

Employees' Retirement Plan

Chicago Transit Authority
Employees' Retirement Plan
Performance Summary

September 30, 2015

Total Fund Composite

Market Value: \$1,719.7 Million and 100.0% of Fund

| | Accet Class | MadestVal | 3 Mo Net | % of | Deli 0/ | Dalian Difference |
|---------------------------------|----------------------------|-----------------|----------------|-----------|----------|-------------------|
| | Asset Class | Market Value | Cash Flows | Portfolio | Policy % | Policy Difference |
| Total Fund Composite | | \$1,719,654,009 | -\$34,546,180 | 100.0% | 100.0% | \$0 |
| Total Fixed Income Composite | | \$364,262,377 | \$81,831,367 | 21.2% | 22.0% | -\$14,061,505 |
| U.S. Fixed Income Composite | | \$145,361,240 | -\$192,596 | 8.5% | 9.0% | -\$9,407,620 |
| Baird Advisors | Core Fixed Income | \$48,197,902 | -\$52,852 | 2.8% | | |
| Chicago Equity Partners | Core Fixed Income | \$31,309,574 | -\$45,026 | 1.8% | | |
| Amalgatrust | Int. Fixed Income | \$65,853,765 | -\$94,718 | 3.8% | | |
| Stable Value Composite | | \$113,681,478 | -\$28,806,987 | 6.6% | 7.0% | -\$6,694,303 |
| ABN AMRO | Stable Value | \$26,799,822 | -\$25,016,125 | 1.6% | | |
| Goode | Stable Value | \$86,881,656 | -\$3,790,862 | 5.1% | | |
| Global Fixed Income Composite | | \$105,219,659 | \$110,830,950 | 6.1% | 6.0% | \$2,040,418 |
| Franklin Templeton Global Bond | Global Fixed Income | \$53,503,185 | \$55,917,183 | 3.1% | 3.0% | \$1,913,564 |
| Logan Circle Partners EMD | EM Fixed Income | \$51,716,474 | \$54,913,767 | 3.0% | 3.0% | \$126,854 |
| Total Equity Composite | | \$851,357,508 | -\$68,405,587 | 49.5% | 51.0% | -\$25,666,037 |
| U.S. Equity Composite | | \$548,875,102 | -\$102,658,808 | 31.9% | 36.0% | -\$70,200,341 |
| Large Cap Equity Composite | | \$301,673,258 | -\$31,575,353 | 17.5% | 20.0% | -\$42,257,544 |
| Edgar Lomax | Large-Cap Value | \$78,169,267 | -\$36,235,773 | 4.5% | | |
| Paradigm | Large-Cap Value | \$82,346,011 | -\$5,209,423 | 4.8% | | |
| Decatur | Large-Cap Growth | \$48,441,757 | -\$76,654 | 2.8% | | |
| Northern Trust S&P 500 | Large-Cap Core | \$92,509,072 | \$96,498,744 | 5.4% | | |
| Mid Cap Equity Composite | | \$111,017,271 | -\$30,426,193 | 6.5% | 8.0% | -\$26,555,050 |
| Denali | Mid-Cap Value | \$54,558,596 | -\$195,986 | 3.2% | | |
| Seizert | Mid-Cap Core | \$7,689,750 | -\$25,073,438 | 0.4% | | |
| Nuveen | Mid-Cap Growth | \$48,768,925 | -\$5,156,769 | 2.8% | | |
| Small Cap Equity Composite | | \$136,184,574 | -\$40,657,262 | 7.9% | 8.0% | -\$1,387,747 |
| Ariel | Small-Cap Value | \$47,247,199 | -\$10,142,732 | 2.7% | | |
| Channing | Small-Cap Value | \$30,947,438 | -\$162,821 | 1.8% | | |
| Lombardia | Small-Cap Value | \$23,101,998 | -\$5,142,227 | 1.3% | | |
| The Boston Company | Small-Cap Core | \$31,364,695 | -\$120,224 | 1.8% | | |
| Non-U.S. Equity Composite | | \$302,482,406 | \$34,304,944 | 17.6% | 15.0% | \$44,534,304 |
| Northern Trust ACWI ex US | Non-U.S. Large-Cap Core | \$45,076,112 | \$49,998,461 | 2.6% | | |
| Brown Capital | Non-U.S. Large-Cap Core | \$27,221,881 | -\$116,518 | 1.6% | | |
| Herndon Capital | Non-U.S. Large-Cap Core | \$59,293,411 | -\$15,212,455 | 3.4% | | |
| LSV | Non-U.S. Small-Cap Core | \$51,176,103 | \$55,028,342 | 3.0% | 3.0% | -\$413,517 |
| Northern Trust Emerging Markets | Emerging Markets | \$67,068,396 | -\$75,418 | 3.9% | 3.0% | \$15,478,775 |
| Morgan Stanley Emerging Markets | Emerging Markets | \$52,527,221 | \$59,892,759 | 3.1% | 3.0% | \$937,601 |
| Cash Composite | | \$42,434,858 | -\$44,592,945 | 2.5% | - | \$42,434,858 |

Total Fund Composite

Market Value: \$1,719.7 Million and 100.0% of Fund

| | Asset Class | Market Value | 3 Mo Net Cash Flows | % of Portfolio | Policy % | Policy Difference |
|--|-----------------------------|---------------|------------------------|-------------------|----------|-------------------|
| Hedge Fund Composite | | \$192,033,389 | -\$200,999 | 11.2% | 11.0% | \$2,871,448 |
| BlackRock Multi Manager Partners | Hedged Equity Hedge FoF | \$37,542,585 | \$0 | 2.2% | | |
| Viking Global Investors | Long/Short Hedge Fund | \$10,790,957 | \$0 | 0.6% | | |
| Graham Absolute Return | Hedged Equity Hedge FoF | \$11,200,611 | \$0 | 0.7% | | |
| Magnitude Capital | Multi-Strat. Hedge FoF | \$52,356,771 | \$0 | 3.0% | | |
| Pluscios | Multi-Strat. Hedge FoF | \$38,235,169 | \$0 | 2.2% | | |
| Torshen Capital Plymouth Rock Fund | Multi-Strat. Hedge FoF | \$7,649 | -\$162,533 | 0.0% | | |
| Aetos Multi Strategy Arbitrage Fund | Multi-Strat. Hedge Fund | \$9,130,495 | \$0 | 0.5% | | |
| Aetos Distressed Investment Strategies Fund | Distressed Debt Hedge Fund | \$29,052,024 | \$0 | 1.7% | | |
| Harbinger Capital Partners | Event Driven Hedge Fund | \$3,485,441 | | 0.2% | | |
| Lyster Watson Conservative Alt. Fund | Multi-Strat. Hedge FoF | \$229,127 | | 0.0% | | |
| Keswick Offshore/Sandell Intl Castlerigg Internatio LP | nal Multi-Strat. Hedge Fund | \$2,339 | | 0.0% | | |
| Real Estate Composite | | \$184,709,872 | \$1,029,733 | 10.7% | 10.0% | \$12,744,471 |
| Open-End Real Estate Composite | | \$138,238,896 | -\$1,338,131 | 8.0% | | \$138,238,896 |
| Heitman America Real Estate | Core Real Estate | \$13,850,157 | -\$36,852 | 0.8% | | |
| JPMorgan Strategic Property Fund | Core Real Estate | \$44,742,237 | -\$595,958 | 2.6% | | |
| PRISA I | Core Real Estate | \$43,159,063 | -\$522,507 | 2.5% | | |
| Rreef America II | Core Real Estate | \$13,747,211 | -\$149,700 | 0.8% | | |
| JPMorgan Alternative Property Fund | Value-Added Real Estate | \$47,604 | \$0 | 0.0% | | |
| Jamestown Premier Property Fund | Value-Added Real Estate | \$22,692,625 | -\$33,115 | 1.3% | | |
| Closed-End Real Estate Composite | | \$46,470,976 | \$2,367,864 | 2.7% | | \$46,470,976 |
| Private Equity Composite | | \$84,856,007 | -\$4,207,750 | 4.9% | 6.0% | -\$18,323,234 |
| | | | | | | |

Annualized Performance (Net of Fees)

Market Value: \$1,719.7 Million and 100.0% of Fund

| | | | | | iding oo | 300111301 | 00, 20.0 | | | |
|--------------------------------|-------|--------|--------|-------|----------|-----------|----------|-------|-------|--------|
| | 1 Mo | 3 Mo | YTD | 1 Yr | 2 Yrs | 3 Yrs | 4 Yrs | 5 Yrs | 7 Yrs | 10 Yrs |
| Total Fund Composite | -1.7% | -5.6% | -2.8% | -1.0% | 3.9% | 7.1% | 9.1% | 7.4% | 6.1% | 5.8% |
| Total Fund Policy Benchmark | -2.0% | -5.4% | -2.9% | -0.4% | 4.7% | 7.8% | 10.0% | 8.3% | 6.6% | 5.6% |
| Total Fixed Income Composite | -0.4% | -1.1% | -0.8% | -0.1% | 0.9% | 0.5% | 1.4% | 1.7% | 3.2% | 3.5% |
| Barclays Aggregate | 0.7% | 1.2% | 1.1% | 2.9% | 3.4% | 1.7% | 2.6% | 3.1% | 4.8% | 4.6% |
| U.S. Fixed Income Composite | 0.6% | 1.0% | 1.2% | 2.6% | 2.8% | 1.6% | 2.6% | 2.9% | 4.6% | 4.5% |
| Barclays Aggregate | 0.7% | 1.2% | 1.1% | 2.9% | 3.4% | 1.7% | 2.6% | 3.1% | 4.8% | 4.6% |
| Baird Advisors | 0.6% | 1.1% | 1.1% | 3.1% | 4.1% | 2.3% | 3.6% | 3.8% | - | |
| Barclays Aggregate | 0.7% | 1.2% | 1.1% | 2.9% | 3.4% | 1.7% | 2.6% | 3.1% | 4.8% | 4.6% |
| Chicago Equity Partners | 0.8% | 1.7% | 1.4% | 3.4% | 3.1% | 1.2% | 1.9% | 2.8% | | |
| Barclays Aggregate | 0.7% | 1.2% | 1.1% | 2.9% | 3.4% | 1.7% | 2.6% | 3.1% | 4.8% | 4.6% |
| Amalgatrust | 0.6% | 0.7% | 1.3% | 2.0% | 2.1% | 0.4% | 0.9% | 0.9% | 2.3% | 1.9% |
| Barclays Int Govt/Credit | 0.7% | 0.9% | 1.8% | 2.7% | 2.4% | 1.4% | 2.2% | 2.4% | 4.2% | 4.2% |
| Stable Value Composite | 0.1% | 0.2% | 0.8% | 1.1% | 1.1% | 0.7% | 1.2% | 1.5% | 2.1% | 2.7% |
| Ryan Labs 3Yr GIC | 0.1% | 0.3% | 0.8% | 1.1% | 1.1% | 1.1% | 1.2% | 1.5% | 2.3% | 2.9% |
| ABN AMRO | 0.0% | 0.1% | 0.6% | 0.7% | 0.8% | 0.9% | 1.0% | 1.1% | 1.5% | 2.5% |
| Ryan Labs 3Yr GIC | 0.1% | 0.3% | 0.8% | 1.1% | 1.1% | 1.1% | 1.2% | 1.5% | 2.3% | 2.9% |
| Goode | 0.1% | 0.3% | 0.9% | 1.2% | 1.2% | 1.5% | 1.7% | 1.8% | 2.1% | 2.8% |
| Ryan Labs 3Yr GIC | 0.1% | 0.3% | 0.8% | 1.1% | 1.1% | 1.1% | 1.2% | 1.5% | 2.3% | 2.9% |
| Global Fixed Income Composite | -2.2% | - | - | - | - | - | - | - | - | |
| Barclays Global Aggregate | 0.5% | 0.9% | -2.3% | -3.3% | -1.1% | -1.6% | 0.0% | 0.8% | 3.3% | 3.7% |
| Franklin Templeton Global Bond | -1.6% | | - | | | | | | | |
| Barclays Global Aggregate | 0.5% | 0.9% | -2.3% | -3.3% | -1.1% | -1.6% | 0.0% | 0.8% | 3.3% | 3.7% |
| Logan Circle Partners EMD | -2.7% | | | | | | | | | |
| JP Morgan EMBI Global TR | -1.4% | -2.0% | -0.3% | -2.0% | 3.0% | 0.5% | 5.2% | 4.4% | 7.9% | 6.8% |
| Total Equity Composite | -3.5% | -10.2% | -7.8% | -5.7% | 2.5% | 8.6% | 12.4% | 9.0% | 6.8% | 4.8% |
| Equity Policy Benchmark | -3.5% | -8.1% | -5.4% | -2.7% | 5.3% | 10.7% | 14.3% | 10.8% | 8.3% | 5.9% |
| U.S. Equity Composite | -3.5% | -9.4% | -8.0% | -3.3% | 5.2% | 11.3% | 15.4% | 12.0% | 9.1% | 6.3% |
| Russell 3000 | -2.9% | -7.2% | -5.4% | -0.5% | 8.2% | 12.5% | 16.7% | 13.3% | 9.9% | 6.9% |
| Large Cap Equity Composite | -2.6% | -7.2% | -7.9% | -3.4% | 7.5% | 11.6% | 15.6% | 12.7% | 8.8% | 6.4% |
| Russell 1000 | -2.7% | -6.8% | -5.2% | -0.6% | 8.8% | 12.7% | 16.8% | 13.4% | 10.0% | 7.0% |
| Edgar Lomax | -2.0% | -7.7% | -10.1% | -6.4% | 7.0% | 10.7% | 13.6% | 12.0% | 8.6% | 6.3% |
| S&P 500 Value | -2.8% | -8.3% | -8.7% | -4.3% | 6.2% | 11.2% | 15.8% | 11.9% | 7.7% | 5.4% |
| Russell 1000 Value | -3.0% | -8.4% | -9.0% | -4.4% | 6.6% | 11.6% | 16.1% | 12.3% | 8.2% | 5.7% |
| Paradigm | -2.2% | -6.8% | -7.6% | -1.5% | 8.5% | 13.3% | 17.7% | 13.6% | 9.2% | 6.8% |
| Russell 1000 Value | -3.0% | -8.4% | -9.0% | -4.4% | 6.6% | 11.6% | 16.1% | 12.3% | 8.2% | 5.7% |

Annualized Performance (Net of Fees)

Market Value: \$1,719.7 Million and 100.0% of Fund

| | | | | | iding oc | ptember | 30, 2013 | | | |
|---------------------------------|-------|--------|--------|--------|----------|---------|----------|-------|-------|--------|
| | 1 Mo | 3 Mo | YTD | 1 Yr | 2 Yrs | 3 Yrs | 4 Yrs | 5 Yrs | 7 Yrs | 10 Yrs |
| Decatur | -1.9% | -4.6% | -3.8% | 2.5% | 11.5% | 14.3% | 17.4% | 14.6% | | |
| Russell 1000 Growth | -2.5% | -5.3% | -1.5% | 3.2% | 10.9% | 13.6% | 17.3% | 14.5% | 11.7% | 8.1% |
| Northern Trust S&P 500 | -2.5% | | | | | | | | | |
| S&P 500 | -2.5% | -6.4% | -5.3% | -0.6% | 9.1% | 12.4% | 16.6% | 13.3% | 9.8% | 6.8% |
| Mid Cap Equity Composite | -3.1% | -8.0% | -3.7% | 1.3% | 7.6% | 14.1% | 16.0% | 12.6% | 9.6% | 6.3% |
| Russell MidCap | -3.6% | -8.0% | -5.8% | -0.2% | 7.5% | 13.9% | 17.3% | 13.4% | 11.4% | 7.9% |
| Denali | -1.7% | -6.3% | -2.0% | 3.7% | 9.2% | 17.5% | 18.4% | 14.5% | | |
| Russell MidCap Value | -3.3% | -8.0% | -7.7% | -2.1% | 7.2% | 13.7% | 17.4% | 13.2% | 10.5% | 7.4% |
| Seizert | -5.9% | -12.6% | -11.3% | -8.0% | 2.3% | 14.4% | 17.6% | 12.7% | | - |
| Russell MidCap | -3.6% | -8.0% | -5.8% | -0.2% | 7.5% | 13.9% | 17.3% | 13.4% | 11.4% | 7.9% |
| Nuveen | -4.2% | -8.6% | -2.6% | 2.8% | 8.2% | 12.8% | 16.0% | 13.7% | 12.5% | 8.4% |
| Russell MidCap Growth | -3.9% | -8.0% | -4.1% | 1.4% | 7.7% | 14.0% | 17.0% | 13.6% | 12.1% | 8.1% |
| Small Cap Equity Composite | -5.5% | -14.3% | -11.1% | -6.2% | -0.4% | 9.5% | 15.2% | 10.5% | 9.8% | 6.4% |
| Russell 2000 | -4.9% | -11.9% | -7.7% | 1.2% | 2.6% | 11.0% | 15.9% | 11.7% | 8.6% | 6.5% |
| Ariel | -6.8% | -16.6% | -14.8% | -8.5% | 1.5% | 9.4% | 16.2% | 8.7% | 18.7% | 11.6% |
| Russell 2000 Value | -3.5% | -10.7% | -10.1% | -1.6% | 1.2% | 9.2% | 14.6% | 10.2% | 6.8% | 5.3% |
| Channing | -3.7% | -11.2% | -7.2% | 0.0% | 2.5% | 13.3% | 17.2% | 11.9% | | |
| Russell 2000 Value | -3.5% | -10.7% | -10.1% | -1.6% | 1.2% | 9.2% | 14.6% | 10.2% | 6.8% | 5.3% |
| Lombardia | -4.7% | -12.3% | -11.9% | -4.5% | -1.2% | 8.4% | 13.6% | 10.0% | | |
| Russell 2000 Value | -3.5% | -10.7% | -10.1% | -1.6% | 1.2% | 9.2% | 14.6% | 10.2% | 6.8% | 5.3% |
| The Boston Company | -5.4% | -13.2% | -5.9% | 2.1% | 3.1% | 11.6% | 16.8% | 12.3% | 8.9% | 6.9% |
| Russell 2000 | -4.9% | -11.9% | -7.7% | 1.2% | 2.6% | 11.0% | 15.9% | 11.7% | 8.6% | 6.5% |
| Non-U.S. Equity Composite | -3.3% | -12.0% | -7.0% | -11.6% | -4.2% | 1.8% | 5.1% | 1.8% | 1.3% | 1.0% |
| MSCI ACWI ex USA | -4.6% | -12.2% | -8.6% | -12.2% | -4.1% | 2.3% | 5.3% | 1.8% | 3.2% | 3.0% |
| Northern Trust ACWI ex US | -4.6% | | | | | | | | | |
| MSCI ACWI exUS IMI | -4.4% | -11.8% | -7.5% | -11.0% | -3.3% | 3.2% | 6.0% | 2.5% | 4.2% | 3.7% |
| Brown Capital | -3.3% | -6.5% | 0.9% | -2.8% | 3.5% | 11.0% | 13.1% | 6.9% | | |
| MSCI EAFE | -5.1% | -10.2% | -5.3% | -8.7% | -2.4% | 5.6% | 7.6% | 4.0% | 3.8% | 3.0% |
| Herndon Capital | -4.1% | -12.2% | -6.8% | -10.5% | -4.6% | 0.3% | 4.3% | 1.3% | | |
| MSCI EAFE | -5.1% | -10.2% | -5.3% | -8.7% | -2.4% | 5.6% | 7.6% | 4.0% | 3.8% | 3.0% |
| LSV | -3.4% | | | | | | | | | |
| MSCI EAFE Small Cap | -3.4% | -6.8% | 2.6% | 0.3% | 1.6% | 10.2% | 10.8% | 7.3% | 8.5% | 4.7% |
| Northern Trust Emerging Markets | -3.0% | -17.9% | -15.6% | | | | | | | |
| MSCI Emerging Markets | -3.0% | -17.9% | -15.5% | -19.3% | -8.2% | -5.3% | -0.1% | -3.6% | 2.6% | 4.3% |
| Morgan Stanley Emerging Markets | -1.8% | - | - | | - | | | | | - |
| MSCI Emerging Markets | -3.0% | -17.9% | -15.5% | -19.3% | -8.2% | -5.3% | -0.1% | -3.6% | 2.6% | 4.3% |

Annualized Performance (Net of Fees)

Market Value: \$1,719.7 Million and 100.0% of Fund

| | | | | | • | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | 1 Mo | 3 Mo | YTD | 1 Yr | 2 Yrs | 3 Yrs | 4 Yrs | 5 Yrs | 7 Yrs | 10 Yrs |
| Cash Composite | | | | | | | | | | |
| Hedge Fund Composite | -1.5% | -2.2% | 1.0% | 2.2% | 4.1% | 3.8% | 3.2% | 2.4% | 2.7% | |
| HFRI FOF: Conservative Index | -1.2% | -1.8% | 0.4% | 0.6% | 3.1% | 4.3% | 3.8% | 2.8% | 1.9% | 2.1% |
| BlackRock Multi Manager Partners | -2.7% | -4.6% | -3.1% | -1.8% | 1.8% | 5.0% | 4.9% | 3.3% | 4.6% | |
| HFRI FOF: Conservative Index | -1.2% | -1.8% | 0.4% | 0.6% | 3.1% | 4.3% | 3.8% | 2.8% | 1.9% | 2.1% |
| HFRX Equity Hedge Index | -2.1% | -5.4% | -3.1% | -2.9% | 1.2% | 3.4% | 3.2% | -0.2% | -0.2% | -0.3% |
| Viking Global Investors | -3.4% | -1.8% | 3.7% | 6.1% | | | | | | |
| HFRI Equity Hedge (Total) Index | -1.9% | -6.3% | -2.7% | -2.7% | 1.8% | 4.9% | 5.5% | 3.5% | 4.3% | 3.6% |
| HFRX Equity Hedge Index | -2.1% | -5.4% | -3.1% | -2.9% | 1.2% | 3.4% | 3.2% | -0.2% | -0.2% | -0.3% |
| Graham Absolute Return | -0.5% | -0.7% | 1.4% | 4.7% | | | | - | | |
| HFRI Fund of Funds Composite Index | -1.8% | -3.6% | -1.0% | 0.0% | 3.0% | 4.2% | 3.8% | 2.7% | 2.2% | 2.4% |
| Magnitude Capital | 0.0% | 1.0% | 4.3% | 7.6% | 7.4% | 6.6% | 6.5% | 6.6% | 6.5% | |
| HFRI FOF: Conservative Index | -1.2% | -1.8% | 0.4% | 0.6% | 3.1% | 4.3% | 3.8% | 2.8% | 1.9% | 2.1% |
| Pluscios | -2.5% | -4.1% | -1.1% | -1.2% | 2.1% | 4.1% | 5.1% | 3.8% | | |
| HFRI FOF: Conservative Index | -1.2% | -1.8% | 0.4% | 0.6% | 3.1% | 4.3% | 3.8% | 2.8% | 1.9% | 2.1% |
| Torshen Capital Plymouth Rock Fund | 0.0% | 0.0% | 0.0% | 2.8% | 4.0% | 3.7% | 4.7% | 4.2% | 2.0% | |
| HFRI FOF: Conservative Index | -1.2% | -1.8% | 0.4% | 0.6% | 3.1% | 4.3% | 3.8% | 2.8% | 1.9% | 2.1% |
| Aetos Multi Strategy Arbitrage Fund | -1.3% | -2.8% | -1.6% | -2.2% | 0.9% | | | | | |
| HFRI RV: Multi-Strategy Index | -0.8% | -2.2% | 0.5% | 0.4% | 3.1% | 4.7% | 4.7% | 4.1% | 5.9% | 4.1% |
| Aetos Distressed Investment Strategies Fund | -1.3% | -2.8% | -1.7% | -2.8% | 2.9% | | | - | | |
| HFRI ED: Distressed/Restructuring Index | -2.0% | -5.4% | -4.9% | -8.6% | -1.1% | 3.6% | 4.8% | 3.9% | 4.9% | 4.4% |

Annualized Performance (Net of Fees)

Market Value: \$1,719.7 Million and 100.0% of Fund

| | 1 Mo | 3 Mo | YTD | 1 Yr | 2 Yrs | 3 Yrs | 4 Yrs | 5 Yrs | 7 Yrs | 10 Yrs |
|------------------------------------|-------|-------|-------|--------|--------|-------|-------|-------|-------|--------|
| Real Estate Composite | 2.9% | 2.8% | 9.4% | 12.9% | 13.3% | 13.2% | 12.1% | 12.2% | 1.6% | 4.1% |
| CPI +5% | 0.3% | 0.9% | 5.1% | 5.0% | 5.8% | 6.0% | 6.3% | 6.8% | 6.3% | 6.9% |
| NPI | 1.0% | 3.1% | 10.1% | 13.5% | 12.4% | 11.9% | 11.7% | 12.5% | 5.8% | 8.0% |
| Open-End Real Estate Composite | 3.6% | 3.6% | 11.2% | 14.4% | 12.9% | | - | | - | |
| NFI | 1.2% | 3.7% | 10.8% | 14.1% | 12.7% | 12.5% | 12.0% | 13.0% | 3.3% | 5.7% |
| Heitman America Real Estate | 3.1% | 3.1% | 10.7% | 12.4% | 11.9% | | | | | |
| NFI | 1.2% | 3.7% | 10.8% | 14.1% | 12.7% | 12.5% | 12.0% | 13.0% | 3.3% | 5.7% |
| JPMorgan Strategic Property Fund | 3.1% | 3.1% | 10.7% | 13.4% | 12.2% | 12.7% | 12.4% | 13.3% | 4.2% | 6.5% |
| NFI | 1.2% | 3.7% | 10.8% | 14.1% | 12.7% | 12.5% | 12.0% | 13.0% | 3.3% | 5.7% |
| PRISA I | 4.7% | 4.7% | 11.1% | 15.2% | 13.7% | 13.0% | 12.3% | 14.1% | 2.4% | 5.4% |
| NFI | 1.2% | 3.7% | 10.8% | 14.1% | 12.7% | 12.5% | 12.0% | 13.0% | 3.3% | 5.7% |
| Rreef America II | 3.8% | 3.8% | 11.7% | 14.7% | 13.0% | 13.8% | 12.8% | 13.3% | 4.0% | 5.7% |
| NFI | 1.2% | 3.7% | 10.8% | 14.1% | 12.7% | 12.5% | 12.0% | 13.0% | 3.3% | 5.7% |
| JPMorgan Alternative Property Fund | 0.0% | 0.0% | 0.8% | -26.7% | -12.3% | -9.9% | 0.2% | 2.4% | -8.3% | |
| NFI | 1.2% | 3.7% | 10.8% | 14.1% | 12.7% | 12.5% | 12.0% | 13.0% | 3.3% | 5.7% |
| Jamestown Premier Property Fund | 2.8% | 2.8% | 12.7% | 16.5% | | | | | | - |
| NFI | 1.2% | 3.7% | 10.8% | 14.1% | 12.7% | 12.5% | 12.0% | 13.0% | 3.3% | 5.7% |
| Closed-End Real Estate Composite | 0.6% | 0.5% | 4.1% | 8.5% | 13.4% | | | - | - | - |
| NPI | 1.0% | 3.1% | 10.1% | 13.5% | 12.4% | 11.9% | 11.7% | 12.5% | 5.8% | 8.0% |
| Private Equity Composite | 0.5% | 0.5% | 9.1% | 12.9% | 12.0% | 8.7% | 7.4% | 8.7% | 6.3% | |
| S&P 500 + 3% | -2.2% | -5.7% | -3.1% | 2.4% | 12.3% | 15.7% | 20.1% | 16.7% | 13.0% | 10.0% |

Employees' Retirement Plan

Fee Schedule

| Core Fixed Income | Baird Advisors | 0.22% on the first \$50 million 0.20% on the next \$50 million 0.15% on the Balance | 0.22% \$106,035 | 0.31% |
|---------------------|--------------------------------|---|--------------------|-------|
| Core Fixed Income | Chicago Equity Partners | 0.30% on the first \$25 million 0.25% on the next \$75 million 0.20% on the Balance | 0.29% \$90,774 | 0.31% |
| Int. Fixed Income | Amalgatrust | 0.275% on the first \$100 million 0.20% on the next \$400 million 0.12% on the Balance Minimum of \$200,000 | 0.30% \$200,000 | 0.26% |
| Stable Value | ABN AMRO | 0.08% on the Balance | 0.08% \$21,440 | 0.25% |
| Stable Value | Goode | 0.20% on the first \$50 million 0.15% on the next \$50 million 0.10% on the Balance | 0.18% \$155,322 | 0.24% |
| EM Fixed Income | Logan Circle Partners EMD | 0.65% on the Balance | 0.65% \$336,157 | 0.61% |
| Global Fixed Income | Franklin Templeton Global Bond | 0.62% on the first \$50,000,000 0.51% on the next \$50,000,000 0.45% on the Balance | 0.61% \$327,866 | 0.35% |
| Large-Cap Value | Edgar Lomax | 0.54% on the first \$50 million 0.40% on the next \$25 million 0.35% on the next \$25 million 0.30% on the Balance | 0.49% \$381,092 | 0.51% |
| Large-Cap Value | Paradigm | 0.50% on the first \$50 million 0.40% on the next \$50 million 0.30% on the next \$50 million 0.20% on the Balance | 0.46% \$379,384 | 0.51% |
| Large-Cap Core | Northern Trust S&P 500 | 0.01% on the Balance | 0.01% \$9,251 | 0.04% |
| Large-Cap Growth | Decatur | 0.60% on the first \$50 million 0.40% on the next \$25 million 0.35% on the Balance | 0.60% \$290,651 | 0.65% |
| Mid-Cap Value | Denali | 0.75% on the first \$25 million 0.70% on the next \$25 million 0.65% on the Balance | 0.72% \$392,131 | 0.65% |
| Mid-Cap Core | Seizert | 0.55% on the first \$25 million 0.45% on the Balance | 0.55% \$42,294 | 0.73% |
| Mid-Cap Growth | Nuveen | 0.65% on the first \$25 million 0.50% on the next \$25 million 0.40% on the Balance | 0.58% \$281,345 | 0.78% |
| Small-Cap Value | Ariel | 0.60% on the first \$10 million 0.50% on the next \$10 million 0.40% on the Balance | 0.46% \$218,989 | 0.97% |

Fee Schedule

| Asset Class | Investment Manager | Fee Schedule | Estimated Annual Fee ¹ | Average ² |
|-------------------------|----------------------------------|--|-----------------------------------|----------------------|
| Small-Cap Value | Channing | 1.00% on the first \$25 million 0.90% on the next \$25 million 0.80% on the Balance | 0.98% \$303,527 | 0.97% |
| Small-Cap Value | Lombardia | 1.00% on the first \$20 million 0.85% on the next \$20 million 0.75% on the next \$10 million 0.70% on the Balance | 0.98% \$226,367 | 0.97% |
| Small-Cap Core | The Boston Company | 0.70% on the first \$50 million 0.60% on the next \$50 million 0.50% on the Balance | 0.70% \$219,553 | 0.90% |
| Small-Cap Core | Southern Sun | 1.00% on the first \$50 million 0.95% on the next \$50 million 0.90% on the next \$100 million 0.85% on the Balance | 1.00% \$35,232 | 0.90% |
| Non-U.S. Large-Cap Core | Brown Capital | 0.80% on the first \$50 million 0.70% on the next \$50 million 0.65% on the next \$50 million 0.55% on the Balance | 0.80% \$217,775 | 0.75% |
| Non-U.S. Large-Cap Core | Herndon Capital | 0.55% on the Balance | 0.55% \$326,114 | 0.62% |
| Non-U.S. Small-Cap Core | LSV | 1.00% on the first \$25 million 0.90% on the next \$25 million 0.80% on the Balance | 0.95% \$484,409 | 0.96% |
| Emerging Markets | Morgan Stanley Emerging Markets | 0.85% on the Balance | 0.85% \$446,481 | 0.91% |
| Emerging Markets | Northern Trust Emerging Markets | 0.15% on the Balance | 0.15% \$100,603 | 0.91% |
| Hedged Equity Hedge FoF | BlackRock Multi Manager Partners | 0.75% on the Balance Plus 10% Incentive Fee, above 91-Day T-Bill +1% Hurdle | 0.75% \$281,569 | 1.35% |
| Long/Short Hedge Fund | Viking Global Investors | 1.50% on the Balance Plus 20% Incentive Fee | 1.50% \$161,864 | 1.69% |
| Hedged Equity Hedge FoF | Graham Absolute Return | 2.00% on the Balance Plus 25% performance fee | 2.00% \$224,012 | 1.69% |
| Multi-Strat. Hedge FoF | Magnitude Capital | 1.00% on the Balance Plus 10% Performance Fee, above high watermark Plus 15-30 bps Administration Fee | 1.00% \$523,568 | 1.35% |
| Multi-Strat. Hedge FoF | Pluscios | 1.10% on the Balance Plus 10% Incentive Fee, above 91-Day T-Bill Hurdle | 1.10% \$420,587 | 1.35% |



Employees' Retirement Plan

Fee Schedule

| Asset Class | Investment Manager | Fee Schedule | Estimated Annual Fee ¹ | Average ² |
|--------------------------------|---|--|-----------------------------------|----------------------|
| Multi-Strat. Hedge FoF | Torshen Capital Plymouth Rock Fund | 1.00% on the Balance Plus 10% Performance Fee, above high watermark | 1.00% \$76 | 1.35% |
| Multi-Strat. Hedge Fund | Aetos Multi Strategy Arbitrage Fund | 1.00% on the Balance | 1.00% \$91,305 | 1.69% |
| Distressed Debt Hedge Fund | Aetos Distressed Investment Strategies Fund | 1.00% on the Balance | 1.00% \$290,520 | 1.69% |
| Core Real Estate | Heitman America Real Estate | 1.10% on the first \$10 million 1.00% on the next \$15 million 0.90% on the next \$25 million 0.80% on the next \$50 million 0.70% on the Balance | 1.07% \$148,502 | 1.01% |
| Core Real Estate | JPMorgan Strategic Property Fund | 1.00% on the Balance | 1.00% \$447,422 | 1.01% |
| Core Real Estate | PRISA I | 0.75% on the first \$10 million 0.65% on the next \$15 million 0.60% on the next \$25 million 0.55% on the next \$50 million 0.50% on the Balance Plus 6% Performance Fee Maximum Total Fee of 1.15% | 0.65% \$281,454 | 1.01% |
| Core Real Estate | Rreef America II | 0.95% on the Balance | 0.95% \$130,599 | 1.01% |
| Value-Added Real Estate | Jamestown Premier Property Fund | 0.60% on the Balance Plus 20% Carried Interest, after 7% preferred return and 25% Carried Interest, after 10% preferred return | 0.60% \$136,156 | 1.50% |
| Non-U.S. Large-Cap Core | Northern Trust ACWI ex US | 0.08% on the Balance | 0.08% \$36,061 | 0.85% |
| Total Investment Management Fe | es | | 0.51% \$8,747,585 | 0.65% |

¹ Expense Ratio & Estimated Annual Fee are Based on Market Value at Month End for Open-Ended accounts only.

² Source: Marquette Associates Investment Management Fee Study.