

Investment Adviser and Consultant Contracts

Contracting Party	Investment Style	Total Assets under contract as of 03/31/19	Fiscal Year 2018 Fees Paid	Fiscal Year To Date 2019 Fees Paid ¹	Estimated Fees to be paid in Fiscal Year 2019
Domestic Equity					
AQR CAPITAL MANAGEMENT	Small Core	\$ 215,336,870	\$ 983,149	\$ 633,310	\$ 844,413
EMERALD ADVISORS	Small Growth	221,138,592	1,198,226	565,457	753,943
LSV ASSET MANAGEMENT	Smid Value	342,818,476	1,817,752	1,200,570	1,600,760
LSV ASSET MANAGEMENT	Large Value	1,124,136,697	2,243,573	1,659,287	2,212,383
MATARIN CAPITAL MANAGEMENT	Small Core	30,323,731	118,074	94,883	126,511
RHUMBLINE ADVISERS	Smid Core	95,274,427	2,886	5,804	7,739
RHUMBLINE ADVISERS	Large Core	3,931,838,963	218,729	231,263	308,351
RHUMBLINE ADVISERS	Large Value	424,821,233	0	12,413	16,551
ROBECO BOSTON PARTNERS	Large Value	651,741,880	1,192,262	904,193	1,205,591
T. ROWE PRICE ASSOCIATES ²	Large Growth	782,228,462	1,603,292	1,401,323	1,868,431
International Equity					
ACADIAN INTERNATIONAL	Large Core	970,112,996	2,932,008	2,253,311	3,004,415
AQR CAPITAL MANAGEMENT	Emerging	602,652,885	4,836,468	3,104,059	4,138,745
ARROWSTREET CAPITAL	Large Cap	998,078,477	530,669	930,818	1,241,091
AXIOM INTERNATIONAL	Emerging	425,408,657	4,080,574	2,324,693	3,099,591
BROWN CAPITAL MANAGEMENT	Large Core	59,436,109	387,354	286,928	382,571
DIMENSIONAL FUND ADVISORS	Emerging Small Cap	299,229,072	2,100,973	1,415,487	1,887,316
GRANDEUR PEAK	Smid Growth	235,334,524	0	416,492	555,323
JP MORGAN INTERNATIONAL	Large Core	415,821,845	1,366,362	293,845	391,793
JP MORGAN INVESTMENT MANAGEMENT	Emerging	466,486,840	3,007,017	2,012,903	2,683,871
LSV ASSET MANAGEMENT	Large Value	962,760,356	3,839,873	2,596,912	3,462,549
LSV ASSET MANAGEMENT	Small Value	279,333,710	0	476,684	635,579
MONDRIAN INVESTMENT PARTNERS	Active	520,448,728	2,585,767	1,483,766	1,978,355
NORTHERN TRUST MSCI EMERGING MARKETS	Emerging	61,356,437	42,036	29,789	39,719
NORTHERN TRUST	Large Core	2,291,256,805	597,467	461,317	615,089
STRATEGIC GLOBAL ADVISORS	Large Cap	593,341,445	1,837,717	1,366,476	1,821,968
STRATEGIC GLOBAL ADVISORS	Small Cap	331,575,074	975,169	1,382,668	1,843,557
WASATCH ADVISORS	Small Cap	218,378,690	3,278,861	1,784,484	2,379,312
Fixed Income					
ALLIANCE BERNSTEIN	Emerging Market Debt	313,412,422	0	564,199	752,265
DOLAN MCENIRY CAPITAL MANAGEMENT	Core Plus	471,798,140	733,601	628,729	838,305
DOLAN MCENIRY HIGH YIELD	Core Plus	220,445,266	1,008,880	781,466	1,041,955
FRANKLIN ADVISERS	International	799,317,965	2,811,860	1,805,982	2,407,976
GARCIA HAMILTON & ASSOCIATES	Core Plus	603,594,054	602,509	487,698	650,264
MACKAY SHIELDS, LLC	Core Plus	940,812,949	2,406,586	1,796,439	2,395,252
PACIFIC INVESTMENT MANAGEMENT COMPANY ²	Core Plus	602,656,647	3,529,703	2,907,091	3,876,121

Contracting Party	Investment Style	Total Assets under contract as of 03/31/19	Fiscal Year 2018 Fees Paid	Fiscal Year To Date 2019 Fees Paid ¹	Estimated Fees to be paid in Fiscal Year 2019
PACIFIC INVESTMENT MANAGEMENT COMPANY ²	Global Inflation Linked Bonds	449,295,331	2,348,316	1,516,664	2,022,219
PRUDENTIAL GLOBAL INVESTMENT MANAGEMENT	Core Plus	882,252,196	1,112,471	936,797	1,249,063
PRUDENTIAL GLOBAL INVESTMENT MANAGEMENT	Emerging Market Debt	264,005,730	0	457,880	610,507
RAMIREZ ASSET MANAGEMENT	Core Plus	104,879,026	103,658	128,751	171,668
TAPLIN, CANIDA & HABACHT	Cash	1,259,673,078	720,147	618,481	824,641
TCW GROUP	International	866,762,127	2,644,316	2,415,379	3,220,505
Real Estate					
Barings R.E. Advisers LLC ²	Separate Managers	441,608,292	1,619,711	1,075,671	1,434,228
Barings R.E. Advisers II	Separate Managers	8,183,968	28,423	19,018	25,357
Capri Capital Partners, LLC ²	Separate Managers	1,031,519,917	2,508,015	1,639,223	2,185,631
Heitman Capital Management, LLC ²	Separate Managers	1,640,762,220	5,332,116	4,013,119	5,350,825
Invesco Real Estate ²	Separate Managers	872,767,209	2,362,171	2,072,357	2,763,143
Lincoln Property Company Realty Advisors I, Ltd. ²	Separate Managers	615,655,138	2,128,003	1,254,280	1,672,373
Lincoln Property Company Realty Advisors Ltd. Core	Separate Managers	238,290,648	437,807	446,460	595,280
Lincoln Property Transition	Separate Managers	422,544	145,057	24,060	32,080
Principal Real Estate Investors ²	Separate Managers	207,413,846	665,787	444,940	593,253
Fund of Funds					
Greenspring	Private Equity	51,324,471	0	639,551	852,735
Grosvenor	Absolute Return	324,265,700	2,296,125	1,772,550	2,363,400
Morgan Creek Partners Asia, L.P.	Private Equity	87,762,086	802,220	549,484	732,645
Investment Consultants					
RVK, Inc.	General consultant	NA	457,643	348,750	465,000
Stepstone Group Real Estate, LP	Real Estate consultant	NA	279,971	215,212	290,000
TorreyCove Capital Partners LLC	Private Equity consultant	NA	997,500	675,000	900,000
Aksia, LLC	Private Debt consultant	NA	0	280,427	500,000
Aksia, LLC	Diversified Strategies consultant	NA	0	69,726	200,000
Bard Consulting ³	Co-investment consultant	NA	0	0	NA
Caledon Capital Management, Inc. ³	Co-investment consultant	NA	0	0	NA
ORG Portfolio Management ³	Co-investment consultant	NA	0	0	NA
RCLCO Fund Advisors ³	Co-investment consultant	NA	0	0	NA
Stout Risius Ross, Inc. ³	Co-investment consultant	NA	0	85,000	NA
Torrey Cove Capital Partners ³	Co-investment consultant	NA	0	180,000	NA

¹ Fiscal Year To Date amounts represent fees incurred through March 31, 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)