

Putnam California Tax Exempt Income Fund

Summary prospectus

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FUND SYMBOLS	CLASS A	CLASS B	CLASS C	CLASS R6	CLASS Y
	PCTEX	PCTBX	PCTCX	PCLGX	PCIYX

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

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. Therefore, the Board of Trustees of the Putnam Funds will be asked to approve a new investment management contract between each Putnam Fund and Putnam Management (and new sub-management and sub-advisory contracts, if applicable). If approved by the Board of Trustees, the new investment management contract will be presented to the shareholders of each Putnam Fund for their approval.

Shareholders should retain this Supplement for future reference.

Putnam California Tax Exempt Income 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 1/30/23, are incorporated by reference into this summary prospectus.

Goal

Putnam California Tax Exempt Income Fund seeks as high a level of current income, exempt from federal income tax and California personal income tax as we believe to be consistent with preservation of capital.

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 class A shares of 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	4.00%	1.00%*
Class B	NONE	5.00%**
Class C	NONE	1.00%***
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	0.43%	0.25%	0.12%	0.80%
Class B	0.43%	0.85%	0.12%	1.40%
Class C	0.43%	1.00%	0.12%	1.55%
Class R6	0.43%	N/A	0.12%	0.55%
Class Y	0.43%	N/A	0.12%	0.55%

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

** This charge is phased out over six 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	\$478	\$645	\$826	\$1,350
Class B	\$643	\$743	\$966	\$1,516
Class B (no redemption)	\$143	\$443	\$766	\$1,516
Class C	\$258	\$490	\$845	\$1,643
Class C (no redemption)	\$158	\$490	\$845	\$1,643
Class R6	\$56	\$176	\$307	\$689
Class Y	\$56	\$176	\$307	\$689

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 27%.

Investments, risks, and performance

Investments

We invest mainly in bonds that pay interest that is exempt from federal income tax and California personal income tax (but that may be subject to federal and/or California alternative minimum tax (AMT)), are investment-grade in quality, and have intermediate- to long-term maturities (i.e., three years or longer). Under normal

circumstances, we invest so that at least 90% of the fund's income distributions are exempt from federal income tax and California personal income tax, except during times of adverse market conditions, when more than 10% of the fund's income distributions could be subject to these taxes. Such tax-exempt investments in which the fund invests are issued by or for states, territories or possessions of the United States or by their political subdivisions, agencies, authorities or other government entities, and the income from these investments is exempt from both federal and California personal income tax. This investment policy cannot be changed without the approval of the fund's shareholders. We may consider, among other factors, credit, interest rate and prepayment risks, as well as general market conditions, when deciding whether to buy or sell investments.

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, outbreaks or infectious illnesses or other widespread public health issues, 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, may negatively impact the fund's performance, and may exacerbate other risks to which the fund is subject.

The risks associated with bond investments include interest rate risk, which is the risk that the value of the fund's investments is likely to fall if interest rates rise. Bond investments also are subject to credit risk, which is the risk that the issuers of the fund's investments may default on payment of interest or principal. Bond investments also are subject to credit risk, which is the risk that the issuers of the fund's investments may default on payment of interest or principal. Bond investments may be more susceptible to downgrades or defaults during economic downturns or other periods of economic stress. Interest rate risk is generally greater for longer-term bonds, and credit risk is generally greater for below-investment-grade bonds, which can be more sensitive to changes in markets, credit conditions, and interest rates and may be considered speculative. Since the fund invests in tax-exempt bonds, which, to be treated as tax-exempt under the Internal Revenue Code, may be issued only by limited types of issuers for limited types of projects, the fund's investments may be focused in certain market segments. Consequently, the fund may be more vulnerable to fluctuations in the values of the securities it holds than a fund that invests more broadly. The fund's performance will be closely tied to the economic and political conditions in California, and can be more volatile than the performance of a more geographically diversified fund. To the extent the fund invests in securities of issuers located outside of California, the fund may also be exposed to the risks affecting other states. Certain provisions of the California Constitution and state statutes limit the taxing and spending authority of California's government

entities, which could impair the ability of California issuers to pay principal and/or interest on their obligations. Interest the fund receives might be taxable.

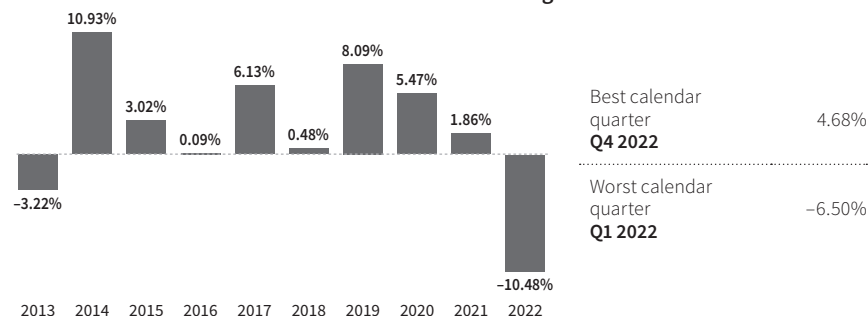
There is no guarantee that the investment techniques, analyses, or judgments that we apply in making investment decisions for the fund will produce the intended outcome or that the investments we select for the fund will perform as well as other securities that were not selected for the fund. We, or 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. 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 12/31/22)

Share class	1 year	5 years	10 years
Class A before taxes	-14.06%	0.05%	1.65%
Class A after taxes on distributions	-14.07%	-0.28%	1.47%
Class A after taxes on distributions and sale of fund shares	-7.42%	0.60%	1.94%
Class B before taxes	-15.29%	-0.09%	1.55%
Class C before taxes	-11.95%	0.10%	1.44%
Class R6 before taxes*	-10.10%	1.10%	2.30%
Class Y before taxes	-10.10%	1.11%	2.31%
Bloomberg Municipal Bond Index (no deduction for fees, expenses or taxes)	-8.53%	1.25%	2.13%

* Performance for class R6 shares prior to their inception (5/22/18) is derived from the historical performance of class Y shares.

All Bloomberg indices provided by Bloomberg Index Services Limited.

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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 eight years.

Your fund’s management

Investment advisor

Putnam Investment Management, LLC

Portfolio managers

Paul Drury

Portfolio Manager, portfolio manager of the fund since 2002

Garrett Hamilton

Portfolio Manager, portfolio manager of the fund since 2016

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 intends to distribute income that is exempt from federal income tax and personal income tax of the state identified in the fund's name, but distributions will be subject to federal income tax to the extent attributable to other income, including income earned by the fund on investments in taxable securities or capital gains realized on the disposition of its investments.

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.

