# NEW JERSEY DIVISION OF INVESTMENT

### **Director's Report**

May 24, 2017

**State Investment Council Meeting** 

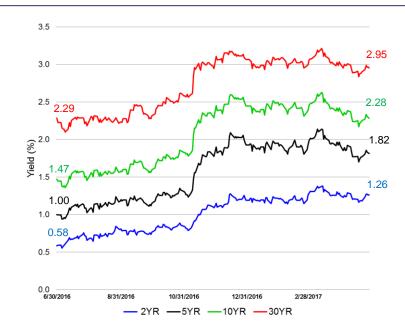
<sup>&</sup>quot;The mission of the New Jersey Division of Investment is to achieve the best possible return at an acceptable level of risk using the highest fiduciary standards."

#### Capital Markets Update (through April 30, 2017)

#### Fiscal Year 2017 Equity Market Returns



#### Fiscal Year 2017 U.S. Treasury Yields

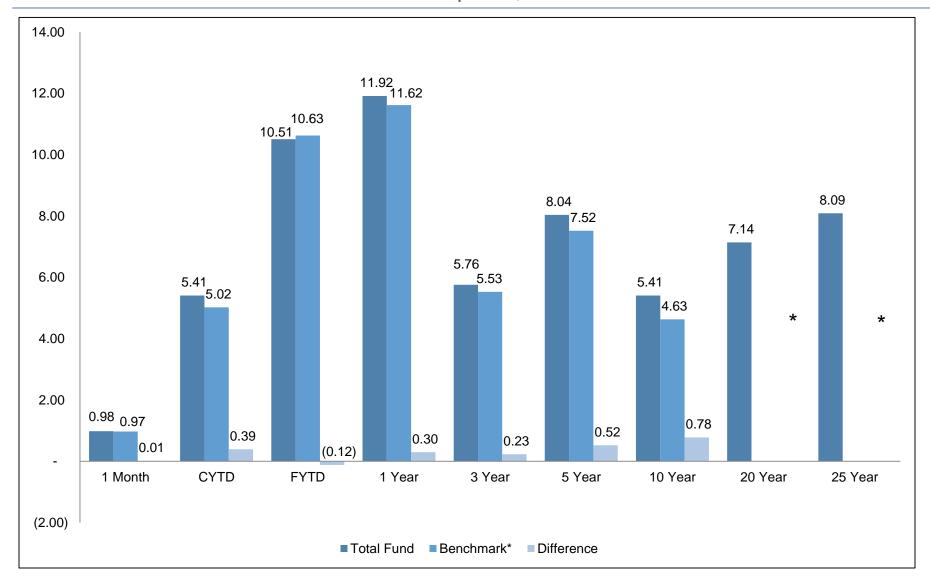


	April 30, 2017	MTD %	CYTD%	FYTD %	1 Yr %	3 Yrs %	5 Yrs %	10 Yrs %	
Domestic	S&P 500	1.03	7.16	15.53	17.91	10.47	13.67	7.15	1
Equity	Russell 2000	1.10	3.58	22.91	25.60	9.02	12.95	7.03	2
International	MSCI EAFE	2.54	9.97	16.22	11.29	0.86	6.78	0.87	3
Equity	MSCI EMF	2.19	13.88	18.99	19.14	1.79	1.49	2.47	4
	Barclays Agg	0.77	1.59	(0.98)	0.83	2.66	2.27	4.30	5
Bond	Barclays HY	1.15	3.89	11.57	13.30	4.74	6.84	7.44	6
	Barclays US Tips	0.59	1.86	0.37	1.73	1.77	0.69	4.22	7
Commodity	Bloomberg	(1.57)	(4.00)	(5.44)	(1.76)	(15.21)	(9.87)	(6.98)	8
Real Estate	Bloomberg REIT	0.56	3.37	(0.56)	8.84	9.70	9.84	4.99	9
<b>Hedge Funds</b>	HFRI Composite Index*	0.59	3.09	7.40	8.24	3.13	4.28	3.20	10

\*Preliminary

Source: Bloomberg

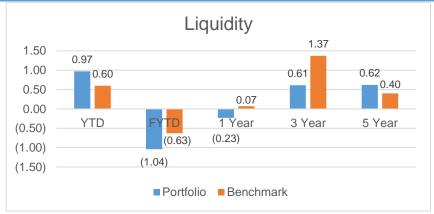
#### Total Fund<sup>(1)</sup> Performance For Periods Ended April 30, 2017

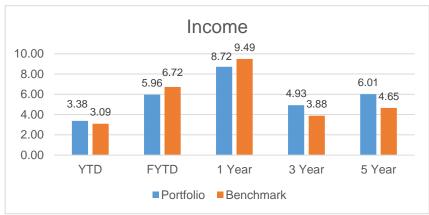


<sup>\*</sup>Benchmark return not available for 20 and 25-Year period; the 1Q17 return for the Private Equity component of the Total Policy Benchmark was unavailable at the time of this report.

<sup>&</sup>lt;sup>1</sup> Total Fund Performance excludes Police & Fire Mortgage Program











<sup>\*</sup> The 1Q17 return for the Private Equity component of the Global Growth Benchmark was unavailable at the time of this report.

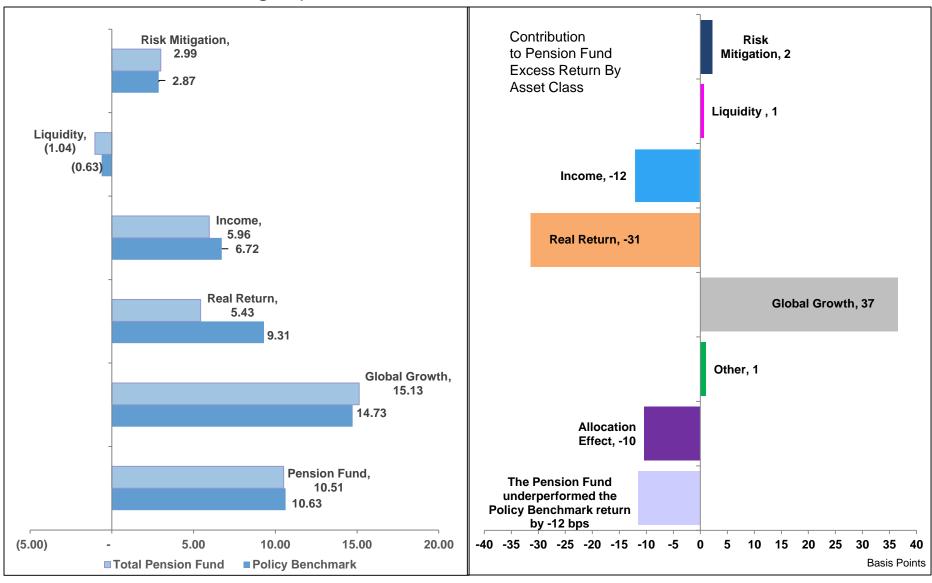
	ASSET ALLOCATION (1) As of April 30, 2017				PERFORMANCE (for periods ending April 30, 2017) <sup>(2)</sup>								
Asset Class					Calendar YTD		FYTD		Trailing Twelve Months		Trailing Three Years		
	Mkt Value	Actual (%)	Target (%)	Difference	NJ	Bench	ИJ	Bench	NJ	Bench	NJ	Bench	
RISK MITIGATION													
Absolute Return HFs	2,942	4.00%	5.00%	-1.00%	1.18%	1.14%	2.99%	2.87%	3.48%	3.43%	2.11%	3.24%	
Risk Mitigation Hedging	196	0.27%	0.00%	0.27%	1.1076	1.1476	2.3376	2.07 /6	3.40 /6	3.4376	2.11/6	3.24 /6	
TOTAL RISK MITIGATION	3,138	4.26%	5.00%	-0.74%	1.18%	1.14%	2.99%	2.87%	3.48%	3.43%	2.11%	3.24%	
LIQUIDITY													
Cash Eqv	3.086	4.19%	5.50%	-1.31%	0.35%	0.17%	0.91%	0.35%	1.21%	0.40%	1.06%	0.19%	
Short Term	1,256	1.71%	0.00%	1.71%	0.44%	0.17%	0.94%	0.35%	1.13%	0.40%	0.60%	0.19%	
TIPS	370	0.50%	0.00%	0.50%	2.28%	1.37%	-0.33%	-2.10%	0.90%	-0.72%	0.95%	1.48%	
US Treasuries	1,318	1.79%	3.00%	-1.21%	1.88%	1.37%	-4.41%	-2.79%	-2.63%	-0.65%	1.08%	2.32%	
TOTAL LIQUIDITY	6,030	8.19%	8.50%	-0.31%	0.97%	0.60%	-4.41% -1.04%	-2.79% - <b>0.63%</b>	-2.63% - <b>0.23%</b>	0.07%	0.61%	1.37%	
INCOME	7.440	0.700′	40.000′	0.000/	0.4007	4.000/	0.4001	0.470/	4.0001	0.000/	0.5401	0.400′	
Investment Grade Credit	7,140	9.70%	10.00%	-0.30%	2.13%	1.88%	0.13%	-0.17%	1.98%	2.06%	3.54%	3.12%	
Public High Yield	1,521	2.07%	2.50%	-0.43%	4.08%	3.89%	11.35%	11.57%	12.76%	13.30%	4.98%	4.74%	
Global Diversified Credit	3,402	4.62%	5.00%	-0.38%	5.35%	3.89%	13.35%	11.57%	18.48%	13.30%	8.96%	4.74%	
Credit-Oriented HFs	1,981	2.69%	1.00%	1.69%	4.64%	4.62%	10.74%	12.70%	15.64%	17.44%	3.65%	2.30%	
Debt-Related PE	698	0.95%	2.00%	-1.05%	0.81%	4.23%	5.05%	17.85%	6.43%	24.42%	6.88%	8.11%	
Debt Related Real Estate	435	0.59%	1.00%	-0.41%	2.57%	2.39%	-0.16%	7.02%	-1.39%	14.39%	4.29%	7.56%	
TOTAL INCOME	15,178	20.62%	21.50%	-0.88%	3.38%	3.09%	5.96%	6.72%	8.72%	9.49%	4.93%	3.88%	
REAL RETURN													
Commodities	190	0.26%	0.00%	0.26%	1.78%	-3.80%	-1.76%	-5.06%	7.81%	-1.32%			
Private Real Assets	1,895	2.58%	2.50%	0.08%	3.38%	8.06%	10.41%	20.38%	17.55%	17.85%			
Equity Related Real Estate	3,905	5.31%	6.25%	-0.94%	3.36%	1.88%	3.81%	5.72%	8.70%	7.79%	12.23%	11.04%	
TOTAL REAL RETURN	5,990	8.14%	8.75%	-0.61%	3.39%	3.65%	5.43%	9.31%	11.24%	10.45%	7.29%	4.77%	
GLOBAL GROWTH													
US Equity	21,535	29.26%	30.00%	-0.74%	7.22%	6.81%	17.62%	15.85%	19.40%	18.30%	9.31%	10.46%	
Non-US Dev Market Eq													
Emerging Market Eq	8,360	11.36%	11.50%	-0.14%	9.72%	9.16%	14.91%	15.53%	10.98%	10.74%	0.94%	0.70%	
	4,797	6.52%	6.50%	0.02%	14.07%	14.10%	18.68%	19.03%	19.76%	19.39%	1.26%	2.02%	
Buyouts/Venture Cap	6,815	9.26%	8.25%	1.01%	1.77%	0.00%	5.83%	6.58%	8.03%	6.83%	13.84%	7.85%	
Equity-Oriented HFs TOTAL GLOBAL GROWTH	1,125 <b>42,632</b>	1.53% <b>57.93%</b>	0.00% <b>56.25%</b>	1.53% <b>1.68%</b>	5.24% <b>7.40%</b>	3.84% <b>7.00%</b>	14.02% <b>15.13%</b>	10.47% <b>14.73%</b>	13.89% <b>15.61%</b>	12.13% <b>14.99%</b>	2.19% <b>6.92%</b>	4.46% <b>6.87%</b>	
	12,002			110070	111070	110070	1011070	1 111 0 70	1010170	1110070	0.0270	0.01 /0	
OTHER													
OPPORTUNISTIC PE	290	0.39%			2.58%		5.60%		6.42%				
OTHER	338	0.46%											
TOTAL FUND <sup>(3)</sup>	73,596	100.00%			5.41%	5.02%	10.51%	10.63%	11.92%	11.62%	5.76%	5.53%	
				S&P 500	7 1	6%	15.	53%	17	01%	10	170/	
			Rı	Russell 2000		3.58%		22.91%		17.91% 25.60%		10.47% 9.02%	
			MSCI EAFE		9.97%		16.22%		11.29%		0.86%		
			MSCI EMF		13.88%		18.99%		19.14%		1.79%		
					1.59%		-0.98%		0.83%		2.66%		
			Barclays Agg Barclays HY		3.89%		11.57%		13.30%		4.74%		
	Bloomberg Commodities			-4.00%		-5.44%		-1.76%		-15.21%			
		BIOC											
			Bloomberg REIT			3.37%		-0.56%		8.84%		9.70%	
				HFRI	3.0	)9%	<u>7</u> .4	.0%	8.2	24%	3.1	3%	

<sup>&</sup>lt;sup>1</sup> Current assets do not include receivables of \$257 million related to Real Estate secondary sale

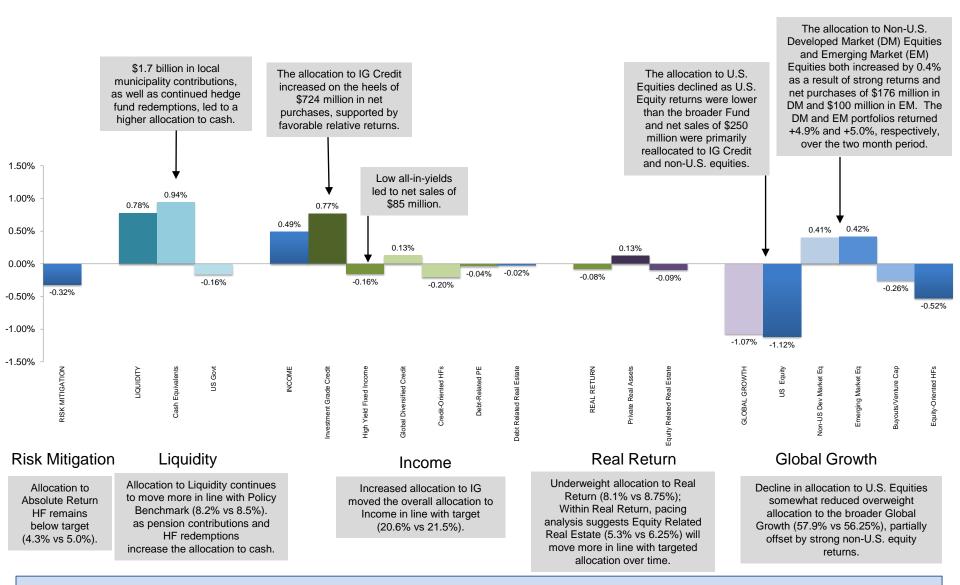
<sup>&</sup>lt;sup>2</sup> The 1Q17 return for the Private Equity component of the Global Growth and Total Policy Benchmark was unavailable at the time of this report. <sup>3</sup> Total Fund Performance excludes Police & Fire Mortgage Program

#### Performance by Asset Class Fiscal Year to Date through April 30th, 2017

#### Pension Fund Attribution vs. Benchmark Fiscal Year to Date through April 30th, 2017



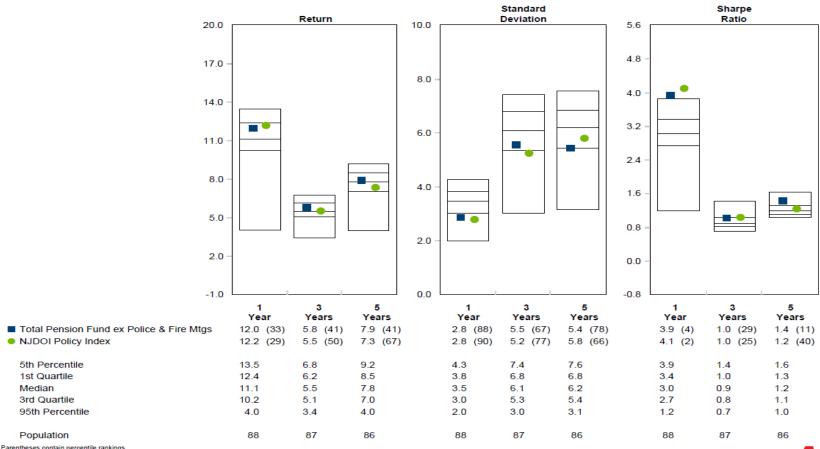
#### Pension Fund Update: Change in Sector Allocation from February 28, 2017 – April 30, 2017



Strong non-U.S. Equity returns and a modest redistribution out of U.S. Equities led to a higher allocation to both DM and EM equities that is more in line with targeted allocations.

#### NJ Pension Fund Performance Comparison versus Peers





Parentmeses contain percentule rankings.
All Public Plans > \$1B - Ottal Fund: A Universe comprised of Total Fund portfolio returns, gross of fees, of public defined benefit plans > \$1B calculated and provided by BNY Mellon Performance & Risk Analytics and Investment Metrics
NJDOI Net of Fee Performance Surres: State Street



The Fund's net returns ranked above the median peer universe of gross returns for the one, three, and five year periods ended March 31, 2017.

The Fund's risk-adjusted returns ranked in the top quartile for the one and five year periods.

Source: Aon Hewitt, BNY Mellon and State Street

Note: While the peer comparison is presented using a universe of gross returns, the NJ Fund's returns are presented on a net of all fees basis

## Noteworthy Developments

<u>Legislative Update:</u> Senate Bill 3040, which would transfer investment authority over PFRS assets from the Division to the PFRS Board of Trustees, passed the Senate and Assembly. The Governor issued a conditional veto of the bill on May 8<sup>th</sup>.

Retirement of International Equity Portfolio Manager: Karen Paardecamp, Head of International Equities, has announced her retirement, effective June 1, 2017. Ms. Paardecamp has 18 years of State service, including the last 9 with the Division. In light of Ms. Paardecamp's planned retirement, the Division is now reassessing its staffing needs. In the interim, responsibilities have been allocated between two internal investment professionals with prior experience working on the International Equity team. Extensive training and knowledge transfer has been ongoing and the Division expects to have a smooth transition to a new leadership team within International Equities.

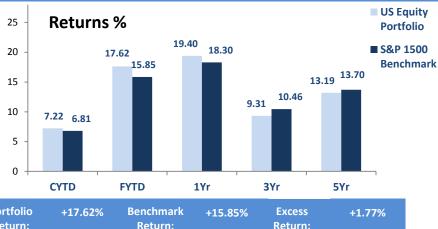
- On November 30, 2016, the Division notified the SIC under its Notification Procedures of negotiations to transfer the GP interest in two partnerships managed by GM Asset Management (NJDOI/GMAM Core Plus Real Estate Investment Program, L.P. and NJDOI/GMAM Opportunistic Real Estate Investment Program, L.P.) GM is exiting third-party management in the wake of its corporate reorganization.
- The Division negotiated favorable economics with BlackRock Investment Management, the new manager
  of the partnerships. BlackRock will manage the partnerships for a fee of 45bps vs. 116bps (blended rate)
  charged by GM, resulting in an estimated fee savings of \$232,000 for the first year.
- In connection with the transfer, the two partnerships were renamed. NJDOI/GMAM Core Plus Real Estate Investment Program, L.P. was renamed NJDOI Core Plus Real Estate Investment Program, L.P. and NJDOI/GMAM Opportunistic Real Estate Investment Program, L.P. was renamed NJDOI Opportunistic Real Estate Investment Program, L.P.
- The transfer took effect on April 5, 2017.

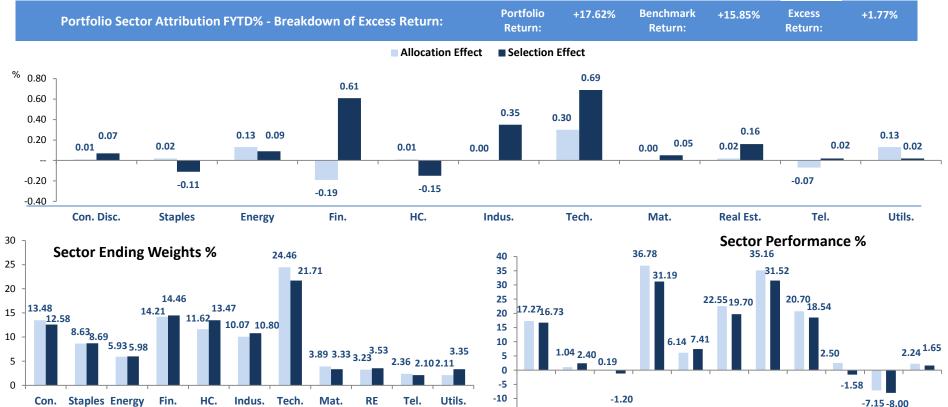
**Purpose of Notification:** The Division is notifying the SIC of these modifications under its Modification Procedures.

# Performance Appendix

#### U.S. Equity Portfolio – As of April 30<sup>h</sup> 2017

The 17.62% return for the US equities portfolio outpaced the S&P 1500 benchmark by 177 basis points during the fiscal 2017 year-to-date time period. Importantly, first quarter corporate earnings were tracking toward 14% year-over-year growth, the strongest result in 22 quarters on improving economic conditions. Information technology was the best performing sector, increasing 31.59% fiscal year-to-date, barely ahead of the financials 31.19% return. Telecom services, real estate and energy were the laggards on higher interest rate expectations and lower oil prices. Stock selection for the fund was strongest among information technology, financials, and industrials, while healthcare and consumer staples lagged the benchmark.





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Disc.

Staples Energy

HC.

US Equity Portfolio

Indus.

Tech.

■ S&P 1500

Mat.

Real

Est.

Tel.

Utils.

Source: State Street, Factset

US Equity Portfolio

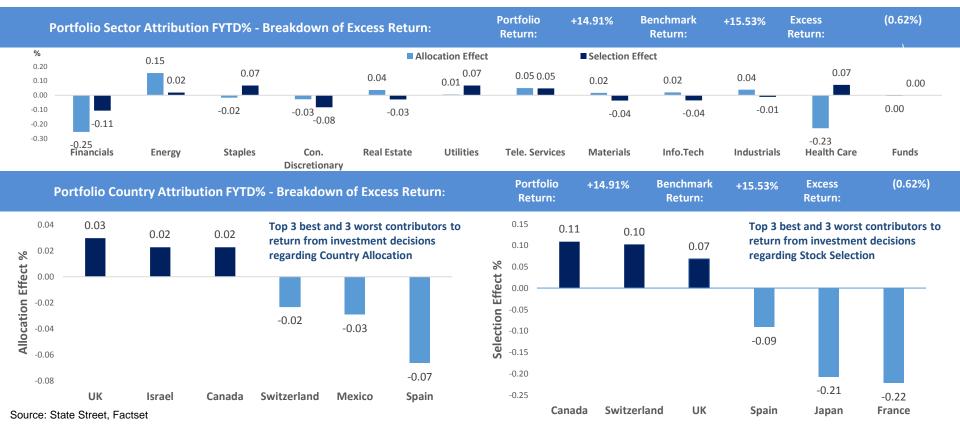
■ S&P 1500

Disc.

#### Non-US Developed Markets Equity Portfolio – As of April 30th 2017

For the fiscal year through April 30<sup>th</sup>, the Non-US Developed Markets Equity Portfolio returned 14.91% versus the Benchmark return of 15.53%. Renewed optimism regarding the global growth outlook spurred a strong rally in markets starting at the end of 2016, especially in Europe (YTD Europe has outperformed the US: 7.1% vs. 6.49% in local currency), as strong macroeconomic data and favorable outcomes in the Dutch and French elections eased some of the uncertainty over the stability of the European Union. Portfolio performance benefitted from both the underweight allocation to and stock selection in the UK, as returns were hurt from an unexpectedly stronger pound and the triggering of Article 50 to officially exit the European Union. The underweight to Energy, which returned 2.88%, also positively contributed. Detracting from performance was the underweight allocation to and stock selection in Financials (+31% return), as financials experienced a turnaround in sentiment due to a rising perception its bad loan and profitability issues are improving. The overweight allocation to Healthcare also adversely impacted returns, as Healthcare underperformed.



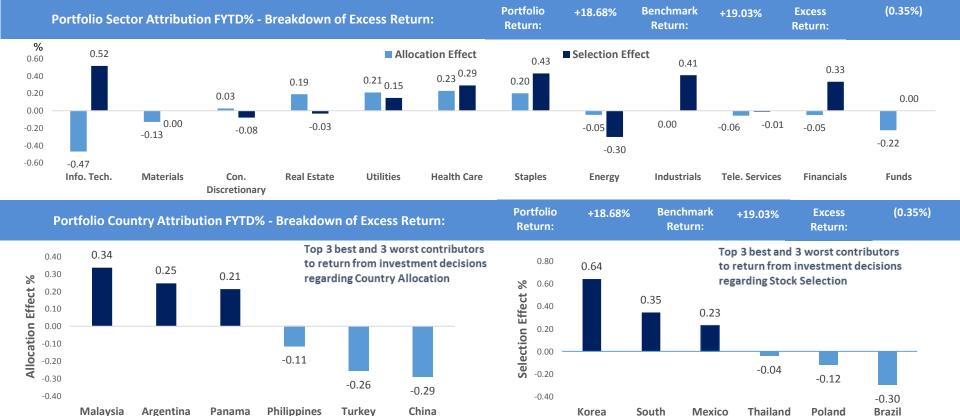


For the fiscal year through April 30<sup>th</sup>, the Emerging Markets Equity Portfolio returned 18.68% versus the Benchmark return of 19.03%. Emerging market equities outperformed developed markets during this time period (19% vs. 16%) as markets proved resilient in the midst of concerns about Chinese economic stability, trade protectionism, and geopolitics – in particular, a failed coup attempt in Turkey and the presidential impeachments in South Korea and Brazil. The beginning of 2017 included weak US economic data and disappointing progress in fiscal policy implementation; this helped to cause a decline in the USD (YTD, the DXY is down 3.6%) which in turn gave greater support to the strong returns of the emerging markets. Portfolio performance benefitted from an underweight to Malaysia (+1.15% return), and the allocation to Argentina (+45% return) which is not in the benchmark. But an overweight to Turkey (+0.88% return) and an underweight to China (+23% return), hurt performance as did stock selection in Brazil. Regarding sectors, the underweight to and stock selection in Consumer Staples contributed the most to performance, while the underweight in Energy, which returned +26%, detracted the most.

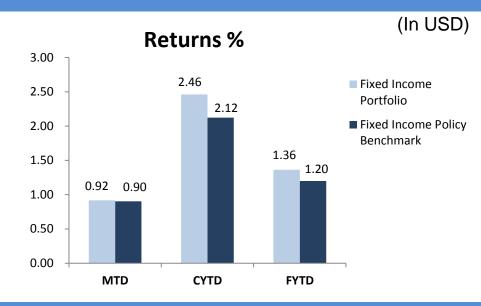
Source: State Street, Factset



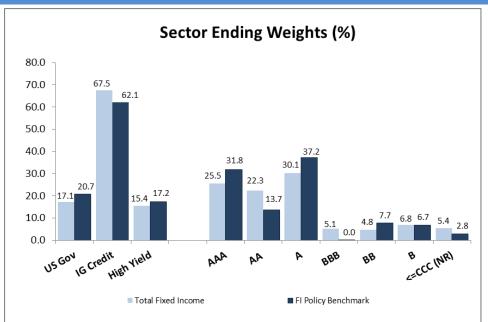
**Africa** 

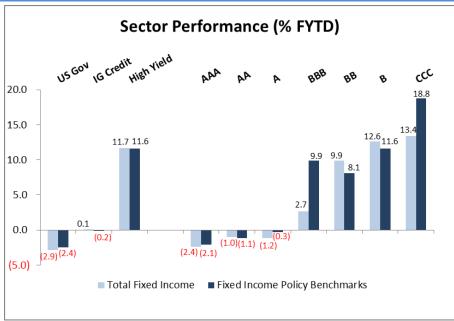


For the fiscal year through April 30<sup>th</sup>, the US Fixed Income portfolio returned 1.36% versus the benchmark return of 1.20%. Relative returns were positively impacted by a short duration bias across the portfolio, outperformance within High Yield and an overweight allocation to TIPS. Through April 30th, the Barclays High Yield Index, Custom IG Credit and US Government Benchmarks returned 11.57%, -0.17% and -2.45%, respectively. As interest rates have broadly risen since the start of the fiscal year, the portfolio has benefited from its short duration position. However, as credit spreads have tightened the portfolio's defensive positioning has offset some of those gains. Fiscal-year-to-date, TIPS have outperformed nominal Treasuries by approximately 316 basis points. The Portfolio's allocation to TIPS within the US Government sector has helped boost performance versus its index and the broader composite benchmark.



#### Portfolio Sector Attribution – Weights and Performance





Source: State Street and FactSet