
Putnam VT Government Money Market Fund

The fund's portfolio

9/30/23 (Unaudited)

REPURCHASE AGREEMENTS (85.8%)(a)

	Principal amount	Value
Interest in \$200,000,000 joint tri-party repurchase agreement dated 9/29/2023 with JPMorgan Securities, LLC due 10/2/2023 - maturity value of \$22,209,824 for an effective yield of 5.310% (collateralized by Agency Mortgage-Backed Securities with coupon rates ranging from 0.000% to 7.000% and due dates ranging from 1/1/2028 to 9/1/2053, valued at \$204,090,270)	\$22,200,000	\$22,200,000
Interest in \$339,363,000 joint tri-party repurchase agreement dated 9/29/2023 with Citigroup Global Markets, Inc. due 10/2/2023 - maturity value of \$22,261,828 for an effective yield of 5.300% (collateralized by Agency Mortgage-Backed Securities and U.S. Treasuries (including strips) with coupon rates ranging from 1.625% to 4.000% and due dates ranging from 10/31/2023 to 6/1/2052, valued at \$346,172,618)	22,252,000	22,252,000
Interest in \$287,900,000 joint tri-party repurchase agreement dated 9/29/2023 with Royal Bank of Canada due 10/2/2023 - maturity value of \$22,209,805 for an effective yield of 5.300% (collateralized by U.S. Treasuries (including strips) with coupon rates ranging from 0.000% to 5.603% and due dates ranging from 10/19/2023 to 7/15/2032, valued at \$293,787,765)	22,200,000	22,200,000
Total repurchase agreements (cost \$66,652,000)		\$66,652,000

U.S. GOVERNMENT AGENCY OBLIGATIONS (10.4%)(a)

	Yield (%)	Maturity date	Principal amount	Value
Federal Farm Credit Banks discount notes	5.393	1/4/24	\$550,000	\$542,350
Federal Home Loan Banks discount notes	5.470	6/17/24	700,000	673,408
Federal Home Loan Banks discount notes	5.467	3/22/24	750,000	730,826
Federal Home Loan Banks discount notes	5.455	3/20/24	750,000	731,083
Federal Home Loan Banks discount notes	5.461	3/13/24	330,000	322,002
Federal Home Loan Banks discount notes	5.475	2/9/24	640,000	627,610
Federal Home Loan Banks discount notes	5.427	2/1/24	750,000	736,521
Federal Home Loan Banks discount notes	5.422	12/1/23	500,000	495,527
Federal Home Loan Banks discount notes	5.390	11/24/23	500,000	496,063
Federal Home Loan Banks discount notes	5.364	10/19/23	250,000	249,344
Federal Home Loan Banks discount notes	5.411	10/18/23	500,000	498,749

Federal Home Loan Banks unsec. bonds	5.580	8/19/24	500,000	500,000
Federal Home Loan Banks unsec. bonds	5.490	7/15/24	500,000	500,000
Federal Home Loan Mortgage Corporation unsec. notes	5.420	6/17/24	500,000	500,000
Federal National Mortgage Association unsec. bonds	5.505	7/26/24	500,000	500,000
Total U.S. government agency obligations (cost \$8,103,483)				\$8,103,483

U.S. TREASURY OBLIGATIONS (3.5%)^(a)

	Yield (%)	Maturity date	Principal amount	Value
U.S. Treasury FRN	5.603	1/31/25	\$650,000	\$650,599
U.S. Treasury FRN	5.572	4/30/25	700,000	700,384
U.S. Treasury FRN	5.543	10/31/24	700,000	699,439
U.S. Treasury FRN	5.528	7/31/25	650,000	649,518
Total U.S. treasury obligations (cost \$2,699,940)				\$2,699,940

TOTAL INVESTMENTS

Total investments (cost \$77,455,423)				\$77,455,423
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Key to holding's abbreviations

FRN Floating Rate Notes: The rate shown is the current interest rate or yield at the close of the reporting period. Rates may be subject to a cap or floor. For certain securities, the rate may represent a fixed rate currently in place at the close of the reporting period.

Notes to the fund's portfolio

Unless noted otherwise, the notes to the fund's portfolio are for the close of the fund's reporting period, which ran from January 1, 2023 through September 30, 2023 (the reporting period). Within the following notes to the portfolio,

references to "Putnam Management" represent Putnam Investment Management, LLC, the fund's manager, an indirect wholly-owned subsidiary of Putnam Investments, LLC, references to "ASC 820" represent Accounting Standards Codification 820 *Fair Value Measurements and Disclosures* and references to "OTC", if any, represent over-the-counter.

(a) Percentages indicated are based on net assets of \$77,689,074.

The dates shown on debt obligations are the original maturity dates.

Security valuation: Portfolio securities and other investments are valued using policies and procedures adopted by the Board of Trustees. The Trustees have formed a Pricing Committee to oversee the implementation of these procedures and have delegated responsibility for valuing the fund's assets in accordance with these procedures to Putnam Management. Putnam Management has established an internal Valuation Committee that is responsible for making fair value determinations, evaluating the effectiveness of the pricing policies of the fund and reporting to the Pricing Committee.

The valuation of the fund's portfolio instruments is determined by means of the amortized cost method (which approximates fair value) as set forth in Rule 2a-7 under the Investment Company Act of 1940. The amortized cost of an instrument is determined by valuing it at its original cost and thereafter amortizing any discount or premium from its face value at a constant rate until maturity and is generally categorized as a Level 2 security.

Investments in open-end investment companies (excluding exchange-traded funds), if any, which can be classified as Level 1 or Level 2 securities, are valued based on their net asset value. The net asset value of such investment companies equals the total value of their assets less their liabilities and divided by the number of their outstanding shares.

Repurchase agreements: The fund, or any joint trading account, through its custodian, receives delivery of the underlying securities, the fair value of which at the time of purchase is required to be in an amount at least equal to the resale price, including accrued interest. Collateral for certain tri-party repurchase agreements, which totaled \$68,006,532 at the end of the reporting period, is held at the counterparty's custodian in a segregated account for the benefit of the fund and the counterparty. Putnam Management is responsible for determining that the value of these underlying securities is at all times at least equal to the resale price, including accrued interest. In the event of default or bankruptcy by the other party to the agreement, retention of the collateral may be subject to legal proceedings.

ASC 820 establishes a three-level hierarchy for disclosure of fair value measurements. The valuation hierarchy is based upon the transparency of inputs to the valuation of the fund's investments. The three levels are defined as follows:

Level 1: Valuations based on quoted prices for identical securities in active markets.

Level 2: Valuations based on quoted prices in markets that are not active or for which all significant inputs are observable, either directly or indirectly.

Level 3: Valuations based on inputs that are unobservable and significant to the fair value measurement.

The following is a summary of the inputs used to value the fund's net assets as of the close of the reporting period:

	Valuation inputs		
Investments in securities:	Level 1	Level 2	Level 3

Commercial paper	\$—	\$66,652,000	\$—
Repurchase agreements	—	8,103,483	—
U.S. treasury obligations	—	2,699,940	—
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Totals by level	\$—	\$77,455,423	\$—

For additional information regarding the fund please see the fund's most recent annual or semiannual shareholder report filed on the Securities and Exchange Commission's Web site, www.sec.gov, or visit Putnam's Individual Investor Web site at www.putnaminvestments.com