

Federated Annual Fee Report - 2017

Executive Summary

This report marks the third anniversary of our annual Fee Report for the Federated City Employees' Retirement System ("Federated", "Plan"). The goal of the report is to provide transparency and insight into the fees and expenses paid to investment managers along with the costs of operating the investment program. Pension plan fee data is generally underreported by peers, and typically represents only the portion of fees that are observable. This excludes often sizable embedded fees (such as incentive fees) that are deducted from account values of certain fund structures.

It is important to note that fees are a function of asset allocation and portfolio construction, which are byproducts of the Board's objectives, investment beliefs, and risk tolerance. Each year, the Board typically reviews the asset allocation considering updated capital market assumptions and the expected returns and volatility of the portfolio associated with those assumptions. The asset allocations in effect for the period covered by this report, as illustrated in tables 1 and 2, are an expression of the Board's Investment Policy Statement that "Investments shall be diversified with the intent to minimize the risk of large investment losses".

Asset allocation is typically one of the largest determinants of investment management fees at the portfolio level. Asset allocations that introduce alternative asset classes (Private Equity, Private Debt, Real Estate, Hedge Funds, etc.) will have higher levels of investment manager fees, because these asset classes or strategies have higher fee structures than traditional asset classes. In addition, asset class structuring can have a significant impact on fees. The use of active management versus passive management, as well as alternative strategies within traditional asset classes, will increase fees. When evaluating investment managers, staff places a significant emphasis on fees by negotiating for lower fees and analyzing that expected value or return is worth the expected cost.

This year, the report introduces a new category of fees that was not previously captured (fund operating expenses) along with a disclosure in accordance with California Government Code §7514.7 (the result of Assembly Bill 2833), which requires annual reporting of fees paid by California public investment funds as a result of investing in alternative investment vehicles.

For calendar year 2017, management and incentive fees for the pension plan totaled \$24.2 million with a fee ratio of 1.15% as compared to \$21.3 million and 1.07% for 2016 and \$22.2 million and 1.10% for 2015. Fund operating expenses were \$2.4 million in 2017 for a fee ratio of 0.11%. The health care trust management and incentive fees totaled \$0.7 million with a fee ratio of 0.32%, compared to \$0.6 million with a fee ratio of 0.36% in 2016 and \$0.3 million with a fee ratio of 0.24% in 2015. Other investment-related costs (staff, consultants, custodian bank, investment legal, etc.) for the pension plan in 2017 were \$1.9 million with a fee ratio of 0.09% as compared to \$1.6 million and 0.08% in 2016 and 2015. Other investment-related costs for the health care trust totaled \$0.2 million with a fee ratio of 0.10% as compared to \$0.2 million and 0.12% for 2016 and \$0.1 million and 0.12% for 2015.



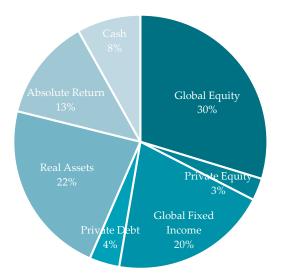
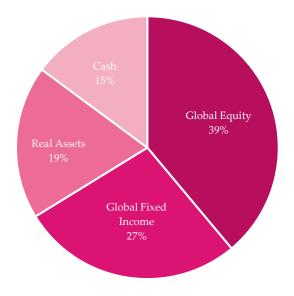


Table 2 - Health Care Trust Average Asset Allocation for 2017



Introduction

The fees in this report represent management fees, incentive fees, fund operating expenses, and other investment-related costs that were incurred during the calendar year. These amounts may include fees that were accrued for the year, but not paid out.

Management fees are fees charged by fund managers to invest and manage assets. Incentive fees are performance-based fees for exceeding a hurdle return and are only applicable to certain fund structures. It is important to note that incentive fees are a form of shared economics that are only paid if the manager has produced positive returns or exceeded a predetermined hurdle rate. In some situations, incentive fees can be negative, reflecting the complexity of fee agreements. Operating expenses include overhead related to managing a fund that are indirectly borne by investors, which may include professional, administration, research, tax, legal, custodial and audit expenses for a fund. Trading expenses such as broker commissions are excluded from this report. Other costs include salary and benefits compensation for investment staff (including a 50% allocation for the CEO), cost of consultants (general, absolute return, risk), custodian, other third party vendors utilized by the investment program, and investment staff travel.

Though best efforts have been made to capture all material fees and expenses, this report may not include all indirect expenses and charges that may be paid to managers' affiliates, consultants, or entities for services rendered to the managers, the funds or portfolio entities held by certain funds. Future iterations of this report will continue to grow in sophistication, benefiting from industry-wide initiatives to gain additional transparency, such as the increasing adoption of the Institutional Limited Partners Association ("ILPA") fee reporting template.

Data Sources

Staff compiled this fee report using the best available information for each fund manager in order to develop a comprehensive view of fees. Fee amounts were reviewed for reasonableness and reconciled to fee schedules. Fees for all managers active at any point during the year are included in this report, including those that were initially funded or terminated mid-year.

Fees for mutual funds, short term investment funds (Cash), and certain public markets commingled funds that deduct fees directly from the funds were calculated by multiplying each funds' fee ratio by the funds' average monthly balance for the year. The average balances were sourced from the Plan custodian bank, State Street.

Absolute Return management and incentive fees were provided by managers with independent re-calculations and reconciliations completed by Plan consultant Albourne. Operating expenses were calculated by Albourne using audited financial statements for each fund. Fees for Private funds were gathered by asking managers to complete the ILPA fee reporting template. The ILPA template is intended to standardize and codify the presentation of fees, expenses, and carried interest information by fund managers to Limited Partners. The remaining manager fees were obtained by having the fund managers fill out a fee template designed by staff.

Within the Other Costs section, consultants, custodian, and other vendor costs were sourced from fee invoices from the vendors. Investment staff salary and benefits were allocated to each of the four San Jose plans by pro-rating the total costs by the average balance of each plan. Similarly, legal costs incurred by Federated were allocated between the pension plan and health care trust by pro-rating the total costs by the average monthly balance of each plan.

Changes from 2016 Report

This years report includes a new category of manager fees that was not previously reported – operating expenses. As previously mentioned, operating expenses generally represent overhead related to managing a fund, which may include professional, administration, research, tax, legal, custodial and audit expenses for a fund.

The year-over-year attribution is more detailed and now breaks out yearly changes from three categories – weight changes, management fee ratio changes, and incentive fee ratio changes. The 2016 report attribution did not distinguish between management fee and incentive fee ratio changes.

Finally, the plan Overlay base fee has now been moved to the Other Vendors category with asset-based fees captured in their respective asset classes.

Total Portfolio Fee Summaries

The tables in this report present fees by asset class and management type. Fees by management type are presented by segregating investments into four "fund type" categories: passive, active, hedged, and private. Passive strategies are intended to generate a return that emulates an index. Active strategies include investment managers that attempt to outperform an index on a long only basis. Hedged strategies generally seek to achieve an absolute return ("alpha") regardless of market direction ("beta") by employing

various strategies including long and short positions. Private strategies utilize a diverse set of approaches to invest in illiquid assets, such as equity of privately held companies or real estate.

Year-over-Year Comparisons

The year-over-year comparison tables in this report present a time series of changes in average weights, fees, fee ratios, contribution to total plan fee ratios, and a year-over-year attribution. The year-over-year attribution uses the Brinson-Fachler methodology to decompose the change in contribution to total plan fee ratio into 1) impact due to weight changes, 2) impact due to management fee ratio changes, and 3) impact due to incentive fee ratio changes

California Government Code §7514.7 (AB 2833)

Assembly Bill 2833 ("AB 2833") was approved on September 14, 2016 adding Section 7514.7 to California Government Code. The addition to the Code requires California public investment funds to make annual disclosures of fees for alternative investment vehicles at a public meeting.

Tables 15-18 of this report are intended to comply with the law.

Note: Some values on the report may not sum due to rounding.

				Management								Fee Ratio -		
	Management	Incentive	Operating	and Incentive	Mgmt, Incent,	Average		Fee Ratio -	Fee Ratio -	Fee Ratio -	Fee Ratio -	Mgmt,	% of Total	Contribution
	Fees	Fees	Expenses	Fees	and Op Exp	Balance	Average	Management	Incentive	Operating	Mgmt and	Incent, and	Plan Fee	to Total Plan
Asset Class	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	Weight	Fees	Fees	Expenses	Incent Fees	Ор Ехр	Ratio	Fee Ratio
Global Equity	4.1	2.3	0.2	6.4	6.6	625	29.7%	0.66%	0.37%	0.03%	1.03%	1.06%	24.9%	0.31%
Passive	0.1	-	0.0	0.1	0.1	220	10.5%	0.05%	0.00%	0.02%	0.05%	0.07%	0.6%	0.01%
Active	2.2	-	0.0	2.2	2.2	312	14.9%	0.70%	0.00%	0.01%	0.70%	0.71%	8.3%	0.10%
Hedged	1.8	2.3	0.1	4.1	4.3	92	4.4%	1.98%	2.48%	0.16%	4.46%	4.62%	16.0%	0.20%
Private Equity	1.6	1.1	0.5	2.7	3.2	60	2.8%	2.75%	1.81%	0.79%	4.56%	5.35%	12.0%	0.15%
Private	1.6	1.1	0.5	2.7	3.2	60	2.8%	2.75%	1.81%	0.79%	4.56%	5.35%	12.0%	0.15%
Global Fixed Income	1.3	0.6	0.1	1.9	2.0	423	20.1%	0.30%	0.14%	0.02%	0.44%	0.46%	7.4%	0.09%
Passive	0.1	-	0.0	0.1	0.1	263	12.5%	0.05%	0.00%	0.00%	0.05%	0.05%	0.5%	0.01%
Active	0.6	-	0.0	0.6	0.6	119	5.6%	0.49%	0.00%	0.03%	0.49%	0.53%	2.3%	0.03%
Hedged	0.6	0.6	0.1	1.2	1.2	41	2.0%	1.40%	1.45%	0.13%	2.84%	2.97%	4.6%	0.06%
Private Debt	1.0	-0.8	0.1	0.2	0.4	81	3.8%	1.26%	-0.98%	0.17%	0.28%	0.45%	1.3%	0.02%
Private	1.0	-0.8	0.1	0.2	0.4	81	3.8%	1.26%	-0.98%	0.17%	0.28%	0.45%	1.3%	0.02%
Real Assets	3.7	1.0	0.6	4.7	5.2	470	22.4%	0.78%	0.21%	0.12%	0.99%	1.12%	19.7%	0.25%
Passive	0.2	-	-	0.2	0.2	217	10.3%	0.07%	0.00%	0.00%	0.07%	0.07%	0.6%	0.01%
Active	0.4	-	0.1	0.4	0.5	95	4.5%	0.39%	0.00%	0.10%	0.39%	0.49%	1.7%	0.02%
Hedged	1.0	0.2	0.2	1.2	1.4	36	1.7%	2.65%	0.61%	0.53%	3.26%	3.79%	5.2%	0.07%
Private	2.2	0.8	0.3	3.0	3.3	122	5.8%	1.80%	0.62%	0.24%	2.43%	2.67%	12.2%	0.15%
Absolute Return	4.3	3.9	0.9	8.2	9.0	274	13.0%	1.56%	1.42%	0.31%	2.98%	3.29%	33.9%	0.43%
Hedged	4.3	3.9	0.9	8.2	9.0	274	13.0%	1.56%	1.42%	0.31%	2.98%	3.29%	33.9%	0.43%
Cash	0.2	-	-	0.2	0.2	171	8.1%	0.12%	0.00%	0.00%	0.12%	0.12%	0.7%	0.01%
Passive	0.2	-	-	0.2	0.2	171	8.1%	0.12%	0.00%	0.00%	0.12%	0.12%	0.7%	0.01%
Total Plan	16.2	8.0	2.4	24.2	26.6	2,102	100.0%	0.77%	0.38%	0.11%	1.15%	1.26%	100.0%	1.26%

Table 3 - Pension Fees by Asset Class and Management Type

The table above illustrates that management, incentive, and operating expenses for the pension plan totaled \$26.6 million for 2017 which equated to a total plan fee ratio of 1.26%. The Absolute Return and Global Equity asset classes contributed the most to the total plan fee ratio at 0.43% and 0.31%, respectively. The Private Debt and Global Fixed Income asset classes contributed the least to the total plan fee ratio at 0.02% and 0.09%, respectively.

				Management								Fee Ratio -		
	Management	Incentive	Operating	and Incentive	Mgmt, Incent,	Average		Fee Ratio -	Fee Ratio -	Fee Ratio -	Fee Ratio -	Mgmt,	% of Total	Contribution
	Fees	Fees	Expenses	Fees	and Op Exp	Balance	Average	Management	Incentive	Operating	Mgmt and	Incent, and	Plan Fee	to Total Plan
Fund Type	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	Weight	Fees	Fees	Expenses	Incent Fees	Op Exp	Ratio	Fee Ratio
Passive	0.6	-	0.0	0.6	0.6	871	41.4%	0.07%	0.00%	0.00%	0.07%	0.07%	2.4%	0.03%
Active	3.1	-	0.2	3.1	3.3	525	25.0%	0.59%	0.00%	0.03%	0.59%	0.63%	12.4%	0.16%
Hedged	7.6	7.0	1.2	14.6	15.9	443	21.1%	1.72%	1.57%	0.28%	3.30%	3.58%	59.7%	0.75%
Private	4.9	1.0	0.9	5.9	6.8	262	12.5%	1.85%	0.40%	0.34%	2.25%	2.60%	25.6%	0.32%
Total Plan	16.2	8.0	2.4	24.2	26.6	2,102	100.0%	100.0%	0.38%	0.11%	1.15%	1.26%	100.0%	1.26%

Table 4 - Pension Fees by Management Type

For the total pension plan, hedged management strategies accounted for 0.75% of the total plan fee ratio and represented about 21% of average plan assets. Private management strategies were the next largest contributor to the total plan fee ratio accounting for 0.32% of the total plan fee ratio and represented 13% of average plan assets. Passive and active management strategies accounted for 0.03% and 0.16% of the total plan fee ratio and represented 41% and 25% of plan assets, respectively.

Table 5 - Pension Other Investment Costs

Investment Staff			Other Vendors	Total Other	
Salary and Benefits	Consultants	Custodian	and Travel	Costs	Other Costs
(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	Fee Ratio
0.5	0.6	0.3	0.4	1.9	0.09%

Other investment costs for the pension plan equated to a total fee ratio of 0.09%. As previously discussed, other costs include salary and benefits compensation for investment staff, cost of consultants, custodian, third party vendors utilized by the investment program, and investment staff travel.

				Management								Fee Ratio -		
	Management	Incentive	Operating	and Incentive	Mgmt, Incent,	Average		Fee Ratio -	Fee Ratio -	Fee Ratio -	Fee Ratio -	Mgmt,	% of Total	Contribution
	Fees	Fees	Expenses	Fees	and Op Exp	Balance	Average	Management	Incentive	Operating	Mgmt and	Incent, and	Plan Fee	to Total Plan
Asset Class	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	Weight	Fees	Fees	Expenses	Incent Fees	Op Exp	Ratio	Fee Ratio
Global Equity	0.42	-	0.01	0.42	0.42	89	38.9%	0.47%	0.00%	0.01%	0.47%	0.48%	54.0%	0.19%
Passive	0.03	-	0.01	0.03	0.03	51	22.5%	0.05%	0.00%	0.01%	0.05%	0.06%	4.1%	0.01%
Active	0.39	-	-	0.39	0.39	37	16.5%	1.04%	0.00%	0.00%	1.04%	1.04%	49.9%	0.17%
Global Fixed Income	0.02	-	0.00	0.02	0.02	62	27.3%	0.03%	0.00%	0.01%	0.03%	0.04%	3.0%	0.01%
Passive	0.02	-	0.00	0.02	0.02	62	27.3%	0.03%	0.00%	0.01%	0.03%	0.04%	3.0%	0.01%
Real Assets	0.24	0.02	0.04	0.26	0.29	43	18.9%	0.56%	0.04%	0.09%	0.60%	0.69%	37.8%	0.13%
Passive	0.01	-	-	0.01	0.01	20	8.8%	0.07%	0.00%	0.00%	0.07%	0.07%	1.8%	0.01%
Active	0.04	-	0.01	0.04	0.05	9	4.1%	0.39%	0.00%	0.10%	0.39%	0.49%	5.9%	0.02%
Hedged	0.07	0.02	0.01	0.09	0.10	3	1.2%	2.65%	0.61%	0.53%	3.26%	3.79%	13.2%	0.05%
Private	0.12	-	0.01	0.12	0.13	11	4.8%	1.07%	0.00%	0.13%	1.07%	1.20%	16.9%	0.06%
Cash	0.04	-	-	0.04	0.04	34	14.9%	0.12%	0.00%	0.00%	0.12%	0.12%	5.2%	0.02%
Passive	0.04	-	-	0.04	0.04	34	14.9%	0.12%	0.00%	0.00%	0.12%	0.12%	5.2%	0.02%
Total Plan	0.72	0.02	0.05	0.73	0.78	228	100.0%	0.31%	0.01%	0.02%	0.32%	0.34%	100.0%	0.34%

Table 6 - Health Care Fees by Asset Class and Management Type

The table above illustrates that management, incentive, and operating expenses for the health care trust totaled \$0.8 million for 2017 which equated to a total plan fee ratio of 0.34%. The Global Equity asset class contributed the most to the total plan fee ratio at 0.19%. The Global Fixed Income asset class contributed the least to the total plan fee ratio at 0.01%.

				Management								Fee Ratio -		
	Management	Incentive	Operating	and Incentive	Mgmt, Incent,	Average		Fee Ratio -	Fee Ratio -	Fee Ratio -	Fee Ratio -	Mgmt,	% of Total	Contribution
	Fees	Fees	Expenses	Fees	and Op Exp	Balance	Average	Management	Incentive	Operating	Mgmt and	Incent, and	Plan Fee	to Total Plan
Fund Type	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	Weight	Fees	Fees	Expenses	Incent Fees	Ор Ехр	Ratio	Fee Ratio
Passive	0.10	-	0.01	0.10	0.11	167	73.4%	0.06%	0.00%	0.01%	0.06%	0.07%	14.2%	0.05%
Active	0.43	-	0.01	0.43	0.44	47	20.6%	0.91%	0.00%	0.02%	0.91%	0.93%	55.8%	0.19%
Hedged	0.07	0.02	0.01	0.09	0.10	3	1.2%	2.65%	0.61%	0.53%	3.26%	3.79%	13.2%	0.05%
Private	0.12	-	0.01	0.12	0.13	11	4.8%	1.07%	0.00%	0.13%	1.07%	1.20%	16.9%	0.06%
Total Plan	0.72	0.02	0.05	0.73	0.78	228	100.0%	0.31%	0.01%	0.02%	0.32%	0.34%	100.0%	0.34%

Table 7 - Health Care Fees by Management Type

For the total health care trust, active management strategies accounted for 0.19% of the total plan fee ratio and represented 21% of average plan assets. Passive strategies accounted for 0.05% of the total plan fee ratio and represented 73% of plan assets.

Investment Staff			Other Vendors	Total Other	
Salary and Benefits	Consultants	Custodian	and Travel	Costs	Other Costs
(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	Fee Ratio
0.1	0.0	0.1	0.0	0.2	0.10%

Table 8 - Health Care Other Investment Costs

Other investment costs for the health care trust equated to a total fee ratio of 0.10%.

	Ave	rage Wei	ight	Man	agement	Fees	Ince	entive Fe	es	Mgmt	and Ince	nt Fees	Fee Ratio	(Mgmt and	d Incent)	Contrib to	Total Plan	Fee Ratio	Y	oY Attributi	on
Asset Class	2016	2017	Change	2016 (\$ mm)		Change (\$ mm)	2016 (\$ mm) (Change (\$ mm)	2016 (\$ mm)	2017 (\$ mm)	Change (\$ mm)	2016	2017	Change	2016	2017	Change	Due to Weight	Due to Mgmt Fee Ratio	Due to Incent Fee Ratio
Global Equity	30.3%	29.7%	-0.6%	4.3	4.1	-0.2	0.2	2.3	2.1	4.5	6.4	. 1.9	0.74%	1.03%	0.28%	0.23%	0.30%	0.08%	0.00%	-0.02%	0.10%
Passive	12.9%	10.5%	-2.4%	0.3	0.1	-0.1	-	-	-	0.3	0.1	-0.1	0.10%	0.05%	-0.05%	0.01%	0.01%	-0.01%	0.02%	0.00%	0.00%
Active	11.6%	14.9%	3.3%	1.7	2.2	0.4	-	-	-	1.7	2.2	0.4	0.75%	0.70%	-0.05%	0.09%	0.10%	0.02%	-0.01%	-0.01%	0.00%
Hedged	5.8%	4.4%	-1.4%	2.3	1.8	-0.5	0.2	2.3	2.1	2.5	4.1	1.6	2.15%	4.46%	2.31%	0.13%	0.20%	0.07%	-0.02%	0.00%	0.10%
Private Equity	3.6%	2.8%	-0.8%	1.4	1.6	0.2	0.5	1.1	0.6	1.9	2.7	0.8	2.60%	4.56%	1.96%	0.09%	0.13%	0.03%	-0.01%	0.02%	0.03%
Private	3.6%	2.8%	-0.8%	1.4	1.6	0.2	0.5	1.1	0.6	1.9	2.7	0.8	2.60%	4.56%	1.96%	0.09%	0.13%	0.03%	-0.01%	0.02%	0.03%
Global Fixed Income	18.4%	20.1%	1.8%	1.3	1.3	-0.1	0.6	0.6	-0.0	1.9	1.9	-0.1	0.53%	0.44%	-0.09%	0.10%	0.09%	-0.01%	-0.01%	-0.01%	0.00%
Passive	10.7%	12.5%	1.8%	0.2	0.1	-0.0	-	-	-	0.2	0.1	-0.0	0.07%	0.05%	-0.03%	0.01%	0.01%	0.00%	-0.02%	0.00%	0.00%
Active	5.4%	5.6%	0.3%	0.5	0.6	0.1	-	-	-	0.5	0.6	0.1	0.50%	0.49%	-0.01%	0.03%	0.03%	0.00%	0.00%	0.00%	0.00%
Hedged	2.3%	2.0%	-0.3%	0.7	0.6	-0.1	0.6	0.6	-0.0	1.3	1.2	-0.1	2.81%	2.84%	0.03%	0.06%	0.06%	-0.01%	-0.01%	0.00%	0.00%
Private Debt	4.9%	3.8%	-1.1%	1.2	1.0	-0.2	-0.2	-0.8	-0.6	1.1	0.2	-0.9	1.12%	0.28%	-0.84%	0.05%	0.01%	-0.04%	0.00%	0.00%	-0.03%
Private	4.9%	3.8%	-1.1%	1.2	1.0	-0.2	-0.2	-0.8	-0.6	1.1	0.2	-0.9	1.12%	0.28%	-0.84%	0.05%	0.01%	-0.04%	0.00%	0.00%	-0.03%
Real Assets	23.3%	22.4%	-1.0%	3.6	3.7	0.1	1.7	1.0	-0.7	5.3	4.7	-0.6	1.14%	0.99%	-0.15%	0.27%	0.22%	-0.04%	0.00%	0.00%	-0.04%
Passive	11.1%	10.3%	-0.8%	0.2	0.2	-0.0	-	-	-	0.2	0.2	-0.0	0.08%	0.07%	-0.01%	0.01%	0.01%	0.00%	0.01%	0.00%	0.00%
Active	4.0%	4.5%	0.5%	0.3	0.4	0.1	-	-	-	0.3	0.4	0.1	0.39%	0.39%	0.00%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%
Hedged	2.0%	1.7%	-0.2%	1.0	1.0	-0.1	0.6	0.2	-0.4	1.6	1.2	-0.5	4.18%	3.26%	-0.92%	0.08%	0.06%	-0.03%	-0.01%	0.00%	-0.02%
Private	6.3%	5.8%	-0.5%	2.0	2.2	0.2	1.1	0.8	-0.4	3.2	3.0	-0.2	2.55%	2.43%	-0.12%	0.16%	0.14%	-0.02%	-0.01%	0.01%	-0.02%
Absolute Return	12.6%	13.0%	0.4%	4.3	4.3	-0.0	2.1	3.9	1.8	6.4	8.2	1.7	2.56%	2.98%	0.42%	0.32%	0.39%	0.06%	0.01%	-0.02%	0.08%
Hedged	12.6%	13.0%	0.4%	4.3	4.3	-0.0	2.1	3.9	1.8	6.4	8.2	1.7	2.56%	2.98%	0.42%	0.32%	0.39%	0.06%	0.01%	-0.02%	0.08%
Cash	6.8%	8.1%	1.3%	0.1	0.2	0.0	-	-	-	0.1	0.2	0.0	0.11%	0.12%	0.01%	0.01%	0.01%	0.00%	-0.01%	0.00%	0.00%
Passive	6.8%	8.1%	1.3%	0.1	0.2	0.0	-	-	-	0.1	0.2	0.0	0.11%	0.12%	0.01%	0.01%	0.01%	0.00%	-0.01%	0.00%	0.00%
Total Plan	100.0%	100.0%	0.0%	16.3	16.2	-0.1	4.9	8.0	3.1	21.2	24.2	3.0	1.07%	1.15%	0.08%	1.07%	1.15%	0.08%	-0.03%	-0.02%	0.14%

 Table 9 - Pension Year-over-Year Comparison by Asset Class and Management Type

	Av	erage We	ight	Man	agement	Fees	Inc	entive Fe	es	Mgmt	and Incer	nt Fees	Fee Rati	o (Mgmt ar	nd Incent)	Contrib to	Total Plar	ı Fee Ratio	Ye	oY Attributi	on
																				Due to	Due to
				2016	2017	Change	2016	2017	Change	2016	2017	Change							Due to	Mgmt	Incent
Туре	2016	2017	Change	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	2016	2017	Change	2016	2017	Change	Weight	Fee Ratio	Fee Ratio				
Passive	41.6%	41.4%	-0.1%	0.7	0.6	-0.1	-	-	-	0.7	0.6	-0.1	0.09%	0.07%	-0.02%	0.04%	0.03%	-0.01%	0.00%	-0.01%	0.00%
Active	20.9%	25.0%	4.1%	2.6	3.1	0.6	-	-	-	2.6	3.1	0.6	0.62%	0.59%	-0.02%	0.13%	0.15%	0.02%	-0.02%	-0.01%	0.00%
Hedged	22.7%	21.1%	-1.6%	8.3	7.6	-0.7	3.5	7.0	3.5	11.8	14.6	2.8	2.62%	3.30%	0.68%	0.59%	0.70%	0.10%	-0.02%	-0.03%	0.17%
Private	14.8%	12.5%	-2.3%	4.7	4.9	0.2	1.4	1.0	-0.4	6.1	5.9	-0.2	2.09%	2.25%	0.16%	0.31%	0.28%	-0.03%	-0.02%	0.03%	-0.01%
Total Plan	100.0%	100.0%	0.0%	16.3	16.2	-0.1	4.9	8.0	3.1	21.2	24.2	3.0	1.07%	1.15%	0.08%	1.07%	1.15%	0.08%	-0.07%	-0.01%	0.16%

Table 10 - Pension Year-over-Year Comparison by Management Type

Table 11 - Pension Year-over-Year Comparison of Other Costs

	Inv Staff			Other		
	Salary and			Vendors	Total Other	
	Benefits	Consultants	Custodian	and Travel	Costs	Other Costs
	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	Fee Ratio
2016	0.60	0.43	0.36	0.17	1.57	0.08%
2017	0.49	0.64	0.29	0.44	1.86	0.09%
Change	-0.11	0.21	-0.07	0.26	0.29	0.01%

	Av	erage We	ight	Man	agement	Fees	Inc	entive Fe	ees	Mgmt a	and Incer	nt Fees	Fee Rati	o (Mgmt aı	nd Incent)	Contrib to	Total Plar	n Fee Ratio	Ye	oY Attributi	on
Asset Class	2016	2017	Change	2016 (\$ mm)		Change (\$ mm)			Change (\$ mm)	2016 (\$ mm)		Change (\$ mm)	2016	2017	Change	2016	2017	Change	Due to Weight	Due to Mgmt Fee Ratio	Due to Incent Fee Ratio
Global Equity	40.5%	38.9%	-1.6%	0.31	0.42	0.11	-	-	-	0.31	0.42	0.11	0.45%	0.47%	0.01%	0.18%	0.18%	0.00%	0.00%	0.01%	0.00%
Passive	24.5%	22.5%	-2.1%	0.02	0.03	0.00	-	-	-	0.02	0.03	0.00	0.05%	0.05%	0.00%	0.01%	0.01%	0.00%	0.01%	0.00%	0.00%
Active	16.0%	16.5%	0.5%	0.29	0.39	0.10	-	-	-	0.29	0.39	0.10	1.07%	1.04%	-0.03%	0.17%	0.17%	0.00%	0.00%	-0.01%	0.00%
Global Fixed Income	28.2%	27.3%	-0.9%	0.02	0.02	0.00	-	-	-	0.02	0.02	0.00	0.04%	0.03%	-0.01%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%
Passive	28.2%	27.3%	-0.9%	0.02	0.02	0.00	-	-	-	0.02	0.02	0.00	0.04%	0.03%	-0.01%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%
Real Assets	20.1%	18.9%	-1.2%	0.21	0.24	0.03	0.04	0.02	-0.03	0.25	0.26	0.01	0.74%	0.60%	-0.15%	0.15%	0.11%	-0.04%	0.00%	-0.01%	-0.02%
Passive	9.0%	8.8%	-0.3%	0.01	0.01	0.00	-	-	-	0.01	0.01	0.00	0.08%	0.07%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	0.00%
Active	4.3%	4.1%	-0.2%	0.03	0.04	0.01	-	-	-	0.03	0.04	0.01	0.40%	0.39%	-0.01%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%
Hedged	1.7%	1.2%	-0.5%	0.08	0.07	-0.01	0.04	0.02	-0.03	0.12	0.09	-0.03	4.14%	3.26%	-0.88%	0.07%	0.04%	-0.03%	-0.02%	0.00%	-0.01%
Private	5.1%	4.8%	-0.3%	0.09	0.12	0.03	0.00	-	-0.00	0.09	0.12	0.03	1.05%	1.07%	0.02%	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%
Cash	11.1%	14.9%	3.7%	0.02	0.04	0.02	-	-	-	0.02	0.04	0.02	0.11%	0.12%	0.01%	0.01%	0.02%	0.01%	-0.01%	0.00%	0.00%
Passive	11.1%	14.9%	3.7%	0.02	0.04	0.02	-	-	-	0.02	0.04	0.02	0.11%	0.12%	0.01%	0.01%	0.02%	0.01%	-0.01%	0.00%	0.00%
Total Plan	100.0%	100.0%	0.0%	0.55	0.72	0.16	0.04	0.02	-0.03	0.60	0.73	0.13	0.36%	0.32%	-0.03%	0.36%	0.32%	-0.03%	-0.01%	0.00%	-0.02%

Table 12 - Health Care Year-over-Year Comparison by Asset Class and Management Type

Table 13 - Health Care Year-over-Year Comparison by Management Type

	Av	erage We	ight	Man	agement	Fees	Inc	entive Fe	es	Mgmt	and Ince	nt Fees		Fee Ratio		Contrib to	Total Plar	i Fee Ratio	Ye	oY Attributi	on
				2016	2017	Change	2016	2017	Change	2016	2017	Change							Due to	Due to Mgmt	Due to Incent
Туре	2016	2017	Change	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	2016	2017	Change	2016	2017	Change	Weight	Fee Ratio	Fee Ratio				
Passive	72.9%	73.4%	0.5%	0.07	0.10	0.03	-	-	-	0.07	0.10	0.03	0.06%	0.06%	0.00%	0.04%	0.04%	0.00%	0.00%	0.00%	0.00%
Active	20.3%	20.6%	0.3%	0.32	0.43	0.11	-	-	-	0.32	0.43	0.11	0.93%	0.91%	-0.02%	0.19%	0.19%	0.00%	0.00%	0.00%	0.00%
Hedged	1.7%	1.2%	-0.5%	0.08	0.07	-0.01	0.04	0.02	-0.03	0.12	0.09	-0.03	4.14%	3.26%	-0.88%	0.07%	0.04%	-0.03%	-0.02%	0.00%	-0.01%
Private	5.1%	4.8%	-0.3%	0.09	0.12	0.03	0.00	-	-0.00	0.09	0.12	0.03	1.05%	1.07%	0.02%	0.05%	0.05%	0.00%	0.00%	0.00%	0.00%
Total Plan	100.0%	100.0%	0.0%	0.55	0.72	0.16	0.04	0.02	-0.03	0.60	0.73	0.13	0.36%	0.32%	-0.03%	0.36%	0.32%	-0.03%	-0.02%	0.00%	-0.01%

Table 14 - Health Care Year-over-Year Comparison of Other Costs

	Inv Staff			Other		
	Salary and			Vendors	Total Other	
	Benefits	Consultants	Custodian	and Travel	Costs	Other Costs
	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	Fee Ratio
2016	0.05	0.03	0.12	0.01	0.21	0.12%
2017	0.05	0.04	0.10	0.03	0.23	0.10%
Change	0.00	0.02	-0.01	0.02	0.02	-0.02%

Analysis of Pension Year-over-Year Changes by Asset Class

As presented in Table 9, the pension total plan fee ratio (management and incentive fees only) increased by +8 bps from 1.07% in 2016 to 1.15% in 2017. Operating expenses are excluded from this analysis since 2017 is the first year this expense category has been reported.

The largest drivers of the increase from an asset class perspective were Global Equity (+8 bps contribution), Absolute Return (+6 bps contribution), and Private Equity (+3 bps), partially offset by a decrease in Private Debt (-4 bps) and Real Assets (-4 bps).

Asset class weight changes contributed -3 bps to the year-over-year change in total plan fee ratio. Private Equity, Global Fixed Income, and Cash each contributed -1 bp.

Changes in management fee ratios contributed -2 bps to the year-over-year change in total plan fee ratio. The largest reductions were in Global Equity (-2 bps) and Absolute Return (-2 bps) which were partially offset by an increase in Private Equity (+2 bps).

Changes in incentive fee ratios contributed +14 bps to the year-over-year change in total plan fee ratio. Global Equity (+10 bps), Absolute Return (+8 bps), and Private Equity (+3 bps) were the largest contributors, partially offset by a decrease in Real Assets (-4 bps) and Private Debt (-3 bps).

A summary of the key drivers in year-over-year changes to pension fee ratios from 2016 to 2017 for each asset class is below along with comparisons of performance net of fees. The pension plan return increased from 6.3% in calendar year 2016 to 10.6% in 2017.

The **Global Equity** fee ratio increased from 0.74% in 2016 to 1.03% in 2017 due to higher incentive fees to hedged long/short equity managers. The Marketable Alternative Equity composite return increased from 0.7% in 2016 to 12.0% in 2017 leading to higher incentive fees and bringing the fee ratio for hedged Global Equity managers up from 2.15% in 2016 to 4.46% in 2017. Global Equity asset class performance improved from 6.1% in 2016 to 21.7% in 2017.

Private Equity saw an increase from 2.60% in 2016 to 4.56% in 2017 from higher incentive fees and management fees. The performance of Private Equity improved on a time-weighted return basis from 5.3% in 2016 to 15.3% in 2017.

Global Fixed Income decreased from 0.53% in 2016 to 0.44% in 2017. The performance of Global Fixed Income increased from 2.8% in 2016 to 5.1% in 2017.

Private Debt decreased from 1.12% in 2016 to 0.28% in 2017 due to a reduction in incentive fees. The performance of Private Debt on a time-weighted basis declined from 1.4% in 2016 to -6.2% in 2017.

Real Assets was decreased from 1.14% in 2016 to 0.99% in 2017. Incentive fees declined for both hedged and private funds. The performance of Real Assets on a time-weighted basis declined from 13.9% in 2016 to 12.2% in 2017.

Absolute Return increased from 2.56% in 2016 to 2.98% in 2017 due to higher incentive fees. The performance of Absolute Return increased from 1.5% in 2016 to 2.8% in 2017.

Cash was nearly unchanged year over year.

Analysis of Pension Year-over-Year Changes by Management Type and Other Costs

As shown in the Table 10 contribution to total plan fee ratio change column, the largest driver of the +8 bps total plan fee ratio increase was hedge funds (+10 bps change in contribution). The hedge fund increase can be attributed to higher incentive fee ratios (+17 bps) which were partially offset by lower management fee ratios (-3 bps) and a lower weight (-2 bps).

As displayed in Table 11, **Other Costs** increased slightly from 0.08% in 2016 to 0.09% in 2017.

Analysis of Health Care Year-over-Year Changes by Asset Class, Management Type and Other Costs

As seen in Tables 12 and 13, the Health Care total plan fee ratio declined from 0.36% in 2016 to 0.32% in 2017 due to a reduction in weighting toward hedge funds (-2 bps) and reduction in incentive fee ratios for hedge funds (-1 bp).

As displayed in Table 14, Other Costs decreased from 0.12% to 0.10% in 2017.

Table 15 – California Gov	ernment Code §7514.7	⁷ Disclosure, Private Equity
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Fund Name	Address		Commitment	Contributions Since Inception	Remaining		2017 Distributions + Remaining Value of Partnership (5)	Distributed for Calendar Year	Since	Investment Multiple) Since Incept	paid directly to GP and related parties		nses paid from	expenses paid	l Carried o Interest Paid			
		Year	Amount (\$)	(5)	Value (S)							Management Fees	Partnership Expenses	Offsets	Other Expenses	Incentive/Carried	(5)	2017 (\$)
Pathway Private Equity Fund VIII	2211 Michelson Drive, Ninth Floor Irvine, CA 92612	2004	40,000,000	39,713,457	5,051,203	3,831,575	8,882,778	2,240,018	6.90%	1.48	-	130,384	97,499	-	-	305,282	-	488,266
Pantheon Global Secondary Fund III 'B'	600 Montgomery Street, 23rd Floor San Francisco, CA 94111	2006	40,000,000	37,840,000	5,540,830	3,680,000	9,220,830	-	1.89%	1.11	-	259,744	15,374	-	-	-	-	-
Pantheon USA Fund VII	600 Montgomery Street, 23rd Floor San Francisco, CA 94111	2006	40,000,000	36,960,000	23,780,070	7,480,002	31,260,072	3,996,413	10.18%	1.71	-	270,000	10,527	-	-	40,051	-	-
Great Hill Equity Partners IV	One Liberty Square Boston, Massachusetts 02109	2008	5,000,000	4,966,250	3,640,060	1,293,682	4,933,742	715,207	21.57%	2.01	-	64,637	34,799	-	-	473,786	-	568,701
Partners Group Secondary 2008	1660 17th Street, Suite 201 Denver, CO 80202	2008	10,443,016	9,200,259	1,764,255	1,293,581	3,057,836	113,500	9.59%	1.52	-	77,573	415	-	-	27,647	-	-
Partners Group Secondary 2011, L.P.	1660 17th Street, Suite 201 Denver, CO 80202	2011	20,000,000	12,680,419	11,664,941	2,745,624	14,410,565	680,586	20.36%	1.72	-	250,000	5,917	-	-	230,874	-	-
SJFED Private Equity Strategic Partnership, L.P.	325 N. Saint Paul St., Ste. 4900 Dallas, TX 75201	2017	225,305,373	11,392,873	11,458,986	-	11,458,986	-	2.70%	1.00		590,715	121,766		186,293		-	

Source: Fund managers, Meketa Investment Group

Table 16 – California Governmen	t Code §7514.7 Disclosure, Private Debt
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Fund Name	Address		e Commitment Amount (\$)	Since Incention	Remaining	Calendar year	2017 Distributions + Remaining Value of Partnership (S)	Distributed for Calendar Year	Since	Investment Multiple	paid directly to GP						Fees and expenses paid by all portfolio	
		Year										Management Fees	Partnership Expenses	Offsets	Other Expenses	Incentive/Carried	1 (5)	2017 (5)
GSO SJ Partners	345 Park Avenue New York, NY 10154	2010	50,000,000	42,508,660	11,814,303	295,026	12,109,329	264,194	7.43%	1.23	-	186,690	59,079	-	-	(894,687)	-	-
Medley Opportunity Fund II, L.P.	280 Park Avenue, 6th Floor East New York, NY 10017	2010	50,000,000	51,718,681	33,430,285	6,454,138	39,884,423	3,872,483	6.23%	1.30	-	482,136	153,120	(160,799)	-	(1,585)	-	-
White Oak Direct Lending	3 Embarcadero Center, 5th Floor San Francisco, CA 94111	2010	50,000,000	88,171,628	22,820,256	1,022,496	23,842,752	-	4.24%	1.10	281,449	-	28,410	-	-	-	-	-
Cross Ocean USD ESS Fund II, L.P.	11 Charles II St. London, SW1Y4QU	2016	15,000,000	9,007,402	9,874,875	285,851	10,160,726	-	16.65%	1.13	-	61,475	56,593	-	-	104,272	-	-

Source: Fund managers, Meketa Investment Group

Table 17 – California Government Code §7514.7 Disclosure, Private Real Assets

Fund Name	Address	Vintage Year	Commitment	Contributions Since Inception	Remaining		2017 Distributions + Remaining Value of Partnership (\$)	Distributed for	Net IRR Since	Investment Multiple	Fees and expenses paid directly to GP		ises paid from	Fees and expenses paid by all portfolio	Carried Interest Paid			
			Amount (\$)	(5)				Calendar Year 2017 (\$)	Incept (%)	Since Incept	and related parties 2017 (\$)	Management Fees	Partnership Expenses	Offsets	Other Expenses	Incentive/Carried Interest Allocation	(\$)	2017 (\$)
DRA Growth and Income Fund V	220 East 42nd Street, 27th Floor New York, NY 10017	2005	20,000,000	30,475,996	150,142	1,621,508	1,771,650	751,970	5.25%	1.32	-	-	6,522	-	-	-	-	-
DRA Growth and Income Fund VI	220 East 42nd Street, 27th Floor New York, NY 10017	2007	9,709,422	10,556,217	1,587,324	1,446,446	3,033,770	1,215,992	10.88%	1.67	-	37,333	3,039	-	-	(1,106)	-	234,934
Fidelity Real Estate Growth Fund III, L.P.	One Federal Street, 26th Floor Boston, MA 02110	2007	17,850,728	17,850,728	-	1,438,421	1,438,421	-	7.34%	1.33	-	10,864	2,535	-	459	-	-	-
DRA Growth and Income Fund VII, LLC	220 East 42nd Street, 27th Floor New York, NY 10017	2011	15,000,000	15,714,494	10,036,478	8,871,392	18,907,870	3,819,935	19.53%	1.86	-	204,828	40,408	-	-	475,034	-	-
DRA Growth and Income Fund VIII, LLC	220 East 42nd Street, 27th Floor New York, NY 10017	2014	15,000,000	17,060,326	13,659,044	2,935,494	16,594,538	1,100,795	13.00%	1.22	-	300,632	37,715	-	-	284,876	-	-
European Property Investors Special Opportunities 4, L.P.	Berkeley Square House (8th Floor) Berkeley Square, London W1J6DB, UK	2015	14,306,285	6,841,327	6,934,090	265,852	7,199,942	-	12.57%	1.10	-	183,625	16,351	-	-	-	-	-
DRA Growth and Income Fund IX, LLC	220 East 42nd Street, 27th Floor New York, NY 10017	2016	20,000,000	7,195,348	7,079,966	852,277	7,932,243	389,446	20.43%	1.10	-	128,342	21,488	-	-	-	-	-
Global Infrastructure Partners III, L.P.	1345 Avenue of the Americas, 30th Floor, New York, NY 10105	2016	25,000,000	7,314,270	5,622,992	358,587	5,981,579	316,767	-14.27%	0.88	-	436,007	31,873	-	-	-	-	11,992
GEM Realty Fund VI, L.P.	900 North Michigan Avenue #1450, Chicago, IL 60611	2017	10,000,000	500,000	289,617	-	289,617	-	N/A	0.58	-	112,875	19,238	-	21,631	-	7,093	-

Source: Fund managers, Meketa Investment Group

Table 18 – California Government Code §7514.7 Disclosure, Hedge Funds

| Address | _ | | Contributions
Since Inception | Remaining | Distributions for
Calendar year

 | 2017 Distributions +
Remaining Value of
Partnership (5) | Cash Profit
Distributed for

 | Net IRR
Since | Investment
Multiple
Since Incept | Fees and expenses
paid directly to GP
and related parties
2017 (5) | Fees and exper
 | ises paid from | expenses paid
by all portfolio | Carried
Interest Paid | |
 | |
|---|--|---|--|--
--
--

--
--|--
--|--|---|--|--|---
---|---|---|
| | Year | Amount (5) | (5) | Value (\$) | 2017 (5)

 | | Calendar Year
2017 (S)

 | Incept (%) | | | Management
Fees
 | Partnership
Expenses | Offsets | Other
Expenses | Incentive/Carried
Interest Allocation | companies 2017
(\$)
 | 2017 (\$) |
| 1330 Avenue of the Americas, 32nd
Floor
New York, NY 10019 | N/A | N/A | 30,000,000 | - | 19,311,405

 | 19,311,405 | N/A

 | 5.86% | 1.24 | - | 111,767
 | 7,295 | - | - | 92,779 | -
 | 92,779 |
| 650 Fifth Ave
New York, NY 10019 | N/A | N/A | 20,000,000 | - | 16,334,905

 | 16,334,905 | N/A

 | -4.65% | 0.82 | - | 129,047
 | 13,350 | - | - | - | -
 | - |
| 590 Madison Ave., 9th Floor | N/A | N/A | 31,121,198 | 5,534,963 | 20,054,269

 | 25,589,232 | N/A

 | -1.20% | 0.82 | - | 265,180
 | 87,057 | - | - | - | -
 | - |
| 51 Astor Place, 12th Floor | N/A | N/A | 50,000,000 | 213,520 | 5,623,853

 | 5,837,374 | N/A

 | -10.48% | 0.79 | - | -
 | 24,895 | - | - | - | -
 | |
| 520 Madison Avenue, 30th Floor | N/A | N/A | 30,000,000 | 38,890,241 | -

 | 38,890,241 | N/A

 | 5.52% | 1.30 | - | 572,261
 | 26,611 | - | - | 592,836 | -
 | 592,836 |
| 1166 Avenue of the Americas, 9th
Floor | N/A | N/A | 30,000,000 | 41,257,998 | 2,000,993

 | 43,258,991 | N/A

 | 12.17% | 1.44 | - | 1,033,294
 | 48,646 | - | - | 1,389,606 | -
 | 1,389,606 |
| 1 Temasek Avenue #11-01 Millenia
Tower, | N/A | N/A | 25,000,000 | 25,888,599 | -

 | 25,888,599 | N/A

 | 1.69% | 1.04 | - | 396,282
 | 32,191 | - | - | - | -
 | - |
| 16 New Burlington Place, | N/A | N/A | 27,500,000 | 17,603,890 | 15,000,000

 | 32,603,890 | N/A

 | 5.01% | 1.19 | - | 412,357
 | 39,379 | - | - | 261,791 | -
 | 261,791 |
| 777 Third Ave. 30th Floor, | N/A | N/A | 30,000,000 | 30,424,416 |

 | 30,424,416 | N/A

 | 4.76% | 1.01 | - | 150,915
 | 48,437 | - | - | 249,517 | -
 | 249,517 |
| 620 8th Ave., 44th Floor,
New York, NY 10018 | N/A | N/A | 18,000,000 | 15,179,819 | -

 | 15,179,819 | N/A

 | -3.84% | 0.84 | - | 285,806
 | 37,156 | - | - | - | -
 | - |
| 9th Floor Orion House, 5 Upper St
Martin's Lane
London WC2H 9EA | N/A | N/A | 20,000,000 | 19,793,600 | -

 | 19,793,600 | N/A

 | -0.54% | 0.99 | - | 141,129
 | 49,809 | - | - | - | -
 | - |
| 100 St. Paul Street, Suite 800, | N/A | N/A | 13,000,000 | 15,303,172 |

 | 15,303,172 | N/A

 | 13.31% | 1.18 | - | 278,688
 | 31,045 | - | - | 524,547 | -
 | 524,547 |
| 600 Lexington Avenue
New York, NY 10022 | N/A | N/A | 10,000,000 | - | 9,951,702

 | 9,951,702 | N/A

 | -0.27% | 1.00 | - | 62,531
 | 4,961 | - | - | - | -
 | |
| 350 Park Avenue, 18th Floor
New York, NY 10022 | N/A | N/A | 25,000,000 | 21,662,441 | 10,000,000

 | 31,662,441 | N/A

 | 8.78% | 1.27 | - | 371,567
 | 12,260 | - | - | 502,032 | -
 | 455,560 |
| 1370 Avenue of the Americas, 26th
Floor
New York, NY 10019 | N/A | N/A | 30,000,000 | 31,231,571 | 4,388,017

 | 35,619,588 | N/A

 | 12.75% | 1.19 | - | 693,264
 | 28,734 | - | - | 1,294,157 | -
 | 1,294,157 |
| 580 California Street,
San Francisco, CA 94104 | N/A | N/A | 30,000,000 | 6,540,230 | 17,375,009

 | 23,915,239 | N/A

 | 2.79% | 1.13 | - | 230,591
 | 223,069 | - | - | - | -
 | - |
| 580 California Street,
San Francisco, CA 94104 | N/A | N/A | 25,000,000 | 24,646,000 | -

 | 24,646,000 | N/A

 | -2.11% | 0.99 | - | 102,228
 | 112,221 | - | - | - | -
 | - |
| 712 Fifth Avenue, 29th Floor
New York, NY 10019 | N/A | N/A | 40,000,000 | 36,495,040 | -

 | 36,495,040 | N/A

 | -4.67% | 0.91 | - | 959,896
 | 191,979 | - | - | 220,957 | -
 | 220,957 |
| 712 Fifth Avenue, 29th Floor
New York, NY 10019 | N/A | N/A | 3,000,000 | 2,737,128 | -

 | 2,737,128 | N/A

 | -4.67% | 0.91 | - | 71,992
 | 14,398 | - | - | 16,572 | -
 | 16,572 |
| 711 5th Ave #15,
New York, NY 10022 | N/A | N/A | 20,000,000 | 18,261,975 | 10,000,000

 | 28,261,975 | N/A

 | 8.28% | 1.41 | - | 404,668
 | 58,420 | - | - | 716,332 | -
 | 716,332 |
| 510 Madison Ave # 28,
New York, NY 10022 | N/A | N/A | 31,200,000 | 25,767,983 | 15,000,000

 | 40,767,983 | N/A

 | 7.61% | 1.31 | - | 644,718
 | 36,105 | - | - | 806,901 | -
 | 488,979 |
| 650 Fifth Ave | N/A | N/A | 5,000,000 | 5,463,748 | -

 | 5,463,748 | N/A

 | 42.73% | 1.09 | - | 35,411
 | 3,261 | - | - | 115,937 | -
 | 115,937 |
| 650 Fifth Ave | N/A | N/A | 20,000,000 | 20,910,515 | -

 | 20,910,515 | N/A

 | 11.21% | 1.05 | - | 48,988
 | 94,846 | - | - | - | -
 | - |
| 1 Greenwich Plaza,
Greenwich, CT 06830 | N/A | N/A | 20,000,000 | 21,123,071 | -

 | 21,123,071 | N/A

 | 4.98% | 1.06 | - | 308,250
 | 113,654 | - | - | 210,609 | -
 | 210,609 |
| | 1330 Avenue of the Americas, 32nd
Floor
New York, NY 10019
505 Fith Ave
New York, NY 10019
590 Madison Ave., 9th Floor
New York, NY 10022
51 Astor Place, 12th Floor
New York, NY 10003
520 Madison Avenue, 30th Floor
New York, NY 10022
1166 Avenue of the Americas, 9th
Floor
New York, NY 10036
1 Temasek Avenue #11-01 Millenia
Tower,
Singapore 039192
16 New Burlington Place,
London, W1S 2HX, United Kingdom
777 Third Ave. 30th Floor,
New York, NY 10017
620 8th Ave., 44th Floor,
New York, NY 10017
620 8th Ave., 44th Floor,
New York, NY 10018
9th Floor Orion House, 5 Upper St
Martin's Lane
London WC2H 9EA
100 St. Paul Street, Suite 800,
Denver, CO 80206
600 Lexington Avenue
New York, NY 10022
350 Park Avenue, 18th Floor
New York, NY 10022
350 Park Avenue, 18th Floor
New York, NY 10019
580 California Street,
San Francisco, CA 94104
580 California Street,
San Francisco, CA 941 | Address Year 1330 Avenue of the Americas, 32nd Floor Floor N/A 1300 Avenue of the Americas, 32nd Floor New York, NY 10019 650 Fifth Ave 950 Madison Ave., 9th Floor N/A 590 Madison Ave., 9th Floor N/A 501 Astor Place, 12th Floor N/A 502 Madison Avenue, 30th Floor N/A 502 Madison Avenue, 30th Floor N/A 166 Avenue of the Americas, 9th Floor Floor N/A 166 Avenue of the Americas, 9th Floor Floor N/A Singapore 039192 I 16 New Burlington Place, N/A London, W15 2HX, United Kingdom N/A 77 Third Ave. 30th Floor, N/A 9th Floor Orion House, 5 Upper St Matrin's Lane London WC2H 9EA N/A 100 St. Paul Street, Suite 800, N/A 9th Floor Orion House, 5 Upper St Matrin's Lane London WC2H 9EA N/A 100 St. Paul Street, Suite 800, N/A 100 St. Paul Street, Suite 800, | Address Year Amount (5) 1330 Avenue of the Americas, 32nd
Floor N/A N/A New York, NY 10019 N/A N/A 650 Fifth Ave N/A N/A New York, NY 10019 N/A N/A 650 Fifth Ave N/A N/A S0 Madison Ave., 9th Floor N/A N/A New York, NY 10022 N/A N/A 51 Astor Place, 12th Floor N/A N/A New York, NY 10022 N/A N/A 1166 Avenue of the Americas, 9th
Floor N/A N/A New York, NY 10036 1 Temasek Avenue #11-01 Millenia Tower, N/A N/A N/A N/A N/A N/A N/A 16 New Burington Place, N/A N/A N/A London, W15 2HX, United Kingdom N/A N/A 106 Sth Ave., 44th Floor, N/A N/A N/A N/A N/A N/A 100 St. Paul Street, Suite 800, N/A N/A Denver, CO 80206 < | AddressVintage
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FloorN/AN/A30,000,000New York, NY 10036N/AN/A25,000,00011 Temasek Avenue #11-01 Millenia
Tower,N/AN/A27,500,00017 Third Ave. 30th Floor,
N/AN/AN/A18,000,000New York, NY 10017N/AN/A18,000,000620 8th Ave., 44th Floor,
N/AN/AN/A18,000,000New York, NY 10018N/AN/A10,000,0001370 Avenue of the Americas, 26th
FloorN/AN/A10,000,0001370 Avenue of the Americas, 26th
FloorN/AN/A30,000,0001370 Avenue of the Americas, 26th
FloorN/AN/A30,000,000New York, NY 10019N/AN/A30,000,000New York, NY 10019N/AN/A30,000,00012 Fifth Avenue, 29th | Address Vintage
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(s) Remaining
Value (s) 1330 Avenue of the Americas, 32nd
Floor N/A N/A N/A 30,000,000 - 650 Fifth Are
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Floor N/A N/A N/A 30,000,000 41,257,998 New York, NY 10025 N/A N/A N/A 25,000,000 25,588,599 Singapore 039192 I N/A N/A 17,603,890 17,603,890 10 Mer, York, NY 10017 N/A N/A N/A 18,000,000 15,179,819 Martin's Lane N/A N/A N/A 10,000,000 15,179,819 Martin's Lane N/A N/A <t< td=""><td>Address Vintage
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Source: Fund managers, Albourne, State Street, ORS