

West Virginia Board of Treasury Investments

Analysis of Investment Performance

Period Ending March 31, 2024

Jeffrey C. Boucek, CFA, Senior Vice President
J. Keith Reynolds, Vice President
Alan Peak, Associate Consultant

Market Environment – March 2024

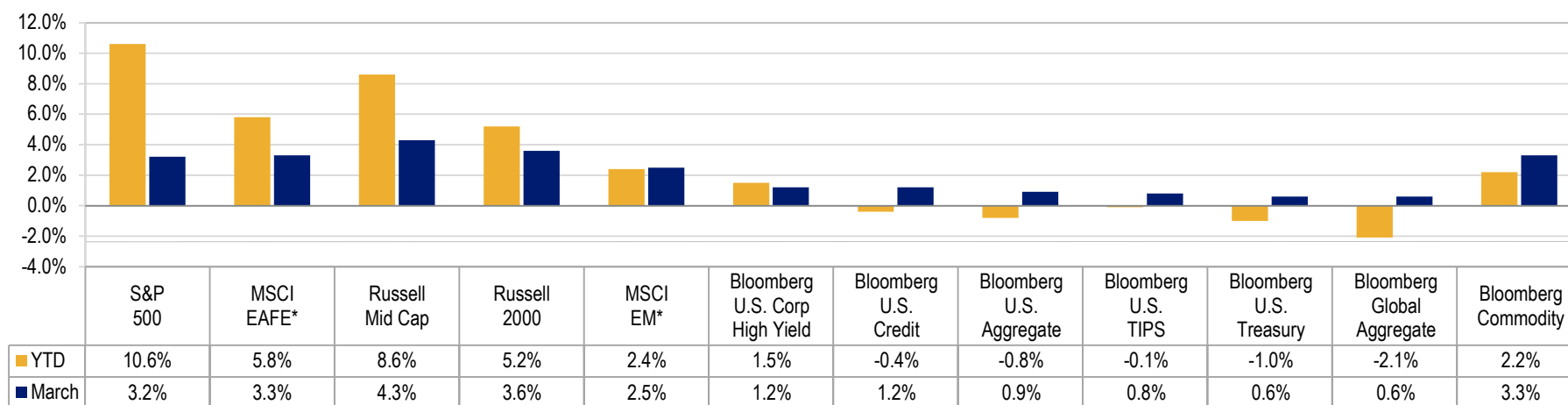
March Highlights

- Unemployment remains near historic lows at 3.9%. Another robust monthly private jobs report from ADP in March added 184,000 jobs to the US economy. The Fed continued to hold rates steady at a targeted range of 5.25%-5.5% with recent comments suggesting fewer interest rate cuts later in the year.
- U.S. stocks of all sizes were positive again this month with value companies leading the way. Energy (+10.6%) led all S&P 500 sectors for the month, while consumer discretionary (+0.1%) posted the lowest sector return.
- Global stocks were mostly positive with modest positive returns across countries in Europe and the Pacific regions. The EAFE outperformed the U.S. (0.1%) in the month. Emerging market stocks were also positive led by Taiwan (7.9%).
- Bond prices fell again as yields in the medium- to long-term curve increased further. All bond sectors were flat to positive with long duration government/credit leading the way (+1.6%), while municipals (0.0%) posted the lowest return.
- All commodity subsectors were positive except for livestock (-0.8%). Precious metals had the best performance up 8.6%.

2024 Highlights

- Global equity market performance continued to surge based on robust earnings and resilient economics data. US mega caps stocks remain in the lead driven by a handful of growth-oriented technology (+12.7%) & communication services (+15.8%) companies.
- Non-U.S. developed market stocks continued their modest rise led by a handful of mega cap stocks. Japan's Nikkei index finally set a new high at a level last reached in 1989. Emerging markets remain constrained by China's continued economic weakness.
- Most fixed income sector returns fell as bond yields increased inversely impacted bond prices. Anticipated interest rate cuts have been reduced as economic conditions remain strong. High yield (+1.5%), T-Bills (+1.4%) and investment grade CMBS (+1.0%) are the few positive sectors this year.
- Commodities rebounded with mixed results. Energy (+4.8%) and precious metals (+6.6%) rebounded in Q1, while agriculture (-3.0%) and industrial metals (-0.7%) declined. Livestock (+11%) was the top performing Q1 subsector.

Returns



*Net dividends reinvested

West Virginia Board of Treasury Investments

Total Fund Allocation and Performance - Net of Fees

As of March 31, 2024

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	1 Month	Quarter	Year To Date	FYTD	1 Year	3 Years	5 Years
Total Composite	10,989,424,985	100.0							
Money Market Pool*	9,811,767,838	89.3	0.440	1.347	1.347	4.248	5.608	2.854	2.206
<i>Custom Money Market Pool Index**</i>			0.407	1.229	1.229	3.737	4.922	2.427	1.844
Federated Hermes - Money Market	4,904,259,157	44.6	0.443	1.345	1.345	4.290	5.648	2.865	2.222
UBS - Money Market	4,907,508,680	44.7	0.438	1.349	1.349	4.207	5.568	2.844	2.191
Government Money Market Pool	499,058,342	4.5	0.451	1.312	1.312	4.075	5.381	2.679	2.033
<i>Custom Government Money Market Pool Index***</i>			0.411	1.240	1.240	3.757	4.957	2.442	1.802
UBS - Government	499,058,342	4.5	0.451	1.312	1.312	4.075	5.381	2.679	2.033
Short-Term Bond Pool****	678,598,806	6.2	0.499	0.797	0.797	4.654	4.703	1.041	2.084
<i>Short-Term Bond Pool Index*****</i>			0.389	0.480	0.480	3.990	3.661	0.343	1.463
Sterling - Short-Term Bond	678,598,806	6.2	0.499	0.797	0.797	4.654	4.703	1.041	2.084

*The West Virginia Money Market Pool is a multi manager investment pool, which is managed by Federated Hermes and UBS Global Asset Management.

** Benchmark is iMoneyNet First Tier Retail Average as of 8/1/2021.

*** Benchmark is iMoneyNet Government & Agency Institutional Average as of 8/1/2021.

**** The West Virginia Short Term Bond Pool is managed by Sterling Capital Advisors. Prior to November 1, 2018, the Pool was managed by Federated Hermes.

***** Benchmark is BofA Merrill Lynch 1-3 Year Government/Credit Index + 10 bps; prior to November 1, 2018 BofA Merrill Lynch 1-3 Year Government/Credit Index A or Better + 10bps

West Virginia Board of Treasury Investments

Total Fund Allocation and Performance - Gross of Fees

As of March 31, 2024

	Allocation		Performance (%)						
	Market Value (\$)	% of Portfolio	1 Month	Quarter	Year To Date	FYTD	1 Year	3 Years	5 Years
Total Composite	10,989,424,985	100.0							
Money Market Pool*	9,811,767,838	89.3	0.443	1.354	1.354	4.271	5.639	2.884	2.236
<i>Custom Money Market Pool Index**</i>			0.407	1.229	1.229	3.737	4.922	2.427	1.844
Federated Hermes - Money Market	4,904,259,157	44.6	0.445	1.352	1.352	4.311	5.676	2.892	2.249
UBS - Money Market	4,907,508,680	44.7	0.441	1.357	1.357	4.231	5.601	2.876	2.223
Government Money Market Pool	499,058,342	4.5	0.453	1.319	1.319	4.098	5.412	2.710	2.065
<i>Custom Government Money Market Pool Index***</i>			0.411	1.240	1.240	3.757	4.957	2.442	1.802
UBS - Government	499,058,342	4.5	0.453	1.319	1.319	4.098	5.412	2.710	2.065
Short-Term Bond Pool****	678,598,806	6.2	0.504	0.812	0.812	4.702	4.767	1.101	2.143
<i>Short-Term Bond Pool Index*****</i>			0.389	0.480	0.480	3.990	3.661	0.343	1.463
Sterling - Short-Term Bond	678,598,806	6.2	0.504	0.812	0.812	4.702	4.767	1.101	2.143

*The West Virginia Money Market Pool is a multi manager investment pool, which is managed by Federated Hermes and UBS Global Asset Management.

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Investment Managers Cash Flow - Net of Fees

Quarter Ending March 31, 2024

	Beginning Market Value (\$)	Net Cash Flows (\$)	Net Investment Change (\$)	Ending Market Value (\$)
Total Composite	10,989,368,808	-146,252,847	146,309,024	10,989,424,985
Money Market Pool	9,820,783,774	-143,327,090	134,311,153	9,811,767,838
Federated Hermes - Money Market	4,908,847,576	-71,602,624	67,014,205	4,904,259,157
UBS - Money Market	4,911,936,198	-71,724,465	67,296,948	4,907,508,680
Government Money Market Pool - UBS	475,172,285	17,320,838	6,565,219	499,058,342
Short-Term Bond Pool - Sterling Capital	693,412,748	-20,246,594	5,432,652	678,598,806