

Investment Adviser and Consultant Contracts

Contracting Party	Investment Style	Total Assets under contract as of 12/31/17	Fiscal Year 2017 Fees Paid	Fiscal Year To Date 2018 Fees Paid ¹	Estimated Fees to be paid in Fiscal Year 2018
Domestic Equity					
AQR CAPITAL MANAGEMENT	Small Core	\$ 275,581,758	\$ 127,436	\$ 509,673	\$ 1,019,346
CHANNING CAPITAL MANAGEMENT	Small Value	205,797,193	985,376	501,842	1,003,684
EMERALD ADVISORS	Small Growth	261,645,592	1,740,921	432,229	864,458
JP MORGAN INVESTMENT MANAGEMENT ²	Large Core	492,793,650	2,479,496	819,439	1,638,878
LEVIN CAPITAL STRATEGIES	Large Core	619,547,753	1,035,912	572,902	1,145,804
LSV ASSET MANAGEMENT	Smid Value	400,224,400	2,012,925	906,119	1,812,238
LSV ASSET MANAGEMENT	Large Value	1,178,549,149	1,351,916	1,080,679	2,161,358
MATARIN CAPITAL MANAGEMENT	Small Core	31,816,832	0	52,993	105,986
RHUMBLINE ADVISERS	Large Core	494,356,373	34,802	18,939	37,878
RHUMBLINE ADVISERS	Smid Core	35,215,444	8,999	1,474	2,948
RHUMBLINE ADVISERS	Large Core	2,970,054,639	133,445	97,135	194,270
ROBECO BOSTON PARTNERS 130/30	Large Value	670,166,061	1,106,881	585,569	1,171,138
T. ROWE PRICE ASSOCIATES	Large Growth	659,556,127	1,824,570	703,991	1,407,982
International Equity					
ACADIAN INTERNATIONAL	Large Core	985,718,147	1,797,034	1,433,829	2,867,658
AQR CAPITAL MANAGEMENT	Emerging	759,284,642	4,214,268	2,401,499	4,802,998
ARROWSTREET CAPITAL	Large Cap	512,788,825	0	93,713	374,852
ATIVO INTERNATIONAL EQUITY	Active	59,344,027	203,801	125,375	250,750
AXIOM INTERNATIONAL	Emerging	573,349,770	3,381,097	2,124,412	4,248,824
BROWN CAPITAL MANAGEMENT	Large Core	60,602,538	246,471	189,482	378,964
DIMENSIONAL FUND ADVISORS	Small Cap	465,480,006	2,619,467	1,487,607	2,975,214
DIMENSIONAL FUND ADVISORS	Emerging Small Cap	333,602,517	1,733,466	1,016,463	2,032,926
JP MORGAN INVESTMENT MANAGEMENT	Emerging	505,302,273	2,561,845	1,536,539	3,073,078
JP MORGAN INTERNATIONAL	Large Core	718,562,176	1,560,942	1,110,596	2,221,192
LSV ASSET MANAGEMENT	Large Value	1,059,227,524	3,231,590	1,882,555	3,765,110
MONDRIAN INVESTMENT PARTNERS	Active	782,642,614	2,585,935	1,384,654	2,769,308
MONDRIAN INVESTMENT PARTNERS	Small Cap	396,386,298	2,559,002	1,397,614	2,795,228
NORTHERN TRUST	Large Core	2,301,425,267	528,563	292,280	584,560
NORTHERN TRUST MSCI EMERGING MARKETS	Emerging	65,315,692	35,505	20,557	41,114
STRATEGIC GLOBAL ADVISORS	All Cap Core	561,990,798	1,464,952	910,845	1,821,690
STRATEGIC GLOBAL ADVISORS	Small Cap	121,132,015	292,360	191,847	383,694
WASATCH ADVISORS	Small Cap	513,681,002	2,650,658	1,609,029	3,218,058
Fixed Income					
DOLAN MCENIRY CAPITAL MANAGEMENT	Core Plus	414,539,941	590,953	321,761	643,522
DOLAN MCENIRY HIGH YIELD	Core Plus	245,483,961	78,729	491,660	983,320
FRANKLIN ADVISERS	International	1,039,098,639	2,783,898	1,350,395	2,700,790
GARCIA HAMILTON & ASSOCIATES	Core Plus	363,202,388	535,258	299,013	598,026
MACKAY SHIELDS, LLC	Core Plus	1,168,278,757	1,950,616	1,095,941	2,191,882
PACIFIC INVESTMENT MANAGEMENT COMPANY ²	Core Plus	509,446,636	3,282,046	862,099	1,724,198

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PACIFIC INVESTMENT MANAGEMENT COMPANY ²	Global Inflation Linked Bonds	883,822,700	1,802,921	1,119,742	2,239,484
PRUDENTIAL INVESTMENT MANAGEMENT	Enhanced Passive	854,400,036	666,860	493,054	986,108
RAMIREZ ASSET MANAGEMENT	Core Plus	52,355,177	33,739	51,829	103,658
TAPLIN, CANIDA & HABACHT	Cash	1,119,983,218	560,072	329,939	659,878
TCW GROUP	International	660,219,056	2,389,466	1,143,047	2,286,094
WESTWOOD MANAGEMENT CORP	Special Situations	45,464	209,609	0	0
Real Estate					
Capri Capital Partners, LLC ²	Separate Managers	1,041,640,374	2,491,037	1,288,213	2,576,426
Barings R.E. Advisers LLC	Separate Managers	412,728,404	2,586,872	864,010	1,728,020
Barings R.E. Advisers II	Separate Managers	9,932,903	63,557	6,133	12,266
Barings R.E. Advisers III	Separate Managers	335,094	0	0	0
Heitman Capital Management, LLC	Separate Managers	1,569,923,533	6,422,932	2,641,869	5,283,738
Invesco Real Estate ²	Separate Managers	721,321,579	2,265,762	1,105,852	2,211,704
Lincoln Property Company Realty Advisors I, Ltd.	Separate Managers	738,081,334	2,482,194	1,195,475	2,390,950
Lincoln Property Company Realty Advisors Ltd. Core	Separate Managers	296,925,619	605,296	250,049	500,098
Lincoln Property Transition	Separate Managers	45,147,609	578,142	67,420	134,840
Principal Real Estate Investors	Separate Managers	170,450,077	713,622	658,401	1,316,802
Fund of Funds					
Grosvenor	Absolute Return	319,367,813	2,229,674	1,132,377	2,264,754
Morgan Creek Venture Access I	Private Equity	114,739,867	593,163	284,403	568,806
Morgan Creek Partners Asia, L.P.	Private Equity	96,432,767	887,372	419,195	838,390
Investment Consultants					
RV Kuhns & Associates, Inc.	General consultant	NA	444,316	225,441	457,646
Courtland Partners	Real Estate consultant	NA	271,817	137,917	279,972
TorreyCove Capital Partners LLC	Private Equity consultant	NA	1,025,792	475,000	950,000
Albourne Partners	Absolute Return consultant	NA	400,000	216,000	400,000
LP Capital Advisors ³	Co-investment consultant	NA	0		NA
Stout Risius Ross, Inc. ³	Co-investment consultant	NA	90,000		NA
Real Asset Portfolio Management ³	Co-investment consultant	NA	0		NA
ORG Portfolio Management ³	Co-investment consultant	NA	0		NA

¹ Fiscal Year To Date amounts represent fees incurred through December 31, 2017

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 consistency 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)