

State Board of Administration Performance Report to the Trustees

Performance Through October 31, 2017

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**STATE BOARD OF ADMINISTRATION
OF FLORIDA**

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CHIEF FINANCIAL OFFICER**

**PAM BONDI
ATTORNEY GENERAL**

**ASH WILLIAMS
EXECUTIVE DIRECTOR & CIO**

TO: Members, State Board of Administration
Governor Rick Scott, Chair
Chief Financial Officer Jimmy Patronis
Attorney General Pam Bondi

FROM: Ash Williams 

DATE: December 15, 2017

SUBJECT: Performance Report to the Trustees for the Month Ending October 31, 2017

Please find attached the SBA's Performance Report to the Trustees for the month ending October 31, 2017. For the fiscal-year to-date as of October 31, 2017, performance for the SBA's three multi-asset class mandates was as follows.

	Actual Return	Benchmark Return	Value Added
FRS Pension Plan	5.36%	5.14%	0.22%
FRS Investment Plan	5.52%	5.16%	0.36%
Lawton Chiles Endowment	6.42%	5.69%	0.73%

Florida Statutes, Section 215.47(6), the "basket clause," requires the Executive Director to report to the Investment Advisory Council any proposed plans to invest in certain investments that are not explicitly authorized. During the month ending October 31, 2017, no proposed plans for such investments were reported to the Investment Advisory Council.

If you have any questions or need additional information, please contact me.

cc: IAC Members
Kristin Olson
Amanda Carey
Michelle Winokur
Ryan West
Robert Tornillo
Stephanie Leeds
Andrew Fay

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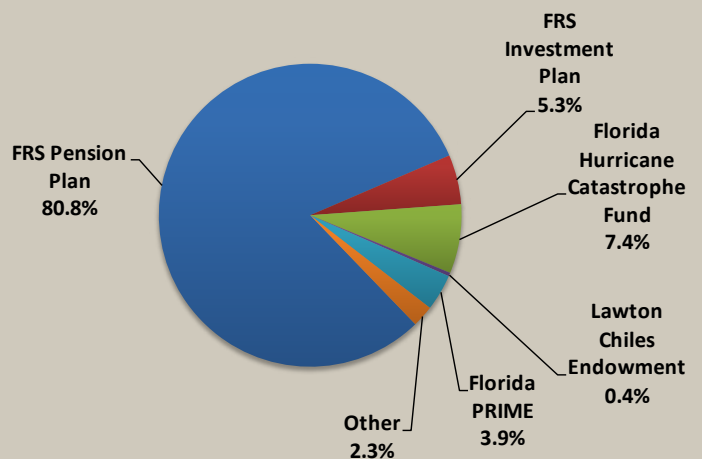
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SUMMARY OF MANDATES

TOTAL FUNDS UNDER MANAGEMENT



BREAKDOWN OF FUNDS UNDER MANAGEMENT



SUMMARY OF MANDATES

Fund Name	COST ¹	MARKET ¹
Florida Retirement System Defined Benefit Pension Plan	124,419,015,792.60	159,389,326,148.86
Florida Retirement System Investment Plan	7,640,578,844.21	10,437,122,691.26
Lawton Chiles Endowment Fund ³	627,544,388.16	744,682,431.61
Debt Service Funds:	-	-
Outstanding (non-escrow)	849,037,797.31	851,077,576.94
Refunded (escrow)	365,550,212.79	365,537,039.09
Gas Tax Clearing Fund	-	-
Florida PRIME	7,668,199,324.64	7,668,829,838.82
Less Florida PRIME holdings in SBA funds ²	(404,808,147.22)	(404,808,147.22)
Florida Hurricane Catastrophe	14,533,154,862.95	14,548,378,742.44
State Board of Administration Finance Corporation	2,791,373,105.54	2,795,327,348.53
Florida Lottery ³	165,132,691.18	301,414,349.25
Retiree Health Insurance Subsidy ³	147,734,065.22	147,734,065.22
Police and Fire Fighters' Premium Tax Trust Fund ³	109,085,306.41	109,085,306.41
Florida Prepaid College Plan Administration Expense ³	929,169.75	929,169.75
Florida Prepaid College Plan Trust Account ³	742,444.11	742,444.11
Florida Prepaid College Plan QMA Account	150,749,262.03	178,664,638.51
Florida College Investment Plan Administration Expense ³	1,486,344.36	1,486,344.36
Florida College Investment Plan QMA Account	46,299,726.12	57,525,674.32
Florida College Investment Plan ³	27,644,285.44	27,644,285.44
Florida ABLE, Inc. Administrative Expense ³	2,437,872.98	2,437,872.98
Florida ABLE, Inc. Program ³	1,256,398.61	1,256,398.61
SBA Administrative Expense Fund:		
SBA Administrative Expense ³	49,155,754.11	49,155,754.11
SBA Defined Contribution Administrative Expense ³	19,062,256.30	19,062,256.30
Division of Bond Finance:		
Revenue Bond Fee ³	5,784,527.35	5,784,527.35
Arbitrage Compliance ³	2,621,356.14	2,621,356.14
Bond Proceeds	1,509,879.90	1,510,056.27
Department of Economic Opportunity (DEO)		
Burnham Institute for Medical Research, Inc. ³	1,513,235.49	1,513,235.49
University of Miami ³	21,294,516.66	21,294,516.66
Florida Division of Blind Services	2,928,866.87	5,476,136.41
Insurance Capital Build-up Program ³	1,688,713.84	1,688,713.84
Inland Protection Finance Corporation ³	1,552.15	1,552.15
Paying Bank Recalls	-	-
Total - All SBA Funds	159,248,704,406.00	197,332,502,324.01

¹ The "Cost" and "Market" columns generally include cash, investment securities, accrued income, pending trades, and the total unrealized gain or loss on invested securities lending cash collateral (if applicable). They do not include security lending income receivable, manager fees payable, and also may not include other receivables or payables that are unique to individual portfolios or funds.

² The line titled "Less Florida PRIME Holdings in SBA Funds" includes the total investments in Florida PRIME held by other SBA managed funds that are already included on this report. In order to prevent double counting, these amounts are shown as a reduction to the Florida PRIME fund.

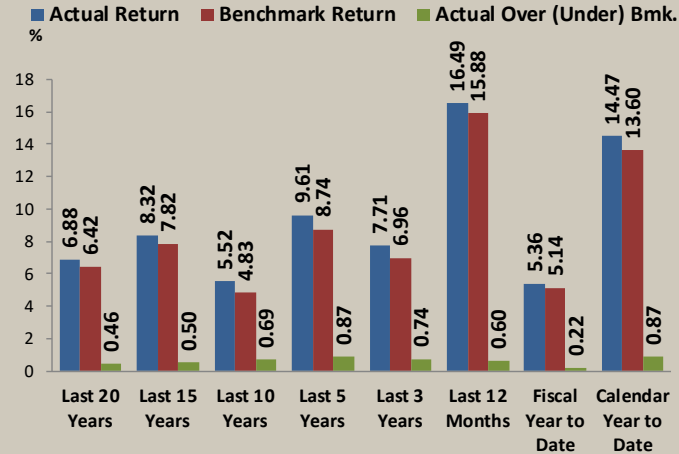
³ Fund is invested completely, or partially, in Florida PRIME.

This information is not audited by an independent auditor.

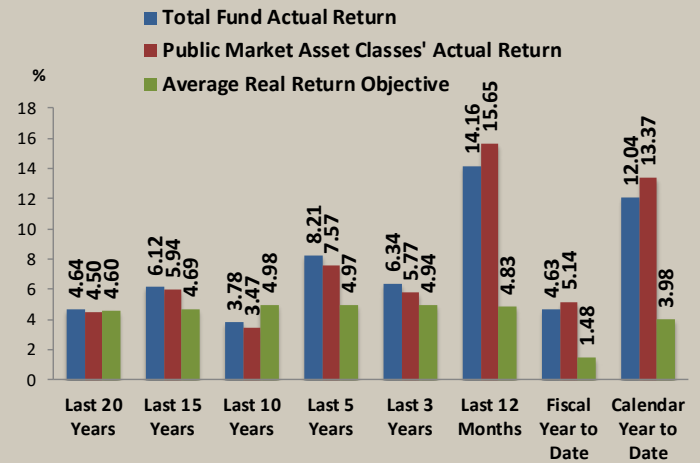
FLORIDA RETIREMENT SYSTEM PENSION PLAN

TOTAL FUND PERFORMANCE & NET ASSET VALUE CHARTS

TOTAL FUND PERFORMANCE

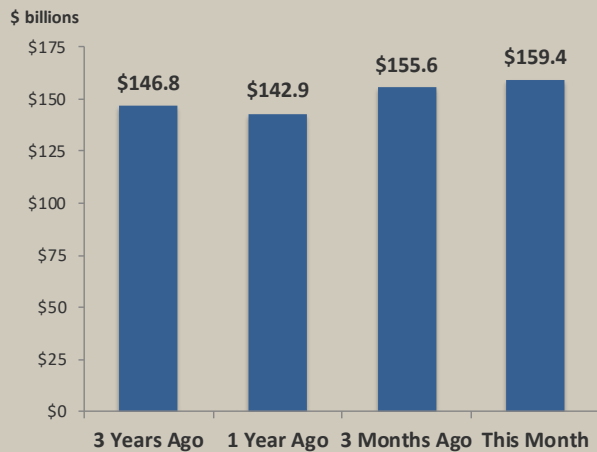


REAL RETURNS (RETURNS NET OF INFLATION)

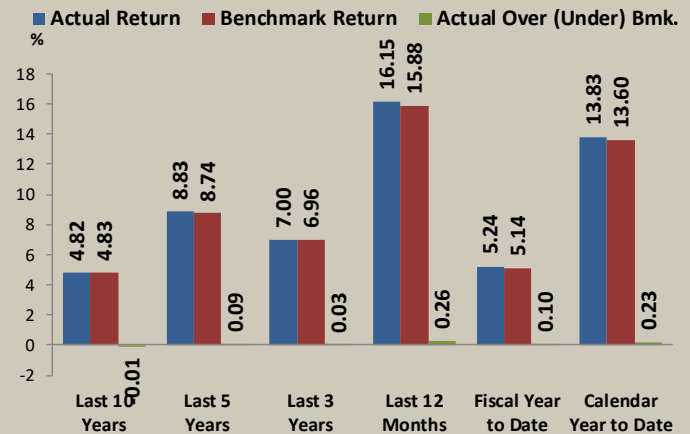


¹ The FRS's real return objective was 4.3% prior to June 2003, 4% from June 2003 to May 2007, 5% from June 1, 2007 to June 2017, and 4.5% since July 2017.

NET ASSET VALUES



RETURNS TO ASSET ALLOCATION



FLORIDA RETIREMENT SYSTEM PENSION PLAN

ASSET CLASS BENCHMARKS, ALLOCATION & CASH FLOWS

ASSET CLASS BENCHMARKS

Asset Class	Index
Global Equity	A custom version of the MSCI All Country World Investable Market Index (ACWI IMI), in dollar terms, net of withholding taxes on non-resident institutional investors, adjusted to reflect the provisions of the Protecting Florida's Investments Act
Fixed Income	The Barclays Capital U.S. Intermediate Aggregate Index
Real Estate	The core portion of the asset class is benchmarked to an average of the National Council of Real Estate Investment Fiduciaries (NCREIF) Fund Index – Open-ended Diversified Core Equity, NET of fees, weighted at 76.5%, and the non-core portion of the asset class is benchmarked to an average of the National Council of Real Estate Investment Fiduciaries (NCREIF) Fund Index – Open-ended Diversified Core Equity, NET of fees, weighted at 13.5%, plus a fixed return premium of 150 basis points per annum, and the FTSE EPRA/NAREIT Developed Index, in dollar terms, net of withholding taxes on non-resident institutional investors, weighted at 10%
Private Equity	The MSCI All Country World Investable Market Index (ACWI IMI), in dollar terms, net of withholding taxes on non-resident institutional investors, adjusted to reflect the provisions of the Protecting Florida's Investments Act, plus a fixed premium return of 300 basis points per annum
Strategic Investments	A weighted-average of individual portfolio level benchmark returns
Cash & Cash Equivalents	iMoneyNet First Tier Institutional Money Market Funds Net Index

CURRENT ASSET ALLOCATION, TARGET AND RANGES

	Current Weight	Policy Weight	Policy Low	Policy High	Actual Low	Actual High
Global Equity	57.7%	53.0%	45.0%	70.0%	57.4%	58.0%
Fixed Income	17.9%	18.0%	10.0%	26.0%	17.9%	18.1%
Real Estate	8.6%	10.0%	4.0%	16.0%	8.5%	8.7%
Private Equity	6.5%	6.0%	2.0%	9.0%	6.4%	6.5%
Strategic Investments	8.1%	12.0%	0.0%	16.0%	8.1%	8.3%
Cash & Cash Equivalents	1.2%	1.0%	0.25%	5.0%	0.7%	1.7%

CASH FLOWS AND INVESTMENT GAIN/LOSS

ASSET CLASS ¹	PERFORMANCE OVER LAST 3 MOS.			PERFORMANCE OVER LAST 12 MOS.		
	TRANSFERS & CONTRIB. ²	RETURNS	CHANGE IN NET ASSET VALUE	TRANSFERS & CONTRIB. ²	RETURNS	CHANGE IN NET ASSET VALUE
Global Equity	(\$2,853.4)	\$4,278.2	\$1,424.9	(\$6,555.2)	\$19,026.9	\$12,471.7
Fixed Income	\$787.1	\$70.2	\$857.3	\$1,562.0	\$247.7	\$1,809.7
Real Estate	\$223.5	(\$152.2)	\$71.3	(\$674.0)	\$603.1	(\$70.9)
Private Equity	(\$70.0)	\$517.7	\$447.7	(\$920.0)	\$1,569.6	\$649.6
Strategic Investments	(\$160.0)	\$305.9	\$145.9	(\$196.6)	\$1,198.8	\$1,002.3
Cash & Cash Equivalents	\$322.1	\$481.4	\$803.6	\$133.6	\$456.4	\$590.0
Total	(\$1,750.7)	\$5,501.2	\$3,750.6	(\$6,650.1)	\$23,102.4	\$16,452.3

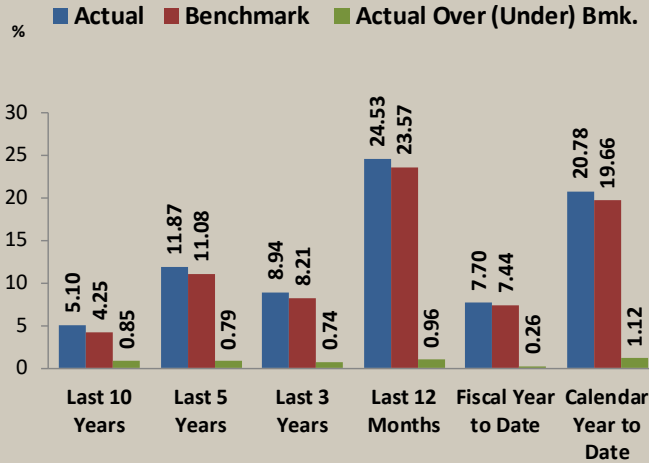
¹Based on available figures as of report time. Unless otherwise stated, all figures are in millions of dollars.

²For all asset classes other than Cash, these figures reflect only inter-asset class transfers. The figure for Cash includes flows external to the fund.

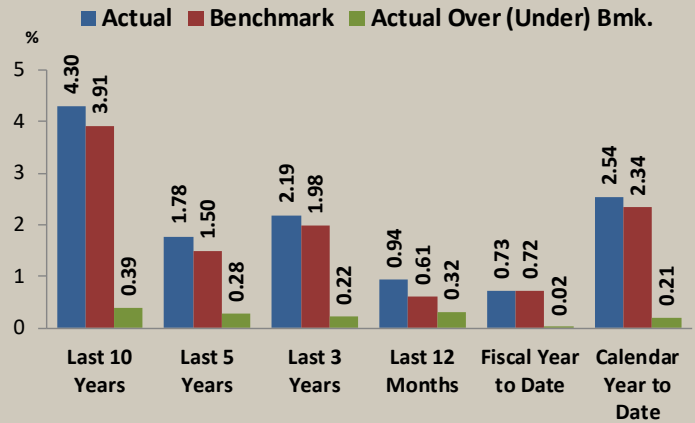
FLORIDA RETIREMENT SYSTEM PENSION PLAN

ASSET CLASS PERFORMANCE CHARTS

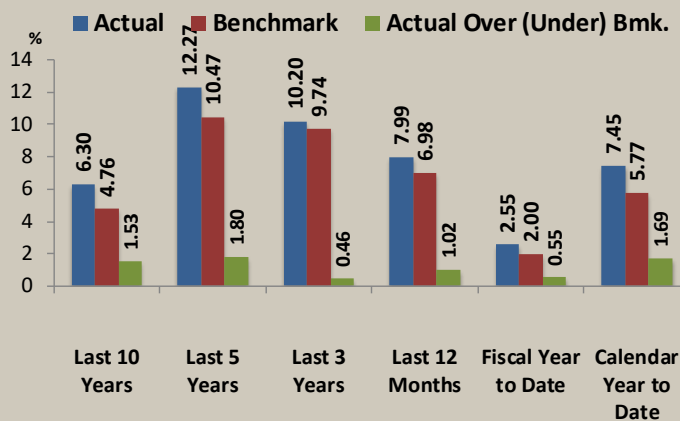
GLOBAL EQUITY PERFORMANCE



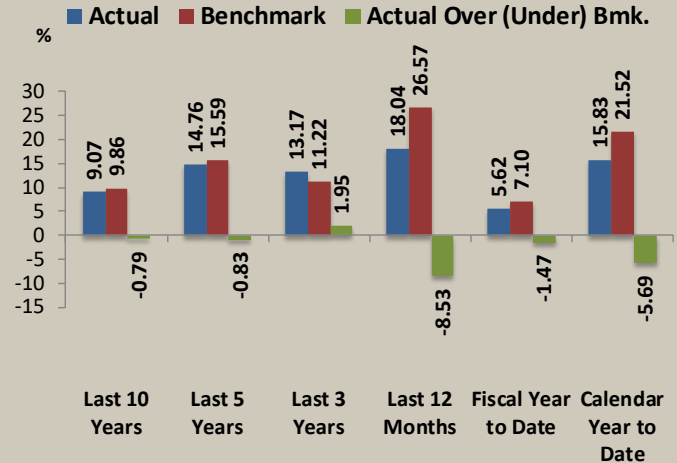
FIXED INCOME PERFORMANCE



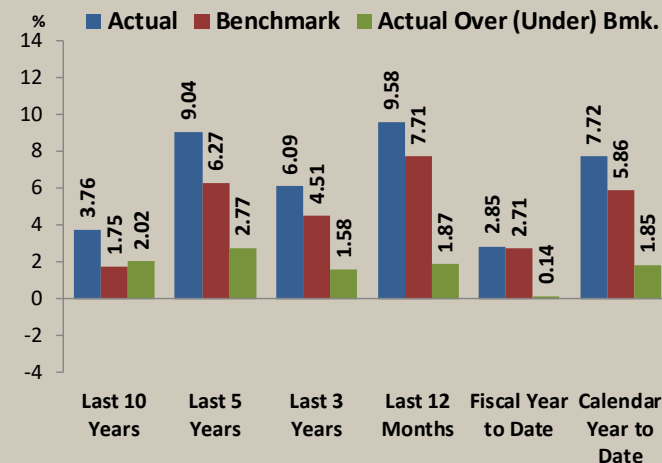
REAL ESTATE PERFORMANCE¹



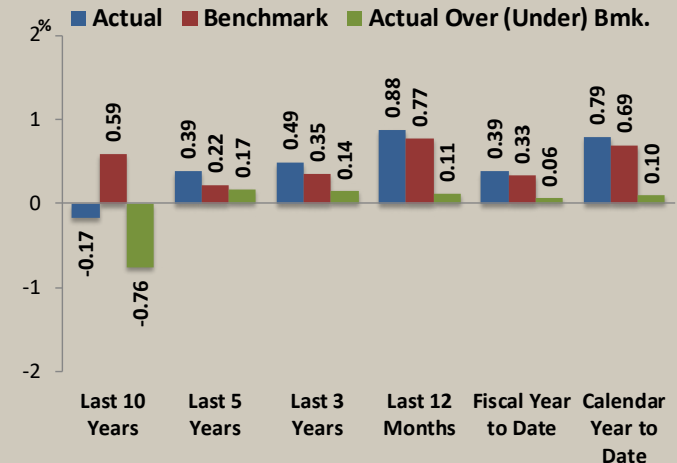
PRIVATE EQUITY PERFORMANCE¹



STRATEGIC INVESTMENTS PERFORMANCE¹



CASH & CASH EQUIVALENTS PERFORMANCE



¹ Private-market valuations are subject to significant delays relative to the reporting period.

FLORIDA RETIREMENT SYSTEM PENSION PLAN

TOTAL FUND & ASSET CLASS ACTIVE RISK

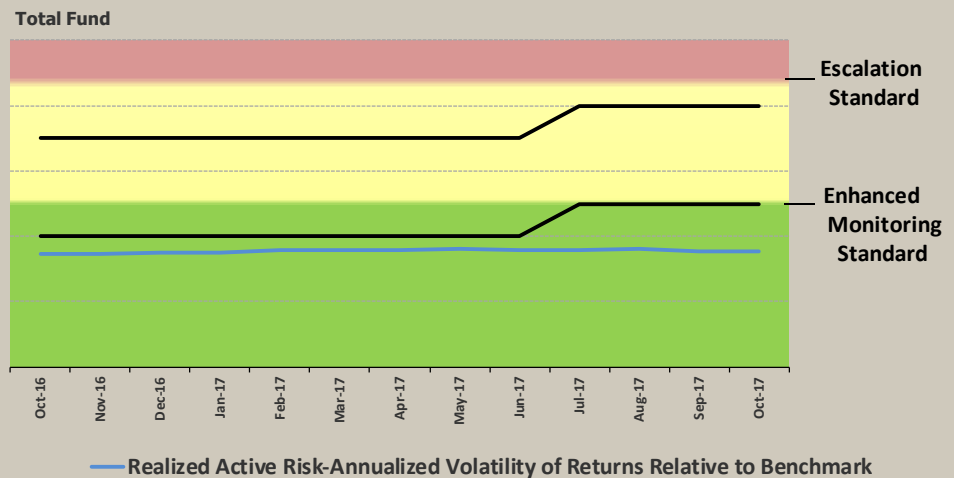
The SBA monitors investment risks relative to established targets. This is referred to as active risk.

Realized active risk represents the volatility of investment performance returns achieved relative to the target benchmark on a 36 month rolling basis.

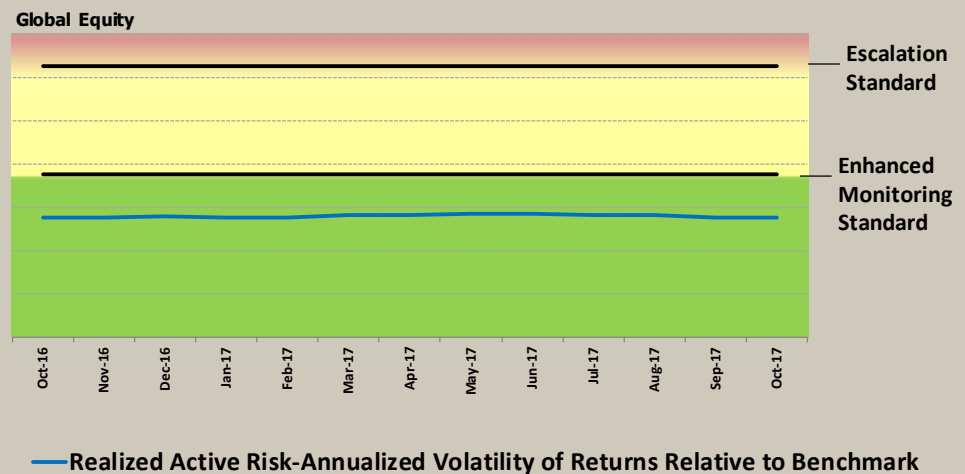
The enhanced monitoring and escalation standards in these charts reflect bands of acceptable active risk levels as established in SBA policy.

Sources, levels, and trends in active risk are regularly evaluated by the SBA Senior Investment Group.

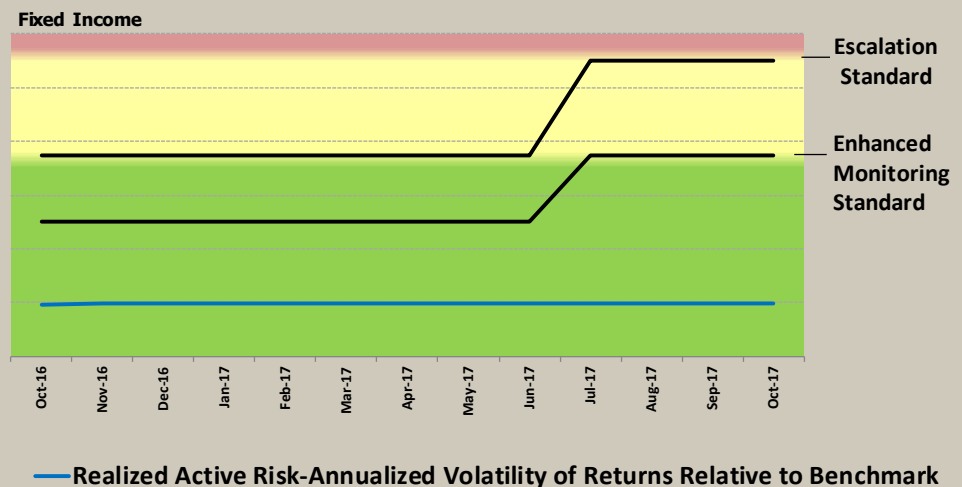
TOTAL FUND RISK



GLOBAL EQUITY RISK



FIXED INCOME RISK

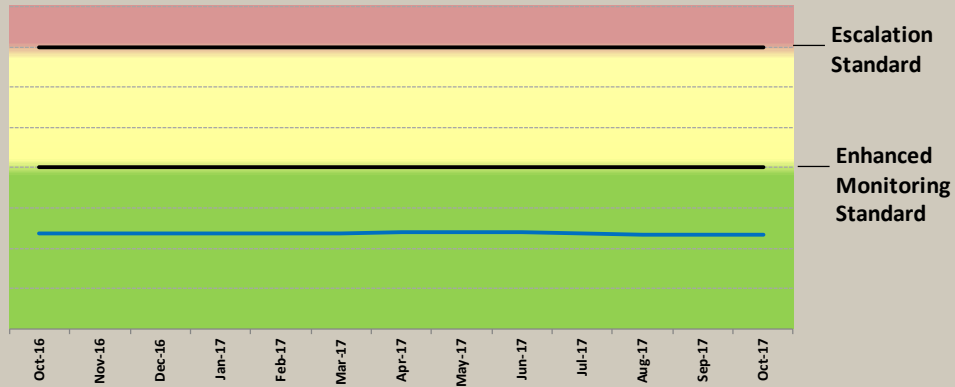


FLORIDA RETIREMENT SYSTEM PENSION PLAN

TOTAL FUND & ASSET CLASS ACTIVE RISK

REAL ESTATE RISK

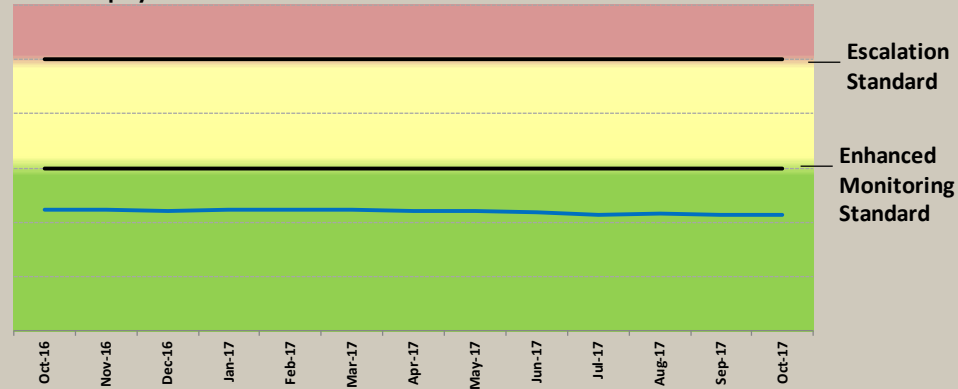
Real Estate



— Realized Active Risk-Annualized Volatility of Returns Relative to Benchmark

PRIVATE EQUITY RISK

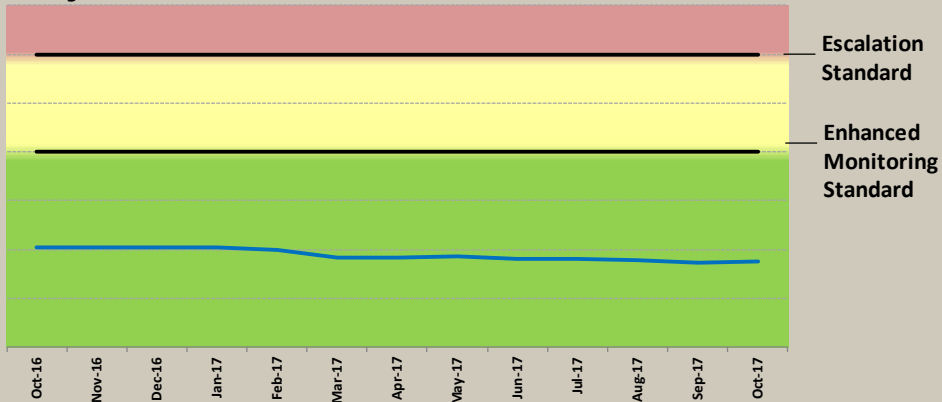
Private Equity



— Realized Active Risk-Annualized Volatility of Returns Relative to Benchmark

STRATEGIC INVESTMENTS RISK

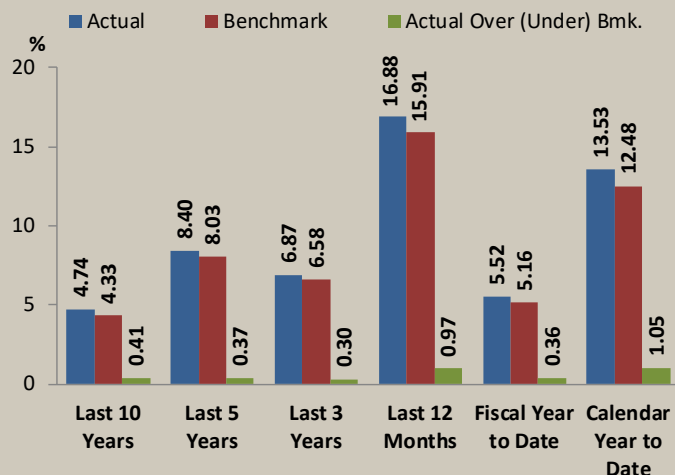
Strategic Investments



— Realized Active Risk-Annualized Volatility of Returns Relative to Benchmark

FLORIDA RETIREMENT SYSTEM INVESTMENT PLAN

TOTAL FUND PERFORMANCE



FUND NET ASSET VALUES



FRS INVESTMENT PLAN ASSET ALLOCATION AND NET RETURNS BY ASSET TYPE

	PERCENT ALLOCATION	PAST 3 MONTHS			PAST 12 MONTHS		
		ACTUAL	BENCHMARK	ACTUAL MINUS BENCHMARK	ACTUAL	BENCHMARK	ACTUAL MINUS BENCHMARK
TOTAL FRS Investment Plan	100.0%	3.58%	3.38%	0.20%	16.88%	15.91%	0.97%
Domestic Equity	44.8%	5.26%	4.93%	0.33%	25.56%	24.22%	1.34%
Foreign Equity	22.5%	4.74%	4.43%	0.31%	24.91%	23.72%	1.19%
Fixed Income	17.2%	0.61%	0.59%	0.02%	2.55%	2.03%	0.52%
Real Assets and TIPS	6.4%	1.10%	1.38%	-0.28%	5.25%	4.67%	0.58%
Money Market Funds	9.0%	0.34%	0.25%	0.09%	1.11%	0.77%	0.34%

Performance figures and totals presented for the FRS Investment Plan do not include balances held in member Self Directed Brokerage Accounts, but they are reflected in total fund figures presented elsewhere in this report.

FLORIDA RETIREMENT SYSTEM INVESTMENT PLAN

CASH FLOWS AND MARKET VALUES¹

	Participant Selections	Contributions ²	Distributions ³	Transfers ⁴	Investment Gain/Loss ⁵	Change in Net Asset Value ⁶	Market Value	Percent of Assets
Retirement Date Fund	152,519	43.9	(51.7)	5.8	63.7	61.8	4,590.9	44.01%
Money Market	16,403	17.8	(52.8)	(15.7)	3.2	(47.4)	890.2	8.53%
Multi-Assets	8,069	0.5	(0.9)	0.5	0.4	0.5	91.5	0.88%
Fixed Income	34,654	3.3	(9.0)	(1.1)	1.9	(4.9)	660.0	6.33%
Domestic Equity	98,029	11.7	(25.9)	2.7	62.8	51.2	2,837.4	27.20%
Foreign Equity	52,473	3.6	(7.1)	3.9	20.4	20.8	801.9	7.69%
Self-Directed	2,937	0.0	0.0	3.9	7.3	11.2	559.7	5.37%
Brokerage Account								

¹ Based on figures provided by the Investment Plan's third-party administrator as of report time. Dollar values are in millions.

² Contributions reflect rollovers in, employer and employee contributions, conversions in (Accumulated Benefit Obligation Transfers, true ups) and account adjustments.

³ Distributions reflect withdrawals and terminations made by participants.

⁴ Transfers reflect transactions that do not require funding and capture movement from one fund to another.

⁵ Reflect the difference of Net Gains / Losses less contributions, distributions, and transfers.

⁶ Reflect the appreciation / depreciation of unit price over the given time period.

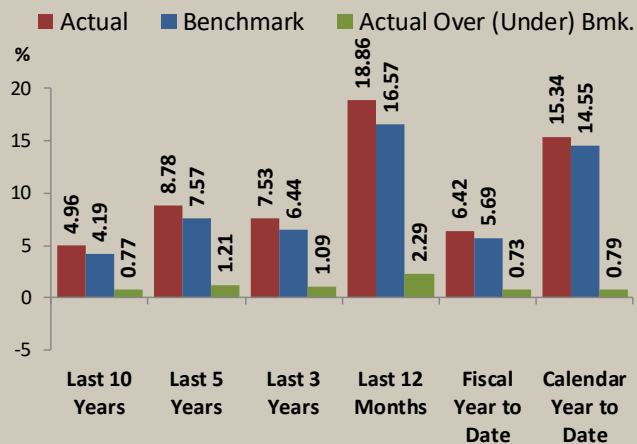
FRS PLAN ELECTIONS

	New Employee						Second Elections						
	Defaults		Pension Plan		Investment		FY Totals		Pension Plan		Investment		FY Totals
FY 12-13	24,930	56.2%	7,319	16.5%	12,087	27.3%	44,336	535	8.6%	5,713	91.4%	6,248	
FY 13-14	29,139	57.3%	8,491	16.7%	13,198	26.0%	50,828	555	8.9%	5,694	91.1%	6,249	
FY 14-15	32,410	58.7%	9,247	16.7%	13,556	24.6%	55,213	635	11.2%	5,058	88.8%	5,693	
FY 15-16	35,107	59.3%	10,375	17.5%	13,755	23.2%	59,237	672	13.1%	4,468	86.9%	5,140	
FY 16-17	34,942	57.5%	11,907	19.6%	13,925	22.9%	60,774	764	16.0%	4,005	84.0%	4,769	
FY 17-18	9,922	58.5%	3,452	20.3%	3,601	21.2%	16,975	234	16.7%	1,165	83.3%	1,399	
Total	166,450	57.9%	50,791	17.7%	70,122	24.4%	287,363	3,395	11.5%	26,103	88.5%	29,498	

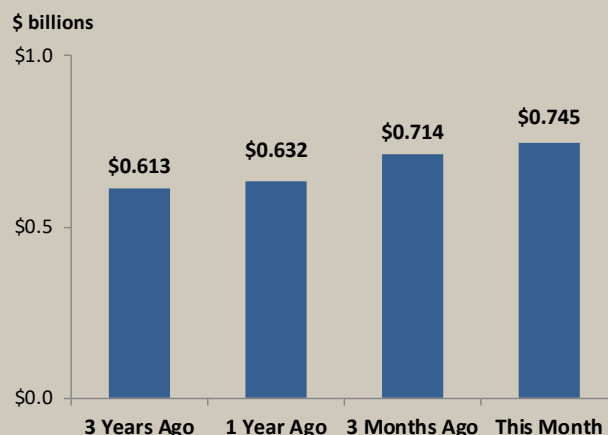
¹ Fiscal Year percentages are as of month end, and may not total due to rounding.

LAWTON CHILES ENDOWMENT FUND

FUND PERFORMANCE



FUND NET ASSET VALUE



CURRENT ASSET ALLOCATION, TARGET AND RANGES

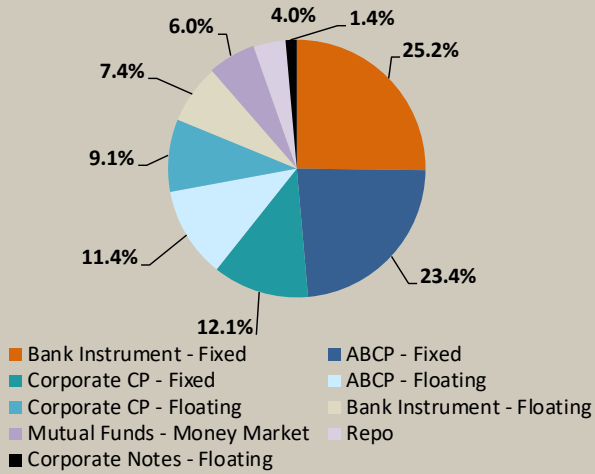
Asset Class	Current Weight	Policy Weight	Policy Low	Policy High	Actual Low	Actual High
Global Equity	73.4%	71.0%	61.0%	81.0%	73.3%	74.2%
Fixed Income	15.4%	17.0%	12.0%	22.0%	14.9%	15.5%
TIPS	9.8%	11.0%	6.0%	16.0%	9.3%	9.8%
Cash & Cash Equivalents	1.5%	1.0%	0.0%	10.0%	1.5%	1.5%

CHILES ENDOWMENT NET RETURNS BY ASSET CLASS

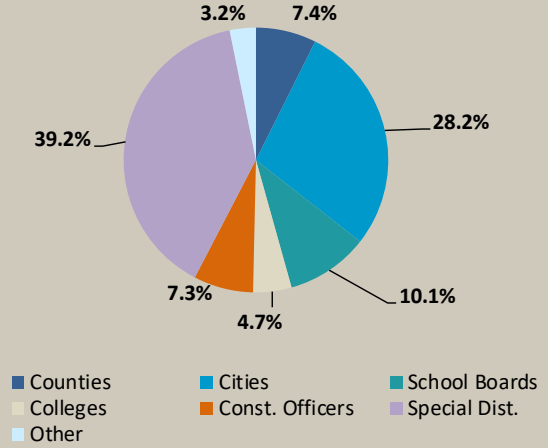
	PAST 3 MONTHS			PAST 12 MONTHS		
	ACTUAL	BENCHMARK	ACTUAL MINUS BENCHMARK	ACTUAL	BENCHMARK	ACTUAL MINUS BENCHMARK
TOTAL LCEF	4.29%	3.46%	0.83%	18.86%	16.57%	2.29%
Asset Allocation	3.56%	3.46%	0.10%	17.08%	16.57%	0.52%
Global Equity	5.66%	4.66%	1.00%	26.28%	23.75%	2.52%
Fixed Income	0.52%	0.47%	0.04%	1.00%	0.90%	0.09%
TIPS	0.66%	0.63%	0.03%	0.07%	-0.11%	0.18%
Cash & Cash Equivalents	0.34%	0.26%	0.08%	1.11%	0.81%	0.30%

FLORIDA PRIME

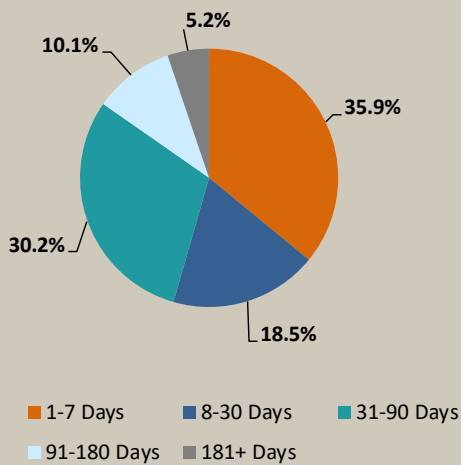
PORTFOLIO COMPOSITION



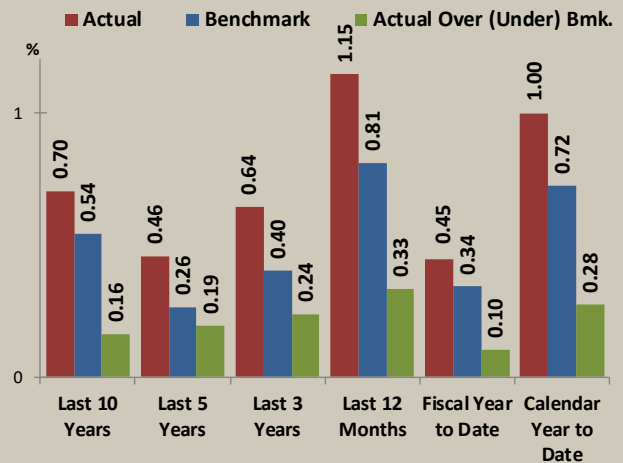
PARTICIPANTS BY TYPE - 730 TOTAL



EFFECTIVE MATURITY SCHEDULE

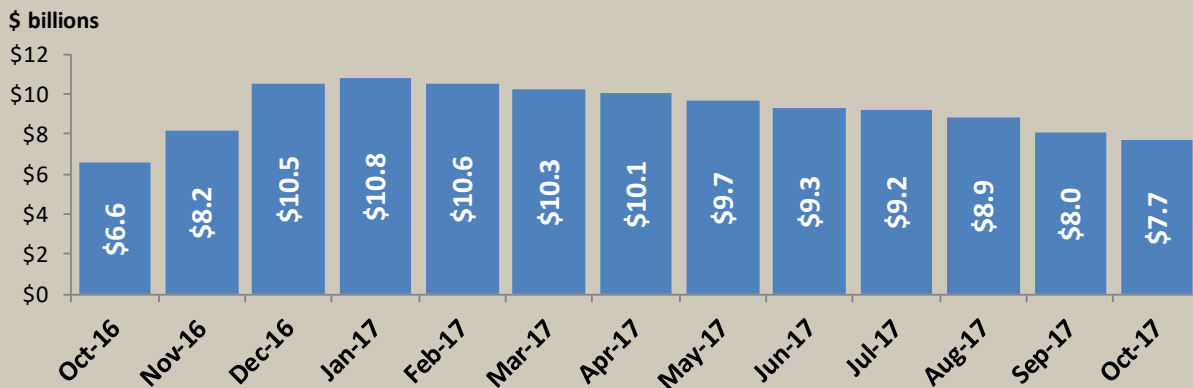


FLORIDA PRIME PERFORMANCE*



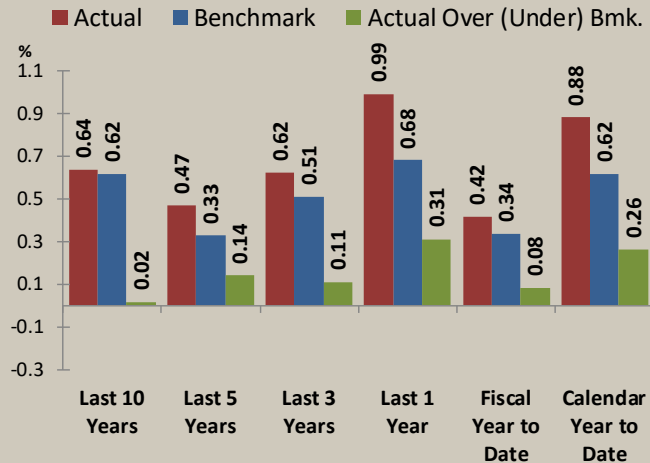
* Return calculated pursuant to Chapter 19-7.011, Florida Administrative Code
Returns less than 1-year are not annualized

FLORIDA PRIME MARKET VALUES



FLORIDA HURRICANE CATASTROPHE FUND

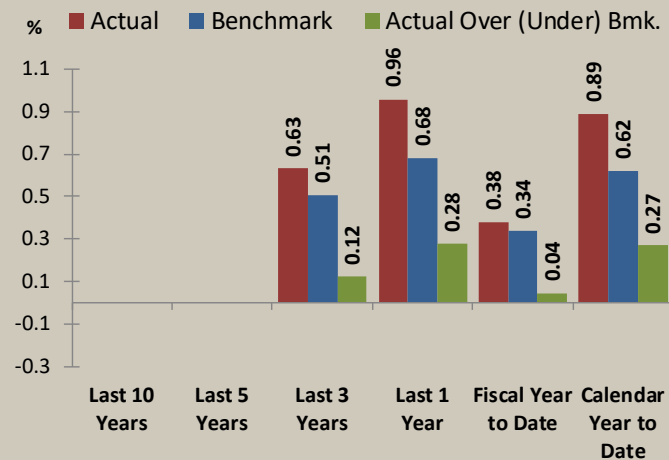
OPERATING FUND PERFORMANCE



OPERATING FUND NET ASSET VALUES



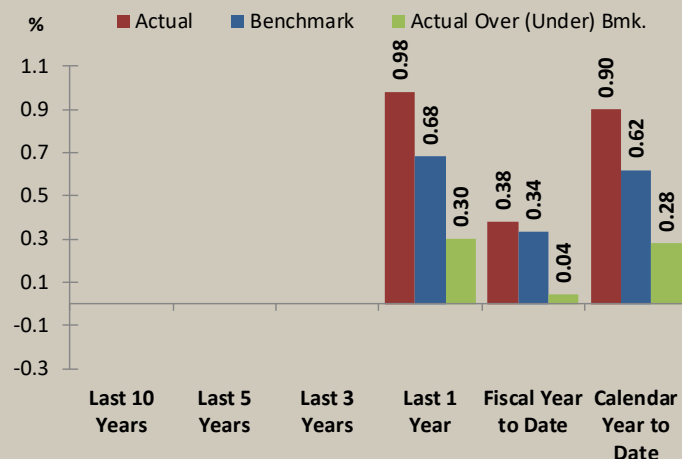
2013A NOTE PROCEEDS PERFORMANCE



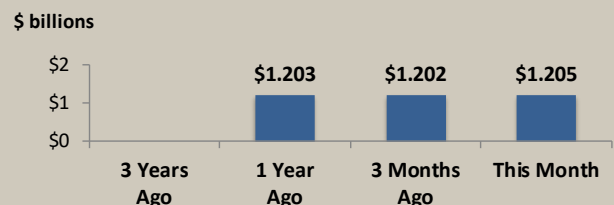
2013A NOTE PROCEEDS NET ASSET VALUES



2016 NOTE PROCEEDS PERFORMANCE



2016 NOTE PROCEEDS NET ASSET VALUES





For more information, please visit:

- www.sbafla.com for additional information about the agency and updates on managed assets,
- www.myfrs.com for more information about the FRS Investment Plan and MyFRS Financial Guidance Program,
- www.sbafla.com/prime for Florida PRIME, and
- www.sbafla.com/fhcf for the Florida Hurricane Catastrophe Fund.

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