



Board of Retirement Regular Meeting

Sacramento County Employees' Retirement System

Agenda Item 7

MEETING DATE: June 21, 2017

SUBJECT: Monthly Investment Manager Activity, Compliance and Watch List Reports - April and May 2017

SUBMITTED FOR: Consent Deliberation and Action Receive and File

RECOMMENDATION

Staff recommends the Board receive and file the Monthly Investment Manager Activity, Compliance and Watch List reports for April and May 2017.

PURPOSE

To comply with SCERS' investment policy statement reporting requirements.

DISCUSSION

Reports for the months of April and May 2017 are provided, as the information for April was unavailable to report at the Board's Special Meeting held May 11, 2017. A separate section for SCERS's Private Credit managers has been added to the reports.

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

As of May 31, 2017, investment managers on the Watch List include:

1. Brown Advisory (Large Cap Growth).
2. Huber Capital Management (Large Cap Value).
3. Och-Ziff Capital Management (Absolute Return and Opportunities-Real Estate).
4. Weatherbie Capital Management (Small Cap Growth).

No changes in manager status are recommended at this time. Staff and the investment consultants will continue to monitor the performance and/or organizations concerns and advise when satisfactorily resolved.

ATTACHMENTS

Monthly Investment Manager Activity, Compliance and Watch List Reports - April & May 2017
Watch List With Commentary Report – May 2017

Prepared by:

JR Pearce
Investment Officer

Reviewed by:

Steve Davis
Chief Investment Officer

Annette St. Urbain
Interim Chief Executive Officer

| # | Investment Manager | Fund Type | Watch List | Net Asset Value (as of April 30, 2017)* | 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 EQUITY | | | | | | | | | | | | | |
| 1 | JP Morgan Asset Management | Equity 130/30 | | \$107,689,839 | | | | S&P 500 + 100 bps | Yes | N/A | \$13,251,423 | \$14,470,767 | Alphabet, Apple, UnitedHealth Group, Microsoft, Walt Disney, Pfizer, Citigroup, Broadcom Ltd, Chubb Limited, EOG Resources |
| 2 | Eagle Capital Management | Large Cap Core | | \$220,806,400 | | | | Russell 1000 + 100 bps | Yes | N/A | \$183,162 | | Berkshire Hathaway Inc Cl B, Oracle Corp, Microsoft Corp, Alphabet Inc Cl C, Liberty Global Plc C, Amazon.Com Inc, Aon Plc, Ecolab Inc, Citigroup Inc, Jpmorgan Chase + Co |
| 3 | Brown Advisory | Large Cap Growth | YES | \$110,309,646 | | | | Russell 1000 Growth + 100 bps | Yes | N/A | \$6,472,718 | \$6,012,988 | Amazon.Com Inc, Visa Inc Class A Shares, State Street Bank + Trust Co, Facebook Inc A, Adobe Systems Inc, Intuitive Surgical Inc, Costco Wholesale Corp, Amphenol Corp Cl A, Ecolab Inc, Alphabet Inc Cl C |
| 4 | Alliance Bernstein | Large Cap Passive | | \$1,051,494,489 | | | | Russell 1000 | Yes | N/A | \$2,923,217 | \$992,745 | Apple Inc, Microsoft Corp, Amazon.Com Inc, Johnson + Johnson, Exxon Mobil Corp, Facebook Inc A, Jpmorgan Chase + Co, Berkshire Hathaway Inc Cl B, Alphabet Inc Cl A, Alphabet Inc Cl C |
| 5 | Huber Capital Management | Large Cap Value | YES | \$108,289,764 | | | | Russell 1000 Value + 100 bps | Yes | N/A | \$2,908,493 | \$2,847,054 | Kbr Inc, Citigroup Inc, Herbalife Ltd, Ca Inc, Cno Financial Group Inc, Microsoft Corp, Jpmorgan Chase + Co, Pfizer Inc, Philip Morris International, Bank Of America Corp |
| 6 | CenterSquare Investment Management (formerly Urdang) | REIT - US | | \$94,075,717 | | | | NAREIT + 100 bps | Yes | N/A | \$6,644,892 | \$6,165,295 | Simon Property Group Inc, Equinix Inc, Avalonbay Communities Inc, Prologis Inc, Boston Properties Inc, Vornado Realty Trust, Cubesmart, Douglas Emmett Inc, Hcp Inc, Store Capital Corp |
| 7 | Weatherbie Capital | Small Cap Growth | YES | \$89,497,763 | | | | Russell 2000 Growth + 150 bps | Yes | N/A | \$5,507,917 | \$5,795,383 | Firstservice Corp, State Street Bank + Trust Co, Stamps.Com Inc, Ultimate Software Group Inc, Middleby Corp, Wayfair Inc Class A, Paylocity Holding Corp, Macom Technology Solutions H, Insulet Corp, Ebix Inc |
| 8 | UBS Global Asset Management | Small Cap Growth | | \$65,412,108 | | | | Russell 2000 Growth + 150 bps | Yes | N/A | \$1,436,150 | \$2,509,551 | Wix.Com Ltd, Exact Sciences Corp, Universal Display Corp, State Street Bank + Trust Co, Burlington Stores Inc, Ollie S Bargain Outlet Holdi, Grand Canyon Education Inc, Proofpoint Inc, 8X8 Inc, Enersys |
| 9 | Dalton, Greiner, Hartman, Maher | Small Cap Value | | \$78,109,652 | | | | Russell 2000 Value + 150 bps | Yes | N/A | \$4,980,734 | \$5,490,615 | State Street Bank + Trust Co, Brandywine Realty Trust, Ipg Photonics Corp, Kennedy Wilson Holdings Inc, Sandy Spring Bancorp Inc, Radian Group Inc, Hancock Holding Co, Ptc Inc, Netscout Systems Inc, Fulton Financial Corp |
| 10 | Wedge Capital Management | Small Cap Value | | \$87,911,777 | | | | Russell 2000 Value + 150 bps | Yes | N/A | \$2,091,143 | \$1,858,175 | State Street Bank + Trust Co, Treehouse Foods Inc, Dupont Fabros Technology, Stag Industrial Inc, Prosperity Bancshares Inc, Dana Inc, Cullen/Frost Bankers Inc |
| 11 | TOTAL DOMESTIC EQUITY | | | \$2,013,597,156 | | | | | | | \$46,399,850 | \$46,142,572 | |

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| INTERNATIONAL EQUITY | | | | | | | | | | | | | |
| 12 | Lazard Asset Management | ACWI ex-US | | \$430,766,393 | | | | MSCI ACWI Ex-US + 100 bps | Yes | N/A | \$17,549,014 | \$14,694,500 | Lazard Emerging Markets Equity, State Street Bank + Trust Co, Prudential Plc, Daiwa House Industry Co Ltd, British American Tobacco Plc, Sampo Oyj A Shs, Valeo Sa, Don Quijote Holdings Co Ltd, Shire Plc, Carlsberg As B |
| 13 | LSV Asset Management | Developed Large Cap Value | | \$478,220,290 | | | | MSCI World Ex-US + 100 bps | Yes | N/A | \$4,702,338 | \$1,929,752 | Sanofi, Nippon Telegraph + Telephone, Bp Plc, Swiss Life Holding Ag Reg, Bae Systems Plc, Roche Holding Ag Genusschein, Swiss Re Ag, Glaxosmithkline Plc, Basf Se, Total Sa |
| 14 | Walter Scott International EAFE Income Growth | Developed Large Cap Growth | | \$400,296,032 | | | | MSCI World Ex-US + 100 bps | Yes | N/A | \$3,239,072 | \$2,175,187 | Aia Group Ltd, Keyence Corp, State Street Bank + Trust Co, Adidas Ag, Coloplast B, Industria De Diseno Textil, Smc Corp, Lvmh Moet Hennessy Louis Vui, Whitbread Plc, Essilor International |
| 15 | William Blair International Small Cap | Developed Small Cap Growth | | \$112,997,218 | | | | MSCI Small Cap World ex-US + 150 bps | Yes | N/A | \$9,140,084 | \$7,918,206 | Cts Eventim Ag & Co Kгаа , Wix.Com Ltd , Udg Healthcare Plc , Shawcor Ltd , Udg Healthcare Plc , Sartorius Stedim Biotech , Minebea Mitsumi Inc , Halma Plc , Spirax-Sarco Engineering Plc , Shawcor Ltd |
| 16 | Mondrian International Small Cap | Developed Small Cap Value | | \$98,137,454 | | | | MSCI Small Cap World ex-US + 150 bps | Yes | N/A | \$87,762 | \$311,508 | MTU Aero Engines AG Registered, Croda International PLC, Spirax-Sarco Engineering PLC, Auckland International Airport Ltd, SATS Ltd, Mercury NZ Ltd, Nexteer Automotive Group Ltd, Nifco Inc, Rubis SCA, AF AB B Shares |
| 17 | Ballie Gifford EM All Cap | Emerging Market - All Cap | | \$153,894,139 | | | | MSCI Emerging Markets + 150 bps | Yes | N/A | | | Tencent Holdings, Taiwan Semicon.Mnfg., Alibaba Group Hldg.Spn. Adr 1:1, Reliance Industries, Samsung Electronics, Naspers, Ping An Insurance 'H', Housing Development Fin., Sberbank Of Russia (Lon) Adr, Samsung Eltn.Pref. |
| 18 | Mondrian EM All Cap | Emerging Market - All Cap | | \$141,528,824 | | | | MSCI Emerging Markets + 150 bps | Yes | N/A | \$2,470,472 | \$3,179,974 | Samsung Electronics Co Ltd, Taiwan Semiconductor Manufacturing Ltd, WH Group Ltd, China Construction Bank Corp Class H, China Mobile Ltd, SK Telecom Co Ltd, Gazprom PJSC Sponsored ADR, Fibra Uno Administracion SA, Shinhan Financial Group Ltd, Bajaj Auto Ltd |
| 19 | Mondrian EM Small Cap | Emerging Market - Small Cap | | \$25,609,877 | | | | MSCI Emerging Markets Small Cap + 150 basis points | Yes | N/A | \$365,488 | \$968,150 | Berger Paints India Ltd, Dialog Group Bhd, Varun Beverages Ltd, Medy-Tox Inc, Siloam International Hospitals, Nexteer Automotive Group Ltd, Nippon Indosari Corpindo Tbk PT, Apollo Hospitals Enterprise Ltd, Major Cineplex Group PCL - Foreign, QL Resources Bhd |
| 20 | William Blair EM Small Cap | Emerging Market - Small Cap | | \$26,801,153 | | | | MSCI Emerging Markets Small Cap + 150 basis points | Yes | N/A | | | China Everbright Intl Ltd , China Everbright Intl Ltd , Iguatemi Emp De Shopping , Koh Young Technology Inc , Kap Industrial Holdings Ltd , Globaltra-Spons Gdr Reg S , China Everbright Intl Ltd , China Everbright Intl Ltd , Kingboard Laminates Hldg Ltd , Aselsan Elektronik Sanayi |
| 21 | CBRE Clarion Securities | REIT - Internat'l | | \$81,447,093 | | | | NAREIT Global ex-US Real Estate + 100 bps | Yes | N/A | \$8,518,935 | \$7,792,946 | Cheung Kong Property Holding, Mitsui Fudosan Co Ltd, Scentre Group, Unibail Rodamco Se, Link Reit, Mitsubishi Estate Co Ltd, Sun Hung Kai Properties, Hang Lung Properties Ltd, Orix Jreit Inc, Charter Hall Retail Reit |
| 22 | TOTAL INTERNATIONAL EQUITY | | | \$1,949,698,472 | | | | | | | \$46,073,166 | \$38,970,223 | |

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| FIXED INCOME | | | | | | | | | | | | | |
| 23 | Neuberger Investment Management | Enhanced Index | | \$351,423,647 | | | | Barclays Aggregate Bond + 25 bps | Yes | N/A | \$35,439,599 | \$32,585,141 | State Street Bank + Trust Co, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B |
| 24 | Metropolitan West Asset Management | Core Plus | | \$372,645,608 | | | | Barclays Aggregate Bond + 70 bps | Yes | N/A | \$140,471,738 | \$103,852,718 | State Street Bank + Trust Co, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Metropolitan West High Yield B, Fnma Tba 30 Yr 4.5, Us Treasury N/B, Fnma Tba 30 Yr 3 <i>Monthly Purchases and Sales excludes derivative transactions.</i> |
| 25 | Prudential Investment Management | Core Plus | | \$408,940,326 | | | | Barclays Aggregate Bond + 70 bps | Yes | N/A | \$45,753,247 | \$39,618,973 | B8A45W6S0 Irs Usd R V 01Mlibor, B8A46Pas9 Irs Usd R V 12Mliber, B8A3N41G5 Irs Usd R V 12Mfedl, B8A3Ucw67 Irs Usd R V 03Mlibor, B91Qxs9P4 Cds Usd R V 00Mevent, B8A3TKg69 Irs Usd R V 12Mlibor, State Street Bank + Trust Co, B8A3U8Pu1 Irs Usd R V 01Musois, B8A48N7F4 Irs Usd R V 01Mlibor, B8A48N7J6 Irs Usd R F 2.15000 <i>Monthly Purchases and Sales excludes derivative transactions.</i> |
| 26 | Brandywine Global Investment Management | Global | | \$214,937,812 | | | | 80% Citigroup WGBI / 20% JP Morgan GBI-EM Global Diversified | Yes | N/A | \$37,446,897 | \$10,797,175 | UK Tsy Gilt 1.25% 07/22/18, Mexican Bonos 7.75% 11/13/42, Treasury Sec. Flt 04/30/19, Us Treasury N/B 2.875% 11/15/46, Us Treasury Frn Flt 01/31/19, Mexican Bonos 8.5% 11/18/38, Mexican Bonos 8.5% 05/31/29, Us Treasury N/B 3% 11/15/45, Poland Govt Bond 3.25% 07/25/25, Brazil Ntn-F 10% 01/01/25 |
| 27 | Brigade SC Credit Opportunities Mandate, LLC | Strategic Credit | | \$168,890,357 | | | | 50% BofA Merrill Lynch High Yield Master II Constrained / 50% Credit Suisse Leveraged Loan | Yes | N/A | | | |
| 28 | TOTAL FIXED INCOME | | | \$1,516,837,749 | | | | | | | \$259,111,480 | \$186,854,006 | |

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| ABSOLUTE RETURN | | | | | | | | | | | | | |
| 29 | Grosvenor SC Absolute Return Fund (SCARF) | Diversified Separate Account | | \$256,364,233 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 30 | Grosvenor SC Absolute Return Fund, Series B (SCARF-B) | Diversified Separate Account | | \$69,559,944 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | This diversified Absolute Return Separate Account is part of SCERS' interim Absolute Return allocation. |
| 31 | Lakewood Capital Partners, LP | Equity Long/Short | | \$43,642,566 | \$35,000,000 | \$33,000,000 | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 32 | Elliott Associates, LP | Event Driven | | \$48,816,523 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 33 | Jana Partners Qualified, LP | Event Driven | | \$40,461,190 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 34 | Third Point Partners Qualified, LP | Event Driven | | \$44,316,333 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 35 | Grosvenor | Fund of Funds | | \$432,685 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | N/A | | | Fund was terminated; redemptions from the fund continues to progress. |
| 36 | Claren Road Credit Partners, LP | Global Long-Short Credit | | \$2,172,423 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | \$398,492 | SCERS put in a full redemption request for this fund. Due to significant redemptions incurred by Claren Road, final distribution of SCERS' capital will be made over multiple quarters. |
| 37 | Brevan Howard Master Fund, LLC | Global Macro - Discretion | | \$34,994,890 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 38 | Laurion Capital Management, LP | Market Neutral - Vol/Arb | | \$40,867,520 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 39 | AQR DELTA Fund, LP | Multi-Strategy | | \$70,320,480 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 40 | Och-Ziff Domestic Partners Fund II, LP | Multi-Strategy | YES | \$43,557,360 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 41 | Winton Diversified Futures Fund, LP | Systematic Global Macro | | \$35,324,520 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 42 | Graham Global Investment Fund II SPC, Ltd | Systematic Global Macro | | \$33,524,995 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 43 | TOTAL ABSOLUTE RETURN FUNDS | | | \$764,355,662 | \$35,000,000 | \$33,000,000 | | | | | | \$398,492 | |

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| PRIVATE EQUITY | | | | | | | | | | | | | |
| 44 | Abbott Capital Private Equity Fund VI, LP | aFund of Funds | | \$62,084,299 | \$75,000,000 | \$68,250,000 | \$30,751,320 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 45 | HarbourVest International PEP VI, LP | aFund of Funds | | \$31,457,683 | \$50,000,000 | \$35,021,819 | \$12,361,058 | Russell 1000 + 300 bps | 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. |
| 46 | HarbourVest VIII, LP | aFund of Funds | | \$25,489,946 | \$50,000,000 | \$47,400,000 | \$21,480,041 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 47 | Private Equity (Goldman Sachs) X, LP | aFund of Funds | | \$47,572,419 | \$75,000,000 | \$74,342,136 | \$37,152,073 | Russell 1000 + 300 bps | Yes | N/A | | \$1,925,247 | |
| 48 | Accel-KKR Capital Partners IV, LP | Buyout | | \$11,266,816 | \$15,000,000 | \$11,287,048 | \$3,287,895 | Russell 1000 + 300 bps | Yes | N/A | | \$1,405,369 | |
| 49 | Accel-KKR Capital Partners V, LP | Buyout | | \$1,387,251 | \$25,000,000 | \$1,648,472 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 50 | H.I.G. Capital Partners V, LP | Buyout | | \$3,758,486 | \$14,000,000 | \$3,207,392 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 51 | Marlin Equity IV, LP | Buyout | | \$12,113,677 | \$20,000,000 | \$10,729,713 | \$190,655 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 52 | Linden Capital Partners III, LP | Buyout - Middle Market Healthcare | | \$16,467,715 | \$35,000,000 | \$16,124,213 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 53 | Thoma Bravo Fund XI, LP | Buyout - Middle Market Technology | | \$35,221,843 | \$30,000,000 | \$29,600,786 | \$178,826 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 54 | Thoma Bravo Fund XII, LP | Buyout - Middle Market Technology | | \$11,663,265 | \$30,000,000 | \$11,037,488 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 55 | H.I.G. Europe Capital Partners II, LP | Buyout - Non-US | | \$62,528 | \$21,000,000 | \$777,169 | | Russell 1000 + 300 bps | Yes | N/A | \$545,441 | | Fund is denominated in Euros and has been converted to US dollars based on the exchange rate at the time of the transaction. |

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| PRIVATE EQUITY | | | | | | | | | | | | | |
| 56 | Waterland Fund V, LP | Buyout - Non-US | | \$13,293,873 | \$23,193,600 | \$14,710,875 | \$17,167,446 | Russell 1000 + 300 bps | 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. |
| 57 | Waterland Fund VI, LP | Buyout - Non-US | | \$5,749,433 | \$30,000,000 | \$6,040,313 | | Russell 1000 + 300 bps | 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. |
| 58 | Marlin Heritage, LP | Buyout - Small / Middle Market | | \$9,399,487 | \$10,000,000 | \$7,562,602 | \$1,411,103 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 59 | Marlin Heritage II, LP | Buyout - Small / Middle Market | | | \$10,000,000 | | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 60 | Marlin Heritage Europe, LP | Buyout - Small / Middle Market | | | \$14,400,000 | | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 61 | Marlin Heritage Equity Partners V, LP | Buyout - Middle Market | | | \$25,000,000 | | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 62 | RRJ Capital Master Fund II, LP | Buyout - Special Situations SE Asia | | \$25,580,719 | \$35,000,000 | \$41,782,546 | \$18,692,578 | Russell 1000 + 300 bps | Yes | N/A | | \$114,276 | |
| 63 | RRJ Capital Master Fund III, LP | Buyout - Special Situations SE Asia | | \$10,740,211 | \$40,000,000 | \$12,436,331 | \$1,472,953 | Russell 1000 + 300 bps | Yes | N/A | \$17,931 | \$65,624 | |
| 64 | Summit Partners Credit Fund I, LP | Corp. Credit Lending | | \$6,096,213 | \$20,000,000 | \$24,939,499 | \$24,303,173 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 65 | Summit Partners Credit Fund II, LP | Corp. Credit Lending | | \$19,612,606 | \$35,000,000 | \$29,055,813 | \$12,116,866 | Russell 1000 + 300 bps | Yes | N/A | \$2,290,744 | \$4,328,888 | |
| 66 | Athyrium Opportunities Fund II, LP | Corp. Credit Lending - Healthcare | | \$22,231,360 | \$32,000,000 | \$31,350,360 | \$11,227,666 | Russell 1000 + 300 bps | Yes | N/A | \$84,786 | \$2,000,423 | |

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| PRIVATE EQUITY | | | | | | | | | | | | | |
| 67 | Atalaya Special Opportunities Fund VI, LP | Distressed Debt - US | | \$17,726,751 | \$25,000,000 | \$19,652,061 | \$2,004,752 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 68 | Garrison Opportunity Fund III, LP | Distressed Debt | | \$13,821,166 | \$20,000,000 | \$20,000,000 | \$6,220,104 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 69 | H.I.G. Bayside Loan Opportunity III (Europe), LP | Distressed Debt | | \$17,857,198 | \$30,000,000 | \$18,945,732 | \$5,434,136 | Russell 1000 + 300 bps | Yes | N/A | | \$367,994 | |
| 70 | TPG Opportunities Partners III, LP | Distressed Debt | | \$20,456,689 | \$40,000,000 | \$18,301,337 | \$2,316,986 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 71 | Wayzata Opportunities Fund III, LP | Distressed Debt | | \$9,648,926 | \$30,000,000 | \$14,718,000 | \$5,127,383 | Russell 1000 + 300 bps | Yes | N/A | | \$234,000 | |
| 72 | Summit Partners Venture Capital Fund III, LP | Growth Equity | | \$22,189,198 | \$16,350,000 | \$16,350,000 | \$1,501,331 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 73 | Summit Partners Venture Capital Fund IV, LP | Growth Equity | | \$9,199,172 | \$35,000,000 | \$8,737,103 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 74 | TSG 7A, LP and TSG 7B, LP | Buyout - Consumer Brands | | \$5,492,116 | \$20,000,000 | \$5,820,869 | \$7,227 | Russell 1000 + 300 bps | Yes | N/A | \$2,834,506 | | |
| 73 | Accel-KKR Structured Credit Capital II, LP | Growth Equity - Software Technology | | \$4,080,017 | \$15,000,000 | \$4,827,631 | \$384,805 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 74 | Spectrum Equity Investors VII, LP | Growth Equity - Software Technology | | \$17,743,679 | \$25,000,000 | \$17,437,500 | \$653,903 | Russell 1000 + 300 bps | Yes | N/A | \$1,937,500 | | |

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|-----------------------|-------------------------------|-----------------|------------|---|-------------------------------|------------------------------|----------------------------------|------------------------|--------|----------------------|------------------------------------|------------------------------------|-------------------------|
| PRIVATE EQUITY | | | | | | | | | | | | | |
| 75 | Dyal II US Investors, LP | Other | | \$6,868,473 | \$35,000,000 | \$11,869,662 | \$3,425,212 | Russell 1000 + 300 bps | Yes | N/A | | \$257,935 | |
| 76 | Dyal Capital Partners III, LP | Other | | \$8,631,229 | \$35,000,000 | \$11,947,368 | \$3,527,035 | Russell 1000 + 300 bps | Yes | N/A | | \$302,309 | |
| 77 | Khosla Ventures Fund IV, LP | Venture Capital | | \$14,406,178 | \$10,000,000 | \$9,670,000 | \$955,913 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 78 | Khosla Ventures Fund V, LP | Venture Capital | | \$11,066,699 | \$20,000,000 | \$9,940,000 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 79 | NEA 14, LP | Venture Capital | | \$35,680,872 | \$25,000,000 | \$23,500,000 | \$2,379,176 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 80 | NEA 15, LP | Venture Capital | | \$23,918,261 | \$35,000,000 | \$19,779,431 | | Russell 1000 + 300 bps | Yes | N/A | \$1,050,000 | | |
| 81 | NEA 16, LP | Venture Capital | | | \$35,000,000 | | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 82 | Trinity Ventures XI, LP | Venture Capital | | \$22,644,843 | \$25,000,000 | \$18,187,500 | | Russell 1000 + 300 bps | Yes | N/A | \$250,000 | | |
| 83 | Trinity Ventures XII, LP | Venture Capital | | \$4,918,659 | \$30,000,000 | \$4,350,000 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 84 | TOTAL PRIVATE EQUITY | | | \$637,599,955 | \$1,245,943,600 | \$731,338,769 | \$225,731,616 | | | | \$9,010,908 | \$11,002,066 | |

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| # | Investment Manager | Fund Type | Watch List | Net Asset Value (as of April 30, 2017)* | 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 | | | | | | | | | | | | | |
| 85 | SSgA Real Asset Strategy Proxy | Real Assets Overlay | | \$252,361,005 | | | | Blended benchmarked to strategy fund weights | Yes | N/A | \$7,405,521 | \$82,338,625 | This is the overaly proxy for the Real Assets asset class. |
| 86 | BlackRock Realty | Real Estate - Core Separate Account | | \$164,454,124 | | | | NFI-ODCE Index | Yes | N/A | \$442,000 | | Capital called is for the Block 295 (Leland James Center) redevelopment project in Portland, OR. |
| 87 | Cornerstone | Real Estate - Core Separate Account | | \$64,890,851 | | | | NFI-ODCE Index | Yes | N/A | | | Assets Managed does not include \$39 million of debt. |
| 88 | Jamestown Premier Property Fund, LP | Real Estate - Core and Core Plus | | \$19,250,484 | | | | NFI-ODCE Index | Yes | N/A | | | |
| 89 | MetLife Core Property Fund | Real Estate - Core | | \$52,000,268 | | | | NFI-ODCE Index | Yes | N/A | | | |
| 90 | Prime Property Fund, LLC | Real Estate - Core | | \$52,320,569 | | | | NFI-ODCE Index | Yes | N/A | | | |
| 91 | Principal US Property Account | Real Estate - Core | | \$39,940,709 | | | | NFI-ODCE Index | Yes | N/A | | | |
| 92 | Prologis Targeted Europe Logistics Fund, LP | Real Estate - Core | | \$30,279,599 | | | | 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. |
| 93 | Prologis Targeted US Logistics Fund, LP | Real Estate - Core | | \$40,023,646 | \$35,000,000 | \$29,800,000 | \$1,434,296 | NFI-ODCE Index | Yes | N/A | | | |
| 94 | Townsend Real Estate Fund, LP | Real Estate - Core | | \$81,968,575 | \$90,000,000 | \$78,434,612 | | NFI-ODCE Index | Yes | N/A | | | |
| 95 | Blackstone Resources Select Offshore Fund | Commodities | | \$41,313,982 | | | | Blend of GSCI and Dow Jones AIG | Yes | N/A | | | |
| 96 | Gresham Strategic Commodities Fund | Commodities | | \$25,209,904 | | | | Dow Jones AIG Index | Yes | N/A | | | |
| 97 | Atalaya SCERS SMA, LLC | Asset Backed Lending Separate Account | | \$13,294,400 | \$100,000,000 | \$18,370,902 | \$6,176,806 | CPI-U Headline + 500 bps | Yes | N/A | | | |

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|--------------------|--|--|------------|---|-------------------------------|------------------------------|----------------------------------|--------------------------|--------|----------------------|------------------------------------|------------------------------------|-------------------------|
| REAL ASSETS | | | | | | | | | | | | | |
| 98 | ArcLight Energy Partners VI, LP | Energy - Midstream | | \$22,155,576 | \$40,000,000 | \$26,325,842 | \$4,872,370 | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 99 | ACM Fund II, LLC | Real Assets - Agriculture | | \$4,004,984 | \$25,000,000 | \$7,176,176 | \$2,950,666 | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 100 | EnCap Flatrock Midstream III, LP | Energy - Midstream | | \$7,390,022 | \$20,000,000 | \$8,009,213 | \$1,596,554 | CPI-U Headline + 500 bps | Yes | N/A | \$199,920 | | |
| 101 | Quantum Energy Partners VI, LP | Energy - Midstream | | \$17,094,027 | \$35,000,000 | \$13,101,189 | \$1,770,702 | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 102 | EnCap Energy Capital Fund IX, LP | Energy - Upstream | | \$24,619,801 | \$33,000,000 | \$32,042,821 | \$18,801,608 | CPI-U Headline + 500 bps | Yes | N/A | \$400,125 | | |
| 103 | EnCap Energy Capital Fund X, LP | Energy - Upstream | | \$15,612,395 | \$40,000,000 | \$18,231,280 | \$5,723,911 | CPI-U Headline + 500 bps | Yes | N/A | \$2,341,132 | | |
| 104 | First Reserve Energy Infrastructure II, LP | Energy Infrastruc. | | \$15,088,641 | \$35,000,000 | \$16,073,909 | \$3,206,679 | CPI-U Headline + 500 bps | Yes | N/A | \$786,319 | | |
| 105 | Carlyle Power Partners II, LP | Energy - Power | | \$13,523,225 | \$40,000,000 | \$19,050,560 | \$4,312,447 | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 106 | IFM Global Infrastructure Fund (US), LP | Infrastruc. - Core | | \$75,000,000 | \$100,000,000 | \$75,000,000 | | CPI-U Headline + 500 bps | Yes | N/A | \$75,000,000 | | |
| 107 | Brookfield Infrastructure Fund III, LP | Infrastruc. - Core | | \$10,015,024 | \$40,000,000 | \$10,929,831 | \$1,386,731 | CPI-U Headline + 500 bps | Yes | N/A | \$2,842,985 | | |
| 108 | Wastewater Opportunity Fund, LP | Infrastruc. - Water/Wastewater | | \$2,741,716 | \$25,000,000 | \$3,847,207 | \$139,642 | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 109 | Pantheon SCERS Secondary Infrastructure, LLC | Infrastruc. - Secondary Separate Account | | \$40,075,242 | \$100,000,000 | \$27,900,000 | | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 110 | TOTAL REAL ASSETS | | | \$1,124,628,769 | \$758,000,000 | \$384,293,543 | \$52,372,412 | | | | \$89,418,002 | \$82,338,625 | |

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|----------------------|---|--------------------------|------------|---|-------------------------------|------------------------------|----------------------------------|------------------------|--------|----------------------|------------------------------------|------------------------------------|--|
| OPPORTUNITIES | | | | | | | | | | | | | |
| 111 | DRC European Real Estate Debt Fund II, LP | Distressed Debt - Europe | | \$23,230,270 | \$50,000,000 | \$77,114,293 | \$52,603,944 | NFI-ODCE Index | 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. |
| 112 | Atalaya Special Opportunities Fund V, LP | Distressed Debt - US | | \$15,008,095 | \$25,000,000 | \$24,875,000 | \$14,492,295 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 113 | CIM Opportunity Fund VIII, LP | Real Estate - Opport. | | \$25,118,429 | \$35,000,000 | \$28,284,785 | \$5,114,809 | NFI-ODCE + 100 bps | Yes | N/A | \$109,375 | | |
| 114 | KKR Real Estate Partners Americas, LP | Real Estate - Opport. | | \$16,343,706 | \$35,000,000 | \$27,855,068 | \$18,757,147 | NFI-ODCE + 100 bps | Yes | N/A | | | |
| 115 | Och-Ziff Real Estate Fund III, LP | Real Estate - Opport. | YES | \$12,192,007 | \$35,000,000 | \$12,061,577 | \$1,697,664 | NFI-ODCE + 100 bps | Yes | N/A | \$131,250 | | |
| 116 | AEW Value Investors II, LP | Real Estate - Value Add | | \$367,767 | \$25,000,000 | \$21,812,596 | \$27,457,757 | NFI-ODCE + 100 bps | Yes | N/A | | | The fund has reached the end of its term. AEW has been undergoing an orderly sale of the assets and extended the closing of the fund until 2017. |
| 117 | Allegis Value Trust | Real Estate - Value Add | | \$16,004,316 | \$25,000,000 | \$25,000,000 | \$15,859,000 | 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. |
| 118 | ECE European Prime Shopping Centre Fund II, SCS SIF | Real Estate - Value Add | | \$7,891,515 | \$35,000,000 | \$7,922,479 | \$1,229,486 | 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 | Hammes Partners II, LP | Real Estate - Value Add | | \$14,455,790 | \$25,000,000 | \$16,504,420 | \$2,908,297 | NFI-ODCE + 100 bps | Yes | N/A | | | |
| 120 | Hines US Office Value Fund II, LP | Real Estate - Value Add | YES | \$488,979 | \$22,572,950 | \$21,726,796 | \$16,880,194 | NFI-ODCE + 100 bps | Yes | N/A | | | The fund has reached the end of its term. Hines has been undergoing an orderly sale of the assets and extended the closing of the fund until 2017. |
| 121 | NREP Nordic Strategies Fund, FCP-FIS | Real Estate - Value Add | | \$13,031,014 | \$25,000,000 | \$22,179,980 | \$15,808,188 | NFI-ODCE + 100 bps | Yes | N/A | | \$7,772,301 | Fund is denominated in Euros, which will then be converted to US dollars based on the exchange rate at the time of the transaction. |
| 122 | NREP Nordic Strategies Fund II, SCSp | Real Estate - Value Add | | \$9,729,172 | \$35,000,000 | \$10,012,187 | | 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. |
| 123 | TOTAL OPPORTUNITIES | | | \$153,861,062 | \$372,572,950 | \$295,349,181 | \$172,808,781 | | | | \$240,625 | \$7,772,301 | |

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|------------------------------|--|-----------|------------|---|-------------------------------|------------------------------|----------------------------------|-------------------------|--------|----------------------|------------------------------------|------------------------------------|--|
| SHORT-TERM | | | | | | | | | | | | | |
| 124 | State Street Global Advisors - STIF (Cash Account) | Cash | | \$140,765,147 | | | | 91 Day T-Bill | Yes | N/A | \$86,529,339 | \$121,043,738 | Unallocated cash is swept into a short-term investment fund. |
| 125 | TOTAL | | | \$140,765,147 | | | | | | | \$86,529,339 | \$121,043,738 | |
| FUTURES OVERLAY | | | | | | | | | | | | | |
| 126 | State Street Global Advisors (Futures Overlay) | Overlay | | \$69,663,481 | | | | Target Asset Allocation | Yes | N/A | \$87,396,350 | \$81,654,923 | State Street Bank + Trust Co, Fnma Tba 15 Yr 2.5, Gnma Ii Tba 30 Yr 3.5, Fnma Tba 30 Yr 4, Fhmc Tba 30 Yr 3.5, Fnma Tba 30 Yr 3, Us Dollar, Swap Morgan Stanley Coc, Euro Currency, Pound Sterling |
| 127 | TOTAL | | | \$69,663,481 | | | | | | | \$87,396,350 | \$81,654,923 | |
| SCERS TOTAL PORTFOLIO | | | | \$8,371,007,452 | \$2,411,516,550 | \$1,443,981,494 | \$450,912,810 | | | | \$624,179,720 | \$576,176,947 | |

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INVESTMENT MANAGER WATCH LIST WITH COMMENTARY

APRIL 30, 2017

| # | Investment Manager | Fund Type | Reason | Effective (month - year) | Commentary |
|---|--------------------------------------|---|---------------------|--------------------------|--|
| 1 | Brown Advisory | Large Cap Growth | Performance | Feb-17 | Returns have significantly underperformed the benchmark over long-term periods: 1Q2017 (9.4% vs. +8.9%); 1-Year (8.2% vs. +15.8%); 3-Year (+7.0% vs. +11.3%); 5-Year (+9.5% vs. +13.3%), and since inception (+8.8% vs. +12.6%). |
| 2 | Huber Capital Management | Large Cap Value | Performance | Feb-15 | Returns have underperformed the benchmark over the long-term periods: 1Q2017 (+4.6% vs. +3.3%); 1-Year (+18.9% vs. +19.2%); 3-Year (+3.4% vs. +8.7%); and since inception (+10.4% vs. +13.6%). |
| 3 | Och-Ziff Capital Management | Absolute Return and Opportunistic Real Estate | Organization | Oct-16 | In September 2016, Och-Ziff settled with the Department of Justice and the SEC by pleading guilty to violations under the Foreign Corrupt Practices Act. The firm will pay fines of \$213 million to the DOJ and civil penalties of \$199 million to the SEC. In light of this, the firm has been receiving some redemptions. The potential business risks remain related to further investor redemptions, ancillary regulatory scrutiny, employee retention, and reputational risk. |
| 4 | Weatherbie Capital Management | Small Cap Growth | Performance | Sep-15 | Returns have underperformed the benchmark since inception: 1Q2017 (+9.1% vs. +5.3%); 1-Year (+31.9% vs. +23.0%); 3-Year (+6.8% vs. +6.7%); 5-Year (+12.3% vs. +12.1%); and since inception (+10.8% vs. +11.1%). |

| # | Investment Manager | Fund Type | Watch List | Net Asset Value (as of May 31, 2017)* | 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 EQUITY | | | | | | | | | | | | | |
| 1 | JP Morgan Asset Management | Equity 130/30 | | \$108,656,534 | | | | S&P 500 + 100 bps | Yes | N/A | \$20,210,912 | \$22,080,551 | Alphabet, Apple, UnitedHealth Group, Microsoft, EOG Resources, Citigroup., Walt Disney, Broadcom Ltd., Pfizer, Chubb Ltd. |
| 2 | Eagle Capital Management | Large Cap Core | | \$222,188,700 | | | | Russell 1000 + 100 bps | Yes | N/A | \$12,725,194 | \$12,967,354 | Berkshire Hathaway Inc Cl B, Oracle Corp, Alphabet Inc Cl C, Microsoft Corp, Amazon.Com Inc, Aon Plc, Ecolab Inc, Liberty Global Plc C, Citigroup Inc, Marriott International Cl A |
| 3 | Brown Advisory | Large Cap Growth | YES | \$113,391,448 | | | | Russell 1000 Growth + 100 bps | Yes | N/A | \$8,494,912 | \$9,053,118 | Amazon.Com Inc, Visa Inc Class A Shares, Facebook Inc A, State Street Bank + Trust Co, Adobe Systems Inc, Danaher Corp, Intuitive Surgical Inc, Zoetis Inc, Costco Wholesale Corp, Amphenol Corp Cl A |
| 4 | Alliance Bernstein | Large Cap Passive | | \$1,060,981,600 | | | | Russell 1000 | Yes | N/A | \$1,477,567 | \$3,852,257 | Apple Inc, Microsoft Corp, Amazon.Com Inc, Johnson + Johnson, Facebook Inc A, Exxon Mobil Corp, Berkshire Hathaway Inc Cl B, Jpmorgan Chase + Co, Alphabet Inc Cl A, Alphabet Inc Cl C |
| 5 | Huber Capital Management | Large Cap Value | YES | \$107,481,178 | | | | Russell 1000 Value + 100 bps | Yes | N/A | \$3,637,759 | \$3,339,474 | Kbr Inc, Citigroup Inc, State Street Bank + Trust Co, Ca Inc, Microsoft Corp, Philip Morris International, Cno Financial Group Inc, Northrop Grumman Corp, Bank Of America Corp, Jpmorgan Chase + Co |
| 6 | CenterSquare Investment Management (formerly Urdang) | REIT - US | | \$93,471,535 | | | | NAREIT + 100 bps | Yes | N/A | \$4,242,283 | \$4,027,947 | Simon Property Group Inc, Equinix Inc, Prologis Inc, Avalonbay Communities Inc, Boston Properties Inc, Vornado Realty Trust, Cubesmart, Hcp Inc, Douglas Emmett Inc, Udr Inc |
| 7 | Weatherbie Capital | Small Cap Growth | YES | \$94,977,771 | | | | Russell 2000 Growth + 150 bps | Yes | N/A | \$9,224,174 | \$9,685,618 | Stamps.Com Inc, Firstservice Corp, Macom Technology Solutions H, Middleby Corp, Paylocity Holding Corp, Insulet Corp, Ultimate Software Group Inc, Wayfair Inc Class A, Everbridge Inc, Gtt Communications Inc |
| 8 | UBS Global Asset Management | Small Cap Growth | | \$65,416,061 | | | | Russell 2000 Growth + 150 bps | Yes | N/A | \$2,194,713 | \$1,172,377 | State Street Bank + Trust Co, Universal Display Corp, Exact Sciences Corp, Wix.Com Ltd, Proofpoint Inc, Ollie S Bargain Outlet Holdi, Burlington Stores Inc, Grand Canyon Education Inc, Callidus Software Inc, Semtech Corp |
| 9 | Dalton, Greiner, Hartman, Maher | Small Cap Value | | \$75,727,090 | | | | Russell 2000 Value + 150 bps | Yes | N/A | \$6,269,422 | \$6,784,403 | State Street Bank + Trust Co, Brandywine Realty Trust, Ipg Photonics Corp, Ptc Inc, Kennedy Wilson Holdings Inc, Radian Group Inc, El Paso Electric Co, Sandy Spring Bancorp Inc, Teradyne Inc, Netscout Systems Inc |
| 10 | Wedge Capital Management | Small Cap Value | | \$85,766,669 | | | | Russell 2000 Value + 150 bps | Yes | N/A | \$1,654,012 | \$1,698,339 | Dupont Fabros Technology, Treehouse Foods Inc, State Street Bank + Trust Co, Stag Industrial Inc, Dana Inc, Prosperity Bancshares Inc, Cullen/Frost Bankers Inc |
| 11 | TOTAL DOMESTIC EQUITY | | | \$2,028,058,588 | | | | | | | \$70,130,948 | \$74,661,439 | |

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|-----------------------------|---|-----------------------------|------------|---------------------------------------|-------------------------------|------------------------------|----------------------------------|--|--------|----------------------|------------------------------------|------------------------------------|---|
| INTERNATIONAL EQUITY | | | | | | | | | | | | | |
| 12 | Lazard Asset Management | ACWI ex-US | | \$448,093,411 | | | | MSCI ACWI Ex-US + 100 bps | Yes | N/A | \$23,133,128 | \$21,250,489 | Lazard Emerging Markets Equity, State Street Bank + Trust Co, Daiwa House Industry Co Ltd, Prudential Plc, British American Tobacco Plc, Sampo Oyj A Shs, Shire Plc, Carlsberg As B, Don Quijote Holdings Co Ltd, Valeo Sa |
| 13 | LSV Asset Management | Developed Large Cap Value | | \$491,317,315 | | | | MSCI World Ex-US + 100 bps | Yes | N/A | \$13,405,788 | \$11,818,114 | Sanofi, Nippon Telegraph + Telephone, Bp Plc, Bae Systems Plc, Swiss Life Holding Ag Reg, Glaxosmithkline Plc, Roche Holding Ag Genusschein, Swiss Re Ag, Bayer Ag Reg, Total Sa |
| 14 | Walter Scott International EAFE Income Growth | Developed Large Cap Growth | | \$451,342,769 | | | | MSCI World Ex-US + 100 bps | Yes | N/A | \$6,296,854 | \$2,124,785 | Keyence Corp, Aia Group Ltd, Industria De Diseno Textil, Lvmh Moet Hennessy Louis Vui, Rakuten Inc, Novo Nordisk A/S B, Kao Corp, Coloplast B, State Street Bank + Trust Co, Smc Corp |
| 15 | William Blair International Small Cap | Developed Small Cap Growth | | \$117,540,589 | | | | MSCI Small Cap World ex-US + 150 bps | Yes | N/A | \$9,528,833 | \$9,858,057 | Intrum Justitia Ab, Brembo Spa, Micro Focus International, China Lodging Group-Spon Ads, Beazley Plc, Suruga Bank Ltd, Orora Ltd, Kingspan Group Plc, Recordati Spa, Rubis |
| 16 | Mondrian International Small Cap | Developed Small Cap Value | | \$101,334,494 | | | | MSCI Small Cap World ex-US + 150 bps | Yes | N/A | \$1,388,816 | \$3,749,005 | Croda International PLC, Spirax-Sarco Engineering PLC, Nifco Inc, Auckland International Airport Ltd, SATS Ltd, Rubis SCA, Mercury NZ Ltd, MTU Aero Engines AG Registered, AF AB B Shares, Nexteer Automotive Group Ltd |
| 17 | Ballie Gifford EM All Cap | Emerging Market - All Cap | | \$159,537,927 | | | | MSCI Emerging Markets + 150 bps | Yes | N/A | | | Tencent Holdings, Taiwan Semicon.Mnfg., Alibaba Group Hldg.Spn. Adr 1:1, Naspers, Ping An Insurance 'H', Samsung Electronics, Reliance Industries, Housing Development Fin., Sberbank Of Russia (Lon) Adr, China Life Insurance (Taiwan) |
| 18 | Mondrian EM All Cap | Emerging Market - All Cap | | \$144,984,330 | | | | MSCI Emerging Markets + 150 bps | Yes | N/A | \$4,816,897 | \$6,444,985 | Samsung Electronics Co Ltd, Taiwan Semiconductor Manufacturing Ltd, WH Group Ltd, China Construction Bank Corp Class H, SK Telecom Co Ltd, China Mobile Ltd, Fibra Uno Administracion SA, Gazprom PJSC Sponsored ADR, Shinhan Financial Group Ltd, Indiabulls Housing Finance Ltd |
| 19 | Mondrian EM Small Cap | Emerging Market - Small Cap | | \$25,409,111 | | | | MSCI Emerging Markets Small Cap + 150 basis points | Yes | N/A | \$63,415 | \$528,227 | Medy-Tox Inc, Hartalega Holdings Bhd, Varun Beverages Ltd, Dialog Group Bhd, Nexteer Automotive Group Ltd, Voltronic Power Technology Corp, Berger Paints India Ltd, Atrium European Real Estate, QL Resources Bhd, Apollo Hospitals Enterprise Ltd |
| 20 | William Blair EM Small Cap | Emerging Market - Small Cap | | \$26,801,153 | | | | MSCI Emerging Markets Small Cap + 150 basis points | Yes | N/A | | | China Lodging Group-Spon Ads, Hanssem Co Ltd, Bajaj Finance Ltd, Fuyao Glass Industry Group-H, Mahanagar Gas Ltd, Bank Tabungan Negara Persero, Sunny Optical Tech, Pampa Energia Sa-Spon Adr, Gruh Finance Ltd, Cvc Brasil Operadora E Agenc |
| 21 | CBRE Clarion Securities | REIT - Internat'l | | \$83,889,961 | | | | NAREIT Global ex-US Real Estate + 100 bps | Yes | N/A | \$11,932,294 | \$12,167,461 | Mitsui Fudosan Co Ltd, Cheung Kong Property Holding, Unibail Rodamco Se, Mitsubishi Estate Co Ltd, Scentre Group, Hang Lung Properties Ltd, Link Reit, Swire Properties Ltd, Vonovia Se, Dexus |
| 22 | TOTAL INTERNATIONAL EQUITY | | | \$2,050,251,056 | | | | | | | \$70,566,025 | \$67,941,125 | |

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|---------------------|--|------------------|------------|---------------------------------------|-------------------------------|------------------------------|----------------------------------|--|--------|----------------------|------------------------------------|------------------------------------|--|
| FIXED INCOME | | | | | | | | | | | | | |
| 23 | Neuberger Investment Management | Enhanced Index | | \$354,467,554 | | | | Barclays Aggregate Bond + 25 bps | Yes | N/A | \$59,199,505 | \$65,905,117 | State Street Bank + Trust Co, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B |
| 24 | Metropolitan West Asset Management | Core Plus | | \$375,186,732 | | | | Barclays Aggregate Bond + 70 bps | Yes | N/A | \$131,347,724 | \$158,443,635 | Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Us Treasury N/B, Metropolitan West High Yield B, Fnma Tba 30 Yr 4.5, State Street Bank + Trust Co, Us Treasury N/B <i>Monthly Purchases and Sales excludes derivative transactions.</i> |
| 25 | Prudential Investment Management | Core Plus | | \$429,359,284 | | | | Barclays Aggregate Bond + 70 bps | Yes | N/A | \$42,310,535 | \$40,347,175 | B8A45W6S0 Irs Usd R V 01Mlibor, B8A46Pas9 Irs Usd R V 12Mlibor, B8A3N41G5 Irs Usd R V 12Mfedl, B8A3Ucw67 Irs Usd R V 03Mlibor, B8A3Tkg69 Irs Usd R V 12Mlibor, B8A3U8Pu1 Irs Usd R V 01Musois, B8A3Lz3V3 Irs Usd R V 12Mfedl, B8A3Qvn94 Irs Usd R V 09Musois, B8A3Rynl0 Irs Usd R V 12Mlibor, B8A3U3H15 Irs Usd R V 01Musois <i>Monthly Purchases and Sales excludes derivative transactions.</i> |
| 26 | Brandywine Global Investment Management | Global | | \$218,328,976 | | | | 80% Citigroup WGBI / 20% JP Morgan GBI-EM Global Diversified | Yes | N/A | \$47,447,555 | \$10,547,850 | UK Tsy Gilt 1.25% 07/22/18, Mexican Bonos 7.75% 11/13/42, Treasury Sec. Flt 04/30/19, Us Treasury N/B 2.875% 11/15/46, Mexican Bonos 8.5% 11/18/38, Mexican Bonos 8.5% 05/31/29, Us Treasury N/B 3% 11/15/45, Poland Govt Bond 3.25% 07/25/25, Portuguese Ot'S 2.875% 10/15/25, Brazil Ntn-F 10% 01/01/25 |
| 27 | Brigade SC Credit Opportunities Mandate, LLC | Strategic Credit | | \$170,168,268 | | | | 50% BofA Merrill Lynch High Yield Master II Constrained / 50% Credit Suisse Leveraged Loan | Yes | N/A | | | |
| 28 | TOTAL FIXED INCOME | | | \$1,547,510,814 | | | | | | | \$280,305,318 | \$275,243,777 | |

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|------------------------|---|------------------------------|------------|---------------------------------------|-------------------------------|------------------------------|----------------------------------|------------------------------|--------|----------------------|------------------------------------|------------------------------------|---|
| ABSOLUTE RETURN | | | | | | | | | | | | | |
| 29 | Grosvenor SC Absolute Return Fund (SCARF) | Diversified Separate Account | | \$257,547,986 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 30 | Grosvenor SC Absolute Return Fund, Series B (SCARF-B) | Diversified Separate Account | | \$69,654,269 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | This diversified Absolute Return Separate Account is part of SCERS' interim Absolute Return allocation. |
| 31 | Lakewood Capital Partners, LP | Equity Long/Short | | \$43,418,496 | \$35,000,000 | \$33,000,000 | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 32 | Elliott Associates, LP | Event Driven | | \$50,292,142 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 33 | Jana Partners Qualified, LP | Event Driven | | \$40,820,220 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 34 | Third Point Partners Qualified, LP | Event Driven | | \$45,022,385 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 35 | Grosvenor | Fund of Funds | | \$405,614 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | N/A | | \$25,491 | Fund was terminated; redemptions from the fund continues to progress. |
| 36 | Claren Road Credit Partners, LP | Global Long-Short Credit | | \$2,273,192 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | SCERS put in a full redemption request for this fund. Due to significant redemptions incurred by Claren Road, final distribution of SCERS' capital will be made over multiple quarters. |
| 37 | Brevan Howard Master Fund, LLC | Global Macro - Discretion | | \$34,743,730 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 38 | Laurion Capital Management, LP | Market Neutral - Vol/Arb | | \$40,951,159 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 39 | AQR DELTA Fund, LP | Multi-Strategy | | \$69,845,160 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 40 | Och-Ziff Domestic Partners Fund II, LP | Multi-Strategy | YES | \$43,843,620 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 41 | Winton Diversified Futures Fund, LP | Systematic Global Macro | | \$35,143,920 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 42 | Graham Global Investment Fund II SPC, Ltd | Systematic Global Macro | | \$33,287,411 | | | | 90-Day U.S. T-Bill + 500 bps | Yes | Yes | | | |
| 43 | TOTAL ABSOLUTE RETURN | | | \$767,249,305 | \$35,000,000 | \$33,000,000 | | | | | | \$25,491 | |

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| PRIVATE CREDIT | | | | | | | | | | | | | |
| 44 | Athyrium Opportunities Fund II, LP | Corp. Credit Lending - Healthcare | | \$22,379,711 | \$32,000,000 | \$31,350,360 | \$11,754,317 | Russell 1000 + 300 bps | Yes | N/A | | \$526,651 | |
| 45 | Athyrium Opportunities Fund III, LP | Opport. Credit - Healthcare | | | \$25,000,000 | | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 46 | Summit Partners Credit Fund I, LP | Corp. Credit Lending | | \$6,350,409 | \$20,000,000 | \$24,939,499 | \$24,303,173 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 47 | Summit Partners Credit Fund II, LP | Corp. Credit Lending | | \$20,495,568 | \$35,000,000 | \$29,055,813 | \$12,116,866 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 48 | TOTAL PRIVATE CREDIT | | | \$26,845,977 | \$80,000,000 | \$53,995,312 | \$36,420,039 | | | | | | |

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| PRIVATE EQUITY | | | | | | | | | | | | | |
| 49 | Abbott Capital Private Equity Fund VI, LP | aFund of Funds | | \$60,209,299 | \$75,000,000 | \$68,625,000 | \$33,001,320 | Russell 1000 + 300 bps | Yes | N/A | \$375,000 | \$2,250,000 | |
| 50 | HarbourVest International PEP VI, LP | aFund of Funds | | \$31,457,683 | \$50,000,000 | \$35,562,151 | \$12,901,390 | Russell 1000 + 300 bps | Yes | N/A | \$540,332 | \$540,332 | Fund is denominated in Euros and has been converted to US dollars based on the exchange rate at the time of the transaction. |
| 51 | HarbourVest VIII, LP | aFund of Funds | | \$24,516,356 | \$50,000,000 | \$47,400,000 | \$21,852,396 | Russell 1000 + 300 bps | Yes | N/A | | \$372,355 | |
| 52 | Private Equity (Goldman Sachs) X, LP | aFund of Funds | | \$47,572,419 | \$75,000,000 | \$74,342,136 | \$37,152,073 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 53 | Accel-KKR Capital Partners IV, LP | Buyout | | \$11,266,816 | \$15,000,000 | \$11,287,048 | \$3,287,895 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 54 | Accel-KKR Capital Partners V, LP | Buyout | | \$1,387,251 | \$25,000,000 | \$1,648,472 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 55 | H.I.G. Capital Partners V, LP | Buyout | | \$3,847,238 | \$14,000,000 | \$3,207,392 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 56 | Marlin Equity IV, LP | Buyout | | \$11,751,457 | \$20,000,000 | \$10,943,067 | \$190,655 | Russell 1000 + 300 bps | Yes | N/A | \$213,354 | | |
| 57 | Linden Capital Partners III, LP | Buyout - Middle Market Healthcare | | \$21,166,570 | \$35,000,000 | \$19,693,808 | | Russell 1000 + 300 bps | Yes | N/A | \$3,569,595 | | |
| 58 | Thoma Bravo Fund XI, LP | Buyout - Middle Market Technology | | \$35,220,577 | \$30,000,000 | \$29,600,786 | \$178,826 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 59 | Thoma Bravo Fund XII, LP | Buyout - Middle Market Technology | | \$11,594,569 | \$30,000,000 | \$11,037,488 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 60 | H.I.G. Europe Capital Partners II, LP | Buyout - Non-US | | \$942,892 | \$21,000,000 | \$1,810,330 | | Russell 1000 + 300 bps | Yes | N/A | \$1,033,208 | | Fund is denominated in Euros and has been converted to US dollars based on the exchange rate at the time of the transaction. |

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| PRIVATE EQUITY | | | | | | | | | | | | | |
| 61 | Waterland Fund V, LP | Buyout - Non-US | | \$13,352,077 | \$23,193,600 | \$14,710,875 | \$17,167,446 | Russell 1000 + 300 bps | 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. |
| 62 | Waterland Fund VI, LP | Buyout - Non-US | | \$6,158,559 | \$30,000,000 | \$6,040,313 | | Russell 1000 + 300 bps | 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. |
| 63 | Marlin Heritage, LP | Buyout - Small / Middle Market | | \$10,337,286 | \$10,000,000 | \$7,562,602 | \$1,411,103 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 64 | Marlin Heritage II, LP | Buyout - Small / Middle Market | | | \$10,000,000 | | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 65 | Marlin Heritage Europe, LP | Buyout - Small / Middle Market | | | \$14,400,000 | | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 66 | Marlin Heritage Equity Partners V, LP | Buyout - Middle Market | | | \$25,000,000 | | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 67 | RRJ Capital Master Fund II, LP | Buyout - Special Situations SE Asia | | \$24,683,754 | \$35,000,000 | \$41,782,546 | \$18,930,297 | Russell 1000 + 300 bps | Yes | N/A | | \$237,719 | |
| 68 | RRJ Capital Master Fund III, LP | Buyout - Special Situations SE Asia | | \$12,053,641 | \$40,000,000 | \$13,325,220 | \$1,472,953 | Russell 1000 + 300 bps | Yes | N/A | \$888,889 | | |
| 69 | Atalaya Special Opportunities Fund VI, LP | Distressed Debt - US | | \$17,927,326 | \$25,000,000 | \$19,652,061 | \$2,004,752 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 70 | Garrison Opportunity Fund III, LP | Distressed Debt | | \$13,798,507 | \$20,000,000 | \$20,000,000 | \$6,220,104 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 71 | H.I.G. Bayside Loan Opportunity III (Europe), LP | Distressed Debt | | \$18,717,319 | \$30,000,000 | \$18,945,732 | \$5,434,136 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 72 | TPG Opportunities Partners III, LP | Distressed Debt | | \$21,202,177 | \$40,000,000 | \$18,301,337 | \$2,316,986 | Russell 1000 + 300 bps | Yes | N/A | | | |

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| PRIVATE EQUITY | | | | | | | | | | | | | |
| 73 | Wayzata Opportunities Fund III, LP | Distressed Debt | | \$8,925,294 | \$30,000,000 | \$14,718,000 | \$5,937,477 | Russell 1000 + 300 bps | Yes | N/A | | \$810,094 | |
| 74 | Summit Partners Venture Capital Fund III, LP | Growth Equity | | \$21,120,011 | \$16,350,000 | \$16,350,000 | \$3,330,657 | Russell 1000 + 300 bps | Yes | N/A | | \$1,829,326 | |
| 75 | Summit Partners Venture Capital Fund IV, LP | Growth Equity | | \$9,194,941 | \$35,000,000 | \$8,737,103 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 76 | TSG 7A,LP and TSG 7B, LP | Buyout - Consumer Brands | | \$5,383,607 | \$20,000,000 | \$5,820,869 | \$7,227 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 75 | Accel-KKR Structured Credit Capital II, LP | Growth Equity - Software Technology | | \$4,377,369 | \$15,000,000 | \$5,124,983 | \$384,805 | Russell 1000 + 300 bps | Yes | N/A | \$297,352 | | |
| 76 | Spectrum Equity Investors VII, LP | Growth Equity - Software Technology | | \$18,432,428 | \$25,000,000 | \$17,437,500 | \$1,473,759 | Russell 1000 + 300 bps | Yes | N/A | | \$819,857 | |
| 77 | Dyal II US Investors, LP | Other | | \$8,675,603 | \$35,000,000 | \$11,869,662 | \$3,425,212 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 78 | Dyal Capital Partners III, LP | Other | | \$10,140,557 | \$35,000,000 | \$13,456,696 | \$3,527,035 | Russell 1000 + 300 bps | Yes | N/A | \$1,509,328 | | |
| 79 | Khosla Ventures Fund IV, LP | Venture Capital | | \$14,134,173 | \$10,000,000 | \$9,670,000 | \$955,913 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 80 | Khosla Ventures Fund V, LP | Venture Capital | | \$10,995,750 | \$20,000,000 | \$9,940,000 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 81 | NEA 14, LP | Venture Capital | | \$35,680,872 | \$25,000,000 | \$23,500,000 | \$2,379,176 | Russell 1000 + 300 bps | Yes | N/A | | | |
| 82 | NEA 15, LP | Venture Capital | | \$27,243,261 | \$35,000,000 | \$23,104,431 | | Russell 1000 + 300 bps | Yes | N/A | \$3,325,000 | | |
| 83 | NEA 16, LP | Venture Capital | | \$1,050,000 | \$35,000,000 | \$1,050,000 | | Russell 1000 + 300 bps | Yes | N/A | \$1,050,000 | | |

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| PRIVATE EQUITY | | | | | | | | | | | | | |
| 84 | Trinity Ventures XI, LP | Venture Capital | | \$22,644,843 | \$25,000,000 | \$18,187,500 | | Russell 1000 + 300 bps | Yes | N/A | | | |
| 85 | Trinity Ventures XII, LP | Venture Capital | | \$5,968,659 | \$30,000,000 | \$5,400,000 | | Russell 1000 + 300 bps | Yes | N/A | \$1,050,000 | | |
| 86 | TOTAL PRIVATE EQUITY | | | \$603,131,142 | \$1,158,943,600 | \$659,845,109 | \$184,943,594 | | | | \$13,852,058 | \$6,859,683 | |

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|--------------------|---|---------------------------------------|------------|---------------------------------------|-------------------------------|------------------------------|----------------------------------|--|--------|----------------------|------------------------------------|------------------------------------|---|
| REAL ASSETS | | | | | | | | | | | | | |
| 87 | SSgA Real Asset Strategy Proxy | Real Assets Overlay | | \$259,644,577 | | | | Blended benchmarked to strategy fund weights | Yes | N/A | \$10,748,914 | \$1,910,873 | This is the overaly proxy for the Real Assets asset class. |
| 88 | BlackRock Realty | Real Estate - Core Separate Account | | \$167,756,584 | | | | NFI-ODCE Index | Yes | N/A | \$209,000 | | Capital called is for the Block 295 (Leland James Center) redevelopment project in Portland, OR. |
| 89 | Barings (formerly Cornerstone) | Real Estate - Core Separate Account | | \$65,413,584 | | | | NFI-ODCE Index | Yes | N/A | | | Assets Managed does not include \$39 million of debt. |
| 90 | Jamestown Premier Property Fund, LP | Real Estate - Core and Core Plus | | \$19,250,484 | | | | NFI-ODCE Index | Yes | N/A | | | |
| 91 | MetLife Core Property Fund | Real Estate - Core | | \$52,000,268 | | | | NFI-ODCE Index | Yes | N/A | | | |
| 92 | Prime Property Fund, LLC | Real Estate - Core | | \$52,320,569 | | | | NFI-ODCE Index | Yes | N/A | | | |
| 93 | Principal US Property Account | Real Estate - Core | | \$39,940,709 | | | | NFI-ODCE Index | Yes | N/A | | | |
| 94 | Prologis Targeted Europe Logistics Fund, LP | Real Estate - Core | | \$30,279,599 | | | | 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. |
| 95 | Prologis Targeted US Logistics Fund, LP | Real Estate - Core | | \$40,023,646 | \$35,000,000 | \$29,800,000 | \$1,434,296 | NFI-ODCE Index | Yes | N/A | | | |
| 96 | Townsend Real Estate Fund, LP | Real Estate - Core | | \$81,968,575 | \$90,000,000 | \$78,434,612 | | NFI-ODCE Index | Yes | N/A | | | |
| 97 | Blackstone Resources Select Offshore Fund | Commodities | | \$39,769,713 | | | | Blend of GSCI and Dow Jones AIG | Yes | N/A | | | |
| 98 | Gresham Strategic Commodities Fund | Commodities | | \$24,864,595 | | | | Dow Jones AIG Index | Yes | N/A | | | |
| 99 | Atalaya SCERS SMA, LLC | Asset Backed Lending Separate Account | | \$13,479,042 | \$100,000,000 | \$18,370,902 | \$6,176,806 | CPI-U Headline + 500 bps | Yes | N/A | | | |

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| REAL ASSETS | | | | | | | | | | | | | |
| 100 | ArcLight Energy Partners VI, LP | Energy - Midstream | | \$23,020,066 | \$40,000,000 | \$26,325,842 | \$4,872,370 | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 101 | ACM Fund II, LLC | Real Assets - Agriculture | | \$3,932,930 | \$25,000,000 | \$7,176,176 | \$2,950,666 | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 102 | EnCap Flatrock Midstream III, LP | Energy - Midstream | | \$7,390,022 | \$20,000,000 | \$8,009,213 | \$1,596,554 | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 103 | Quantum Energy Partners VI, LP | Energy - Midstream | | \$18,818,707 | \$35,000,000 | \$14,947,185 | \$1,770,702 | CPI-U Headline + 500 bps | Yes | N/A | \$1,845,996 | | |
| 104 | EnCap Energy Capital Fund IX, LP | Energy - Upstream | | \$24,853,309 | \$33,000,000 | \$32,475,596 | \$19,000,874 | CPI-U Headline + 500 bps | Yes | N/A | \$432,775 | \$199,267 | |
| 105 | EnCap Energy Capital Fund X, LP | Energy - Upstream | | \$16,469,576 | \$40,000,000 | \$19,088,462 | \$5,723,911 | CPI-U Headline + 500 bps | Yes | N/A | \$857,182 | | |
| 106 | First Reserve Energy Infrastructure II, LP | Energy Infrastruc. | | \$8,307,450 | \$35,000,000 | \$16,073,909 | \$16,475,879 | CPI-U Headline + 500 bps | Yes | N/A | | \$13,269,200 | |
| 107 | Carlyle Power Partners II, LP | Energy - Power | | \$11,804,148 | \$40,000,000 | \$19,084,620 | \$6,065,584 | CPI-U Headline + 500 bps | Yes | N/A | | \$1,719,077 | |
| 108 | IFM Global Infrastructure Fund (US), LP | Infrastruc. - Core | | \$75,000,000 | \$100,000,000 | \$75,000,000 | | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 109 | Brookfield Infrastructure Fund III, LP | Infrastruc. - Core | | \$10,192,934 | \$40,000,000 | \$10,929,831 | \$1,386,731 | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 110 | Wastewater Opportunity Fund, LP | Infrastruc. - Water/Wastewater | | \$2,613,482 | \$25,000,000 | \$3,847,207 | \$139,642 | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 111 | Pantheon SCERS Secondary Infrastructure, LLC | Infrastruc. - Secondary Separate Account | | \$40,075,242 | \$100,000,000 | \$27,900,000 | | CPI-U Headline + 500 bps | Yes | N/A | | | |
| 112 | TOTAL REAL ASSETS | | | \$1,129,189,811 | \$758,000,000 | \$387,463,556 | \$67,594,016 | | | | \$14,093,867 | \$17,098,416 | |

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|----------------------|---|--------------------------|------------|---------------------------------------|-------------------------------|------------------------------|----------------------------------|------------------------|--------|----------------------|------------------------------------|------------------------------------|--|
| OPPORTUNITIES | | | | | | | | | | | | | |
| 113 | DRC European Real Estate Debt Fund II, LP | Distressed Debt - Europe | | \$24,060,978 | \$50,000,000 | \$77,114,293 | \$52,603,944 | NFI-ODCE Index | 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. |
| 114 | Atalaya Special Opportunities Fund V, LP | Distressed Debt - US | | \$15,049,029 | \$25,000,000 | \$24,875,000 | \$14,993,350 | Russell 1000 + 300 bps | Yes | N/A | | \$501,055 | |
| 115 | Carlyle China Realty, LP | Real Estate - Opport. | | | \$10,000,000 | | | NFI-ODCE + 100 bps | Yes | N/A | | | |
| 116 | Carlyle China Rome Logistics, LP | Real Estate - Opport. | | | \$20,000,000 | | | NFI-ODCE + 100 bps | Yes | N/A | | | |
| 117 | CIM Opportunity Fund VIII, LP | Real Estate - Opport. | | \$26,099,589 | \$35,000,000 | \$28,284,785 | \$5,114,809 | NFI-ODCE + 100 bps | Yes | N/A | | | |
| 118 | KKR Real Estate Partners Americas, LP | Real Estate - Opport. | | \$16,710,847 | \$35,000,000 | \$29,286,583 | \$19,897,606 | NFI-ODCE + 100 bps | Yes | N/A | \$1,423,801 | \$1,056,660 | |
| 119 | Och-Ziff Real Estate Fund III, LP | Real Estate - Opport. | YES | \$14,747,938 | \$35,000,000 | \$14,278,710 | \$2,250,017 | NFI-ODCE + 100 bps | Yes | N/A | \$2,217,133 | \$552,353 | |
| 120 | AEW Value Investors II, LP | Real Estate - Value Add | | \$337,612 | \$25,000,000 | \$21,812,596 | \$27,457,757 | NFI-ODCE + 100 bps | Yes | N/A | | | The fund has reached the end of its term. AEW has been undergoing an orderly sale of the assets and extended the closing of the fund until 2017. |
| 121 | Allegis Value Trust | Real Estate - Value Add | | \$16,004,316 | \$25,000,000 | \$25,000,000 | \$15,859,000 | 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. |
| 122 | ECE European Prime Shopping Centre Fund II, SCS SIF | Real Estate - Value Add | | \$7,891,516 | \$35,000,000 | \$7,922,479 | \$1,229,486 | 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. |
| 123 | Hammes Partners II, LP | Real Estate - Value Add | | \$14,793,879 | \$25,000,000 | \$16,504,420 | \$2,908,297 | NFI-ODCE + 100 bps | Yes | N/A | | | |
| 124 | Hines US Office Value Fund II, LP | Real Estate - Value Add | | \$738,203 | \$22,572,950 | \$21,726,796 | \$16,880,194 | NFI-ODCE + 100 bps | Yes | N/A | | | The fund has reached the end of its term. Hines completed the final disposition of assets. The net asset value represents the leftover cash. |
| 125 | NREP Nordic Strategies Fund, FCP-FIS | Real Estate - Value Add | | \$14,770,944 | \$25,000,000 | \$22,179,980 | \$15,810,328 | NFI-ODCE + 100 bps | Yes | N/A | | \$7,774,440 | Fund is denominated in Euros, which will then be converted to US dollars based on the exchange rate at the time of the transaction. |
| 126 | NREP Nordic Strategies Fund II, SCSp | Real Estate - Value Add | | \$10,039,223 | \$35,000,000 | \$10,012,187 | | 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. |
| 127 | TOTAL OPPORTUNITIES | | | \$161,244,074 | \$402,572,950 | \$298,997,829 | \$175,004,788 | | | | \$3,640,934 | \$9,884,508 | |

*Net Asset Value for Private Equity, Real Assets, and Opportunities are December 2016 values adjusted for cash flows.

**Capital returned includes return of capital, income, and gains.

| # | Investment Manager | Fund Type | Watch List | Net Asset Value (as of May 31, 2017)* | 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 |
|------------------------------|--|-----------|------------|---------------------------------------|-------------------------------|------------------------------|----------------------------------|-------------------------|--------|----------------------|------------------------------------|------------------------------------|---|
| SHORT-TERM | | | | | | | | | | | | | |
| 128 | State Street Global Advisors - STIF (Cash Account) | Cash | | \$117,965,020 | | | | 91 Day T-Bill | Yes | N/A | \$30,256,414 | \$49,120,437 | Unallocated cash is swept into a short-term investment fund. |
| 129 | TOTAL SHORT-TERM | | | \$117,965,020 | | | | | | | \$30,256,414 | \$49,120,437 | |
| FUTURES OVERLAY | | | | | | | | | | | | | |
| 130 | State Street Global Advisors (Futures Overlay) | Overlay | | \$66,820,502 | | | | Target Asset Allocation | Yes | N/A | \$76,421,828 | \$82,278,349 | State Street Bank + Trust Co, Fnma Tba 15 Yr 2.5, Us Dollar, Gnma li Tba 30 Yr 3.5, Fnma Tba 30 Yr 4, Fhlmc Tba 30 Yr 3.5, Fnma Tba 30 Yr 3, Swap Morgan Stanley Coc, Euro Currency, Japanese Yen |
| 131 | TOTAL FUTURES OVERLAY | | | \$66,820,502 | | | | | | | \$76,421,828 | \$82,278,349 | |
| SCERS TOTAL PORTFOLIO | | | | \$8,498,266,290 | \$2,434,516,550 | \$1,433,301,806 | \$463,962,437 | | | | \$559,267,392 | \$583,113,224 | |

*Net Asset Value for Private Equity, Real Assets, and Opportunities are December 2016 values adjusted for cash flows.

**Capital returned includes return of capital, income, and gains.

INVESTMENT MANAGER WATCH LIST WITH COMMENTARY

MAY 31, 2017

| # | Investment Manager | Fund Type | Reason | Effective (month - year) | Commentary |
|---|--------------------------------------|---|---------------------|--------------------------|--|
| 1 | Brown Advisory | Large Cap Growth | Performance | Feb-17 | Returns have significantly underperformed the benchmark over long-term periods: 1Q2017 (9.4% vs. +8.9%); 1-Year (8.2% vs. +15.8%); 3-Year (+7.0% vs. +11.3%); 5-Year (+9.5% vs. +13.3%), and since inception (+8.8% vs. +12.6%). |
| 2 | Huber Capital Management | Large Cap Value | Performance | Feb-15 | Returns have underperformed the benchmark over the long-term periods: 1Q2017 (+4.6% vs. +3.3%); 1-Year (+18.9% vs. +19.2%); 3-Year (+3.4% vs. +8.7%); and since inception (+10.4% vs. +13.6%). |
| 3 | Och-Ziff Capital Management | Absolute Return and Opportunistic Real Estate | Organization | Oct-16 | In September 2016, Och-Ziff settled with the Department of Justice and the SEC by pleading guilty to violations under the Foreign Corrupt Practices Act. The firm will pay fines of \$213 million to the DOJ and civil penalties of \$199 million to the SEC. In light of this, the firm has been receiving some redemptions. The potential business risks remain related to further investor redemptions, ancillary regulatory scrutiny, employee retention, and reputational risk. |
| 4 | Weatherbie Capital Management | Small Cap Growth | Performance | Sep-15 | Returns have underperformed the benchmark since inception: 1Q2017 (+9.1% vs. +5.3%); 1-Year (+31.9% vs. +23.0%); 3-Year (+6.8% vs. +6.7%); 5-Year (+12.3% vs. +12.1%); and since inception (+10.8% vs. +11.1%). |