

FUND EVALUATION REPORT

District of Columbia Retirement Board

Quarterly Summary
September 30, 2016



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As of September 30, 2016

Allocation vs. Targets and Policy

	Current Balance	Current Allocation	Policy	Policy Range
US Equity	\$1,592,678,726	24%	21%	17% - 25%
Developed Market Equity	\$1,403,815,876	21%	18%	14% - 22%
Emerging Market Equity	\$725,123,447	11%	9%	7% - 11%
Investment Grade Bonds	\$843,633,059	12%	12%	7% - 17%
TIPS	\$310,708,409	5%	4%	3% - 5%
Foreign Bonds	\$177,797,109	3%	2%	1% - 3%
Emerging Market Bonds	\$251,877,025	4%	3%	2% - 4%
High Yield Bonds	\$242,601,620	4%	3%	2% - 4%
Bank Loans	\$187,853,940	3%	3%	2% - 4%
Private Equity	\$303,044,578	4%	8%	5% - 11%
Real Estate	\$270,112,767	4%	4%	2% - 6%
Infrastructure / Opportunistic	\$119,916,590	2%	2%	0% - 4%
Energy	\$50,106,496	1%	1%	0% - 3%
Absolute Return	\$269,804,432	4%	10%	8% - 12%
Cash	\$25,032,979	0%	0%	0% - 2%
Total	\$6,774,107,054	100%	100%	

Total Fund Aggregate

As of September 30, 2016

Market Value Summary

	Market Value 6/30/16 (\$)	Market Value 9/30/16 (\$)	% of Sector	% of Portfolio
Total Fund Aggregate	6,494,580,975	6,774,107,054	--	100.0
Domestic Equity	1,514,611,922	1,592,678,726	23.5	23.5
Northern Trust Russell 3000 Index	1,267,280,479	1,322,892,096	83.1	19.5
Sands Large Cap Growth Equity	116,629,506	129,679,321	8.1	1.9
Channing Small Cap Value Equity	130,701,937	140,107,309	8.8	2.1
International Developed Market Equity	1,318,811,596	1,403,815,876	20.7	20.7
SSgA MSCI World (ex U.S.) Index - NL	1,067,047,225	1,134,730,142	80.8	16.8
Copper Rock International Small Cap	124,804,645	132,681,483	9.5	2.0
Altrinsic International Equity	126,959,726	136,404,252	9.7	2.0
International Emerging Market Equity	703,136,982	725,123,447	10.7	10.7
SSgA MSCI Emerging Markets Index - NL	597,628,231	608,018,245	83.9	9.0
LSV Emerging Markets Value Equity	105,508,751	117,105,202	16.1	1.7
Fixed Income	1,955,925,358	2,014,471,162	29.7	29.7
BlackRock US Debt Index	839,783,191	843,633,059	41.9	12.5
BlackRock U.S. TIPS	307,690,340	310,708,409	15.4	4.6
DDJ High Yield Bond	225,859,947	242,601,620	12.0	3.6
Stone Harbor Emerging Markets Local Currency Debt	245,960,510	251,877,025	12.5	3.7
Mondrian International Fixed Income	177,187,008	177,797,109	8.8	2.6
Beach Point Loan Fund	159,444,362	187,853,940	9.3	2.8

Total Fund Aggregate

As of September 30, 2016

	Market Value 6/30/16 (\$)	Market Value 9/30/16 (\$)	% of Sector	% of Portfolio
Absolute Return	266,321,589	269,804,432	4.0	4.0
Bridgewater Pure Alpha	266,321,589	269,804,432	100.0	4.0
Private Equity	299,339,695	303,044,578	4.5	4.5
Real Assets	420,928,148	440,135,857	6.5	6.5
Real Estate	267,603,740	270,112,770	61.4	4.0
Northern Trust Global Real Estate Index Fund NL	149,202,421	152,237,488	56.4	2.2
Private Real Estate	118,401,319	117,875,283	43.6	1.7
Infrastructure/Opportunistic	112,333,718	119,916,590	27.2	1.8
Private Energy	40,990,690	50,106,496	11.4	0.7
Cash	15,505,688	25,032,979	0.4	0.4
Northern Trust STIF	15,505,688	25,032,979	100.0	0.4

As of September 30, 2016

Asset Class Performance Summary

	Market Value (\$)	% of Portfolio	QTD (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since
Total Fund Aggregate	6,774,107,054	100.0	4.4	7.4	9.4	9.4	4.4	7.7	4.6	8.7	Oct-82
Total Fund Aggregate¹			4.4	7.3	9.3	9.3	4.3	7.6	4.3	--	
<i>Interim Policy Benchmark</i>			4.2	7.9	10.1	10.1	4.7	7.7	4.9	9.8	Oct-82
<i>Long-Term Policy Benchmark</i>			4.0	7.8	10.5	10.5	4.8	8.1	4.7	9.6	Oct-82
<i>Actual Allocation Benchmark</i>			4.2	7.9	10.3	10.3	5.0	7.9	5.4	--	Oct-82
<i>60% MSCI ACWI / 40% Barclays Global Aggregate</i>			3.5	8.0	10.9	10.9	4.1	7.2	4.6	--	Oct-82
Domestic Equity	1,592,678,726	23.5	5.2	7.8	14.5	14.5	10.1	16.4	7.2	10.0	Jan-87
<i>Russell 3000</i>			4.4	8.2	15.0	15.0	10.4	16.4	7.4	10.1	Jan-87
International Developed Market Equity	1,403,815,876	20.7	6.4	3.6	7.9	7.9	1.4	7.6	2.9	5.6	Apr-87
<i>International Developed Equity Custom Benchmark</i>			6.3	3.1	7.2	7.2	0.3	6.9	2.7	5.2	Apr-87
International Emerging Market Equity	725,123,447	10.7	9.3	16.3	16.3	16.3	-0.8	2.9	--	-0.3	Sep-11
<i>MSCI Emerging Markets</i>			9.0	16.0	16.8	16.8	-0.6	3.0	3.9	-0.2	Sep-11
Fixed Income	2,014,471,162	29.7	1.7	8.3	7.0	7.0	2.4	2.8	4.2	7.5	Dec-82
<i>DCRB Fixed Income Custom Benchmark</i>			1.6	8.3	7.6	7.6	2.9	2.8	4.6	7.5	Dec-82
Absolute Return	269,804,432	4.0	1.3	-6.5	-5.8	-5.8	0.1	0.8	6.6	5.9	Jul-06
<i>HFRI Macro (Total) Index</i>			-1.0	1.7	1.5	1.5	2.6	0.7	3.4	3.2	Jul-06
<i>Spliced Hedge Fund Benchmark</i>			1.4	4.2	5.6	5.6	5.4	3.3	2.7	2.7	Jul-06
Private Equity	303,044,578	4.5	2.7	4.3	0.3	0.3	8.5	8.1	7.4	7.8	Jan-87
<i>Cambridge Spliced US/Global PE & VC Index</i>			2.5	4.5	2.9	2.9	11.7	10.2	9.7	14.0	Jan-87
<i>Russell/MSCI+3% Index</i>			6.1	9.0	15.3	15.3	8.3	13.9	6.6	12.0	Jan-87
Real Assets	440,135,857	6.5	3.3	10.8	13.5	13.5	9.4	--	--	9.0	Jul-12
<i>CPI + 5.5%</i>			1.7	6.2	7.8	7.8	7.0	7.2	7.3	7.1	Jul-12
Real Estate	270,112,770	4.0	2.1	9.7	13.5	13.5	8.6	10.1	1.8	2.2	Apr-88
<i>Real Estate Benchmark</i>			1.4	7.2	9.7	9.7	11.6	11.0	4.9	7.9	Apr-88
<i>Private Real Estate</i>	117,875,283	1.7	2.2	8.3	10.5	10.5	9.8	11.3	3.3	2.4	Apr-88
<i>Cambridge Real Estate (1 Quarter Lagged)</i>			1.2	6.1	7.9	7.9	12.3	10.7	4.3	8.0	Apr-88

¹ Net of fees

Total Fund Aggregate

As of September 30, 2016

	Market Value (\$)	% of Portfolio	QTD (%)	YTD (%)	Fiscal YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since
Infrastructure/Oppportunistic	119,916,590	1.8	4.1	14.5	17.2	17.2	13.0	9.1	--	8.7	Jun-08
<i>Cambridge Infrastructure (1 Quarter Lagged)</i>			2.1	8.5	10.3	10.3	9.7	7.0	8.1	4.8	Jun-08
Private Energy	50,106,496	0.7	9.0	6.3	-2.4	-2.4	9.0	--	--	7.4	Oct-12
<i>CA Energy Upstream, Royalties, and PE (1 Quarter Lagged)</i>			7.2	-13.3	-20.6	-20.6	-17.3	-9.3	1.8	-12.6	Oct-12
Cash	25,032,979	0.4	0.1	0.5	0.5	0.5	0.2	0.2	1.2	4.0	Jul-89
<i>91 Day T-Bills</i>			0.1	0.2	0.2	0.2	0.1	0.1	0.8	3.0	Jul-89