

# **State Teachers' Retirement System of Vermont**

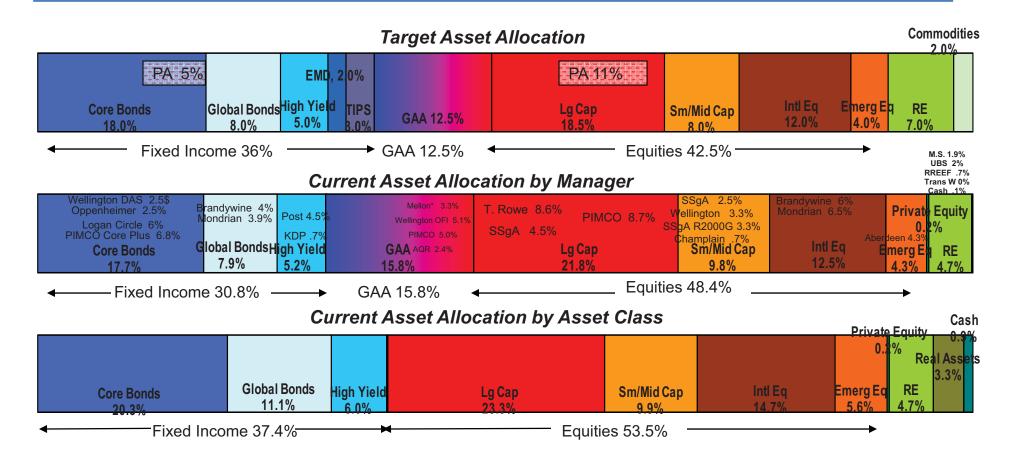


#### **Vermont Pension Investment Committee**

Plan Asset Allocation
Period Ending September 30, 2009



#### **Asset Allocation**



Numbers may not add up to 100% due to rounding.



<sup>\*</sup> See disclosure pages in appendix under manager analysis

#### **Vermont Pension Investment Committee**

New Policy Asset Allocation and Risk Budgeting

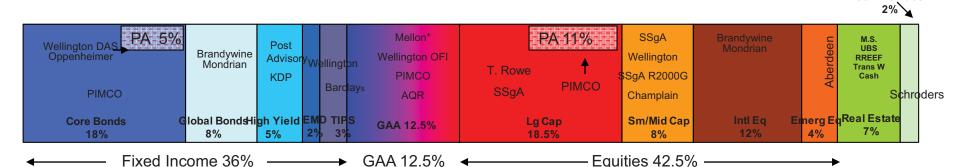




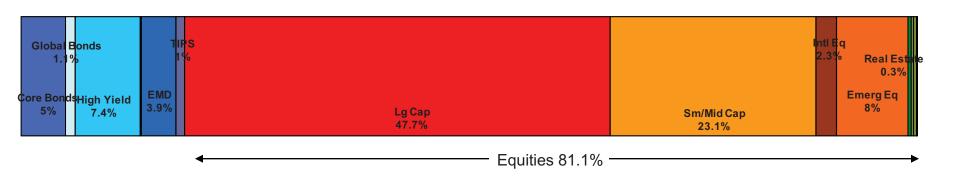
Commodities



## New Policy Index as of July 1, 2009



#### **Actual Risk Allocation**



Numbers may not add up to 100% due to rounding.



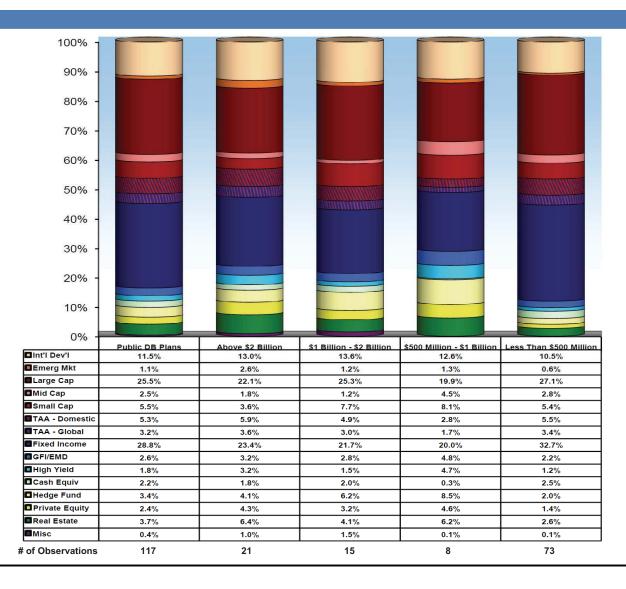
<sup>\*</sup> See disclosure pages in appendix under manager analysis

## ICC Public DB Plans - Average Asset Allocation





#### **Asset Allocation**







## **Asset Breakdown**

	Domestic	Domestic	Domestic	Domestic	Domestic	Core	High	Int'l	Global	Real		Private		
	Large Core	Smid	Small Core	Small Value	Small Growth	Fixed	Yield	Equity	Bonds	Estate	GAA	Investment	Cash	Total
Composite	\$288,375	\$9,630	\$33,135	\$43,361	\$43,343	\$234,597	\$68,709	\$222,420	\$104,262	\$62,636	\$209,259	\$3,108	\$409	\$1,323,244
T. Rowe	113,488	0	0	0	0	0	0	0	0	0	0	0	0	\$113,488
PIMCO	115,656	0	0	0	0	0	0	0	0	0	0	0	0	\$115,656
SSgA Equal Wgt	59,231	0	0	0	0	0	0	0	0	0	0	0	0	\$59,231
Champlain	0	9,630	0	0	0	0	0	0	0	0	0	0	0	\$9,630
SSgA R-2500	0	0	33,135	0	0	0	0	0	0	0	0	0	0	\$33,135
Wellington	0	0	0	43,361	0	0	0	0	0	0	0	0	0	\$43,361
SSgA R-2000 Growth	0	0	0	0	43,343	0	0	0	0	0	0	0	0	\$43,343
Acadian	0	0	0	0	0	0	0	79,665	0	0	0	0	0	\$79,665
Mondrian	0	0	0	0	0	0	0	86,270	0	0	0	0	0	\$86,270
Aberdeen	0	0	0	0	0	0	0	56,485	0	0	0	0	0	\$56,485
Logan Circle	0	0	0	0	0	79,257	0	0	0	0	0	0	0	\$79,257
Oppenheimer	0	0	0	0	0	32,902	0	0	0	0	0	0	0	\$32,902
Wellington DAS	0	0	0	0	0	32,568	0	0	0	0	0	0	0	\$32,568
PIMCO Core Plus	0	0	0	0	0	89,870	0	0	0	0	0	0	0	\$89,870
Post Advisory	0	0	0	0	0	0	59,079	0	0	0	0	0	0	\$59,079
KDP	0	0	0	0	0	0	9,630	0	0	0	0	0	0	\$9,630
Mondrian	0	0	0	0	0	0	0	0	51,963	0	0	0	0	\$51,963
Brandywine	0	0	0	0	0	0	0	0	52,299	0	0	0	0	\$52,299
Morgan Stanely	0	0	0	0	0	0	0	0	0	25,331	0	0	0	\$25,331
UBS Realty	0	0	0	0	0	0	0	0	0	26,676	0	0	0	\$26,676
RREEF	0	0	0	0	0	0	0	0	0	8,860	0	0	0	\$8,860
Transwestern	0	0	0	0	0	0	0	0	0	230	0	0	0	\$230
Real Estate Cash	0	0	0	0	0	0	0	0	0	1,539	0	0	0	\$1,539
Mellon GA 1	0	0	0	0	0	0	0	0	0	0	43,856	0	0	\$43,856
PIMCO AA	0	0	0	0	0	0	0	0	0	0	66,137	0	0	\$66,137
Wellington OIF	0	0	0	0	0	0	0	0	0	0	67,156	0	0	\$67,156
AQR	0	0	0	0	0	0	0	0	0	0	32,110	0	0	\$32,110
Pru & VVC	0	0	0	0	0	0	0	0	0	0	0	3,108	0	\$3,108
Vermont Cash	0	J	0	0	0	0	0	0	0	0	0	0	409	\$409
(Dollars in 000's)			Ū	0	Ū	O	0	U	U	O	U	Ü	400	Ψτοσ



Teachers' Retirement System Period Ending September 30, 2009



Total Fund Asset Growth Summary					
		One Quarter	Year to Date	One Year	Since Inception
TRS COMPOSITE					
Beginning Market Value		1,139,265	1,106,394	1,358,851	1,106,102
Net External Growth		15,222	-31,086	-47,106	-258,256
Return on Investment		168,758	247,936	11,500	475,399
Income Received		44	746	827	141,519
Gain/Loss		168,714	247,190	10,673	333,880
Ending Market Value		1,323,245	1,323,245	1,323,245	1,323,245
	Return	14.2%	22.7%	1.4%	



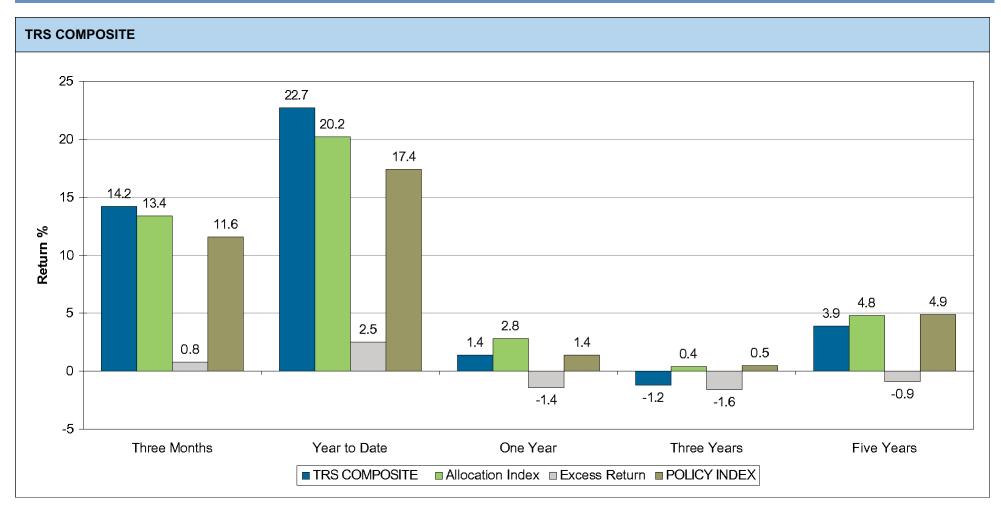


**POLICY INDEX** 

Benchmark:

Periods Ending September 30, 2009

#### **Fund Performance vs. Benchmark**



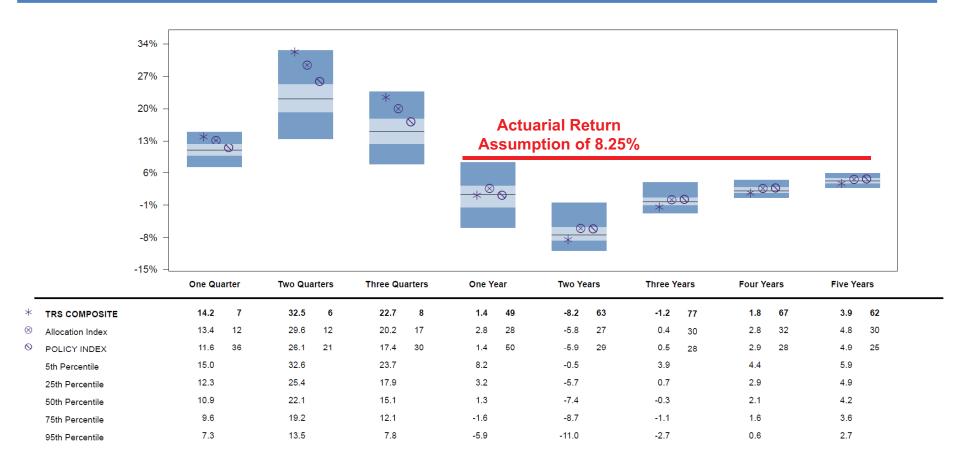
<sup>\*</sup> Performance shown is gross of manager fees.
\*\* Results for periods longer than one year are annualized.



Teachers' Retirement System Period Ending September 30, 2009



#### Total Public Funds - Total Rates of Return



<sup>\*</sup>Policy Index: Measures the effectiveness of Plan Structure. (Target asset class weights X Return of the respective passive benchmark)



<sup>•</sup>Allocation Index: Measures the effectiveness of deviating from the target policy weights. (Policy Index - Allocation Index) Allocation Index = weighted average return of the actual asset class weights and the return of the respective passive benchmark.

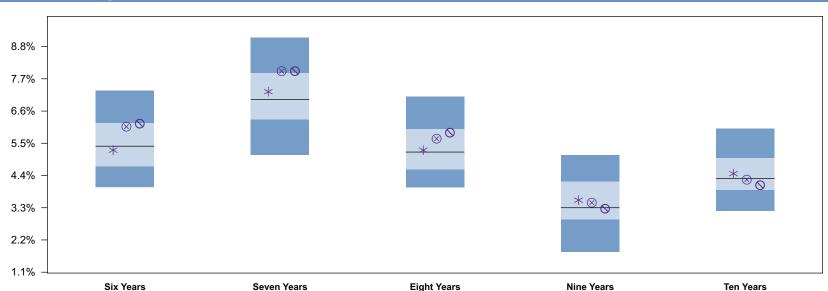
<sup>•</sup>Composite: Actual composite return = actual asset class weights times the actual manager return. Measures the effectiveness of the managers. (Actual composite return - Allocation Index)



Total Fund - Universe: PUBLIC FUNDS (DB)

Periods Ending September 30, 2009

## **Total Fund Performance - Trailing Periods**

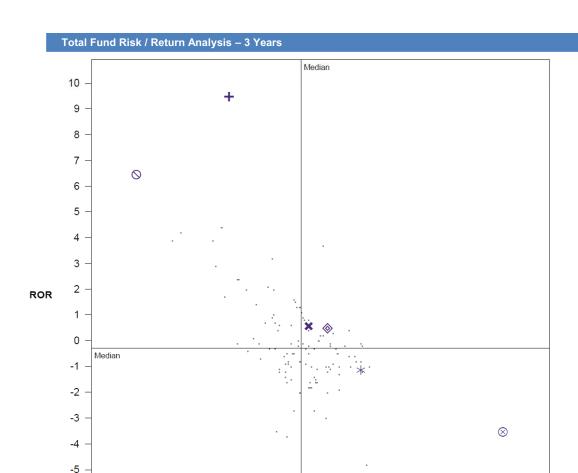


_						<b>J</b>					
*	TRS COMPOSITE	5.3	56	7.3	35	5.3	44	3.6	41	4.5	40
$\otimes$	Allocation Index	6.1	31	8.0	23	5.7	32	3.5	43	4.3	49
0	POLICY INDEX	6.2	26	8.0	22	5.9	29	3.3	49	4.1	56
	5th Percentile	7.3		9.1		7.1		5.1		6.0	
	25th Percentile	6.2		7.9		6.0		4.2		5.0	
	50th Percentile	5.4		7.0		5.2		3.3		4.3	
	75th Percentile	4.7		6.3		4.6		2.9		3.9	
	95th Percentile	4.0		5.1		4.0		1.8		3.2	



Teachers' Retirement System Period Ending September 30, 2009





	NAME		turn	100	ndard riation	Sharpe Ratio		
*	TRS COMPOSITE	-1.2	77	19.1	98	-0.2	57	
<b>\oint{\oint}</b>	Allocation Index	0.4	30	16.8	79	-0.1	30	
×	POLICY INDEX	0.5	28	15.5	62	-0.2	31	
<b>A</b>	S&P 500	-5.4	100	22.2	100	-0.4	96	
0	BC AGGREGATE	6.4	1	3.6	1	1.0	2	
$\otimes$	MSCI EAFE (NET)	-3.6	99	28.9	100	-0.2	61	
+	CITIGROUP WORLD GOVT BOND	9.4	1	10.0	7	0.7	2	
	Median	-0.3		14.9		-0.2		

Funded status as of Fiscal Year 2007 = 84.9%

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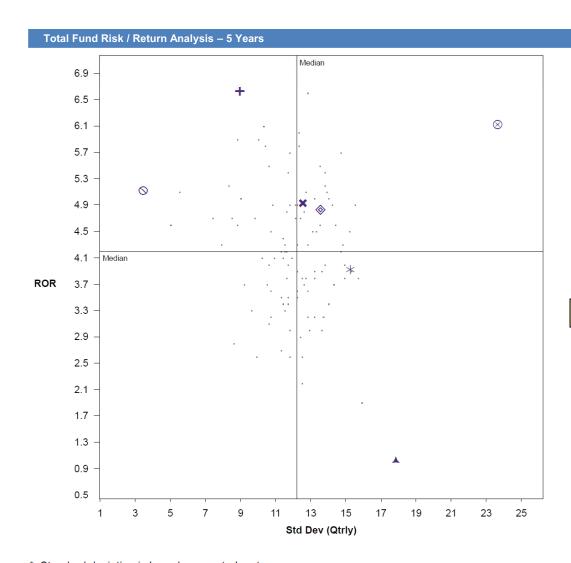
13 15 17 19 21 23 25 27 29 31

Std Dev (Qtrly)

<sup>\*</sup> Standard deviation is based on quarterly returns

Teachers' Retirement System Period Ending September 30, 2009





	NAME		turn	7 3 207	ndard riation		arpe atio
*	TRS COMPOSITE	3.9	62	15.3	96	0.1	65
<b></b>	Allocation Index	4.8	30	13.6	79	0.1	34
×	POLICY INDEX	4.9	25	12.6	62	0.1	27
<b>A</b>	S&P 500	1.0	100	17.9	100	-0.1	100
0	BC AGGREGATE	5.1	16	3.5	1	0.6	2
$\otimes$	MSCI EAFE (NET)	6.1	3	23.7	100	0.1	34
+	CITIGROUP WORLD GOVT BOND	6.6	1	9.0	9	0.4	2
	Median	4.2		12.2		0.1	

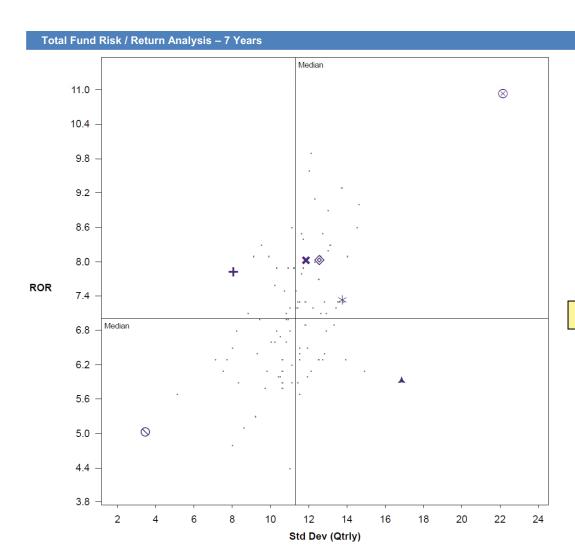
Funded status as of Fiscal Year 2007 = 84.9%



<sup>\*</sup> Standard deviation is based on quarterly returns

Teachers' Retirement System Period Ending September 30, 2009





	NAME		turn		ndard riation		Sharpe Ratio		
*	TRS COMPOSITE	7.3	35	13.8	95	0.3	65		
<b>\oint </b>	Allocation Index	8.0	23	12.6	77	0.4	39		
×	POLICY INDEX	8.0	22	11.9	64	0.5	26		
<b>A</b>	S&P 500	5.9	90	16.9	100	0.2	90		
0	BC AGGREGATE	5.0	96	3.5	1	0.7	2		
$\otimes$	MSCI EAFE (NET)	10.9	2	22.2	100	0.4	56		
+	CITIGROUP WORLD GOVT BOND	7.8	29	8.1	9	0.6	2		
	Median	7.0		11.3		0.4			

Funded status as of Fiscal Year 2007 = 84.9%

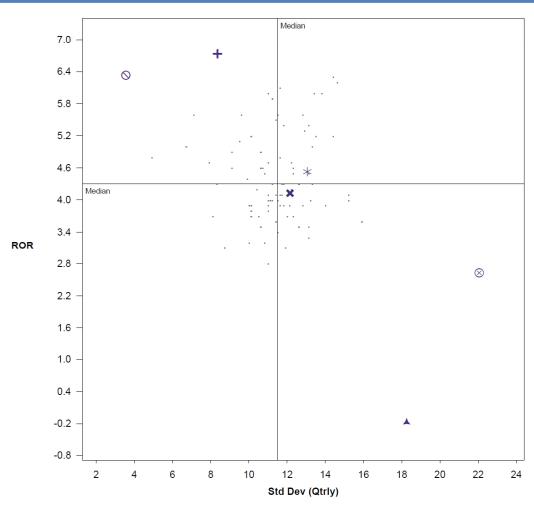


<sup>\*</sup> Standard deviation is based on quarterly returns

Teachers' Retirement System Period Ending September 30, 2009



#### Total Fund Risk / Return Analysis – 10 Years



	NAME		turn	-	ndard iation		Sharpe Ratio		
*	TRS COMPOSITE	4.5	40	13.1	81	0.1	39		
×	POLICY INDEX	4.1	56	12.2	68	0.1	54		
<b>A</b>	S&P 500	-0.2	100	18.3	99	-0.2	99		
0	BC AGGREGATE	6.3	3	3.6	1	0.9	2		
$\otimes$	MSCI EAFE (NET)	2.6	100	22.1	99	-0.0	93		
+	CITIGROUP WORLD GOVT BOND	6.7	2	8.4	9	0.4	5		
	Median	4.3		11.5		0.1			

Funded status as of Fiscal Year 2007 = 84.9%

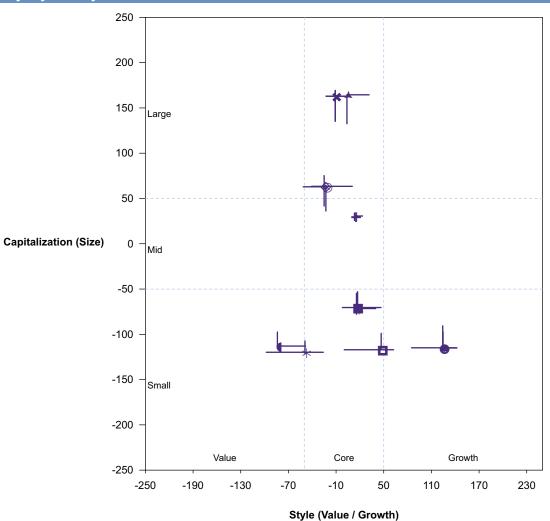


<sup>\*</sup> Standard deviation is based on quarterly returns



Equity Funds
Period Ending September 30, 2009

## **Equity Style Analysis - Drift Over Time**



FUND	Style (Value / Growth)	Capitalization (Size)
+ TRS COMPOSITE	13.2	30.7
☐ LARGE CAP EQ		
× S&P 500	-11.0	163.0
▲ T. ROWE	3.7	164.5
<b>×</b> S&P 500	-11.0	163.0
⊗ SSGA EQ WEIGHT	-22.8	62.9
S&P 500 (EQL WGHTD)	-25.0	63.4
● SMALL CAP EQ		
RUSSELL 2000	46.8	-117.0
* SSGA R-2500	17.1	-71.5
RUSSELL 2500	15.7	-70.4
■ WELLINGTON	-83.8	-113.0
* RUSSELL 2000 VALUE	-49.1	-119.8
<b>1</b> SSGA R-2000 G	124.7	-115.1
◆ RUSSELL 2000 GROWTH	124.3	-114.9

<sup>\*</sup> Equity style analysis is based on Morningstarý Size and VCG Scores and Morningstar Style Box(TM) methodology

