

Investment Adviser and Consultant Contracts

| Contracting Party | Investment Style | Total Assets under contract as of 06/30/19 | Fiscal Year 2019 Fees Paid | Estimated Fees to be paid in Fiscal Year 2020 |
|--|----------------------|---|-------------------------------|--|
| Domestic Equity | | | | |
| AQR CAPITAL MANAGEMENT | Small Core | \$ 213,440,340 | \$ 686,117 | \$ 754,729 |
| BOSTON PARTNERS | Large Value | 671,700,461 | 1,206,702 | 1,327,372 |
| EMERALD ADVISORS | Small Growth | 209,096,503 | 749,795 | 824,775 |
| LSV ASSET MANAGEMENT | Smid Value | 323,325,474 | 1,566,013 | 1,722,614 |
| LSV ASSET MANAGEMENT | Large Value | 1,062,538,803 | 2,191,496 | 2,410,646 |
| MATARIN CAPITAL MANAGEMENT | Small Core | 30,602,101 | 125,008 | 137,509 |
| RHUMBLINE ADVISERS | Smid Core | 98,224,605 | 7,654 | 8,419 |
| RHUMBLINE ADVISERS | Large Core | 3,592,192,656 | 305,695 | 336,265 |
| RHUMBLINE ADVISERS | Large Value | 441,145,357 | 20,688 | 22,757 |
| RHUMBLINE ADVISERS | Large Cap | 406,391,545 | 8,554 | 34,216 |
| T. ROWE PRICE ASSOCIATES ² | Large Growth | 814,788,068 | 1,900,148 | 2,090,163 |
| International Equity | | | | |
| ACADIAN INTERNATIONAL | Large Core | 988,026,149 | 3,080,384 | 3,388,422 |
| AQR CAPITAL MANAGEMENT | Emerging | 604,776,506 | 4,081,321 | 4,489,453 |
| ARROWSTREET CAPITAL | Large Cap | 1,031,859,694 | 1,307,326 | 1,438,059 |
| AXIOM INTERNATIONAL | Emerging | 436,661,068 | 2,752,031 | 3,027,234 |
| BROWN CAPITAL MANAGEMENT | Large Core | 62,081,671 | 385,800 | 424,380 |
| DIMENSIONAL FUND ADVISORS | Emerging Small Cap | 301,521,067 | 1,897,888 | 2,087,677 |
| GRANDEUR PEAK | Smid Growth | 244,949,889 | 809,344 | 1,618,688 |
| JP MORGAN INTERNATIONAL | Large Core | 356,253,026 | 358,457 | 394,303 |
| JP MORGAN INVESTMENT MANAGEMENT | Emerging | 477,354,506 | 2,719,954 | 2,991,949 |
| LSV ASSET MANAGEMENT | Large Value | 986,112,484 | 3,443,438 | 3,787,782 |
| LSV ASSET MANAGEMENT | Small Value | 283,094,883 | 903,045 | 1,806,090 |
| MONDRIAN INVESTMENT PARTNERS | Active | 528,197,575 | 1,939,659 | 2,133,625 |
| NORTHERN TRUST MSCI EMERGING MARKETS | Emerging | 62,020,753 | 39,908 | 43,899 |
| NORTHERN TRUST | Large Core | 2,231,370,569 | 608,138 | 668,952 |
| STRATEGIC GLOBAL ADVISORS | Large Cap | 602,444,712 | 1,857,470 | 2,043,217 |
| STRATEGIC GLOBAL ADVISORS | Small Cap | 333,353,672 | 1,832,849 | 2,016,134 |
| WASATCH ADVISORS | Small Cap | 226,971,734 | 2,180,723 | 2,398,795 |
| Fixed Income | | | | |
| ALLIANCE BERNSTEIN | Emerging Market Debt | 533,839,269 | 939,534 | 1,033,487 |
| DOLAN MCENIRY CAPITAL MANAGEMENT | Core Plus | 485,695,090 | 836,173 | 919,790 |
| DOLAN MCENIRY HIGH YIELD | Core Plus | 377,999,738 | 1,096,734 | 1,206,407 |
| FRANKLIN ADVISERS | International | 810,588,596 | 2,375,964 | 2,613,560 |
| GARCIA HAMILTON & ASSOCIATES | Core Plus | 617,879,059 | 699,094 | 769,003 |
| MACKAY SHIELDS, LLC | Core Plus | 999,071,635 | 2,372,958 | 2,610,254 |
| PACIFIC INVESTMENT MANAGEMENT COMPANY ² | Core Plus | 848,939,908 | 3,907,140 | 4,297,854 |

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|---|-----------------------------------|---|-----------------------------------|--|
| PACIFIC INVESTMENT MANAGEMENT COMPANY ² | Global Inflation Linked Bonds | 459,555,029 | 1,843,124 | 2,027,436 |
| PRUDENTIAL GLOBAL INVESTMENT MANAGEMENT | Core Plus | 1,071,410,714 | 1,299,109 | 1,429,020 |
| PRUDENTIAL GLOBAL INVESTMENT MANAGEMENT | Emerging Market Debt | 488,867,017 | 810,003 | 891,003 |
| RAMIREZ ASSET MANAGEMENT | Core Plus | 134,638,761 | 193,640 | 213,004 |
| TAPLIN, CANIDA & HABACHT | Cash | 1,438,210,238 | 904,934 | 995,427 |
| TCW GROUP | International | 908,432,636 | 3,250,018 | 3,575,020 |
| Real Estate | | | | |
| Barings R.E. Advisers LLC ² | Separate Managers | 443,260,482 | 1,471,087 | 1,618,196 |
| Barings R.E. Advisers II | Separate Managers | 6,098,773 | 33,709 | 37,080 |
| Capri Capital Partners, LLC ² | Separate Managers | 827,487,830 | 2,158,439 | 2,374,283 |
| Heitman Capital Management, LLC ² | Separate Managers | 1,664,502,230 | 5,306,038 | 5,836,642 |
| Invesco Real Estate ² | Separate Managers | 884,591,877 | 2,889,459 | 3,178,405 |
| Lincoln Property Company Realty Advisors I, Ltd. ² | Separate Managers | 643,218,544 | 1,639,757 | 1,803,733 |
| Lincoln Property Company Realty Advisors Ltd. Core | Separate Managers | 254,291,744 | 672,646 | 739,911 |
| Lincoln Property Transition | Separate Managers | 159,319 | 23,200 | 25,520 |
| Principal Real Estate Investors ² | Separate Managers | 194,693,306 | 577,746 | 635,521 |
| Principal Real Estate Investors Value Add | Separate Managers | 4,483,210 | 255 | 1,020 |
| Fund of Funds | | | | |
| Greenspring | Private Equity | 85,227,794 | 866,100 | 952,710 |
| Grosvenor | Absolute Return | 330,760,535 | 2,363,613 | 2,599,974 |
| Morgan Creek Partners Asia, L.P. | Private Equity | 84,752,499 | 724,751 | 797,226 |
| Investment Consultants | | | | |
| RVK, Inc. | General consultant | NA | 465,000 | 465,000 |
| Stepstone Group Real Estate, LP | Real Estate consultant | NA | 288,370 | 290,000 |
| TorreyCove Capital Partners LLC | Private Equity consultant | NA | 1,101,250 | 900,000 |
| Aksia, LLC | Private Debt consultant | NA | 405,427 | 500,000 |
| Aksia, LLC | Diversified Strategies consultant | NA | 119,726 | 200,000 |
| Bard Consulting ³ | Co-investment consultant | NA | 0 | NA |
| Caledon Capital Management, Inc. ³ | Co-investment consultant | NA | 0 | NA |
| ORG Portfolio Management ³ | Co-investment consultant | NA | 0 | NA |
| RCLCO Fund Advisors ³ | Co-investment consultant | NA | 0 | NA |
| Stout Risius Ross, Inc. ³ | Co-investment consultant | NA | 85,000 | NA |
| Torrey Cove Capital Partners ³ | Co-investment consultant | NA | 0 | NA |

¹ Fiscal Year To Date amounts represent fees incurred through June 30, 2019

² "Estimated fees to be paid" data includes base fee estimates only. A few managers have incentive fees which are based upon performance against benchmarks. Incentive fees are calculated on a quarterly or annual basis and excluded for this estimate.

³ No estimate as fees are paid on a case by case basis.

Factors that contributed to the selection of investment advisers and consultants included the experience and high quality of the firm's investment professionals, the soundness of the firm's investment philosophy and process, the strength and consistence of historical investment performance, the stability of the organization, and the strength of focus on risk management.

Disclosure in accordance with 40 ILCS 5/1-113.14(g)