7,524,129	\$10,000,000	\$9,180,997	\$1,593,478	NFI-ODCE + 100 bps	Yes	N/A			
109	Carlyle China Rome Logistics, P	Real Estate - Opport.	YES	\$32,959,798	\$40,000,000	\$34,718,007	\$2,566,008	NFI-ODCE + 100 bps	Yes	N/A			
110	CIM Opportunity Fund VIII, LP	Real Estate - Opport.		\$40,426,992	\$35,000,000	\$42,481,517	\$10,716,456	NFI-ODCE + 100 bps	Yes	N/A			
	KKR Real Estate Partners Americas, LP	Real Estate - Opport.		\$7,064,235	\$35,000,000	\$31,511,178	\$36,114,284	NFI-ODCE + 100 bps	Yes	N/A			
112	Och-Ziff Real Estate Fund III, LP	Real Estate - Opport.		\$13,630,859	\$35,000,000	\$24,295,686	\$21,571,074	NFI-ODCE + 100 bps	Yes	N/A			
113	Allegis Value Trust	Real Estate - Value Add		\$172,378	\$25,000,000	\$25,000,000	\$29,159,000	NFI-ODCE + 100 bps	Yes	N/A			The fund has reached the end of its term. Allegis Value Trust has been undergoing an orderly sale of the assets and extended the closing of the fund until 2018.
	ECE European Prime Shopping Centre Fund II, SCS SIF	Real Estate - Value Add		\$22,671,122	\$35,000,000	\$21,441,493	\$2,415,445	NFI-ODCE + 100 bps	Yes	N/A			Fund is denominated in Euros, which will then be converted to US dollars based on the exchange rate at the time of the transaction.
115	Hammes Partners II, LP	Real Estate - Value Add		\$16,805,664	\$25,000,000	\$26,289,114	\$16,381,048	NFI-ODCE + 100 bps	Yes	N/A		\$31,392	
116	Hammes Partners III, L.P.	Real Estate - Value Add		\$1,453,762	\$31,250,000	\$2,241,978	\$265,673	NFI-ODCE + 100 bps	Yes	N/A		\$91,790	
117	Hines US Office Value Fund II, P	Real Estate - Value Add		\$2,765	\$22,572,950	\$21,726,796	\$17,417,672	NFI-ODCE + 100 bps	Yes	N/A		\$24,158	The fund has reached the end of its term. Hines completed the final disposition of assets. The net asset value represents the leftover cash.
118	NREP Nordic Strategies Fund, FCP-FIS	Real Estate - Value Add		\$7,328,133	\$25,000,000	\$23,320,832	\$26,923,309	NFI-ODCE + 100 bps	Yes	N/A			Fund is denominated in Euros, which will then be converted to US dollars based on the exchange rate at the time of the transaction.
119	NREP Nordic Strategies Fund II, SCSp	Real Estate - Value Add		\$31,733,267	\$35,000,000	\$28,496,392	\$4,200,456	NFI-ODCE + 100 bps	Yes	N/A			Fund is denominated in Euros, which will then be converted to US dollars based on the exchange rate at the time of the transaction.
120	NREP Nordic Strategies Fund III, SCSp	Real Estate - Value Add		\$7,515,483	\$40,000,000	\$7,666,353		NFI-ODCE + 100 bps	Yes	N/A			Fund is denominated in Euros, which will then be converted to US dollars based on the exchange rate at the time of the transaction.
121	Asana Partners Fund II, LP	Real Estate - Value Add		\$534,459	\$40,000,000	\$918,750		NFI-ODCE + 100 bps	Yes	N/A	\$656,250		
	OTAL NON-CORE REAL ESTATE			\$197,893,328	\$443,822,950	\$378,857,872	\$245,257,724					\$147,340	
	OTAL REAL ESTATE			\$890,042,045	\$443,822,950	\$378,857,872	\$245,257,724					\$147,340	

Monthly Investment Manager Activity, Compliance, and Watch List Report

September 30, 2019

# Investment Manager	Fund Type	Watch (as	et Asset Value s of September 30, 2019)*	SCERS Investment / Commitment	Total Capital Called to Date	Total Capital Returned to Date**	Benchmark	Comply	Counter-Party Comply	Monthly Purchases / Capital Called	Monthly Sales / Capital Returned**	Top 10 Holdings / Notes
	REAL ASSETS											
122 ACM Fund II, LLC	Real Assets - Agriculture		\$16,648,371	\$25,000,000	\$22,618,410	\$4,596,346	Blended Index***	Yes	N/A			
123 ArcLight Energy Partners VI, LP	Energy - Midstream		\$37,660,611	\$40,000,000	\$42,665,239	\$15,766,744	Blended Index***	Yes	N/A			
124 EnCap Flatrock Midstream III, LP	Energy - Midstream		\$16,705,977	\$20,000,000	\$22,211,700	\$10,142,742	Blended Index***	Yes	N/A	\$267,867	\$161,087	
125 EnCap Flatrock Midstream Fund IV, LP	Energy - Midstream		\$6,813,442	\$22,500,000	\$8,594,751	\$2,351,682	Blended Index***	Yes	N/A			
126 Quantum Energy Partners VI, LP	Energy - Midstream		\$31,756,854	\$35,000,000	\$30,451,451	\$18,077,230	Blended Index***	Yes	N/A			
Quantum Energy Partners VII, LP	Energy - Midstream		\$18,554,484	\$40,000,000	\$20,338,855	\$2,415,366	Blended Index***	Yes	N/A			
128 EnCap Energy Capital Fund IX, LP	Energy - Upstream		\$20,858,696	\$33,000,000	\$37,039,582	\$27,983,492	Blended Index***	Yes	N/A			
129 EnCap Energy Capital Fund X, LP	Energy - Upstream		\$35,588,118	\$40,000,000	\$35,772,462	\$7,176,447	Blended Index***	Yes	N/A			
130 First Reserve Energy Infrastructure II, LP	Energy Infrastruc.		\$27,354,119	\$35,000,000	\$36,453,163	\$21,697,053	Blended Index***	Yes	N/A		\$432,491	
131 Carlyle Power Partners II, LP	Energy - Power		\$20,423,346	\$40,000,000	\$28,500,974	\$11,089,058	Blended Index***	Yes	N/A			
132 Brookfield Infrastructure Fund III, LP	Infrastruc Core		\$30,567,524	\$40,000,000	\$32,031,911	\$6,548,098	Blended Index***	Yes	N/A		\$124,430	
133 IFM Global Infrastructure Fund (US), LP	Infrastruc Core		\$103,610,459	\$125,000,000	\$106,250,000	\$32,529,013	Blended Index***	Yes	N/A			
Meridiam Infrastructure North America III, LP	Infrastruc Core		\$677,859	\$50,000,000	\$2,039,463		Blended Index***	Yes	N/A			
135 Wastewater Opportunity Fund, LP	Infrastruc Water/ Wastewate		\$18,092,878	\$25,000,000	\$20,793,974	\$2,137,666	Blended Index***	Yes	N/A			
Pantheon SCERS Secondary Infrastructure, LLC	Infrastruc Secondary Separate Account		\$86,807,371	\$100,000,000	\$71,531,683	\$13,300,000	Blended Index***	Yes	N/A		\$4,000,000	

^{***} Real Assets Blended Index: 45% Cambridge Private Infrastructure, 35% Cambridge Private Energy, 10% NCREIF Agriculture, 10% NCREIF Timber

#	Investment Manager	Fund Type	Watch List	Net Asset Value (as of September 30, 2019)*	SCERS Investment / Commitment	Total Capital Called to Date	Total Capital Returned to Date**	Benchmark	Comply	Counter-Party Comply	Monthly Purchases / Capital Called	Monthly Sales / Capital Returned**	Top 10 Holdings / Notes
	REAL ASSETS												
137	Atalaya SCERS SMA, LLC	Asset Backed Lending Separate Account		\$17,143,921	\$100,000,000	\$37,288,533	\$26,888,949	Blended Index***	Yes	N/A			
138	Tailwater Energy Fund III, LP	Energy - Midstream Infrastruc.		\$23,204,835	\$32,000,000	\$14,011,433		Blended Index***	Yes	N/A			
139	ISQ Global Infrastructure Fund II, LP	Infrastruc Value Add		\$17,776,755	\$50,000,000	\$19,708,579	\$3,054,061	Blended Index***	Yes	N/A	\$4,069,599		
140	Paine Schwartz Food Chain Fund V, LP	Agriculture		(\$466,892)	\$40,000,000			Blended Index***	Yes	N/A			
141	EQT Infrastructure Fund IV, SCSp	Infrastruc Value Add		\$3,914,249	\$35,000,000	\$4,164,325		Blended Index***	Yes	N/A			
142	Brookfield Infrastructure Fund IV, L.P.	Infrastruc Value Add		\$4,871,624	\$40,000,000	\$4,888,333		Blended Index***	Yes	N/A	\$4,888,333		
143	SSgA Real Asset Strategy Proxy	Real Assets Overlay		\$215,794,978				Blend of weighted real return asset class benchmarks.	Yes	N/A	\$1,839,827	\$38,613,166	Proxy returned capital as part of the quarter-end rebalance.
	TOTAL PRIVATE REAL ASSETS			\$754,359,579	\$967,500,000	\$597,354,820	\$205,753,948				\$11,065,626	\$43,331,174	

^{***} Real Assets Blended Index: 45% Cambridge Private Infrastructure, 35% Cambridge Private Energy, 10% NCREIF Agriculture, 10% NCREIF Timber

TOTAL REAL RETURN ASSET CATEGORY	\$1,644,401,624				\$11,065,626	\$43,478,514	

#	Investment Manager	Fund Type	Watch List	Net Asset Value (as of September 30, 2019)*	SCERS Investment / Commitment	Total Capital Called to Date	Total Capital Returned to Date**	Benchmark	Comply	Counter-Party Comply	Monthly Purchases / Capital Called	Monthly Sales / Capital Returned**	Top 10 Holdings / Notes
	OPPORTUNITIES												
145	Atalaya Special Opportunities Fund V, LP	Distressed Debt - US		\$7,087,829	\$25,000,000	\$24,875,000	\$23,823,688	Cambridge Assoc. All PE	Yes	N/A		\$791,139	
	TOTAL OPPORTUNTIES			\$7,087,829	\$25,000,000	\$24,875,000	\$23,823,688					\$791,139	
	SHORT-TERM SHORT-TERM												
146	State Street Global Advisors - STIF (Cash Account)	Cash		\$203,626,044				91 Day T-Bill	Yes	N/A	\$25,877,909	\$92,904,046	Unallocated cash is swept into a short-term investment fund.
147	State Street DDA - Dedicated Cash Account	Cash		\$95,179,584				Overnight LIBOR	Yes	N/A			Dedicated cash allocation established at the beginning of Q3 2019, with the adjustment to the Strategic Asset Allocation approved June 2019.
	TOTAL SHORT-TERM			\$298,805,628							\$25,877,909	\$92,904,046	
								FUTURES OVERLA	Υ				
148	State Street Global Advisors (Futures Overlay)	Overlay		\$134,627,755				Target Asset Allocation	Yes	N/A	\$150,166,132	\$89,435,781	State Street Bank + Trust Co, Gnma li Tba 30 Yr 3.5, Fnma Tba 15 Yr 2.5, Fnma Tba 30 Yr 4, Fnma Tba 30 Yr 3, Fnma Tba 30 Yr 3.5, Euro Currency, Pound Sterling, Canadian Dollar, Australian Dollar
	TOTAL FUTURES OVERLAY			\$134,627,755							\$150,166,132	\$89,435,781	
SCE	RS TOTAL PORTFOLIO			\$9,890,781,588	\$3,319,586,550	\$2,331,975,780	\$1,274,756,499				\$628,996,948	\$619,970,351	

INVESTMENT MANAGER WATCH LIST WITH COMMENTARY

September 30, 2019

#	Investment Manager	Fund Type	Reason	Effective (month - year)	Commentary
	AQR Capital Management, Delta Fund II	Diversifying Absolute Return	Performance	Sep-19	AQR Delta Fund's recent performance has been negative and significantly underperformed SCERS' Absolute Return benchmarks. Calendar year 2018 performance was -15.7% and 2019 YTD performance is -5.9%. Recent negative performance has impacted longer term returns with 3 and 5 year annualized returns of -4.6% and+0.3%. The fund has also experienced significant outflows over the past year.