West Virginia Investment Management Board

Participant Plan Performance Report

June 30, 2014

STRATEGIC INVESTMENT SOLUTIONS, INC.

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West Virginia Investment Management Board
Participant Plans Allocation & Performance Net of Fees
As of June 30, 2014

	6/30/2013		6/30/2014		Performance %						
	Asset ($000)	%	Asset ($000)	%	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
WVIMB Fund Assets	**14,580,737**	**100.0**	**16,877,312**	**100.0**							
Pension Assets	**11,501,368**	**78.9**	**13,389,464**	**79.3**							
Public Employees' Retirement System	4,848,377	33.3	5,629,812	33.4	1.6	4.5	17.9	17.9	10.5	13.6	7.8
Teachers' Retirement System	5,717,583	39.2	6,655,376	39.3	1.6	4.5	17.9	17.9	10.4	13.3	7.5
Teachers' Employers Cont. Collection A/C	-	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
EMS Retirement System	42,603	0.3	53,343	0.3	1.7	4.6	17.9	17.9	10.4	13.4	
Public Safety Retirement System	520,323	3.6	601,077	3.6	1.6	4.5	17.9	17.9	10.5	13.6	7.8
Judges' Retirement System	141,476	1.0	165,239	1.0	1.6	4.6	18.0	18.0	10.4	13.5	7.8
State Police Retirement System	96,092	0.6	120,572	0.7	1.6	4.5	17.9	17.9	10.4	13.4	7.8
Deputy Sheriffs' Retirement System	134,410	0.9	161,491	1.0	1.6	4.5	17.9	17.9	10.4	13.5	7.8
Municipal Police & Firefighter Retirement System	504	0.0	1,150	0.0	1.6	4.4	17.0	17.0	10.7		
Municipal Model A	-	0.0	1,404	0.0	1.7	4.5					
Insurance Assets	**2,154,563**	**14.8**	**2,449,418**	**14.5**							
Workers' Compensation Old Fund	1,036,241	7.1	1,197,954	7.0	0.8	3.0	9.2	9.2	5.9	8.3	
Workers' Comp. Self-Insured Guaranty Risk Pool	14,487	0.1	15,707	0.1	0.9	3.1	10.0	10.0	6.4	5.1	
Workers' Comp. Self-Insured Security Risk Pool	-	0.0	7,165	0.0	0.9	3.1					
Workers' Comp. Uninsured Employers' Fund	9,749	0.1	10,704	0.1	0.9	3.1	9.8	9.8	6.3	4.7	
Pneumoconiosis	261,636	1.8	269,556	1.6	0.9	3.1	10.1	10.1	6.4	8.8	5.8
Board of Risk & Insurance Management	139,875	1.0	147,378	0.9	0.9	3.1	10.0	10.0	6.5	9.0	
Public Employees' Insurance Agency	194,215	1.3	214,210	1.3	0.9	3.2	10.3	10.3	6.9	8.8	
WV Retiree Health Benefit Trust Fund	495,926	3.4	584,257	3.5	1.7	4.6	17.8	17.8	10.1	11.3	
AccessWV	2,434	0.0	2,487	0.0	0.0	0.0	2.2	2.2	3.2		
Endowment Assets	**924,806**	**6.3**	**1,038,430**	**6.2**							
Wildlife Fund	45,838	0.3	52,488	0.3	1.7	4.6	17.8	17.8	10.3	13.5	7.7
Prepaid Tuition Trust	76,701	0.5	77,100	0.5	0.9	3.3	13.7	13.7	8.3	12.3	7.5
Revenue Shortfall Reserve Fund	446,073	3.0	477,831	2.8	0.3	3.0	5.1	5.1	4.1	7.3	
Revenue Shortfall Reserve Fund - Part B	348,811	2.4	381,423	2.3	0.6	3.0	9.4	9.4	6.2	9.5	
WV DEP Trust	7,383	0.1	8,717	0.1	1.4	4.2	18.1	18.1	10.0		
WV DEP Agency	-	0.0	40,871	0.2	1.0	3.2					

West Virginia Investment Management Board
Composite Asset Allocation & Performance Net of Fees
As of June 30, 2014

	Asset ($000)	%	Performance % 1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
Investment Pools Composite	16,885,496	100.00							
Total Equity Composite	8,399,630	49.75	1.97	5.17	25.62	25.62	12.45	17.27	8.75
+/- Total Equity Policy Index (b)			*(0.18)*	*0.20*	*1.73*	*1.73*	*1.10*	*1.77*	*1.23*
US Equity Composite	4,174,663	24.73	2.36	4.38	25.78	25.78	16.40	19.87	8.63
+/- Russell 3000 Index			*(0.15)*	*(0.49)*	*0.56*	*0.56*	*(0.06)*	*0.54*	*0.40*
Large Cap Composite	3,097,933	18.35	1.95	5.14	25.01	25.01	16.52	19.13	7.94
+/- S&P 500 Index			*(0.12)*	*(0.09)*	*0.40*	*0.40*	*(0.06)*	*0.30*	*0.16*
Non-Large Cap Composite	1,076,730	6.38	3.55	2.21	27.87	27.87	15.97	22.95	10.53
+/- Russell 2500 Index			*(1.23)*	*(1.35)*	*2.29*	*2.29*	*0.46*	*1.32*	*0.75*
International Equity Composite	4,224,967	25.02	1.59	5.95	25.29	25.29	8.41	14.43	9.73
+/- MSCI AC World ex US IMI Index (c)			*(0.19)*	*0.89*	*2.79*	*2.79*	*2.13*	*2.80*	*1.49*
Fixed Income Composite	3,345,898	19.81	0.32	2.22	5.76	5.76	4.73	7.06	5.41
+/- Barclays Capital Universal (d)			*0.17*	*0.02*	*0.56*	*0.56*	*0.51*	*1.48*	*0.20*
Core Fixed Income	1,034,048	6.12	0.04	1.95	4.43	4.43	4.30	5.76	
+/- Barclays Capital Aggregate			*(0.01)*	*(0.09)*	*0.06*	*0.06*	*0.64*	*0.91*	
Total Return Fixed Income	2,311,850	13.69	0.45	2.34	6.38	6.38	4.95	7.60	6.06
+/- Barclays Capital Universal			*0.30*	*0.14*	*1.18*	*1.18*	*0.73*	*2.02*	*0.79*
TIPS Composite	604,538	3.58	0.28	3.79	4.44	4.44	3.55		
+/- Barclays Capital U.S.TIPS			*(0.02)*	*(0.02)*	*0.00*	*0.00*	*0.00*		
Cash Composite	339,120	2.01	0.01	0.02	0.10	0.10	0.13	0.13	1.76
+/- Citigroup 90 Day T-Bill (e)			*0.01*	*0.01*	*(0.01)*	*(0.01)*	*(0.05)*	*(0.10)*	*(0.01)*
Private Equity Composite	1,355,258	8.02	2.96	7.43	19.78	19.78	14.45	15.79	
+/- Russell 3000 + 3% (f, g)								*(7.79)*	
Real Estate Composite	1,275,899	7.56	1.71	4.63	10.72	10.72	9.62	9.69	
+/- NCREIF + 1% (f)								*0.80*	
Hedge Fund Composite	1,565,153	9.27	0.85	1.97	8.61	8.61	6.24	7.34	
+/- HFRI FOF + 1% (h)			*(0.28)*	*0.11*	*3.82*	*3.82*	*1.73*	*2.90*	

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Participant Plans Allocation vs. Strategy

As of June 30, 2014

	Domestic Equity		Int'l Equity		Fixed Income		Private Equity		Real Estate		Hedge Funds		Cash	
	Actual %	Strategy %	Actual %	Strategy %	Actual %	Strategy %	Actual %	Strategy %	Actual %	Strategy %	Actual %	Strategy %	Actual %	Strategy %
Pension Assets														
Public Employees' Retirement System	27.5	27.5	28.0	27.5	15.1	15.0	9.8	10.0	9.2	10.0	10.3	10.0	0.1	0.0
Teachers' Retirement System	26.9	27.5	27.3	27.5	14.7	15.0	9.6	10.0	9.0	10.0	10.0	10.0	2.5	0.0
Teachers' Employers Cont. Collection A/C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0
EMS Retirement System	27.5	27.5	27.6	27.5	15.3	15.0	10.1	10.0	9.1	10.0	9.8	10.0	0.6	0.0
Public Safety Retirement System	27.9	27.5	27.7	27.5	15.0	15.0	9.1	10.0	9.2	10.0	11.0	10.0	0.1	0.0
Judges' Retirement System	27.5	27.5	28.0	27.5	15.2	15.0	9.8	10.0	9.2	10.0	10.3	10.0	0.0	0.0
State Police Retirement System	27.5	27.5	27.5	27.5	15.3	15.0	9.3	10.0	9.1	10.0	10.5	10.0	0.8	0.0
Deputy Sheriffs' Retirement System	27.5	27.5	27.8	27.5	15.3	15.0	9.6	10.0	9.1	10.0	10.4	10.0	0.3	0.0
Municipal Police & Firefighter Retirement System	26.6	27.5	26.3	27.5	14.7	15.0	9.7	10.0	8.8	10.0	9.4	10.0	4.5	0.0
Municipal Model A	27.7	27.5	27.8	27.5	14.6	15.0	10.2	10.0	9.2	10.0	9.9	10.0	0.6	0.0
Insurance Assets														
Workers' Compensation Old Fund	15.2	15.0	15.0	15.0	59.4	60.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	10.0
Workers' Comp. Self-Insured Guaranty Risk Pool	15.2	15.0	15.3	15.0	45.0	45.0	0.0	0.0	0.0	0.0	20.0	20.0	4.5	5.0
Workers' Comp. Self-Insured Security Risk Pool	15.3	15.0	15.3	15.0	44.6	45.0	0.0	0.0	0.0	0.0	19.9	20.0	4.9	5.0
Workers' Comp. Uninsured Employers Fund	15.2	15.0	15.3	15.0	39.8	40.0	0.0	0.0	0.0	0.0	19.9	20.0	9.8	10.0
Pneumoconiosis	15.3	15.0	15.2	15.0	45.1	45.0	0.0	0.0	0.0	0.0	20.0	20.0	4.4	5.0
Board of Risk & Insurance Mgmt.	15.2	15.0	14.9	15.0	45.1	45.0	0.0	0.0	0.0	0.0	19.9	20.0	4.9	5.0
Public Employees' Insurance Agency	15.2	15.0	15.3	15.0	49.6	50.0	0.0	0.0	0.0	0.0	19.9	20.0	0.0	0.0
WV Retiree Health Benefit Trust Fund	27.7	27.5	27.7	27.5	15.4	15.0	10.2	10.0	9.2	10.0	9.8	10.0	0.0	0.0
AccessWV	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	100.0
Endowment Assets														
Wildlife Fund	27.6	27.5	27.7	27.5	15.4	15.0	10.2	10.0	9.1	10.0	9.8	10.0	0.2	0.0
Prepaid Tuition Trust	30.5	30.0	16.3	16.0	51.9	54.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
Revenue Shortfall Reserve Fund	0.0	0.0	0.0	0.0	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Revenue Shortfall Reserve Fund - Part B	10.4	10.0	10.4	10.0	79.1	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
WV DEP Trust	35.3	35.0	28.2	28.0	36.4	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
WV DEP Agency	19.2	20.0	18.5	20.0	36.7	40.0	0.0	0.0	0.0	0.0	18.4	20.0	7.2	0.0

Statutory Limitations

- Public Equity - 75%
- International Proportions of Equity, Fixed Income, and Real Estate - 30%
- Real Estate - 25%
- Private Equity and Hedge Funds - 20% in aggregate

(a) As of January 2014, the PERS Policy is 30% Russell 3000, 30% MSCI ACW ex USA (IMI), and 40% Barclays Capital Universal. From April 2008 to December 2013, the PERS Policy was 30% Russell 3000, 30% MSCI ACW ex USA (Standard), and 40% Barclays Capital Universal. Prior periods were 42% Russell 3000, 18% MSCI ACW ex USA, and 40% Barclays Capital Aggregate.

(b) As of January 2014, the Total Equity Policy Index is 50% Russell 3000 and 50% MSCI ACW ex USA (IMI). From April 2008 to December 2013, the Total Equity Policy Index was 50% Russell 3000 and 50% MSCI ACW ex USA (Standard). Prior periods were 40% S&P 500, 30% Russell 2500, and 30% MSCI ACW ex USA.

(c) Prior to January 2014, the index was the MSCI ACW ex USA (Standard).

(d) Prior to April 2008, the index was Barclays Capital Aggregate.

(e) Prior to January 2014, the index was Citigroup 90 Day T-Bill plus 15 basis points.

(f) The Private Equity Composite and Real Estate Composite are long-term programs whose benchmarks are only reported for 5 years and beyond.

(g) Prior to January 2014, the index was S&P 500 plus 500 basis points.

(h) Prior to January 2014, the index was Libor plus 400 basis points.

(i) Franklin Benchmark is 50% JPM EMBI Global Diversified and 50% JPM GBI EM Diversified.

(j) Prior to April 2008, the index was a custom index.

(k) Security Capital Benchmark is 40% Wilshire US REIT Index, 30% Wells Fargo Hybrid & Preferred Securities REIT Index, and 30% BC REIT Bond Index.

Note: Participant returns are net of fees. Portfolio returns are net of management fees. Returns shorter than one year are unannualized.