



# West Virginia Investment Management Board

## Participant Plan Performance Report

July 31, 2014

STRATEGIC INVESTMENT SOLUTIONS, INC.

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333 Bush Street, Suite 2000  
San Francisco, CA 94104  
(415) 362-3484

**West Virginia Investment Management Board**  
 Participant Plans Allocation & Performance Net of Fees  
 As of July 31, 2014

	6/30/2014		7/31/2014		Performance %						
	Asset (\$000)	%	Asset (\$000)	%	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year
<b>WVIMB Fund Assets</b>	<b>16,877,312</b>	<b>100.0</b>	<b>16,665,127</b>	<b>100.0</b>							
<b>Pension Assets</b>	<b>13,389,464</b>	<b>79.3</b>	<b>13,214,572</b>	<b>79.3</b>							
Public Employees' Retirement System	5,629,812	33.4	5,564,328	33.4	(0.9)	2.7	(0.9)	13.6	10.1	12.0	7.9
Teachers' Retirement System	6,655,376	39.3	6,561,017	39.3	(0.9)	2.7	(0.9)	13.6	10.0	11.9	7.6
EMS Retirement System	53,343	0.3	51,271	0.3	(0.9)	2.7	(0.9)	13.6	10.0	11.9	
Public Safety Retirement System	601,077	3.6	592,503	3.6	(0.9)	2.6	(0.9)	13.5	10.1	12.1	7.9
Judges' Retirement System	165,239	1.0	163,388	1.0	(0.9)	2.7	(0.9)	13.6	10.1	12.0	7.9
State Police Retirement System	120,572	0.7	119,530	0.7	(0.9)	2.7	(0.9)	13.6	10.0	11.9	7.8
Deputy Sheriffs' Retirement System	161,491	1.0	159,961	1.0	(0.9)	2.7	(0.9)	13.6	10.1	12.0	7.9
Municipal Police & Firefighter Retirement System	1,150	0.0	1,189	0.0	(0.9)	2.6	(0.9)	12.9	10.4		
Municipal Model A	1,404	0.0	1,385	0.0	(0.9)	2.7	(0.9)	13.3			
<b>Insurance Assets</b>	<b>2,449,418</b>	<b>14.5</b>	<b>2,417,685</b>	<b>14.5</b>							
Workers' Compensation Old Fund	1,197,954	7.0	1,176,435	7.0	(0.5)	1.7	(0.5)	7.2	5.5	7.2	
Workers' Comp. Self-Insured Guaranty Risk Pool	15,707	0.1	15,601	0.1	(0.5)	1.9	(0.5)	8.0	6.0	5.0	
Workers' Comp. Self-Insured Security Risk Pool	7,165	0.0	7,064	0.0	(0.5)	1.9	(0.5)				
Workers' Comp. Uninsured Employers' Fund	10,704	0.1	10,651	0.1	(0.5)	1.9	(0.5)	7.8	5.9	4.6	
Pneumoconiosis	269,556	1.6	266,709	1.6	(0.5)	2.0	(0.5)	8.0	6.1	7.9	5.7
Board of Risk & Insurance Management	147,378	0.9	146,662	0.9	(0.5)	1.9	(0.5)	8.0	6.1	8.0	
Public Employees' Insurance Agency	214,210	1.3	213,134	1.3	(0.5)	2.0	(0.5)	8.2	6.4	7.8	
WV Retiree Health Benefit Trust Fund	584,257	3.5	578,942	3.5	(0.9)	2.7	(0.9)	13.5	9.7	10.4	
AccessWV	2,487	0.0	2,487	0.0	0.0	0.0	0.0	1.7	2.4		
<b>Endowment Assets</b>	<b>1,038,430</b>	<b>6.2</b>	<b>1,032,870</b>	<b>6.2</b>							
Wildlife Fund	52,488	0.3	52,056	0.3	(0.9)	2.7	(0.9)	13.4	10.0	11.9	7.8
Prepaid Tuition Trust	77,100	0.5	74,446	0.4	(0.9)	1.8	(0.9)	10.0	8.1	10.6	7.6
Revenue Shortfall Reserve Fund	477,831	2.8	477,622	2.9	0.0	1.8	0.0	4.5	3.3	6.0	
Revenue Shortfall Reserve Fund - Part B	381,423	2.3	379,522	2.3	(0.5)	1.6	(0.5)	7.4	5.7	8.1	
WV DEP Trust	8,717	0.1	8,620	0.1	(1.1)	2.2	(1.1)	12.8	9.8		
WV DEP Agency	40,871	0.2	40,604	0.2	(0.7)	1.9	(0.7)				

**West Virginia Investment Management Board**

Composite Asset Allocation &amp; Performance Net of Fees

As of July 31, 2014

	Asset (\$000)	%	Performance %							
			1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year	
Investment Pools Composite	16,675,711	100.00								
Total Equity Composite	8,293,312	49.73	(1.62)	2.68	(1.62)	17.52	12.55	14.91	8.98	
+/- Total Equity Policy Index (b)			(0.09)	(0.01)	(0.09)	1.27	1.10	1.69	1.20	
US Equity Composite	4,125,292	24.74	(2.18)	2.28	(2.18)	16.30	16.61	17.56	8.79	
+/- Russell 3000 Index			(0.21)	(0.40)	(0.21)	(0.07)	0.03	0.48	0.36	
Large Cap Composite	3,086,135	18.51	(1.46)	3.19	(1.46)	17.01	16.86	17.04	8.16	
+/- S&P 500 Index			(0.08)	0.17	(0.08)	0.07	0.02	0.25	0.16	
Non-Large Cap Composite	1,039,157	6.23	(4.27)	(0.34)	(4.27)	14.15	15.77	19.87	10.49	
+/- Russell 2500 Index			0.65	(1.14)	0.65	2.07	0.71	1.52	0.61	
International Equity Composite	4,168,020	24.99	(1.05)	3.08	(1.05)	18.55	8.40	12.04	10.03	
+/- MSCI AC World ex US IMI Index (c)			0.04	0.39	0.04	2.49	2.03	2.71	1.59	
Fixed Income Composite	3,411,699	20.46	(0.01)	1.35	(0.01)	5.45	4.35	6.28	5.27	
+/- Barclays Capital Universal (d)			0.30	0.31	0.30	0.91	0.77	1.16	0.20	
Core Fixed Income	1,054,757	6.33	(0.11)	1.08	(0.11)	4.20	3.67	5.41		
+/- Barclays Capital Aggregate			0.14	0.14	0.14	0.23	0.63	0.94		
Total Return Fixed Income	2,356,942	14.13	0.03	1.47	0.03	6.02	4.70	6.75	5.92	
+/- Barclays Capital Universal			0.34	0.43	0.34	1.48	1.12	1.63	0.80	
TIPS Composite	481,257	2.89	(0.05)	2.35	(0.05)	3.64	2.22			
+/- Barclays Capital U.S. TIPS			(0.08)	(0.10)	(0.08)	(0.07)	(0.03)			
Cash Composite	148,683	0.89	0.01	0.02	0.01	0.10	0.13	0.13	1.75	
+/- Citigroup 90 Day T-Bill (e)			0.01	0.01	0.01	0.01	(0.05)	(0.10)	(0.01)	
Private Equity Composite	1,364,973	8.19	(0.17)	5.23	(0.17)	18.13	12.65	15.33		
+/- Russell 3000 + 3% (f, g)								(6.04)		
Real Estate Composite	1,409,507	8.45	0.15	3.12	0.15	10.54	9.33	9.57		
+/- NCREIF + 1% (f)								0.09		
Hedge Fund Composite	1,566,280	9.39	0.08	2.07	0.08	7.86	6.17	6.93		
+/- HFRI FOF + 1% (h)			0.59	0.32	0.59	4.08	1.99	2.70		

**West Virginia Investment Management Board**

Participant Plans Allocation vs. Strategy

As of July 31, 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	27.3	27.5	27.7	27.5	14.4	15.0	9.9	10.0	10.2	10.0	10.3	10.0	0.2	0.0
Teachers' Retirement System	26.9	27.5	27.3	27.5	14.4	15.0	9.9	10.0	10.1	10.0	10.2	10.0	1.2	0.0
EMS Retirement System	27.3	27.5	27.7	27.5	13.7	15.0	10.5	10.0	10.5	10.0	10.3	10.0	0.0	0.0
Public Safety Retirement System	27.4	27.5	27.7	27.5	14.3	15.0	9.2	10.0	10.3	10.0	11.1	10.0	0.0	0.0
Judges' Retirement System	27.8	27.5	27.8	27.5	15.3	15.0	8.3	10.0	10.2	10.0	10.4	10.0	0.2	0.0
State Police Retirement System	27.1	27.5	27.4	27.5	14.8	15.0	9.5	10.0	10.2	10.0	10.6	10.0	0.4	0.0
Deputy Sheriffs' Retirement System	27.2	27.5	27.6	27.5	14.6	15.0	9.8	10.0	10.2	10.0	10.5	10.0	0.1	0.0
Municipal Police & Firefighter Retirement System	25.6	27.5	26.0	27.5	13.5	15.0	9.6	10.0	9.5	10.0	9.4	10.0	6.4	0.0
Municipal Model A	27.3	27.5	27.7	27.5	14.0	15.0	10.2	10.0	10.1	10.0	10.0	10.0	0.7	0.0

**Insurance Assets**

Workers' Compensation Old Fund	15.3	15.0	15.0	15.0	66.7	70.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0
Workers' Comp. Self-Insured Guaranty Risk Pool	14.9	15.0	15.1	15.0	45.0	45.0	0.0	0.0	0.0	0.0	20.1	20.0	4.9	5.0
Workers' Comp. Self-Insured Security Risk Pool	15.1	15.0	15.2	15.0	45.3	45.0	0.0	0.0	0.0	0.0	20.3	20.0	4.1	5.0
Workers' Comp. Uninsured Employers Fund	14.8	15.0	15.1	15.0	40.0	40.0	0.0	0.0	0.0	0.0	20.1	20.0	10.0	10.0
Pneumoconiosis	15.0	15.0	15.0	15.0	45.4	45.0	0.0	0.0	0.0	0.0	20.2	20.0	4.4	5.0
Board of Risk & Insurance Mgmt.	15.0	15.0	14.8	15.0	45.2	45.0	0.0	0.0	0.0	0.0	20.1	20.0	4.9	5.0
Public Employees' Insurance Agency	14.9	15.0	15.1	15.0	49.9	50.0	0.0	0.0	0.0	0.0	20.1	20.0	0.0	0.0
WV Retiree Health Benefit Trust Fund	27.2	27.5	27.5	27.5	14.8	15.0	10.2	10.0	10.2	10.0	10.0	10.0	0.1	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	27.2	27.5	27.5	27.5	14.8	15.0	10.2	10.0	10.2	10.0	10.0	10.0	0.1	0.0
Prepaid Tuition Trust	30.3	30.0	16.4	16.0	53.3	54.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	15.1	15.0	14.3	15.0	70.6	70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WV DEP Trust	36.6	37.0	28.2	28.0	15.2	15.0	0.0	0.0	0.0	0.0	19.9	20.0	0.1	0.0
WV DEP Agency	20.6	20.0	19.4	20.0	39.9	40.0	0.0	0.0	0.0	0.0	20.1	20.0	0.0	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

## West Virginia Investment Management Board

### Footnotes

As of July 31, 2014

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- (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.