Asset Class Performance Summary											
	Market Value (\$)	% of Portfolio	1 Mo (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since
Total Retirement Association	994,880,141	100.0	1.8	4.0	12.4	13.8	7.4	8.7	4.9	8.3	Nov-89
Custom Benchmark - Policy Benchmark (1)			1.6	4.0	11.3	12.8	7.6	9.2	6.1		Nov-89
Domestic Equity Assets	327,449,814	32.9	3.5	4.2	13.0	20.0				16.1	Jan-16
Russell 3000			2.4	4.6	13.9	18.7	10.7	14.2	7.6	15.4	Jan-16
International Developed Market Equity Assets	194,886,365	19.6	2.5	7.0	24.1	21.5				13.8	Jan-16
MSCI EAFE	l .		2.5	5.4	20.0	19.1	5.0	8.4	1.3	11.6	Jan-16
International Emerging Market Equity Assets	74,213,935	7.5	-0.8	7.2	27.8	22.1				20.0	Jan-16
MSCI Emerging Markets	l .		-0.4	7.9	27.8	22.5	4.9	4.0	1.3	22.2	Jan-16
Domestic Fixed Income	79,791,814	8.0	-0.4	0.9	3.0	0.7				3.9	Jan-16
75% Bbg Barclays Aggregate/25% Bbg Barclays US TIPs 1-10 year	l		-0.5	0.8	2.7	0.0	2.4	1.6		3.3	Jan-16
Value Added Fixed Income	71,927,852	7.2	0.6	1.4	5.1	6.7				9.6	Jan-16
50% BBgBarc US High Yield/ 50% Credit Suisse Leveraged Loans			0.7	1.5	5.0	7.1	4.9	5.4	6.2	10.5	Jan-16
International Fixed Income	51,141,055	5.1	0.2	3.2	9.3	3.9				9.5	Jan-16
Custom Benchmark - Global Fixed Income			-0.5	2.6	8.9	1.8	4.3	2.7	[9.2	Jan-16
Hedge Fund	39,453,840	4.0	0.3	1.9	9.9	12.0	4.7	6.3		5.1	Feb-10
HFRI Fund of Funds Composite Index			0.5	2.3	5.6	6.5	2.2	3.9	1.1	3.0	Feb-10
Real Estate	105,069,534	10.6	0.7	1.2	3.7	3.7				4.3	Jan-16
Custom Benchmark - Real Estate (2)			1.1	1.3	4.7	5.4	10.4	10.7	5.4	7.9	Jan-16
Private Equity	32,102,433	3.2	4.8	4.9	8.7	11.0			[2.5	Jan-16
Cambridge Associates Fund of Funds Composite 1-Quarter Lag			3.5	3.5	8.2	11.2	8.4	10.9	7.7	7.4	Jan-16
Real Assets	17,608,093	1.8	1.5	1.5	2.6	1.5			-	-3.8	Jan-16
CPI+3%			0.8	1.5	4.5	5.3	4.2	4.3	4.7	5.5	Jan-16
Cash and Cash Equivalent	1,235,406	0.1									

⁽¹⁾ The Custom Benchmark – Policy Benchmark reflects the target allocations set forth in the investment policy statement, weighted for the performance of the following indexes: Russell 3000, MSCI EAFE, MSCI Emerging Markets, Cambridge Associates Fund of Funds (1-Quarter lag), Bbg Barclays High Yield, S&P LSTA Leveraged Loan, Bbg Barclays Global Agg, JP Morgan GBI-EM Global Diversified USD, 90 day T-bill, Bbg Barclays Aggregate, Bbg Barclays US Tips, NCREIF ODCE(net), S&P Global Natural Resources and CPI + 3%.



⁽²⁾ Custom RE Benchmark is 75% NCREIF ODCE net (lagged one quarter) and 25% NARIET Equity.

		Trailing P	erforman	се								
	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since
Total Retirement Association	994,880,141	100.0		1.8	4.0	12.4	13.8	7.4	8.7	4.9	8.3	Nov-89
Custom Benchmark - Policy Benchmark				1.6	4.0	11.3	12.8	7.6	9.2	6.1		Nov-89
Domestic Equity Assets	327,449,814	32.9	32.9	3.5	4.2	13.0	20.0	-			16.1	Jan-16
Russell 3000				2.4	4.6	13.9	18.7	10.7	14.2	7.6	15.4	Jan-16
Rhumbline Russell 1000 Value	57,742,288	5.8	17.6	3.0	3.1	7.8	14.9	8.4			11.2	Apr-13
Russell 1000 Value				3.0	3.1	7.9	15.1	8.5	13.2	5.9	11.3	Apr-13
eA US Large Cap Value Equity Net Median				3.3	3.9	10.2	17.0	8.4	12.9	6.4	11.4	Apr-13
eA US Large Cap Value Equity Net Rank				63	78	83	72	51			55	Apr-13
Rhumbline Russell 1000 Growth	57,655,821	5.8	17.6	1.3	5.9	20.7	21.9	12.7	15.2		15.6	Jul-09
Russell 1000 Growth				1.3	5.9	20.7	21.9	12.7	15.3	9.1	15.6	Jul-09
eA US Large Cap Growth Equity Net Median				1.3	5.3	20.1	20.3	11.0	14.2	8.2	14.4	Jul-09
eA US Large Cap Growth Equity Net Rank				50	34	46	32	21	20		16	Jul-09
Fisher Midcap Value	52,523,873	5.3	16.0	2.5	4.4	16.7	25.9	12.3	14.1	8.7	8.6	Apr-07
Russell MidCap Value				2.7	2.1	7.4	13.4	9.2	14.3	7.9	7.2	Apr-07
eA US Mid Cap Value Equity Net Median				3.4	3.0	8.2	15.5	9.5	13.9	8.1	7.5	Apr-07
eA US Mid Cap Value Equity Net Rank				90	19	2	2	3	46	37	20	Apr-07
Geneva Capital	36,338,711	3.7	11.1	2.9	2.2	16.8	16.6	10.2			11.3	Apr-13
Russell MidCap Growth				2.8	5.3	17.3	17.8	10.0	14.2	8.2	12.6	Apr-13
eA US Mid Cap Growth Equity Gross Median				2.4	4.5	18.3	18.8	10.0	13.5	8.2	12.5	Apr-13
eA US Mid Cap Growth Equity Gross Rank				33	92	62	67	46			79	Apr-13
Boston Company Small Growth	53,018,154	5.3	16.2	4.8	6.5	16.7	22.8	15.0	15.6		15.8	Aug-09
Russell 2000 Growth				5.4	6.2	16.8	21.0	12.2	14.3	8.5	15.0	Aug-09
eA US Small Cap Growth Equity Net Median				4.9	5.9	18.7	21.1	12.2	13.9	8.0	15.4	Aug-09
eA US Small Cap Growth Equity Net Rank				53	38	61	35	16	29		38	Aug-09



As of September 30, 2017 QTD Market Value % of % of 1 Mo YTD 1 Yr 3 Yrs 5 Yrs 10 Yrs Return Since Portfolio Sector (%) (%) (%) (%) (%) (%) (%)(%) LMCG Small Cap Value 70.165.489 7.1 21.4 5.8 3.1 5.4 18.9 13.6 14.7 10.9 Mar-11 Russell 2000 Value 7.1 5.1 5.7 20.5 12.1 13.3 7.1 10.3 Mar-11 6.7 5.0 7.9 eA US Small Cap Value Equity Net Median 6.6 19.8 11.1 14.0 10.7 Mar-11 eA US Small Cap Value Equity Net Rank 75 82 67 58 13 33 Mar-11 **International Developed Market Equity Assets** 194,886,365 19.6 19.6 2.5 7.0 24.1 21.5 13.8 Jan-16 MSCI FAFF 2.5 5.4 20.0 19.1 5.0 8.4 1.3 11.6 Jan-16 **HGK TS International Equity** 61,713,621 6.2 31.7 3.3 9.2 30.9 29.7 8.3 13.6 7.9 Feb-11 MSCI EAFE 2.5 5.4 20.0 19.1 5.0 8.4 1.3 4.9 Feb-11 2.3 eA EAFE All Cap Equity Net Median 5.6 20.3 17.6 6.4 8.8 1.8 Feb-11 2 eA EAFE All Cap Equity Net Rank 13 1 1 13 1 20 Feb-11 **Denver Investments** 37,763,063 3.8 19.4 2.0 9.1 25.6 18.1 6.3 3.2 Oct-13 --MSCI EAFE Small Cap 2.9 7.5 25.4 21.8 11.1 12.8 Oct-13 4.6 8.4 eA EAFE Small Cap Equity Net Median 3.3 8.4 28.4 24.3 11.3 13.7 Oct-13 4.7 8.9 99 30 78 99 eA EAFE Small Cap Equity Net Rank 99 Oct-13 **KBI Master Account** 95.409.681 9.6 49.0 2.2 4.8 18.9 17.7 3.2 7.2 0.4 4.4 Jul-05 MSCI EAFE 2.5 5.4 20.0 19.1 5.0 8.4 1.3 5.0 Jul-05 2.6 22.2 2.5 eA EAFE Core Equity Net Median 6.4 20.4 6.3 9.7 Jul-05 96 eA EAFE Core Equity Net Rank 74 83 79 72 99 94 97 Jul-05 **International Emerging Market Equity Assets** 74.213.935 7.5 7.5 -0.8 7.2 27.8 22.1 20.0 Jan-16 MSCI Emerging Markets -0.4 7.9 27.8 22.5 4.9 4.0 1.3 22.2 Jan-16 LMCG Emerging Markets 74.213.935 7.5 100.0 -0.8 7.2 27.8 22.1 3.4 3.1 Sep-13 MSCI Emerging Markets -0.4 7.9 27.8 22.5 4.9 Sep-13 4.0 1.3 4.8 -0.3 7.8 28.6 5.2 2.3 eA Emg Mkts Equity Net Median 22.0 5.4 5.4 Sep-13 eA Emg Mkts Equity Net Rank 73 61 57 50 82 93 Sep-13



Plymouth County Retirement Association

Total Retirement Association As of September 30, 2017 Market Value % of % of 1 Mo QTD YTD 1 Yr 3 Yrs 5 Yrs 10 Yrs Return Since (\$) (%) (%) (%) (%) (%) (%) Portfolio Sector (%)(%) **Domestic Fixed Income** 79,791,814 8.0 8.0 -0.4 0.9 3.0 0.7 Jan-16 3.9 --75% Bbg Barclays Aggregate/25% Bbg Barclays US TIPs 1-10 -0.5 0.8 2.7 0.0 2.4 1.6 3.3 Jan-16 vear IR&M Core Bonds 79,791,814 8.0 100.0 -0.4 0.9 3.1 8.0 2.7 2.2 4.7 4.6 Nov-04 75% Bbg Barclays Aggregate/25% Bbg Barclays US TIPs 1--0.5 0.8 2.7 0.0 2.4 1.6 Nov-04 10 year Value Added Fixed Income 71,927,852 7.2 7.2 0.6 1.4 5.1 6.7 9.6 Jan-16 50% BBgBarc US High Yield/ 50% Credit Suisse Leveraged 0.7 1.5 5.0 7.1 4.9 5.4 6.2 10.5 Jan-16 Loans Eaton Vance High Yield 37,816,410 3.8 52.6 8.0 1.8 6.7 8.2 6.5 6.8 7.9 8.0 Apr-06 BofA Merrill Lynch High Yield Master 0.9 2.0 7.0 9.1 5.9 6.4 7.7 7.8 Apr-06 eA US High Yield Fixed Inc Net Median 0.8 1.9 6.6 8.2 5.0 5.7 7.0 7.1 Apr-06 eA US High Yield Fixed Inc Net Rank 45 54 48 52 6 16 15 Apr-06 THL Bank Loan Select Fund Sep-10 34.111.442 3.4 47.4 0.4 1.1 3.7 5.5 4.8 5.4 5.9 Credit Suisse Leveraged Loans 0.4 1.1 3.0 5.4 4.0 4.4 4.4 5.0 Sep-10 Bank Loan MStar MF Median 0.4 1.0 2.8 5.0 3.7 4.0 4.1 Sep-10 Bank Loan MStar MF Rank 56 37 12 37 2 1 Sep-10 International Fixed Income 51,141,055 5.1 5.1 0.2 3.2 9.3 3.9 9.5 Jan-16 Custom Benchmark - Global Fixed Income -0.5 2.6 8.9 1.8 4.3 2.7 9.2 Jan-16 -1.3 2.2 0.2 May-95 McDonnell Foreign Bonds 14.934.661 1.5 29.2 8.1 -2.4 -1.3 3.1 4.5 Citi WGBI ex US -1.4 2.6 8.6 -3.1 0.5 -1.1 2.7 3.8 May-95 eA All EAFE Fixed Inc Net Median -0.6 2.5 9.4 3.1 1.1 1.4 4.8 6.1 May-95 eA All EAFE Fixed Inc Net Rank 96 63 70 93 94 97 94 May-95



										As of S	September 30, 2017		
	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since	
Franklin Templeton Emerging Market Bonds	36,206,395	3.6	70.8	1.0	3.5	9.7	8.6	4.8	4.5	6.6	7.4	May-06	
JP Morgan EMBI Global Diversified				0.0	2.6	9.0	4.6	6.5	4.9	7.5	7.8	May-06	
eA Emg Mkt Fixed Inc Unhedged Net Median				0.1	3.2	10.4	7.0	4.6	3.1	6.0	7.6	May-06	
eA Emg Mkt Fixed Inc Unhedged Net Rank				7	35	56	27	44	21	38	63	May-06	
Hedge Fund	39,453,840	4.0	4.0	0.3	1.9	9.9	12.0	4.7	6.3		5.1	Feb-10	
HFRI Fund of Funds Composite Index				0.5	2.3	5.6	6.5	2.2	3.9	1.1	3.0	Feb-10	
ABS Offshore SPC - Global Segregated Portfolio	16,457,397	1.7	41.7	0.6	3.4	10.6	10.8	4.5	6.9		5.9	Aug-10	
HFRI Fund of Funds Composite Index				0.5	2.3	5.6	6.5	2.2	3.9	1.1	3.2	Aug-10	
Aetos Capital Prime Portfolio	8,235,809	0.8	20.9	0.2	1.4	5.8	6.4	3.0	4.7		4.0	Feb-10	
HFRI Fund of Funds Composite Index				0.5	2.3	5.6	6.5	2.2	3.9	1.1	3.0	Feb-10	
Entrust Special Opportunities Fund III, Ltd.	14,760,634	1.5	37.4	0.0	0.0	14.1	31.7				31.7	Oct-16	
HFRI Fund of Funds Composite Index				0.5	2.3	5.6	6.5	2.2	3.9	1.1	6.5	Oct-16	
Real Estate	105,069,534	10.6	10.6	0.7	1.2	3.7	3.7				4.3	Jan-16	
Custom Benchmark - Real Estate				1.1	1.3	4.7	5.4	10.4	10.7	5.4	7.9	Jan-16	
Core Real Estate	82,240,706	8.3	78.3	0.5	1.1	4.9	4.7	9.8	9.8				
NCREIF ODCE (lagged one qtr., net)				1.5	1.5	5.0	6.9	10.3	10.8	4.3			
PRISA I	36,896,869	3.7	44.9	1.4	1.4	4.9	6.7	10.7	10.9	3.8	6.7	Sep-04	
NCREIF ODCE (lagged one qtr., net)				1.5	1.5	5.0	6.9	10.3	10.8	4.3	7.1	Sep-04	
Invesco REIT	30,142,009	3.0	36.7	-1.1	0.7	5.7	2.1	9.5	9.6	6.5	12.3	Dec-02	
Wilshire REIT				-0.1	0.6	2.4	0.1	9.7	9.5	5.6	10.9	Dec-02	
Multi Employer Property Trust	15,201,828	1.5	18.5	1.4	1.4	4.2	6.2	9.8	9.5	3.5	6.6	Mar-00	
NCREIF ODCE (lagged one qtr., net)				1.5	1.5	5.0	6.9	10.3	10.8	4.3	7.3	Mar-00	
Non-Core Real Estate	22,828,828	2.3	21.7										
Mesirow Financial International Real Estate Fund I	5,950,983	0.6	26.1										



International Equity Assets

	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since
DSF Multi-Family Real Estate Fund III	4,635,847	0.5	20.3							\neg		
DSF Capital Partners IV	3,941,364	0.4	17.3									
AEW Partners Real Estate VIII	3,787,855	0.4	16.6									
New Boston Institutional Fund, LP VII	2,319,126	0.2	10.2									
Hunt Redevelopment & Renovation	957,365	0.1	4.2									
1921 Realty, Inc	951,024	0.1	4.2									
Berkshire Multfamily Value Fund II	153,996	0.0	0.7									
Intercontinental Real Estate Investment Fund IV	75,146	0.0	0.3									
Intercontinental Real Estate Investment Fund III	56,122	0.0	0.2									
Private Equity	32,102,433	3.2	3.2	4.8	4.9	8.7	11.0	-			2.5	Jan-16
Cambridge Associates Fund of Funds Composite 1-Quarter Lag				3.5	3.5	8.2	11.2	8.4	10.9	7.7	7.4	Jan-16
Private Equity General	23,218,991	2.3	72.3									
Euro Choice V Programme	4,890,013	0.5	21.1									
Lexington Capital Partners VII	3,726,409	0.4	16.0									
TRG Growth Partnership II	2,957,684	0.3	12.7									
Landmark Equity Partners XIV	2,289,944	0.2	9.9									
Leeds Equity Partners V	2,035,873	0.2	8.8									
Summit Partners Growth Equity Fund IX	1,732,257	0.2	7.5									
Siguler Guff Distressed Opportunities Fund III, LP	1,418,122	0.1	6.1							ı		



	Market Value (\$)	% of Portfolio	% of Sector	1 Mo (%)	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Return (%)	Since
Mesirow Financial Capital Partners VII, LP	988,214	0.1	4.3									
Audax Mezzaine Debt IV	982,091	0.1	4.2									
Leeds Equity Partners IV	847,808	0.1	3.7									
DN Partners II, LP	741,253	0.1	3.2									
Euro Choice II	293,248	0.0	1.3									
RIMCO Production Company	159,083	0.0	0.7									
Charles River Partnership XI	156,993	0.0	0.7									
Venture Capital	8,883,442	0.9	27.7									
Ascent Ventures V	4,656,191	0.5	52.4									
Globespan Capital V	3,821,987	0.4	43.0									
Ascent Ventures IV	405,264	0.0	4.6									
Real Assets	17,608,093	1.8	1.8	1.5	1.5	2.6	1.5				-3.8	Jan-16
CPI+3%				0.8	1.5	4.5	5.3	4.2	4.3	4.7	5.5	Jan-16
JP Morgan Global Maritime Investment	6,125,342	0.6	34.8									
Timbervest Partners III, LP	5,617,811	0.6	31.9									
BTG Pactual Global Timberland Resources	4,083,231	0.4	23.2									
Global Infrastructure Partners III	1,781,708	0.2	10.1									
Cash and Cash Equivalent	1,235,406	0.1	0.1									
Cash	1,235,406	0.1	100.0									



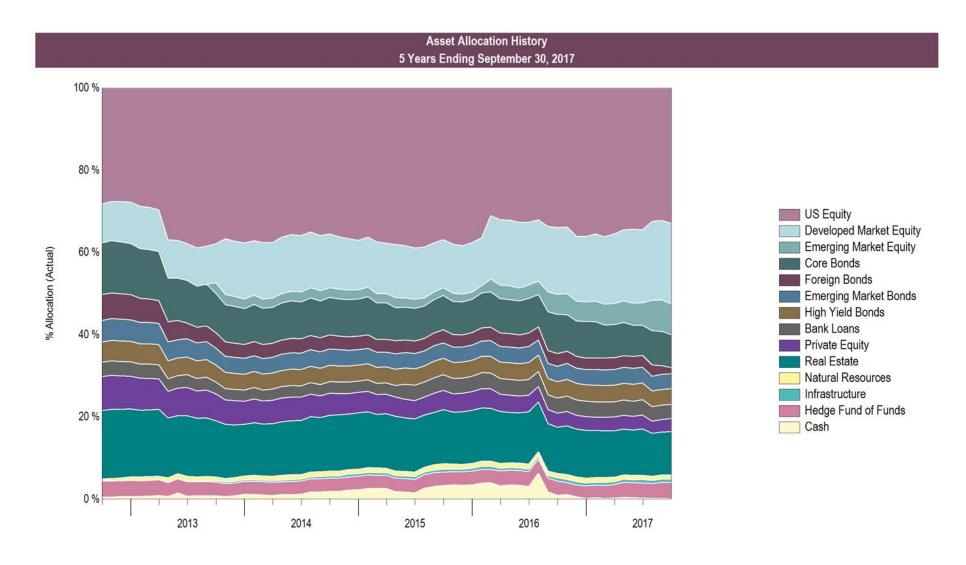
As of September 30, 2017

	Allocation v	vs. Target	Allocation vs. Target										
	Current Balance	Current Allocation	Policy	Policy Range	Within IPS Range?								
US Equity	\$327,449,814	33%	26%	21% - 36%	Yes								
Developed Market Equity	\$194,886,365	20%	6%	1% - 16%	No								
Emerging Market Equity	\$74,213,935	7%	10%	5% - 20%	Yes								
Global Equity			10%	5% - 20%	No								
Core Bonds	\$79,791,814	8%	9%	4% - 14%	Yes								
Foreign Bonds	\$14,934,661	2%			No								
Emerging Market Bonds	\$36,206,395	4%	2%	0% - 7%	Yes								
High Yield Bonds	\$37,816,410	4%	2%	0% - 7%	Yes								
Bank Loans	\$34,111,442	3%	2%	0% - 7%	Yes								
Private Equity	\$32,102,433	3%	13%	8% - 18%	No								
Real Estate	\$105,069,534	11%	10%	5% - 15%	Yes								
Natural Resources	\$9,701,042	1%	2%	0% - 4%	Yes								
Infrastructure	\$7,907,050	1%	4%	2% - 6%	No								
Hedge Fund of Funds	\$39,453,840	4%	4%	2% - 6%	Yes								
Cash	\$1,235,406	0%	0%	0% - 3%	Yes								
Total	\$994,880,141	100%	100%										

	Current Balance	Current Allocation	Policy	Policy Range	Within IPS Range?
Total Equity	\$668,106,387	67%	69%	60% - 80%	Yes
Total Fixed Income	\$202,860,722	20%	15%	5% - 25%	Yes
Total Real Assets	\$122,677,627	12%	16%	13% - 19%	No
Cash	\$1,235,406	0%	0%	0% - 3%	Yes

Plymouth County Retirement Association adopted a new asset allocation as of May 2017.







Annual Investment Expense Analysis As Of September 30, 2017									
Name	Fee Schedule	Market Value	Estimated Fee Value	Estimated Fee					
Domestic Equity Assets		\$327,449,814							
Rhumbline Russell 1000 Value	0.05% of First \$25.0 Mil, 0.04% of Next \$25.0 Mil, 0.03% Thereafter	\$57,742,288	\$24,823	0.04%					
Rhumbline Russell 1000 Growth	0.05% of First \$25.0 Mil, 0.04% of Next \$25.0 Mil, 0.03% Thereafter	\$57,655,821	\$24,797	0.04%					
Fisher Midcap Value	0.80% of First \$25.0 Mil, 0.75% of Next \$25.0 Mil, 0.67% Thereafter	\$52,523,873	\$404,410	0.77%					
Geneva Capital	0.65% of Assets	\$36,338,711	\$236,202	0.65%					
Boston Company Small Growth	0.45% of Assets	\$53,018,154	\$238,582	0.45%					
LMCG Small Cap Value	0.90% of Assets	\$70,165,489	\$631,489	0.90%					
International Developed Market Equity Assets		\$194,886,365							
HGK TS International Equity	1.00% of Assets	\$61,713,621	\$617,136	1.00%					
Denver Investments	1.00% of Assets	\$37,763,063	\$377,631	1.00%					
KBI Master Account	0.65% of Assets	\$95,409,681	\$620,163	0.65%					
International Emerging Market Equity Assets		\$74,213,935							
LMCG Emerging Markets	0.75% of Assets	\$74,213,935	\$556,605	0.75%					
Domestic Fixed Income		\$79,791,814							
IR&M Core Bonds	0.25% of First \$50.0 Mil, 0.20% of Next \$50.0 Mil, 0.15% Thereafter	\$79,791,814	\$184,584	0.23%					
Value Added Fixed Income		\$71,927,852							
Eaton Vance High Yield	0.50% of Assets	\$37,816,410	\$189,082	0.50%					
THL Bank Loan Select Fund	0.50% of Assets	\$34,111,442	\$170,557	0.50%					



Plymouth County Retirement Association

Total Retirement Association

Name	Fee Schedule	Market Value	Estimated Fee Value	Estimated Fee
International Fixed Income		\$51,141,055		
McDonnell Foreign Bonds	0.32% of First \$20.0 Mil, 0.28% of Next \$10.0 Mil, 0.24% of Next \$10.0 Mil, 0.20% Thereafter	\$14,934,661	\$47,791	0.32%
Franklin Templeton Emerging Market Bonds	0.99% of Assets	\$36,206,395	\$358,443	0.99%
Total		\$994,880,141	\$4,682,293	0.47%

