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Putnam Sustainable Future Fund

Summary prospectus

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FUND SYMBOLS	CLASS A	CLASS B	CLASS C	CLASS R	CLASS R6	CLASS Y
	PMVAX	PMVBX	PMPCX	PMVRX	PNOTX	PMVYX

George Putnam Balanced Fund
Putnam BDC Income ETF
Putnam BioRevolution ETF
Putnam California Tax Exempt
Income Fund
Putnam Convertible Securities Fund
Putnam Core Bond Fund
Putnam Core Equity Fund
Putnam Diversified Income Trust
Putnam Dynamic Asset Allocation
Balanced Fund
Putnam Dynamic Asset Allocation
Conservative Fund
Putnam Dynamic Asset Allocation
Growth Fund
Putnam Emerging Markets Equity Fund
Putnam Emerging Markets ex-China ETF
Putnam ESG Core Bond ETF
Putnam ESG High Yield ETF
Putnam ESG Ultra Short ETF
Putnam Floating Rate Income Fund
Putnam Focused Equity Fund
Putnam Focused International
Equity Fund
Putnam Focused Large Cap Growth ETF
Putnam Focused Large Cap Value ETF
Putnam Global Health Care Fund
Putnam Global Income Trust
Putnam Global Technology Fund
Putnam Government Money Market Fund
Putnam High Yield Fund
Putnam Income Fund
Putnam Intermediate-Term Municipal
Income Fund
Putnam International Capital
Opportunities Fund
Putnam International Equity Fund
Putnam International Value Fund
Putnam Large Cap Growth Fund
Putnam Large Cap Value Fund

Putnam Massachusetts Tax Exempt
Income Fund
Putnam Minnesota Tax Exempt
Income Fund
Putnam Money Market Fund
Putnam Mortgage Opportunities Fund
Putnam Mortgage Securities Fund
Putnam Multi-Asset Income Fund
Putnam New Jersey Tax Exempt Income
Fund
Putnam New York Tax Exempt Income Fund
Putnam Ohio Tax Exempt Income Fund
Putnam PanAgora ESG Emerging Markets
Equity ETF
Putnam PanAgora ESG International
Equity ETF
Putnam Pennsylvania Tax Exempt
Income Fund
Putnam Research Fund
Putnam Short Duration Bond Fund
Putnam Short-Term Municipal
Income Fund
Putnam Small Cap Growth Fund
Putnam Small Cap Value Fund
Putnam Strategic Intermediate
Municipal Fund
Putnam Sustainable Future ETF
Putnam Sustainable Future Fund
Putnam Sustainable Leaders ETF
Putnam Sustainable Leaders Fund
Putnam Tax Exempt Income Fund
Putnam Tax-Free High Yield Fund
Putnam Ultra Short Duration Income Fund
Putnam VT Core Equity Fund
Putnam VT Diversified Income Fund
Putnam VT Emerging Markets Equity Fund
Putnam VT Focused International
Equity Fund
Putnam VT George Putnam Balanced Fund
Putnam VT Global Asset Allocation Fund
Putnam VT Global Health Care Fund

**Putnam VT Government Money
Market Fund**
Putnam VT High Yield Fund
Putnam VT Income Fund
Putnam VT International Equity Fund
Putnam VT International Value Fund
Putnam VT Large Cap Growth Fund
Putnam VT Large Cap Value Fund

Putnam VT Mortgage Securities Fund
Putnam VT Research Fund
Putnam VT Small Cap Growth Fund
Putnam VT Small Cap Value Fund
Putnam VT Sustainable Future Fund
Putnam VT Sustainable Leaders Fund

This supplement replaces in its entirety the supplement to the Funds' summary prospectuses dated May 31, 2023.

On May 31, 2023, Franklin Resources, Inc. ("Franklin Resources") and Great-West Lifeco Inc., the parent company of Putnam U.S. Holdings I, LLC ("Putnam Holdings"), announced that they have entered into a definitive agreement for a subsidiary of Franklin Resources to acquire Putnam Holdings in a stock and cash transaction.

As part of this transaction, Putnam Investment Management, LLC ("Putnam Management"), a wholly owned subsidiary of Putnam Holdings and investment manager to the Putnam family of funds (the "Putnam Funds"), would become an indirect wholly owned subsidiary of Franklin Resources.

The transaction is subject to customary closing conditions, including receipt of applicable regulatory approvals. Subject to such approvals and the satisfaction of these conditions, the transaction is currently expected to be consummated in the fourth quarter of 2023.

Under the Investment Company Act of 1940, as amended, consummation of the transaction will result in the automatic termination of the investment management contract between each Putnam Fund and Putnam Management and any related sub-management and sub-advisory contracts, where applicable. In anticipation of this automatic termination, on June 23, 2023, the Board of Trustees of the Putnam Funds approved a new investment management contract between each Putnam Fund and Putnam Management (and new sub-management and sub-advisory contracts, if applicable), which will be presented to the shareholders of each Putnam Fund for their approval at shareholder meetings currently expected to occur in October 2023. Proxy solicitation materials related to these meetings, which will provide detailed information regarding the proposed transaction, are expected to be mailed to shareholders in the coming weeks.

The foregoing is not a solicitation of any proxy. For more information regarding the funds, or to receive a free copy of materials filed with the Securities and Exchange Commission ("SEC"), please visit Putnam's website at putnam.com/individual. Free copies of these materials can also be found on the SEC's website at <http://www.sec.gov>. Please read the funds' proxy statement carefully when it becomes available in the coming weeks because it will contain important information. The funds, their trustees, officers, and other members of management may be deemed to be participants in any future solicitation of the funds' shareholders in connection with the forthcoming meeting of shareholders. Shareholders may obtain information regarding the names, affiliations, and interests of these individuals in the funds' proxy statement when it becomes available.

Shareholders should retain this Supplement for future reference.

Putnam Sustainable Future Fund

Before you invest, you may wish to review the fund's prospectus, which contains more information about the fund and its risks. You may obtain the prospectus and other information about the fund, including the statement of additional information (SAI) and most recent reports to shareholders, at no cost by visiting putnam.com/funddocuments, calling 1-800-225-1581, or e-mailing Putnam at funddocuments@putnam.com.

The fund's prospectus and SAI, both dated 8/30/22, are incorporated by reference into this summary prospectus.

Goal

Putnam Sustainable Future Fund seeks long-term capital appreciation.

Fees and expenses

The following tables describe the fees and expenses you may pay if you buy, hold, and sell shares of the fund. You may pay other fees, such as brokerage commissions and other fees to financial intermediaries, which are not reflected in the tables and examples below. You may qualify for sales charge discounts if you and your family invest, or agree to invest in the future, at least \$50,000 in Putnam funds. More information about these and other discounts is available from your financial professional and in *How do I buy fund shares?* beginning on page 16 of the fund's prospectus, in the Appendix to the fund's prospectus, and in *How to buy shares* beginning on page II-1 of the fund's statement of additional information (SAI).

Shareholder fees *(fees paid directly from your investment)*

Share class	Maximum sales charge (load) imposed on purchases (as a percentage of offering price)	Maximum deferred sales charge (load) (as a percentage of original purchase price or redemption proceeds, whichever is lower)
Class A	5.75%	1.00%*
Class B	NONE	5.00%**
Class C	NONE	1.00%***
Class R	NONE	NONE
Class R6	NONE	NONE
Class Y	NONE	NONE

Annual fund operating expenses

(expenses you pay each year as a percentage of the value of your investment)

Share class	Management fees	Distribution and service (12b-1) fees	Other expenses	Total annual fund operating expenses
Class A	0.54%	0.25%	0.21%	1.00%
Class B	0.54%	1.00%	0.21%	1.75%
Class C	0.54%	1.00%	0.21%	1.75%
Class R	0.54%	0.50%	0.21%	1.25%
Class R6	0.54%	N/A	0.11%	0.65%
Class Y	0.54%	N/A	0.21%	0.75%

* Applies only to certain redemptions of shares bought with no initial sales charge.

** This charge is phased out over five years.

*** This charge is eliminated after one year.

Example

The following hypothetical example is intended to help you compare the cost of investing in the fund with the cost of investing in other funds. It assumes that you invest \$10,000 in the fund for the time periods indicated and then, except as indicated, redeem all your shares at the end of those periods. It assumes a 5% return on your investment each year and that the fund's operating expenses remain the same. Your actual costs may be higher or lower.

Share class	1 year	3 years	5 years	10 years
Class A	\$671	\$875	\$1,096	\$1,729
Class B	\$678	\$851	\$1,149	\$1,597
Class B (no redemption)	\$178	\$551	\$949	\$1,597
Class C	\$278	\$551	\$949	\$1,864
Class C (no redemption)	\$178	\$551	\$949	\$1,864
Class R	\$127	\$397	\$686	\$1,511
Class R6	\$66	\$208	\$362	\$810
Class Y	\$77	\$240	\$417	\$930

Portfolio turnover

The fund pays transaction-related costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher turnover rate may indicate higher transaction costs and may result in higher taxes when the fund's shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or the above example, affect fund performance. The fund's turnover rate in the most recent fiscal year was 50%.

Investments, risks, and performance

Investments

We invest mainly in common stocks of U.S. companies of any size, with a focus on companies whose products and services we believe provide solutions that directly contribute to sustainable social, environmental and economic development (Solutions Companies). Stocks of this type of company are typically, but not always, considered to be growth stocks. Growth stocks are stocks of companies whose revenues, earnings, or cash flows are expected to grow faster than those of similar firms, and whose

business growth and other characteristics may lead to an increase in stock price. We may consider, among other factors, a company's impact on sustainable environmental, social and economic development (as described below), valuation, financial strength, growth potential, competitive position in its industry, projected future earnings, cash flows and dividends when deciding whether to buy or sell investments. We may also invest in non-U.S. companies.

Our approach to sustainable investing incorporates fundamental research together with consideration of sustainable environmental, social and economic development impact. We believe that companies whose products and services produce positive environmental, social and economic development impact also often demonstrate potential for strong financial growth. Under normal circumstances, the fund invests at least 80% of the value of its net assets in securities that meet our sustainability criteria. These criteria are based on a proprietary sustainability solutions map that links to the United Nations Sustainable Development Goals (SDGs). In applying these criteria, we will assign each company a proprietary environmental, social and/or corporate governance (ESG) rating ranging from 1 to 4 (1 indicating the highest (best) ESG rating and 4 indicating the lowest (worst) ESG rating). In order to meet our sustainability criteria for purposes of this investment policy, a company must be rated 2 or 1 by us. This policy is non-fundamental and may be changed only after 60 days' notice to shareholders. In selecting each investment, we consider the extent to which a company's products or services may provide solutions to forward-looking sustainability needs, creating positive impact in environmental, social and economic development areas. Environmental impacts may include, for example, reduction of carbon emissions and improved water quality. Social impacts may include, for example, improvements in employee well-being, supplier standards, or access to products, information, or security. Economic development impacts may include, for example, stakeholder analysis and shared value approaches to business practices, access to economic opportunity, or improvements in operational effectiveness or efficiency.

Risks

It is important to understand that you can lose money by investing in the fund.

The value of investments in the fund's portfolio may fall or fail to rise over extended periods of time for a variety of reasons, including general economic, political or financial market conditions, investor sentiment and market perceptions, government actions, geopolitical events or changes, and factors related to a specific issuer, geography, industry or sector. These and other factors may lead to increased volatility and reduced liquidity in the fund's portfolio holdings.

The novel coronavirus (COVID-19) pandemic and efforts to contain its spread are likely to negatively affect the value, volatility, and liquidity of the securities and other assets in which the fund invests and exacerbate other risks that apply to the fund. These effects could negatively impact the fund's performance and lead to losses on your investment in the fund. Companies whose stocks we believe are undervalued by the market may have experienced adverse business developments or may be subject to special risks that have caused their stocks to be out of favor.

The value of a company's stock may fall or fail to rise as a result of factors directly relating to that company, such as decisions made by its management or lower demand for the company's products or services. A stock's value may also fall because of factors affecting not just the company, but also other companies in the same industry or in a number of different industries, such as increases in production costs.

Growth stocks may be more susceptible to earnings disappointments and the market may not favor growth-style investing. Stocks of small and midsize companies often trade in smaller volumes, and their prices may fluctuate more than stocks of larger companies. Stocks of these companies may therefore be more vulnerable to adverse developments than those of larger companies. From time to time, the fund may invest a significant portion of its assets in companies in one or more related industries or sectors, which would make the fund more vulnerable to adverse developments affecting those companies, industries or sectors.

The value of international investments traded in foreign currencies may be adversely impacted by fluctuations in exchange rates. International investments, particularly investments in emerging markets, may carry risks associated with potentially less stable economies or governments (such as the risk of seizure by a foreign government, the imposition of currency or other restrictions, or high levels of inflation), and may be or become illiquid.

Investing with a focus on Solutions Companies, whose products and services may provide solutions that directly impact sustainable environmental, social and economic development, may result in the fund investing in certain types of companies, industries or sectors that the market may not favor. In evaluating an investment opportunity, we may make investment decisions based on information and data that is incomplete or inaccurate. Sustainability and ESG factors are not uniformly defined and applying such factors involves subjective assessments. Sustainability and ESG scorings and assessments of issuers can vary across third-party data providers and may change over time. In addition, a company's business practices, products or services may change over time. As a result of these possibilities, among others, the fund may temporarily hold securities that are inconsistent with the fund's sustainable investment criteria. Regulatory changes or interpretations regarding the definitions and/or use of ESG or other sustainability criteria could have a material adverse effect on the fund's ability to invest in accordance with its investment policies and/or achieve its investment objective, as well as the ability of certain classes of investors to invest in funds, such as the fund, whose strategies include ESG or other sustainability criteria.

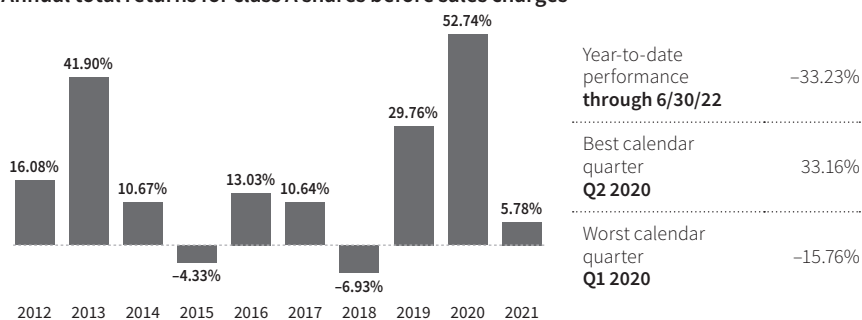
There is no guarantee that the investment techniques, analyses, or judgments that we apply in making investment decisions for the fund will produce the intended outcome or that the investments we select for the fund will perform as well as other securities that were not selected for the fund. We, or the fund's other service providers, may experience disruptions or operating errors that could negatively impact the fund.

The fund may not achieve its goal, and it is not intended to be a complete investment program. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.

Performance

The performance information below gives some indication of the risks associated with an investment in the fund by showing the fund's performance year to year and over time. Before March 21, 2018, the fund was managed with a materially different investment strategy and may have achieved materially different performance results under its current investment strategy from that shown for periods before this date. The bar chart does not reflect the impact of sales charges. If it did, performance would be lower. Please remember that past performance is not necessarily an indication of future results. Monthly performance figures for the fund are available at putnam.com.

Annual total returns for class A shares before sales charges



Average annual total returns after sales charges (for periods ended 12/31/21)

Share class	1 year	5 years	10 years
Class A before taxes	-0.30%	15.27%	14.90%
Class A after taxes on distributions	-4.06%	12.09%	12.75%
Class A after taxes on distributions and sale of fund shares	1.78%	11.38%	11.85%
Class B before taxes	0.54%	15.54%	15.15%
Class C before taxes	4.06%	15.77%	14.90%
Class R before taxes	5.48%	16.35%	15.29%
Class R6 before taxes*	6.11%	17.03%	15.92%
Class Y before taxes	6.05%	16.93%	15.87%
Russell Midcap Growth Index (no deduction for fees, expenses or taxes)	12.73%	19.83%	16.63%
Putnam Sustainable Future Linked Benchmark** (no deduction for fees, expenses or taxes)	12.73%	15.99%	15.40%

* Performance for class R6 shares prior to their inception (5/22/18) is derived from the historical performance of class Y shares and has not been adjusted for the lower investor servicing fees applicable to class R6 shares; had it, returns would have been higher.

** The Putnam Sustainable Future Linked Benchmark represents the performance of the Russell 3000® Value Index through March 20, 2018, and the performance of the Russell Midcap® Growth Index thereafter.

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After-tax returns reflect the historical highest individual federal marginal income tax rates and do not reflect state and local taxes. Actual after-tax returns depend on an investor's tax situation and may differ from those shown. After-tax returns are shown for class A shares only and will vary for other classes. These after-tax returns do not apply if you hold your fund shares through a 401(k) plan, an IRA, or another tax-advantaged arrangement.

Class B and C share performance reflects conversion to class A shares after five years and eight years, respectively.

Your fund's management

Investment advisor

Putnam Investment Management, LLC

Portfolio managers

Katherine Collins

Head of Sustainable Investing, portfolio manager of the fund since 2018

Stephanie Dobson

Portfolio Manager, portfolio manager of the fund since 2018

Sub-advisor

Putnam Investments Limited*

* Though the investment advisor has retained the services of Putnam Investments Limited (PIL), PIL does not currently manage any assets of the fund.

Purchase and sale of fund shares

You can open an account, purchase and/or sell fund shares, or exchange them for shares of another Putnam fund by contacting your financial professional or by calling Putnam Investor Services at 1-800-225-1581. Purchases of class B shares are closed to new and existing investors except by exchange from class B shares of another Putnam fund or through dividend and/or capital gains reinvestment.

When opening an account, you must complete and mail a Putnam account application, along with a check made payable to the fund, to: Putnam Investments, P.O. Box 219697, Kansas City, MO 64121-9697. The minimum initial investment of \$500 is currently waived, although Putnam reserves the right to reject initial investments under \$500 at its discretion. There is no minimum for subsequent investments.

You can sell your shares back to the fund or exchange them for shares of another Putnam fund any day the New York Stock Exchange (NYSE) is open. Shares may be sold or exchanged by mail, by phone, or, for exchanges only, online at putnam.com. Some restrictions may apply.

Tax information

The fund's distributions will be taxed as ordinary income or capital gains unless you hold the shares through a tax-advantaged arrangement, in which case you will generally be taxed only upon withdrawal of monies from the arrangement.

Financial intermediary compensation

If you purchase the fund through a broker/dealer or other financial intermediary (such as a bank or financial professional), the fund and its related companies may pay that intermediary for the sale of fund shares and related services. Please bear in mind that these payments may create a conflict of interest by influencing the broker/dealer or other intermediary to recommend the fund over another investment. Ask your advisor or visit your advisor's website for more information.

Information about the Summary Prospectus, Prospectus, and SAI

The summary prospectus, prospectus, and SAI for a fund provide information concerning the fund. The summary prospectus, prospectus, and SAI are updated at least annually and any information provided in a summary prospectus, prospectus, or SAI can be changed without a shareholder vote unless specifically stated otherwise. The summary prospectus, prospectus, and the SAI are not contracts between the fund and its shareholders and do not give rise to any contractual rights or obligations or any shareholder rights other than any rights conferred explicitly by federal or state securities laws that may not be waived.

Additional information, including current performance, is available at putnam.com/funddocuments, by calling 1-800-225-1581, or by e-mailing Putnam at funddocuments@putnam.com.

