



**PERSPECTIVES
THAT DRIVE
ENTERPRISE
SUCCESS**



PERIOD ENDING: OCTOBER 31, 2024

Participant Plan Performance Review for

West Virginia Investment Management Board

Participant Plans Allocation & Performance Net of Fees

Period Ending: October 31, 2024

	6/30/2024		10/31/2024		Performance %							
	Asset (\$000)	%	Asset (\$000)	%	1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year	20 Year
WVIMB Fund Assets	26,315,335	100.0	26,732,146	100.0								
Pension Assets	21,418,293	81.3	21,725,593	81.3								
Public Employees' Retirement System	9,060,044	34.4	9,238,882	34.5	(1.5)	1.2	2.8	18.1	4.5	9.2	8.4	7.9
Teachers' Retirement System	10,042,974	38.2	10,121,641	37.9	(1.5)	1.2	2.7	18.1	4.5	9.2	8.3	7.8
EMS Retirement System	142,608	0.5	147,332	0.6	(1.5)	1.2	2.7	18.1	4.5	9.2	8.3	
Public Safety Retirement System	820,831	3.1	824,659	3.1	(1.5)	1.2	2.8	18.1	4.5	9.3	8.4	7.9
Judges' Retirement System	306,539	1.2	313,442	1.2	(1.5)	1.2	2.8	18.2	4.5	9.3	8.4	7.9
State Police Retirement System	365,544	1.4	377,435	1.4	(1.5)	1.2	2.8	18.1	4.5	9.2	8.4	7.9
Deputy Sheriffs' Retirement System	352,093	1.3	361,956	1.4	(1.5)	1.2	2.8	18.1	4.5	9.2	8.3	7.9
Municipal Police & Firefighter Retirement System	46,198	0.2	49,750	0.2	(1.5)	1.2	2.7	18.0	4.4	9.2	8.2	
Natural Resources Police Office Retirement System	32,082	0.1	33,298	0.1	(1.5)	1.2	2.7	18.1	4.5			
Municipal Model A	246,093	0.9	253,671	0.9	(1.5)	1.2	2.8	18.4	5.1	9.7	8.6	
Municipal Model B	3,287	0.0	3,527	0.0	(2.1)	1.5	3.7	22.5	3.1	6.9		
Insurance Assets	3,329,471	12.8	3,391,159	12.8								
Workers' Compensation Old Fund	836,283	3.2	833,771	3.1	(1.2)	1.5	3.1	15.6	1.9	5.2	4.9	
Workers' Comp. Self-Insured Guaranty Risk Pool	40,246	0.2	41,384	0.2	(1.2)	1.5	3.1	15.6	2.2	5.5	5.0	
Workers' Comp. Self-Insured Security Risk Pool	50,726	0.2	51,574	0.2	(1.2)	1.5	3.1	15.6	2.3	5.5	5.0	
Workers' Comp. Uninsured Employers' Fund	18,638	0.1	19,383	0.1	(1.2)	1.5	3.1	15.6	2.3	5.4	4.9	
Pneumoconiosis	201,841	0.8	201,927	0.8	(1.2)	1.5	3.1	15.7	2.3	5.5	5.0	5.2
Board of Risk & Insurance Management	90,829	0.3	93,658	0.3	(1.2)	1.5	3.1	15.6	2.2	5.5	5.0	
Public Employees' Insurance Agency	148,452	0.6	153,221	0.6	(1.2)	1.5	3.2	15.4	2.0	5.0	4.7	
WV Retiree Health Benefit Trust Fund	1,942,456	7.4	1,996,241	7.5	(1.6)	1.2	2.8	18.1	4.5	9.2	8.4	
Endowment Assets	1,567,571	5.9	1,615,394	5.9								
Berkeley County Development Authority	6,800	0.0	6,988	0.0	(1.6)	1.2	2.8	17.6	4.3	9.1		
Wildlife Fund	74,682	0.3	74,605	0.3	(1.5)	1.2	2.8	18.1	4.5	9.2	8.3	7.9
WV State Parks and Recreation Endowment Fund	47,125	0.2	51,015	0.2	(1.5)	1.2	2.8	18.1	4.7			
Revenue Shortfall Reserve Fund	609,682	2.3	627,261	2.3	(1.5)	0.9	2.6	11.4	0.2	1.5	2.2	
Revenue Shortfall Reserve Fund - Part B	554,537	2.1	571,021	2.1	(1.7)	1.1	3.0	14.0	0.4	3.7	4.2	
WV DEP Trust	10,997	0.0	11,354	0.0	(1.4)	1.6	3.2	19.8	3.7	8.4	7.2	
WV DEP Agency	263,748	1.0	273,150	1.0	(1.3)	1.8	3.6	19.1	3.1	6.5	5.8	

Composite Asset Allocation & Performance Net of Fees

Period Ending: October 31, 2024

	Asset (\$000)	%	Performance %								
			1 Month	3 Month	FYTD	1 Year	3 Year	5 Year	10 Year	20 Year	
Investment Pools Composite	26,746,454	100.00									
Portable Alpha Composite +/- S&P 500 Index	6,159,672	23.03	(1.95) (1.04)	2.24 (1.42)	3.74 (1.19)	37.30 (0.72)	8.47 (0.61)				
Large Cap Domestic Equity Composite +/- S&P 500 Index	342,895	1.28	(0.91) 0.00	3.67 0.01	4.88 (0.05)	37.99 (0.03)	8.99 (0.09)	15.26 (0.01)	12.84 (0.16)	10.64 0.06	
Non-Large Cap Domestic Equity Composite +/- Russell 2500 Index	1,198,719	4.48	(1.37) (0.44)	1.77 1.48	6.77 (0.97)	34.10 1.02	4.81 3.30	11.71 1.90	9.33 0.41	9.86 0.56	
International Equity Composite +/- MSCI AC World ex US IMI Index (a)	4,250,518	15.89	(3.99) 0.92	0.31 (0.10)	3.15 0.18	25.13 0.24	2.78 1.02	7.37 1.03	6.11 0.70	7.44 1.22	
Fixed Income Composite +/- Bloomberg Universal (b)	4,922,812	18.41	(2.15) 0.12	0.66 0.13	2.95 0.14	11.69 0.49	(0.67) 1.11	1.27 1.09	2.60 0.78	3.77 0.43	
Core Fixed Income Composite +/- Bloomberg US Aggregate	2,222,908	8.31	(2.40) 0.08	0.31 0.06	2.73 0.14	11.35 0.80	(1.29) 0.91	0.68 0.91	2.17 0.68		
Total Return Fixed Income Composite (c) +/- Bloomberg Universal	2,699,904	10.10	(1.95) 0.32	0.95 0.42	3.13 0.32	11.97 0.77	(0.15) 1.63	1.66 1.48	2.84 1.02	4.18 0.83	
TIPS Composite +/- Bloomberg US TIPS 1-10 Yr (d)	524,501	1.96	(1.32) 0.00	0.62 (0.02)	2.09 (0.05)	7.67 (0.03)	(1.10) 0.03	2.52 0.06	2.43 0.04		
Cash Composite +/- FTSE 3 Month US T-Bill (e)	167,871	0.63	0.41 (0.02)	1.29 (0.05)	1.77 (0.04)	5.37 (0.22)	3.63 (0.15)	2.30 (0.14)	1.65 (0.06)	1.68 (0.03)	
Private Equity Composite +/- Russell 3000 + 3% (f, g)	2,679,671	10.02	0.01 0.50	0.01 (4.26)	0.00 (6.44)	4.80 (36.05)	5.95 (4.69)	17.32 (0.28)	16.82 1.38		
Real Estate Composite +/- NCREIF + 1% (f)	2,475,692	9.26	(0.47) (0.81)	0.44 0.10	0.79 0.45	(3.54) 0.31	0.35 (2.50)	2.89 (1.46)	5.93 (1.08)		
Hedge Fund Composite +/- HFRI FOF + 1% (h)	2,905,037	10.86	1.17 0.70	3.34 1.20	3.91 1.20	15.23 2.29	7.50 4.34	8.29 1.87	5.65 0.87		
Private Credit & Income Composite +/- SOFR + 4% (f, i)	1,119,066	4.18	0.14 (0.61)	(0.57) (2.87)	0.03 (3.07)	6.57 (2.93)	5.52 (1.12)	6.20 (0.56)			

Participant Plans Allocation vs. Strategy

Period Ending: October 31, 2024

	Equity		Fixed Income		Private Equity		Real Estate		Private Credit & Income		Hedge Funds		Cash	
	Actual %	Strategy %	Actual %	Strategy %	Actual %	Strategy %	Actual %	Strategy %	Actual %	Strategy %	Actual %	Strategy %	Actual %	Strategy %

Pension Assets

Public Employees' Retirement System	47.5	45.0	15.8	15.0	11.0	12.0	10.1	12.0	4.6	6.0	10.8	10.0	0.2	0.0
Teachers' Retirement System	47.5	45.0	15.8	15.0	11.0	12.0	10.1	12.0	4.6	6.0	10.8	10.0	0.2	0.0
EMS Retirement System	47.3	45.0	15.8	15.0	10.9	12.0	10.1	12.0	4.6	6.0	10.8	10.0	0.5	0.0
Public Safety Retirement System	47.5	45.0	15.7	15.0	11.0	12.0	10.2	12.0	4.6	6.0	10.9	10.0	0.1	0.0
Judges' Retirement System	47.3	45.0	16.1	15.0	11.0	12.0	10.1	12.0	4.6	6.0	10.8	10.0	0.1	0.0
State Police Retirement System	47.2	45.0	16.0	15.0	10.9	12.0	10.1	12.0	4.6	6.0	10.8	10.0	0.4	0.0
Deputy Sheriffs' Retirement System	47.3	45.0	15.7	15.0	10.9	12.0	10.1	12.0	4.6	6.0	10.8	10.0	0.6	0.0
Municipal Police & Firefighter Retirement System	47.0	45.0	15.6	15.0	10.8	12.0	10.0	12.0	4.5	6.0	10.7	10.0	1.4	0.0
Natural Resources Police Office Retirement System	47.1	45.0	15.5	15.0	10.9	12.0	10.1	12.0	4.6	6.0	10.8	10.0	1.0	0.0
Municipal Model A	46.7	45.0	15.6	15.0	10.8	12.0	10.0	12.0	4.5	6.0	10.6	10.0	1.8	0.0
Municipal Model B	54.8	55.0	43.4	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0

Insurance Assets

Workers' Compensation Old Fund	26.0	25.0	45.0	45.0	3.7	4.0	3.4	4.0	1.5	2.0	16.2	15.0	4.2	5.0
Workers' Comp. Self-Insured Guaranty Risk Pool	25.9	25.0	44.6	45.0	3.6	4.0	3.4	4.0	1.5	2.0	16.1	15.0	4.9	5.0
Workers' Comp. Self-Insured Security Risk Pool	25.9	25.0	44.7	45.0	3.6	4.0	3.4	4.0	1.5	2.0	16.2	15.0	4.7	5.0
Workers' Comp. Uninsured Employers' Fund	25.8	25.0	44.4	45.0	3.6	4.0	3.3	4.0	1.5	2.0	16.1	15.0	5.3	5.0
Pneumoconiosis	26.0	25.0	45.0	45.0	3.7	4.0	3.4	4.0	1.5	2.0	16.2	15.0	4.2	5.0
Board of Risk & Insurance Management	25.9	25.0	44.5	45.0	3.6	4.0	3.4	4.0	1.5	2.0	16.1	15.0	5.0	5.0
Public Employees' Insurance Agency	20.3	20.0	53.9	55.0	1.8	2.0	1.7	2.0	0.8	1.0	21.5	20.0	0.0	0.0
WV Retiree Health Benefit Trust Fund	47.3	45.0	16.3	15.0	10.9	12.0	10.1	12.0	4.6	6.0	10.8	10.0	0.0	0.0

Endowment Assets

Berkeley County Development Authority	47.4	45.0	16.2	15.0	10.9	12.0	10.1	12.0	4.6	6.0	10.8	10.0	0.0	0.0
Wildlife Fund	47.1	45.0	16.3	15.0	10.9	12.0	10.1	12.0	4.6	6.0	10.8	10.0	0.2	0.0
WV State Parks and Recreation Endowment Fund	46.6	45.0	16.0	15.0	10.8	12.0	9.9	12.0	4.5	6.0	10.6	10.0	1.6	0.0
Revenue Shortfall Reserve Fund	10.3	10.0	79.6	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	10.0
Revenue Shortfall Reserve Fund - Part B	18.1	17.5	72.2	72.5	1.8	2.0	1.7	2.0	0.8	1.0	5.4	5.0	0.0	0.0
WV DEP Trust	52.0	50.0	16.0	15.0	9.1	10.0	8.4	10.0	3.8	5.0	10.7	10.0	0.0	0.0
WV DEP Agency	35.3	35.0	39.0	40.0	1.8	2.0	1.7	2.0	0.8	1.0	21.4	20.0	0.0	0.0

Footnotes

- (a) Prior to January 2014, the index was the MSCIACW ex USA (Standard).
- (b) Prior to April 2008, the index was Bloomberg US Aggregate.
- (c) From October 2015 to March 2017, performance returns from the Opportunistic Income Pool were included in the Total Return Fixed Income Composite.
- (d) Prior to June 2023, the index was Bloomberg US TIPS.
- (e) Prior to January 2014, the index was FTSE 3 Month US T-Bill plus 15 basis points.
- (f) Private Equity, Real Estate, and Private Credit & Income consist primarily of private market investments. The time lag in determining the fair value of these investments makes the comparison to their public market benchmarks less meaningful over shorter time periods.
- (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) From April 2017 to May 2023, the index was CS Leveraged Loan plus 200 basis points. Prior to April 2017, the index was CS Leveraged Loan plus 250 basis points.

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

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